

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\  
 Data File : VN056312.D  
 Acq On : 14 Jun 2019 15:16  
 Operator : JC/SP  
 Sample : VN0614WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 6/17/2019 9:45:38 AM

Quant Time: Jun 17 09:10:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 7.66  | 168  | 300027   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.58  | 114  | 468553   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.41 | 117  | 420388   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.34 | 152  | 162969   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.03  | 65   | 177310   | 59.52   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 119.04% |          |
| 35) Dibromofluoromethane      | 7.59  | 113  | 158108   | 55.00   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 110.00% |          |
| 50) Toluene-d8                | 10.09 | 98   | 573819   | 51.87   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 103.74% |          |
| 62) 4-Bromofluorobenzene      | 12.40 | 95   | 188741   | 50.17   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 100.34% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.85  | 85   | 65302    | 20.026  | ug/l    | 98       |
| 3) Chloromethane              | 2.06  | 50   | 72209    | 22.202  | ug/l    | 97       |
| 4) Vinyl Chloride             | 2.18  | 62   | 71428    | 21.895  | ug/l    | 100      |
| 5) Bromomethane               | 2.52  | 94   | 38336m   | 18.602  | ug/l    |          |
| 6) Chloroethane               | 2.68  | 64   | 41905m   | 22.154  | ug/l    |          |
| 7) Trichlorofluoromethane     | 3.00  | 101  | 92570    | 22.227  | ug/l    | 100      |
| 8) Diethyl Ether              | 3.40  | 74   | 38239    | 22.327  | ug/l    | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74  | 101  | 57713    | 22.812  | ug/l    | 98       |
| 10) Methyl Iodide             | 3.94  | 142  | 59419    | 14.779  | ug/l    | 100      |
| 11) Tert butyl alcohol        | 4.82  | 59   | 55426    | 106.915 | ug/l    | 98       |
| 12) 1,1-Dichloroethene        | 3.72  | 96   | 56035    | 22.248  | ug/l    | 99       |
| 13) Acrolein                  | 3.60  | 56   | 10842    | 72.515  | ug/l    | 98       |
| 14) Allyl chloride            | 4.31  | 41   | 92721    | 23.314  | ug/l    | 97       |
| 15) Acrylonitrile             | 4.99  | 53   | 171554   | 135.942 | ug/l    | 100      |
| 16) Acetone                   | 3.82  | 43   | 160681   | 112.777 | ug/l    | 97       |
| 17) Carbon Disulfide          | 4.03  | 76   | 117390   | 19.466  | ug/l    | 98       |
| 18) Methyl Acetate            | 4.33  | 43   | 86637    | 30.734  | ug/l    | 99       |
| 19) Methyl tert-butyl Ether   | 5.05  | 73   | 185456   | 23.100  | ug/l    | 96       |
| 20) Methylene Chloride        | 4.54  | 84   | 69566    | 23.699  | ug/l    | 98       |
| 21) trans-1,2-Dichloroethene  | 5.03  | 96   | 57809    | 21.421  | ug/l    | 95       |
| 22) Diisopropyl ether         | 5.96  | 45   | 198225   | 24.111  | ug/l    | 95       |
| 23) Vinyl Acetate             | 5.90  | 43   | 781258   | 120.671 | ug/l    | 98       |
| 24) 1,1-Dichloroethane        | 5.84  | 63   | 115788   | 24.416  | ug/l    | 99       |
| 25) 2-Butanone                | 6.84  | 43   | 233398   | 129.655 | ug/l    | 97       |
| 26) 2,2-Dichloropropane       | 6.82  | 77   | 73011    | 19.730  | ug/l    | 100      |
| 27) cis-1,2-Dichloroethene    | 6.82  | 96   | 70921    | 22.357  | ug/l    | 99       |
| 28) Bromochloromethane        | 7.19  | 49   | 59218    | 26.405  | ug/l    | 92       |
| 29) Tetrahydrofuran           | 7.22  | 42   | 149399   | 134.262 | ug/l    | 98       |
| 30) Chloroform                | 7.37  | 83   | 115108   | 24.128  | ug/l    | 99       |
| 31) Cyclohexane               | 7.65  | 56   | 97372    | 20.599  | ug/l    | 97       |
| 32) 1,1,1-Trichloroethane     | 7.57  | 97   | 91852    | 23.056  | ug/l    | 98       |
| 36) 1,1-Dichloropropene       | 7.79  | 75   | 79686    | 19.779  | ug/l    | 99       |
| 37) Ethyl Acetate             | 6.94  | 43   | 85295    | 23.794  | ug/l    | 99       |
| 38) Carbon Tetrachloride      | 7.77  | 117  | 78127    | 21.033  | ug/l    | 99       |

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 Operator : JC/SP  
 Sample : VN0614WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0614WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 6/17/2019 9:45:38 AM

Quant Time: Jun 17 09:10:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 93269    | 18.584  | ug/l   | 97       |
| 40) Benzene                    | 8.04  | 78   | 258495   | 21.125  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 40147    | 24.341  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 88975    | 22.605  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 129562   | 22.304  | ug/l   | 92       |
| 44) Trichloroethene            | 8.83  | 130  | 68379    | 19.447  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 70060    | 22.352  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 46301    | 22.590  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 87853    | 23.650  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.20  | 41   | 65326    | 22.987  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.21  | 88   | 28477    | 464.146 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 439855   | 121.084 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 160513   | 21.080  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 80181    | 19.925  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 96239    | 21.553  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 66705    | 22.116  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 97579    | 22.176  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 111274   | 22.694  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 150115   | 95.798  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 311047   | 118.141 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 67328    | 21.699  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 69471    | 22.530  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 66456    | 18.263  | ug/l   | 100      |
| 65) Chlorobenzene              | 11.43 | 112  | 174777   | 20.890  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 63580    | 22.009  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 295578   | 20.317  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 221524   | 39.860  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 110653   | 20.241  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 180124   | 20.738  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 48391    | 21.600  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 292029   | 23.875  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 104990   | 24.168  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 96608    | 25.536  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 83053m   | 27.696  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 77368    | 22.174  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 302360   | 21.931  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 188721   | 23.445  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 237014   | 21.631  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 19820    | 22.011  | ug/l # | 80       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 174693   | 21.658  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 211999   | 23.489  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 222114   | 21.376  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 266815   | 21.853  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 228624   | 20.922  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 112606   | 20.852  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 104799   | 20.174  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.61 | 91   | 153146   | 18.919  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 41208    | 25.006  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 114688   | 21.036  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 14286    | 26.401  | ug/l   | 94       |

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Operator : JC/SP  
Sample : VN0614WBS02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

Manual Integrations  
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6/17/2019 9:45:38 AM

Quant Time: Jun 17 09:10:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 38646    | 16.034 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 40673    | 20.522 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 109241   | 16.786 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 47473    | 17.596 | ug/l  | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

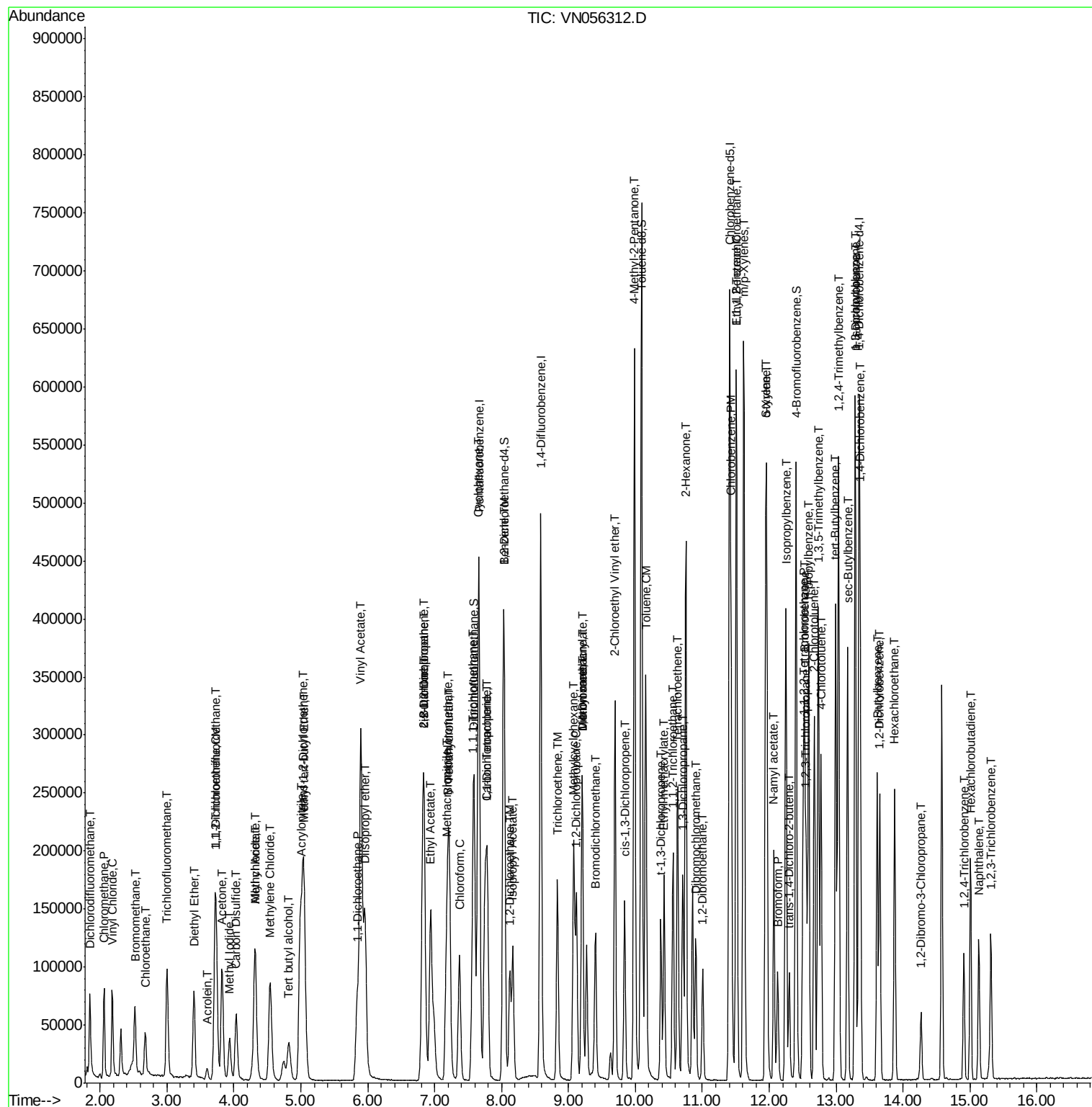
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 Data File : VN056312.D  
 Acq On : 14 Jun 2019 15:16  
 Operator : JC/SP  
 Sample : VN0614WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

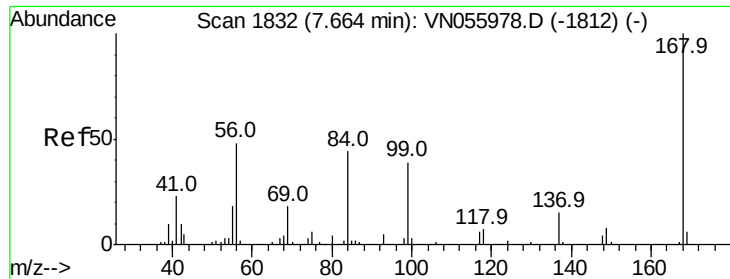
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

Manual Integrations  
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MMDadoda  
 6/17/2019 9:45:38 AM

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion:168 Resp: 300027

Ion Ratio Lower Upper

168 100

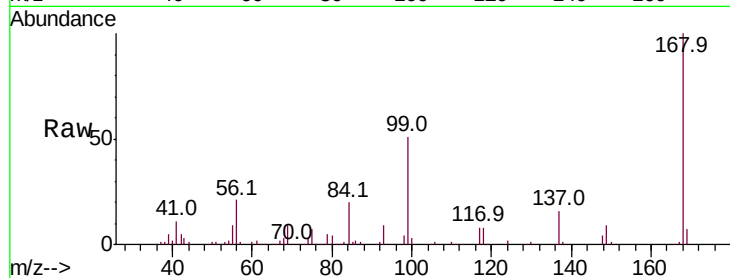
99 49.8 37.2 55.8

Manual Integrations

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6/17/2019 9:45:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

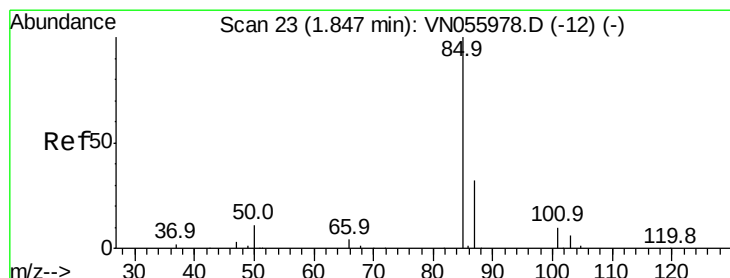
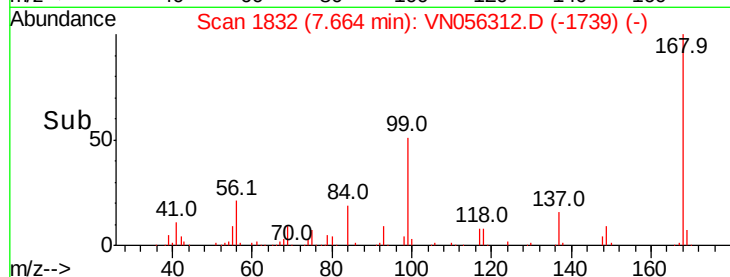
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.026 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056312.D

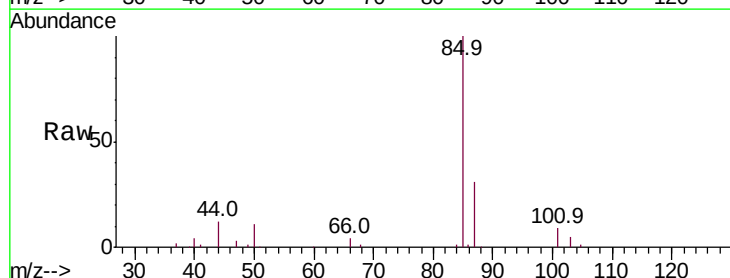
Acq: 14 Jun 2019 15:16

Tgt Ion: 85 Resp: 65302

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

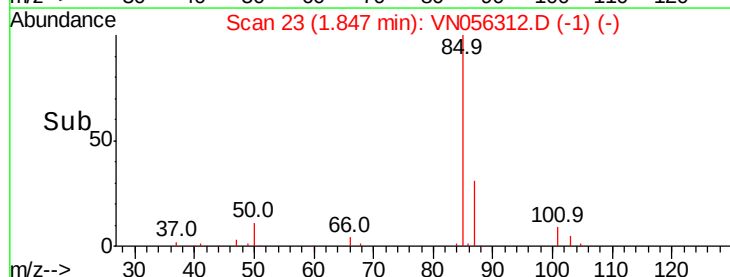
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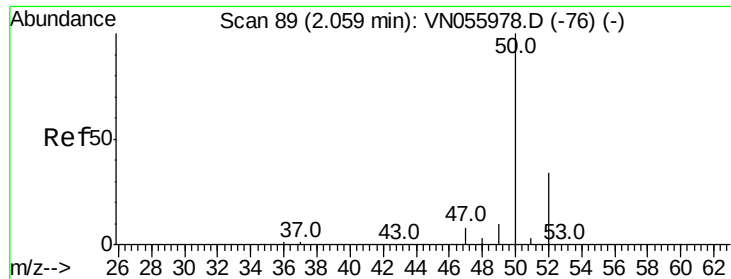
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10000

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Time-->





#3

Chloromethane

Concen: 22.202 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampled :

VN0614WBS02

Tot Ion: 50 Resp: 72209

Ion Ratio Lower Upper

50 100

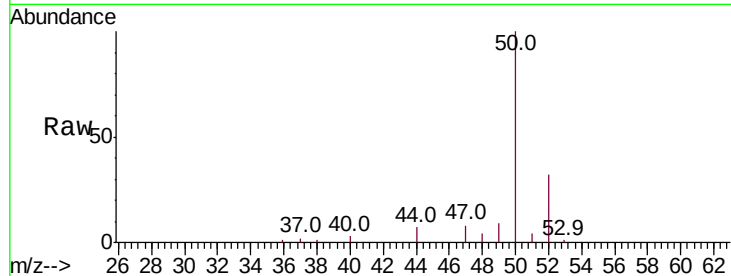
52 31.8 26.6 40.0

Manual Integrations

APPROVED

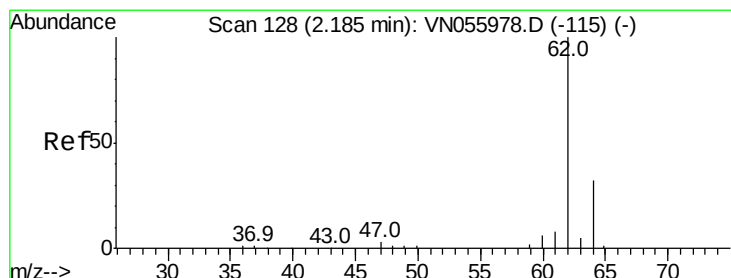
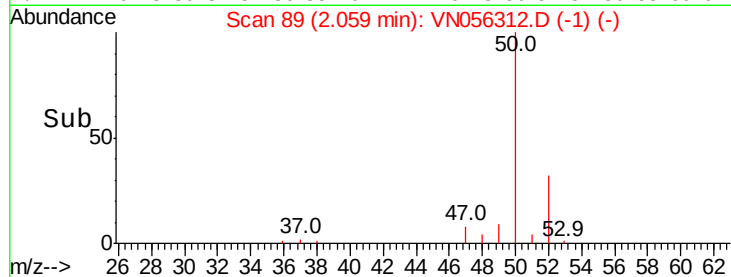
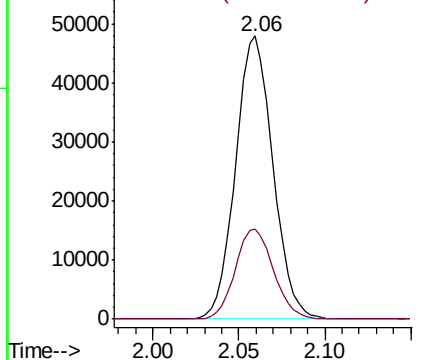
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.895 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056312.D

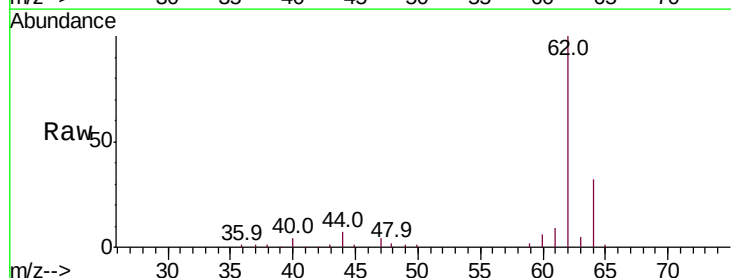
Acq: 14 Jun 2019 15:16

Tgt Ion: 62 Resp: 71428

Ion Ratio Lower Upper

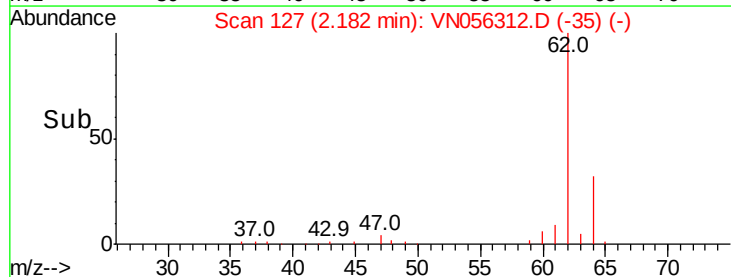
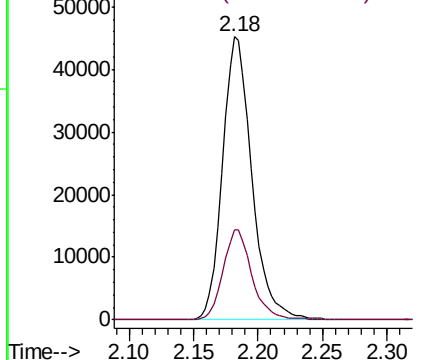
62 100

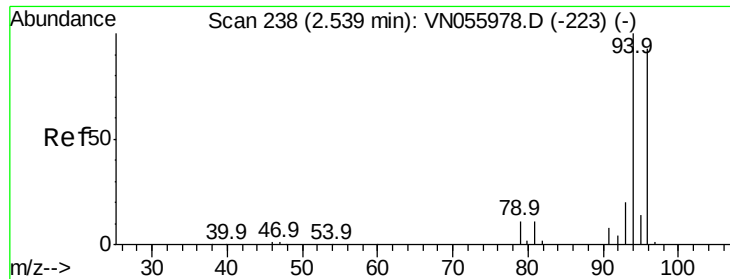
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.602 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 94 Resp: 38336

Ion Ratio Lower Upper

94 100

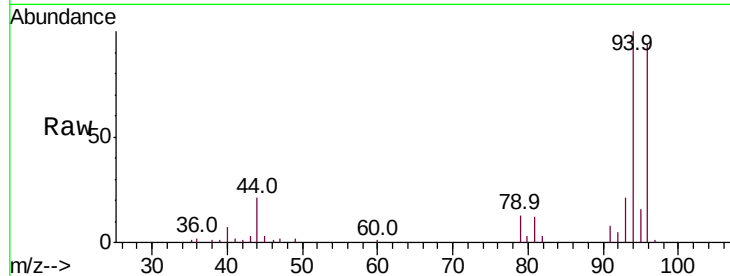
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Manual Integrations

APPROVED

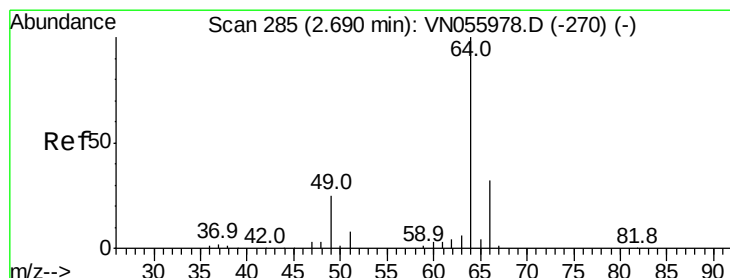
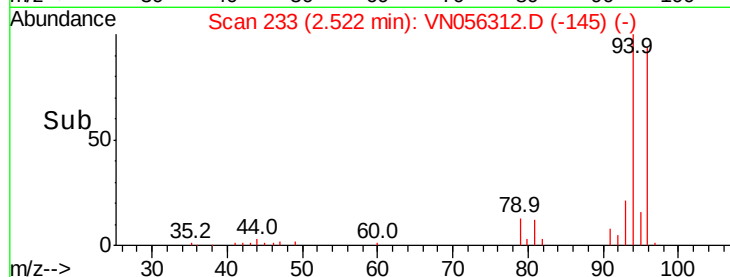
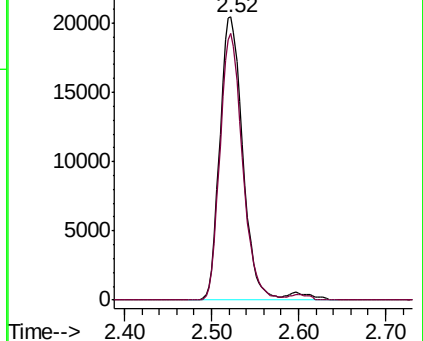
MMDadoda

6/17/2019 9:45:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.154 ug/l m

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN056312.D

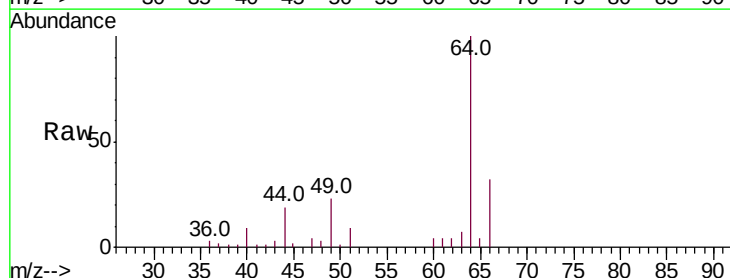
Acq: 14 Jun 2019 15:16

Tgt Ion: 64 Resp: 41905

Ion Ratio Lower Upper

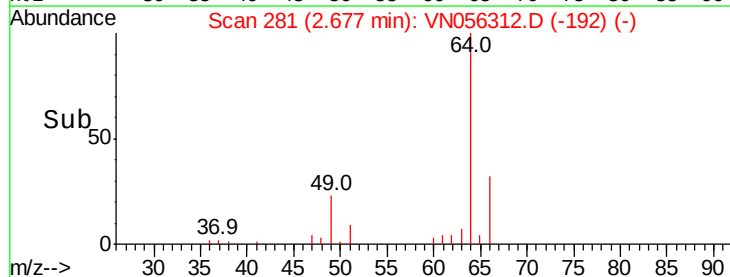
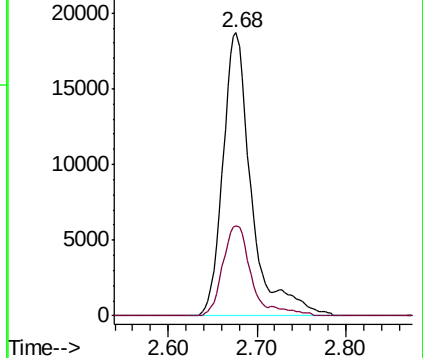
64 100

66 32.0 25.4 38.0

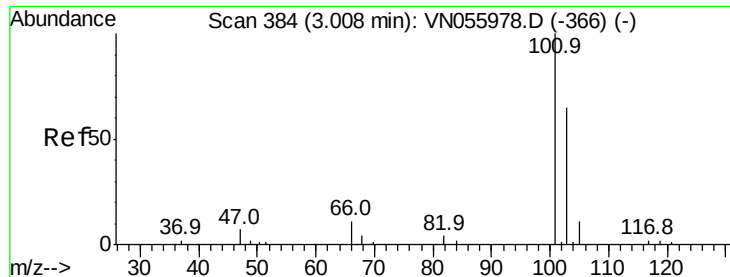


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0







#7

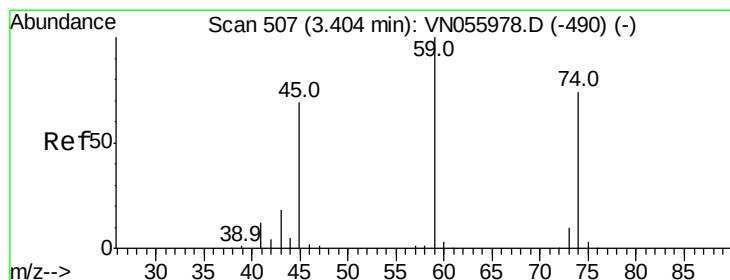
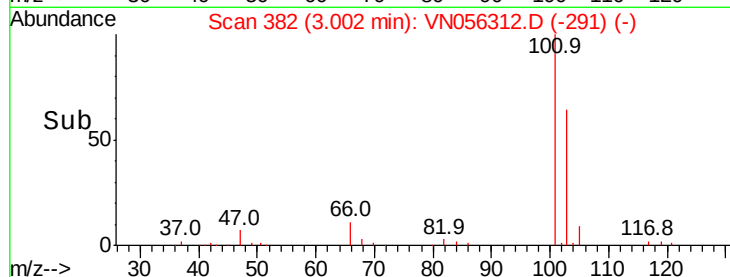
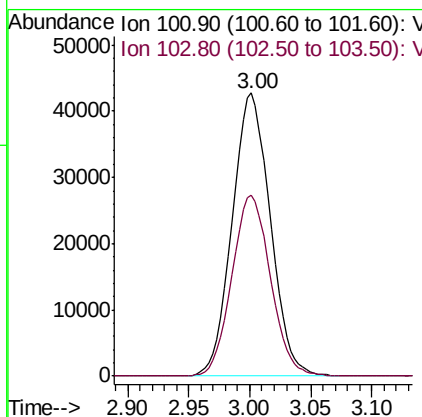
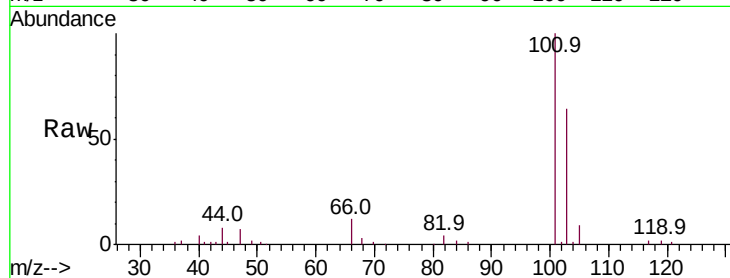
Trichlorofluoromethane  
 Concen: 22.227 ug/l  
 RT: 3.00 min Scan# 382  
 Delta R.T. -0.01 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.9  | 51.2  | 76.8  |

Manual Integrations  
 APPROVED

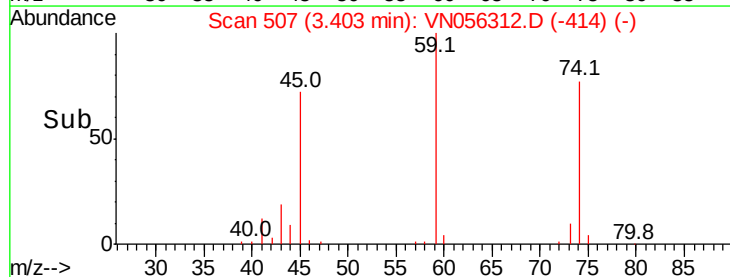
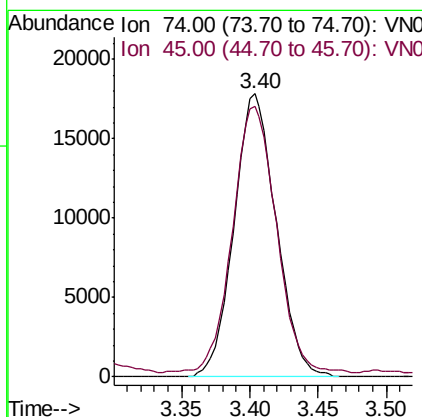
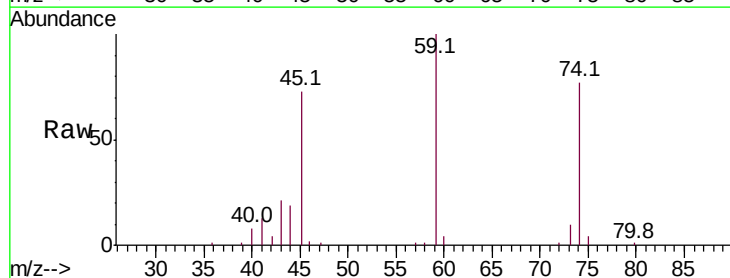
MMDadoda  
 6/17/2019 9:45:38 AM



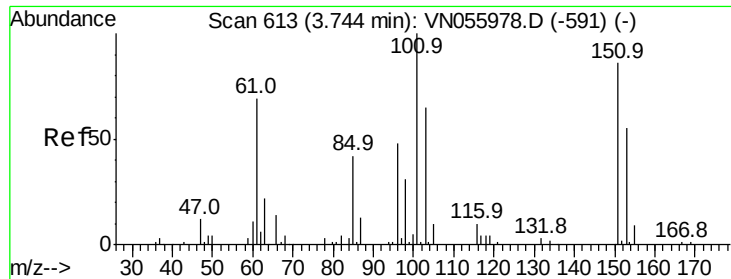
#8

Diethyl Ether  
 Concen: 22.327 ug/l  
 RT: 3.40 min Scan# 507  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.1  | 48.6  | 145.9 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.812 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

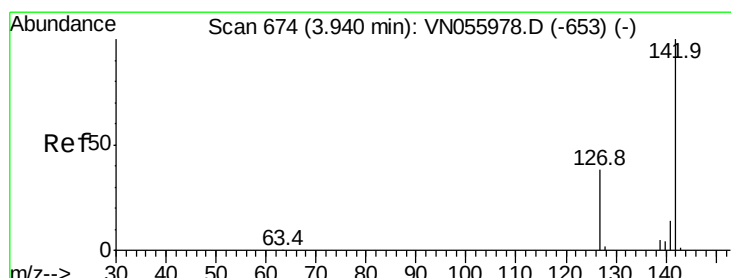
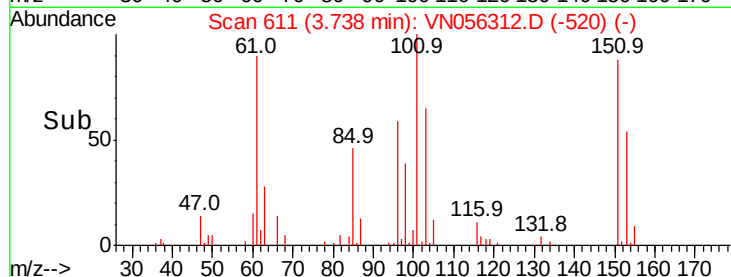
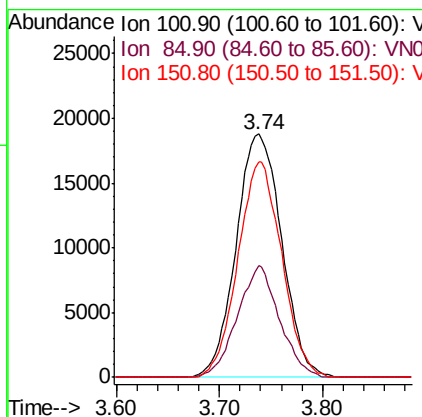
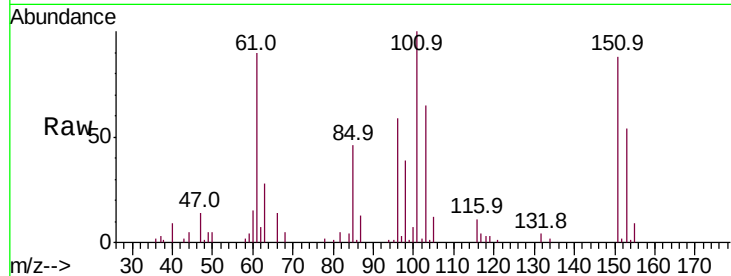
ClientSampleId :

VN0614WBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 57713 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.2  | 33.4  | 50.2  |
| 151       | 84.9  | 69.4  | 104.2 |

Manual Integrations  
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MMDadoda  
6/17/2019 9:45:38 AM



#10

Methyl Iodide

Concen: 14.779 ug/l

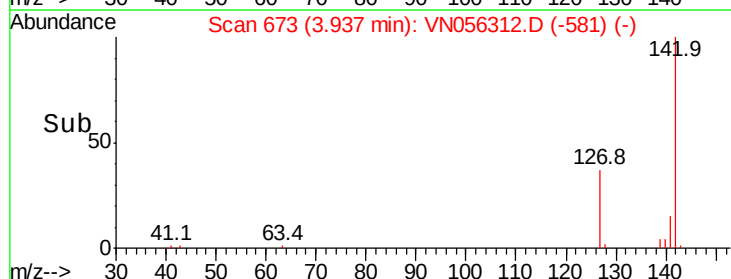
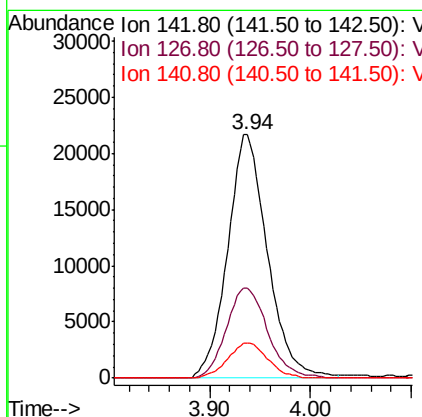
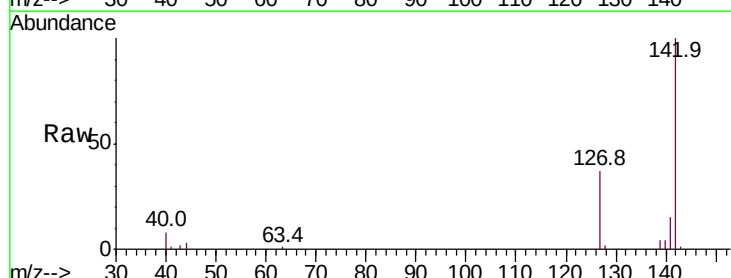
RT: 3.94 min Scan# 673

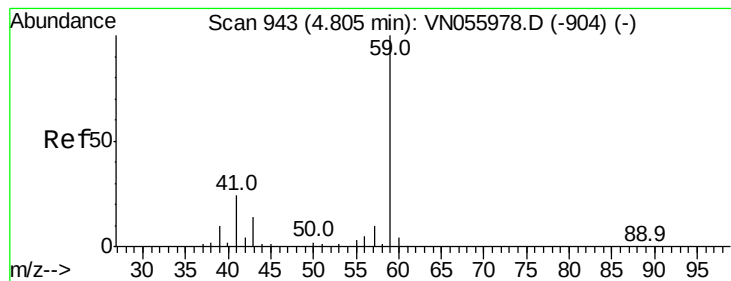
Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 59419 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 38.5  | 31.0  | 46.4  |
| 141       | 14.5  | 11.4  | 17.0  |





#11

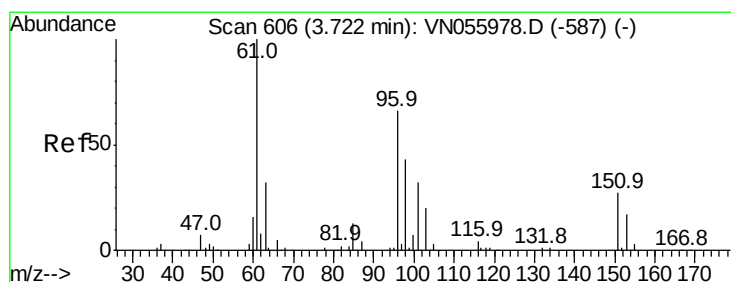
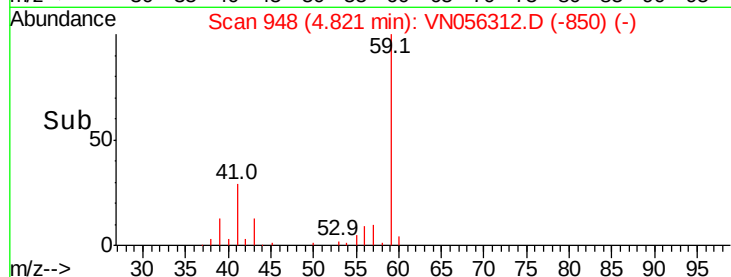
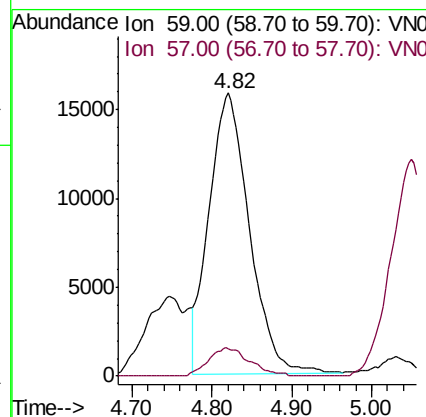
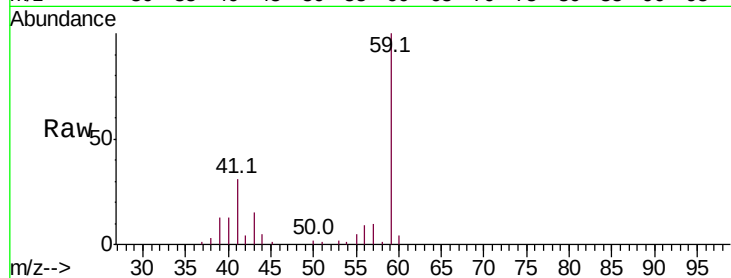
Tert butyl alcohol  
 Concen: 106.915 ug/l  
 RT: 4.82 min Scan# 948  
 Delta R.T. 0.02 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 7.8   | 11.6  |

Manual Integrations  
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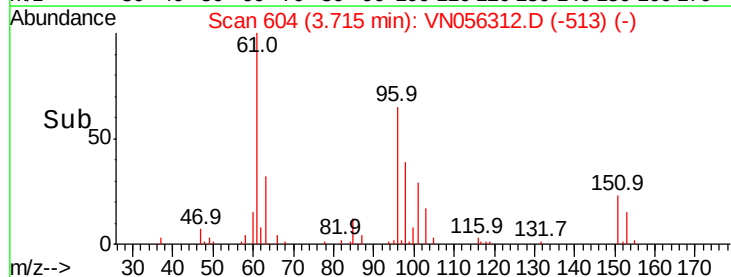
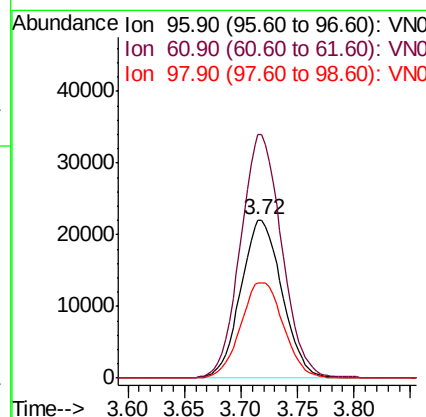
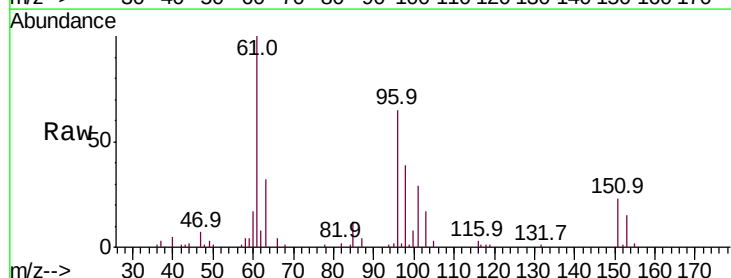
MMDadoda  
 6/17/2019 9:45:38 AM

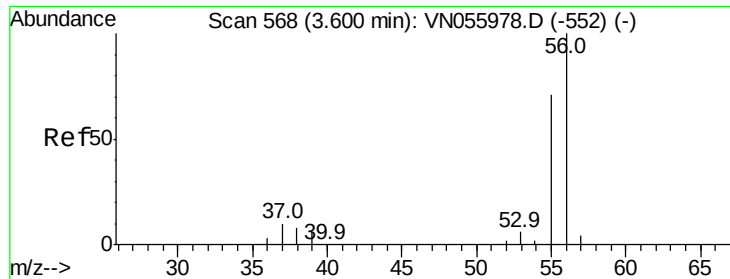


#12

1,1-Dichloroethene  
 Concen: 22.248 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. -0.01 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 153.7 | 123.2 | 184.8 |
| 98      | 60.0  | 50.4  | 75.6  |





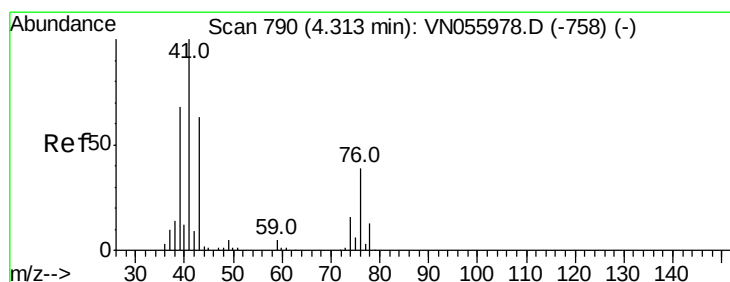
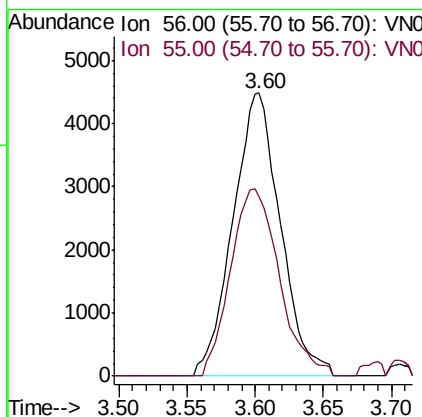
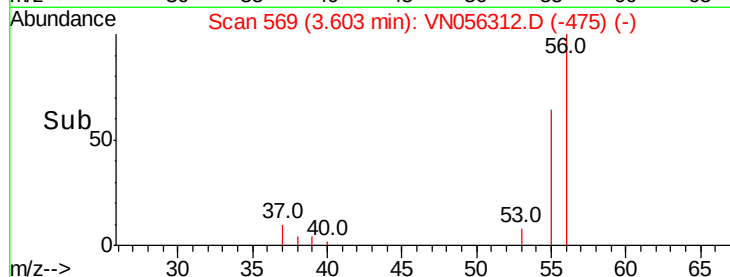
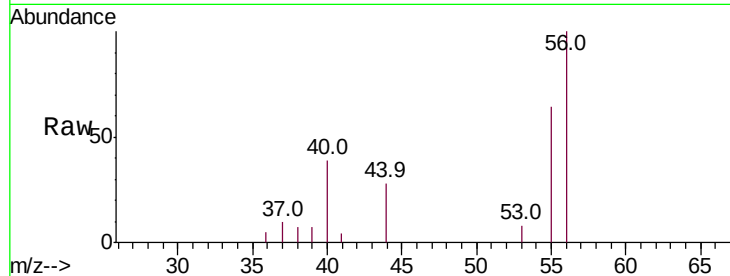
#13  
Acrolein  
Concen: 72.515 ug/l  
RT: 3.60 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

Tot Ion: 56 Resp: 10842  
Ion Ratio Lower Upper  
56 100  
55 68.0 55.4 83.2

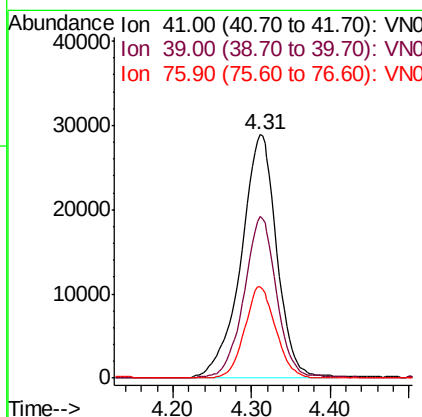
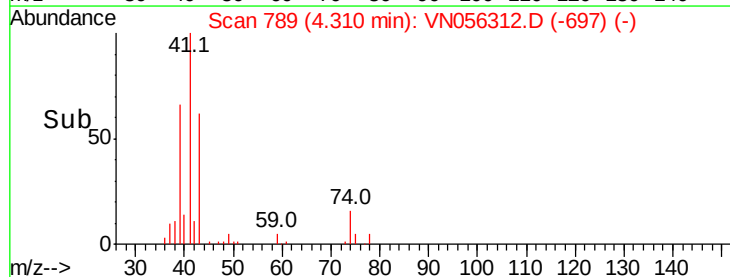
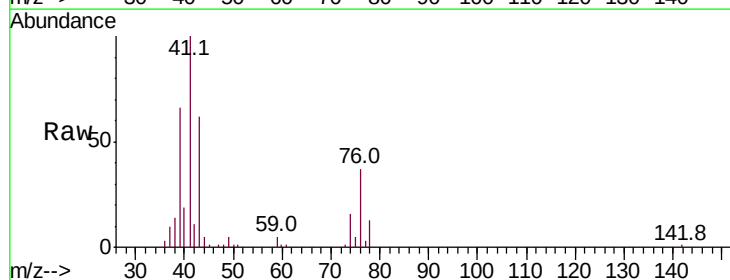
Manual Integrations  
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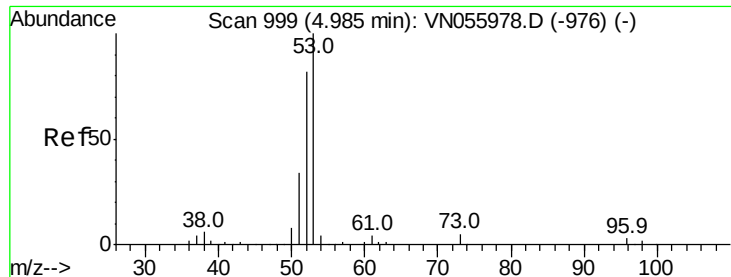
MMDadoda  
6/17/2019 9:45:38 AM



#14  
Allyl chloride  
Concen: 23.314 ug/l  
RT: 4.31 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Tgt Ion: 41 Resp: 92721  
Ion Ratio Lower Upper  
41 100  
39 60.7 50.0 75.0  
76 32.6 28.2 42.2





#15

Acrylonitrile

Concen: 135.942 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

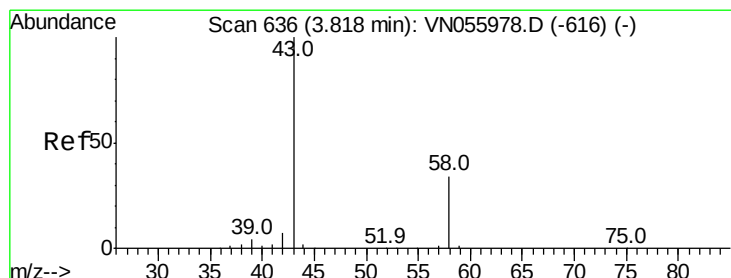
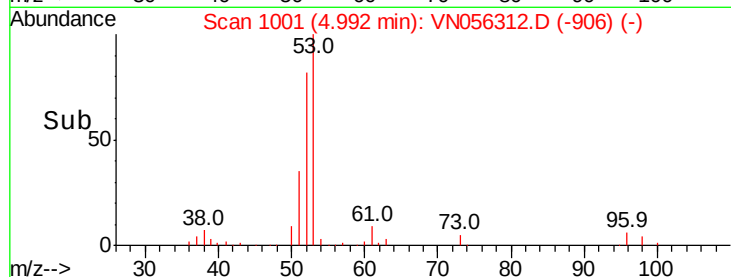
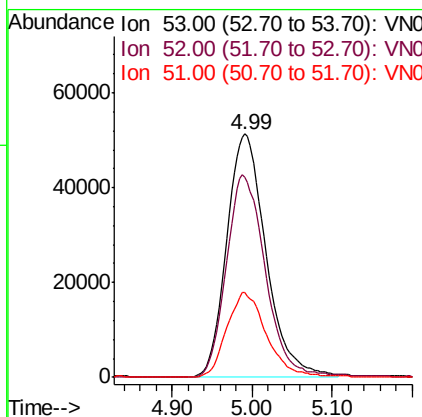
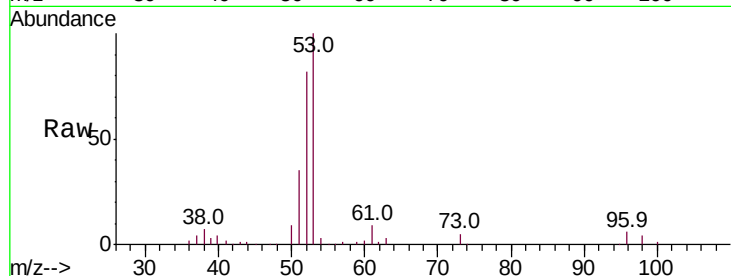
ClientSampleId :

VN0614WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 171554 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.5  | 65.8  | 98.8   |
| 51       | 35.2  | 28.2  | 42.4   |

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MMDadoda  
6/17/2019 9:45:38 AM



#16

Acetone

Concen: 112.777 ug/l

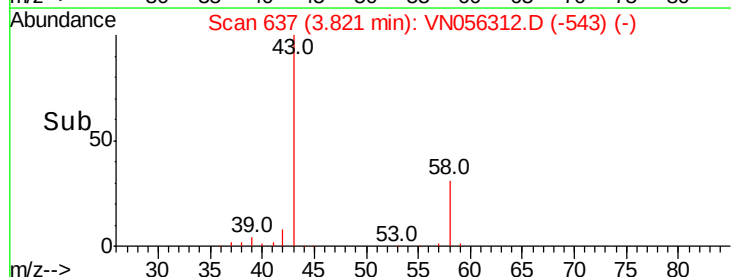
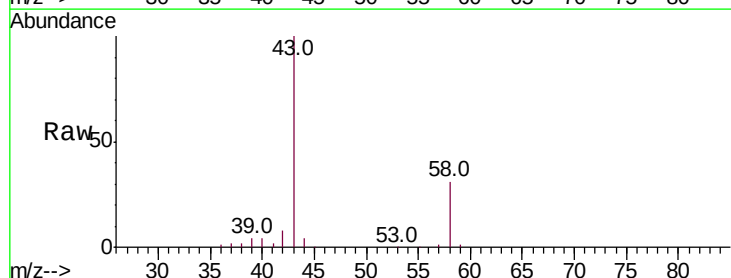
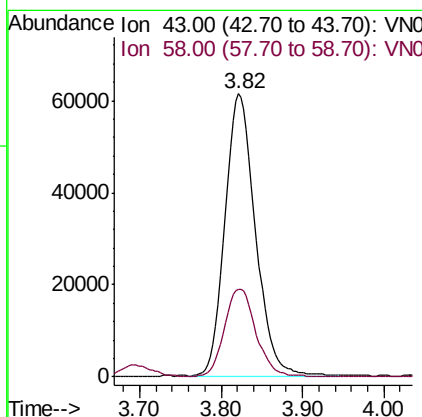
RT: 3.82 min Scan# 637

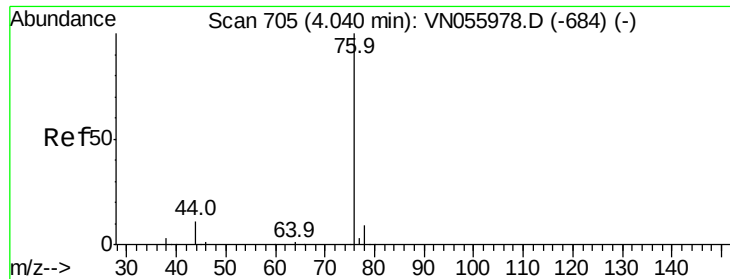
Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 160681 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.3  | 26.6  | 39.8   |





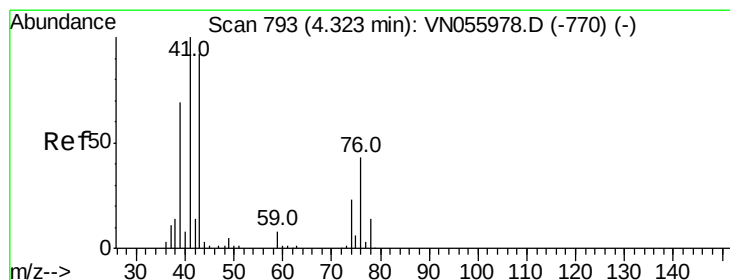
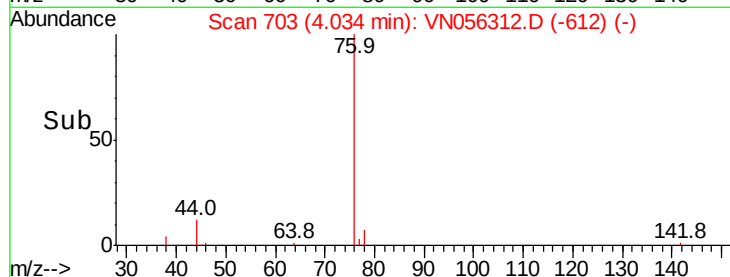
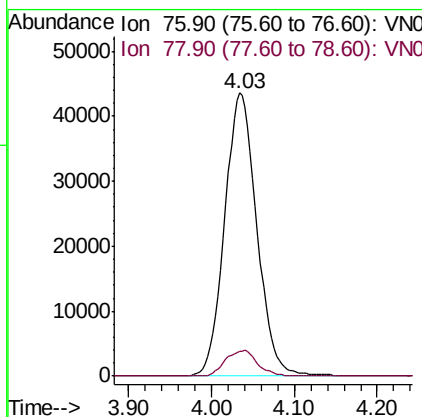
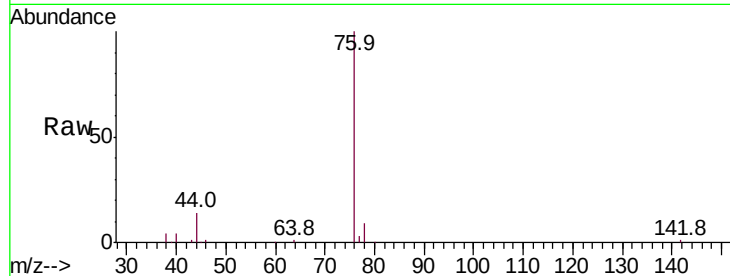
#17  
Carbon Disulfide  
Concen: 19.466 ug/l  
RT: 4.03 min Scan# 703  
Delta R.T. -0.01 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.6   | 7.4   | 11.2  |

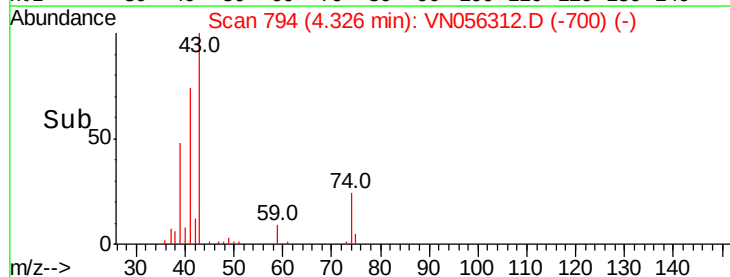
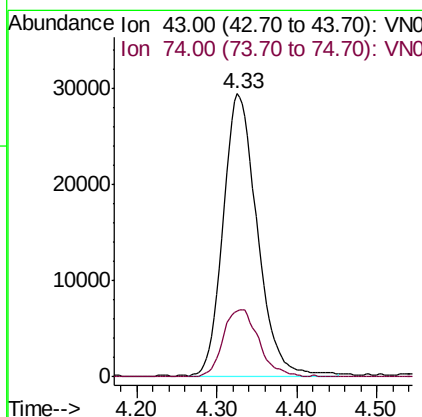
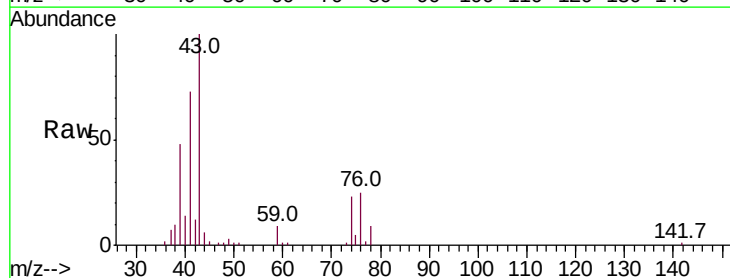
Manual Integrations  
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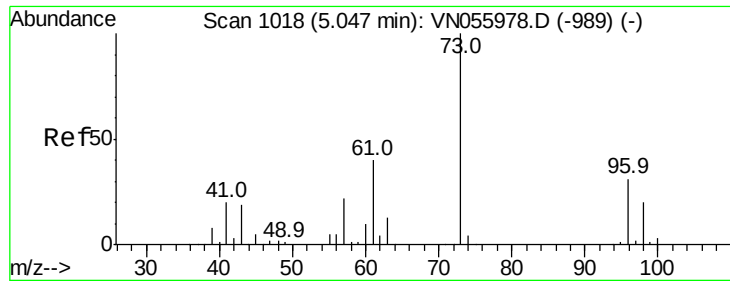
MMDadoda  
6/17/2019 9:45:38 AM



#18  
Methyl Acetate  
Concen: 30.734 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.6  | 19.3  | 28.9  |





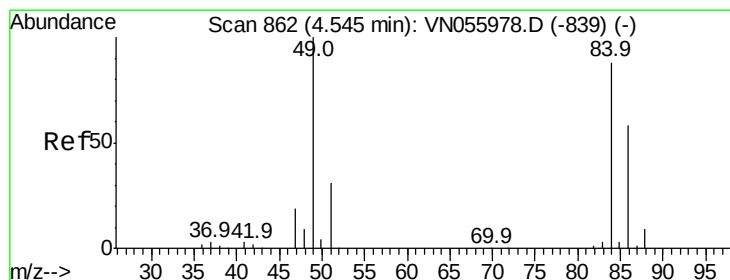
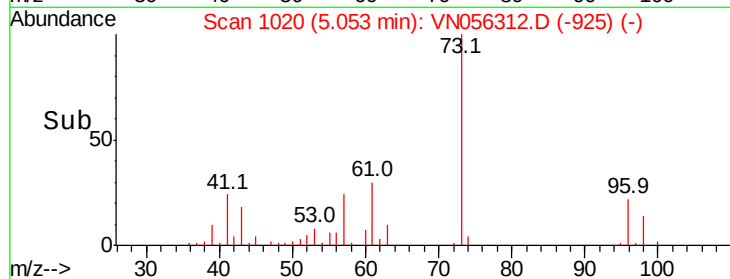
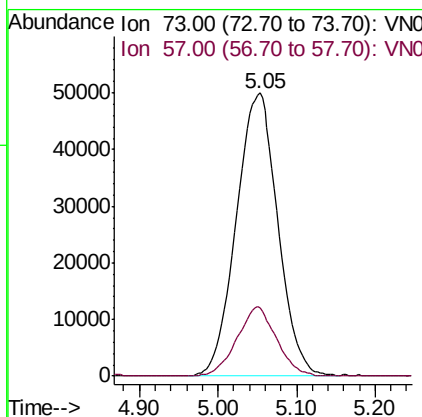
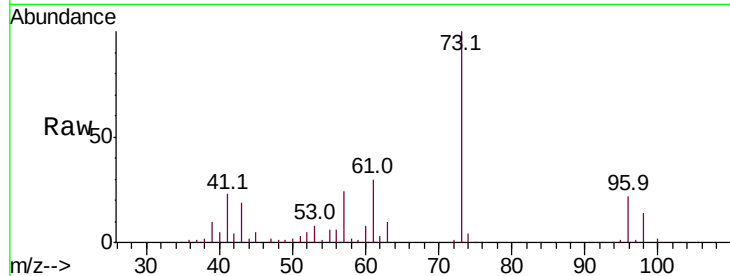
#19  
Methyl tert-butyl Ether  
Concen: 23.100 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

Tot Ion: 73 Resp: 185456  
Ion Ratio Lower Upper  
73 100  
57 24.0 17.8 26.8

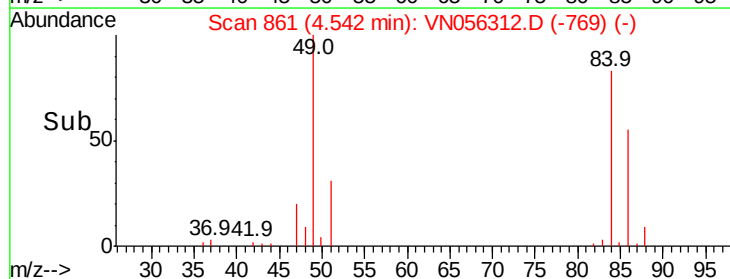
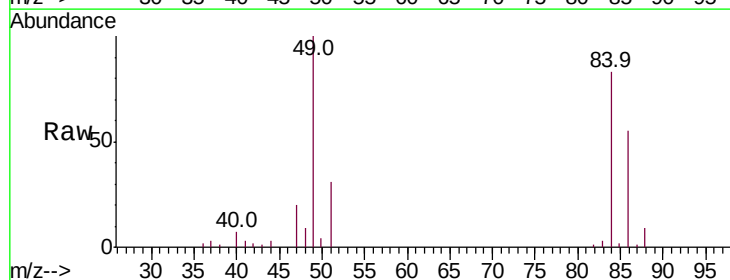
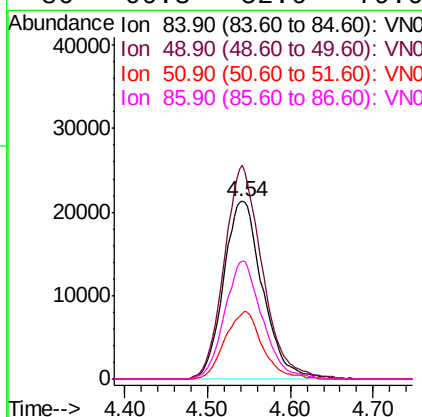
Manual Integrations  
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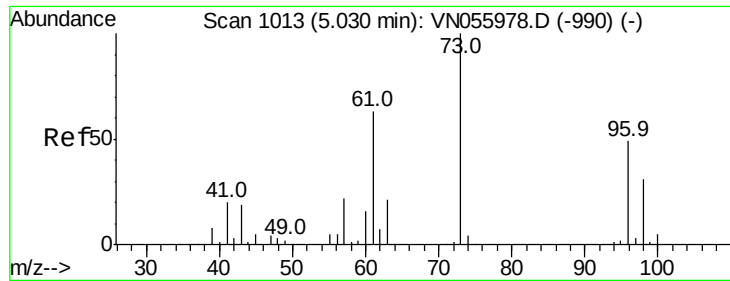
MMDadoda  
6/17/2019 9:45:38 AM



#20  
Methylene Chloride  
Concen: 23.699 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Tgt Ion: 84 Resp: 69566  
Ion Ratio Lower Upper  
84 100  
49 120.4 93.5 140.3  
51 36.9 28.6 43.0  
86 66.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.421 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 96 Resp: 57809

Ion Ratio Lower Upper

96 100

61 142.5 107.8 161.8

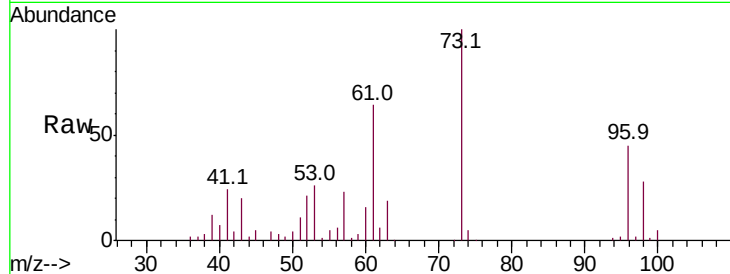
98 63.7 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

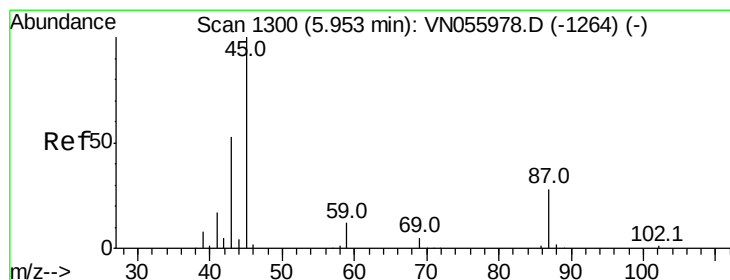
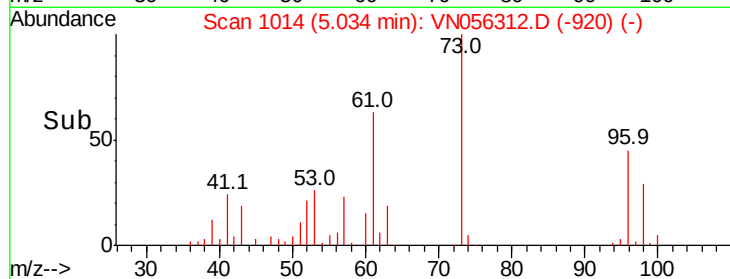
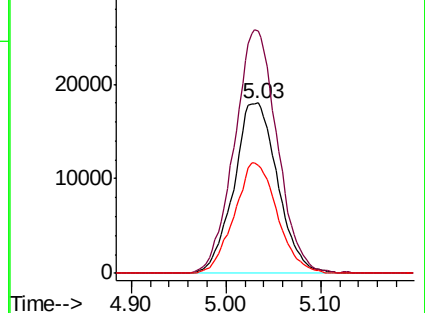
6/17/2019 9:45:38 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 24.111 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Tgt Ion: 45 Resp: 198225

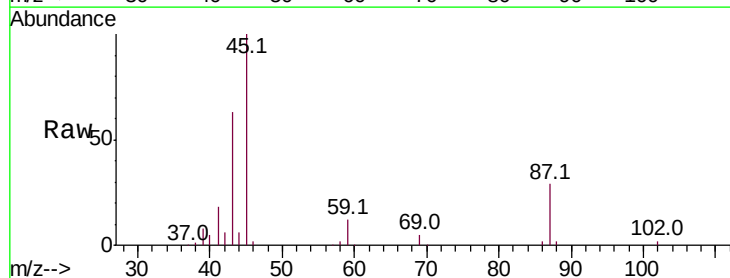
Ion Ratio Lower Upper

45 100

43 60.6 45.0 67.6

87 29.2 22.2 33.4

59 12.2 9.1 13.7

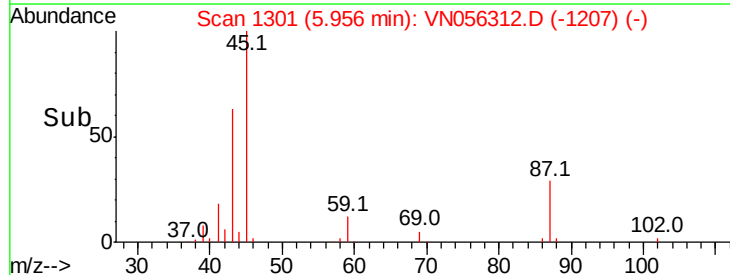
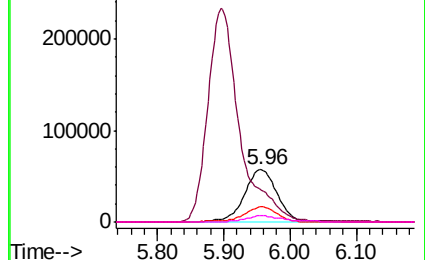


Abundance Ion 45.00 (44.70 to 45.70): VN0

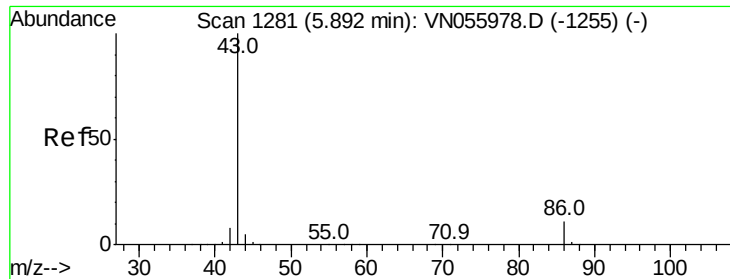
Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0







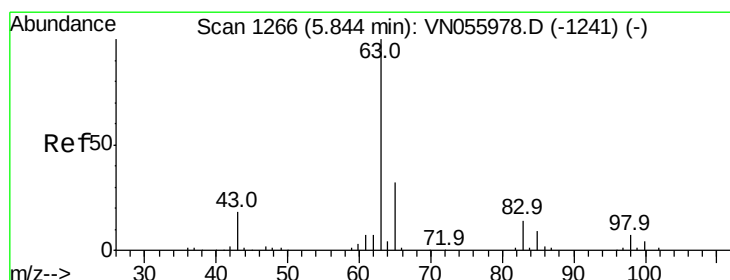
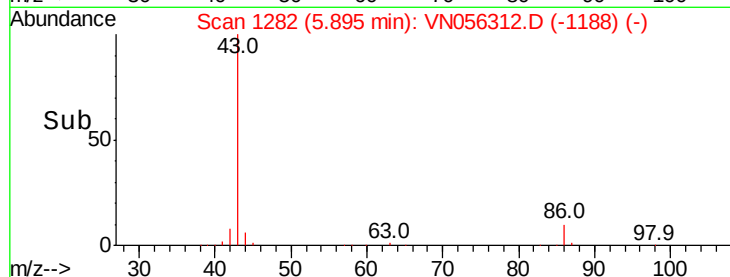
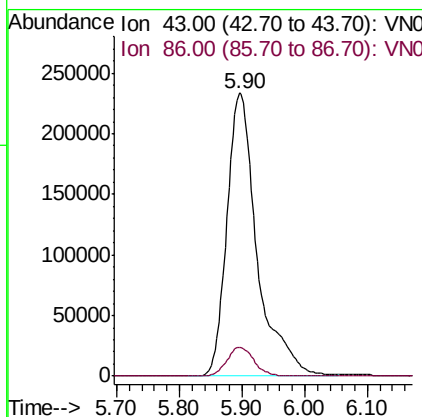
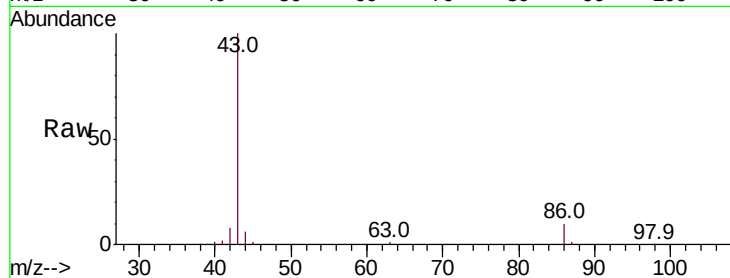
#23  
 Vinyl Acetate  
 Concen: 120.671 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 10.2  | 8.6   | 13.0  |

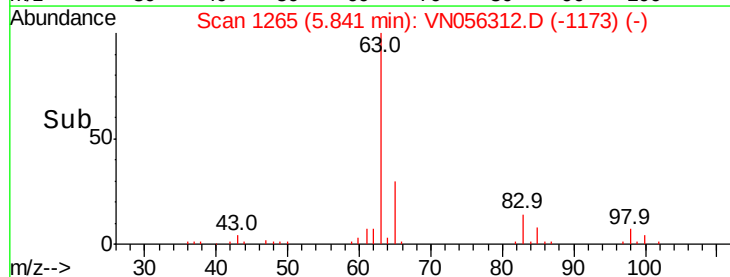
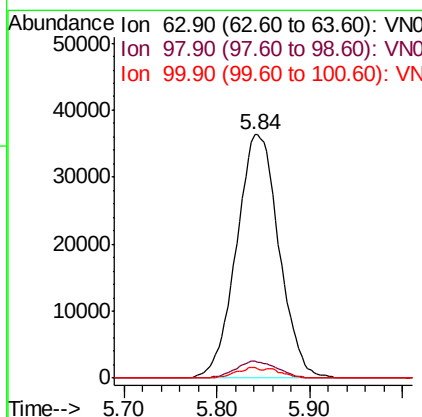
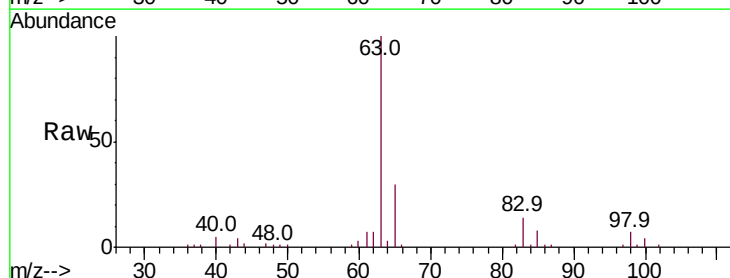
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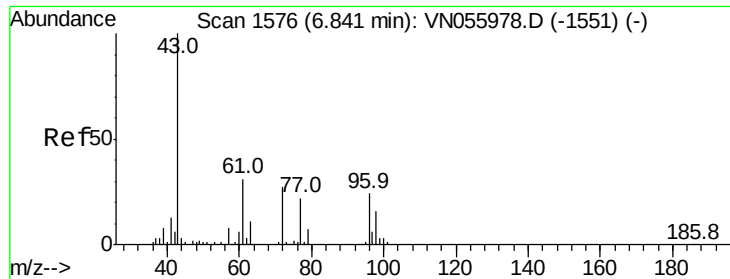
MMDadoda  
 6/17/2019 9:45:38 AM



#24  
 1,1-Dichloroethane  
 Concen: 24.416 ug/l  
 RT: 5.84 min Scan# 1265  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 7.1   | 3.4   | 10.1  |
| 100     | 4.5   | 2.2   | 6.6   |





#25

2-Butanone

Concen: 129.655 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 43 Resp: 233398

Ion Ratio Lower Upper

43 100

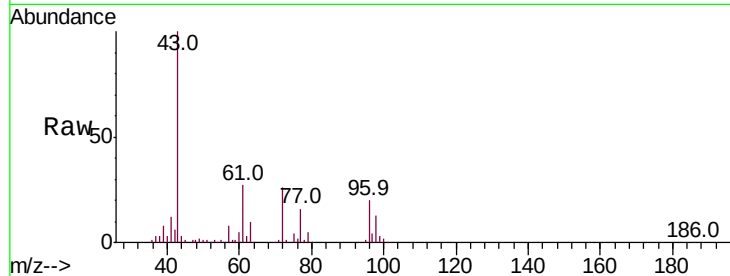
72 25.9 21.9 32.9

Manual Integrations

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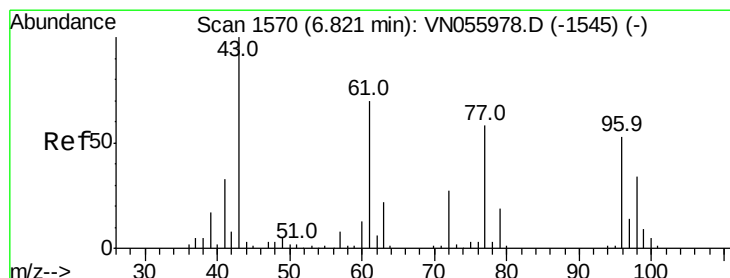
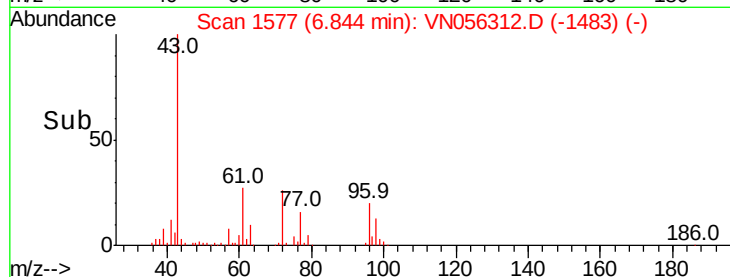
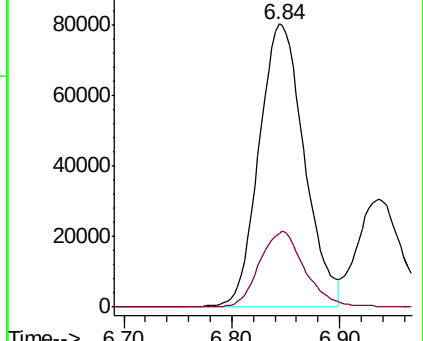
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6/17/2019 9:45:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.730 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056312.D

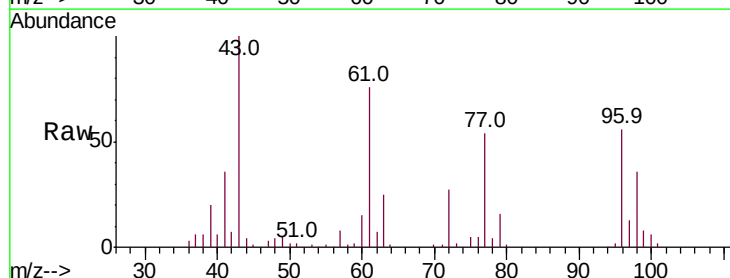
Acq: 14 Jun 2019 15:16

Tgt Ion: 77 Resp: 73011

Ion Ratio Lower Upper

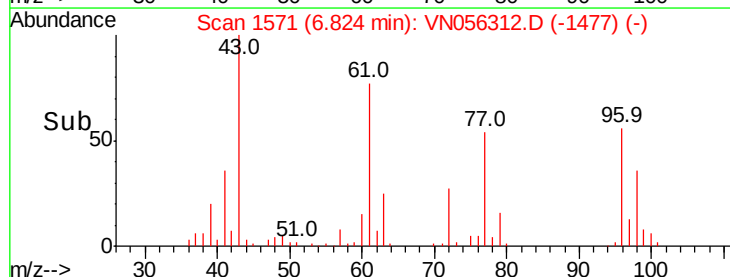
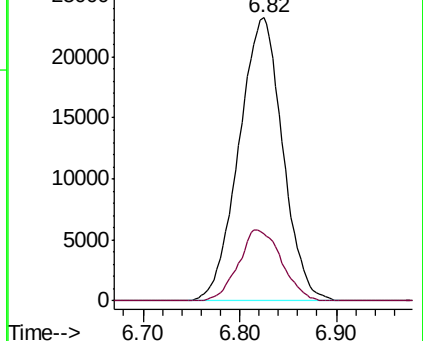
77 100

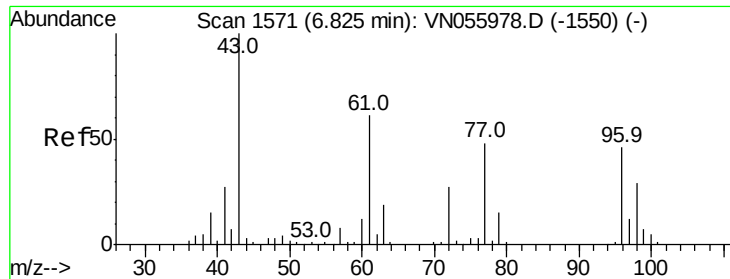
97 24.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 22.357 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 96 Resp: 70921

Ion Ratio Lower Upper

96 100

61 137.5 0.0 275.8

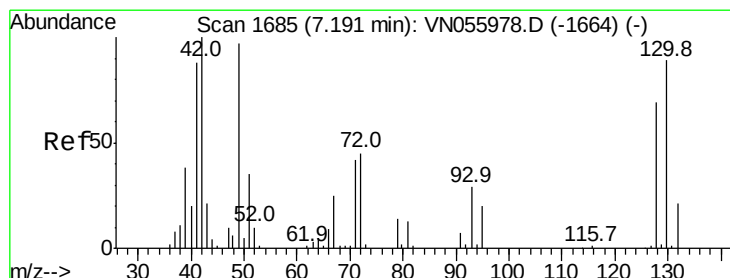
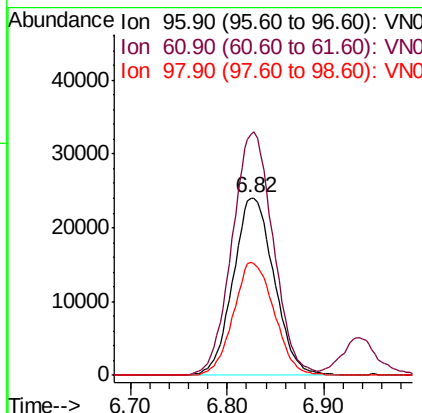
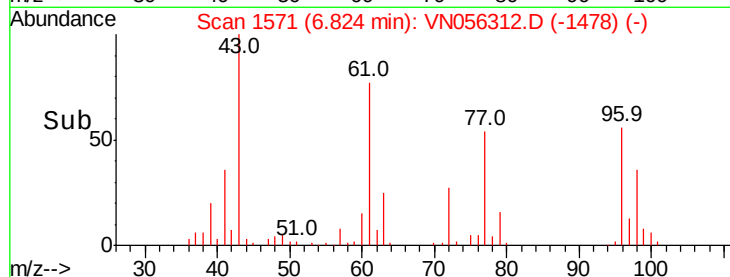
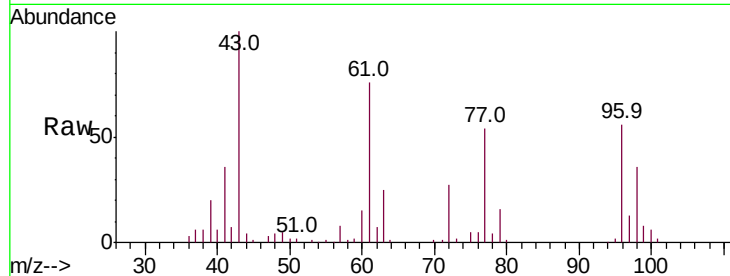
98 63.2 0.0 128.4

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#28

Bromochloromethane

Concen: 26.405 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

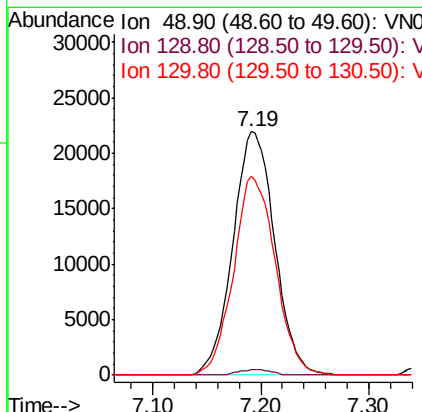
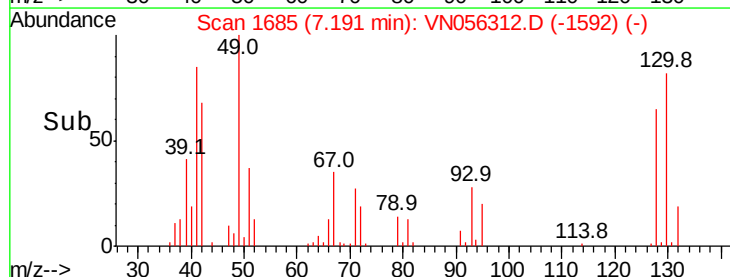
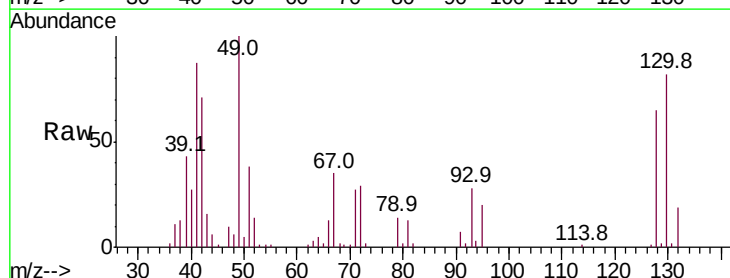
Tgt Ion: 49 Resp: 59218

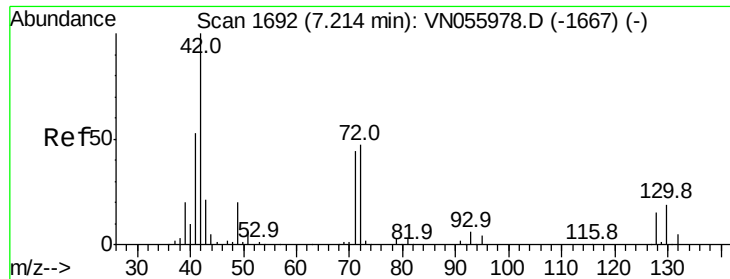
Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.4

130 81.6 71.2 106.8





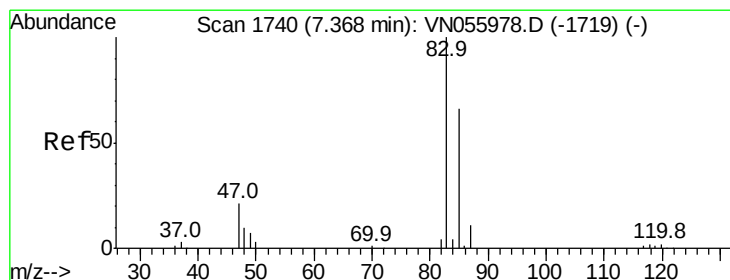
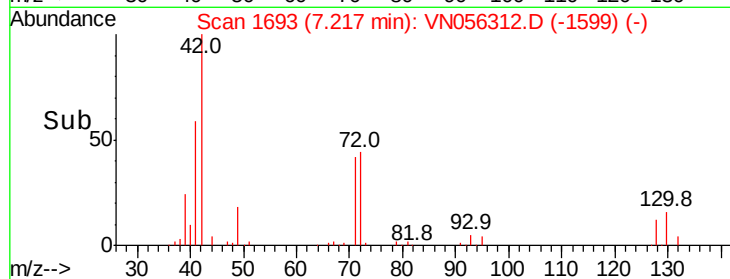
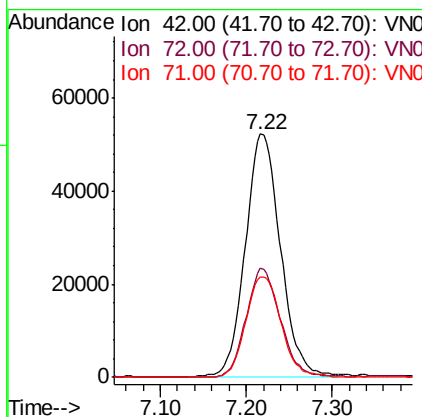
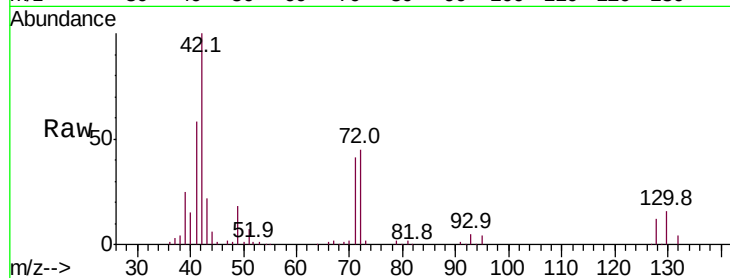
#29  
Tetrahydrofuran  
Concen: 134.262 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.2  | 35.9  | 53.9  |
| 71      | 41.5  | 34.0  | 51.0  |

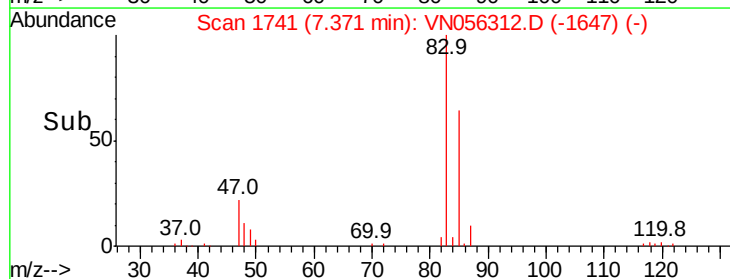
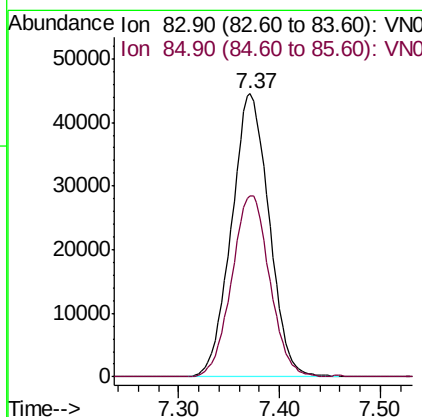
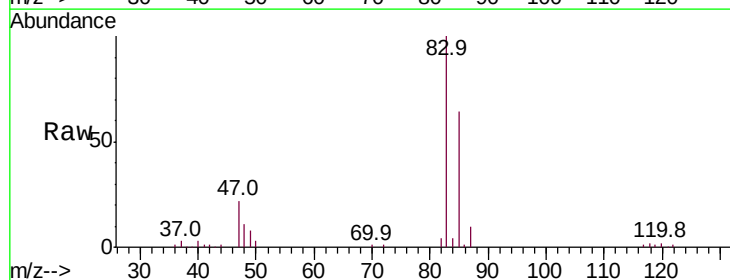
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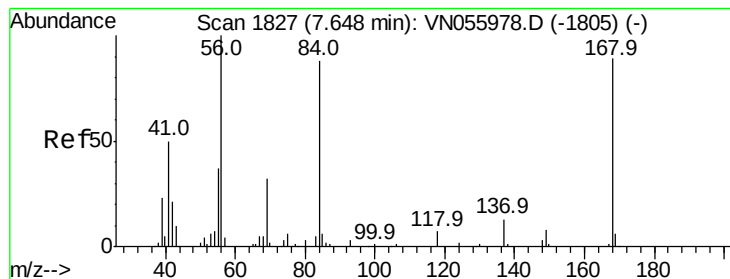
MMDadoda  
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#30  
Chloroform  
Concen: 24.128 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.1  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 20.599 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 56 Resp: 97372

Ion Ratio Lower Upper

56 100

69 34.7 25.6 38.4

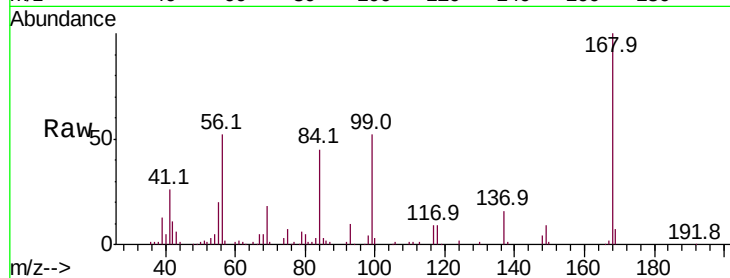
84 85.9 67.4 101.0

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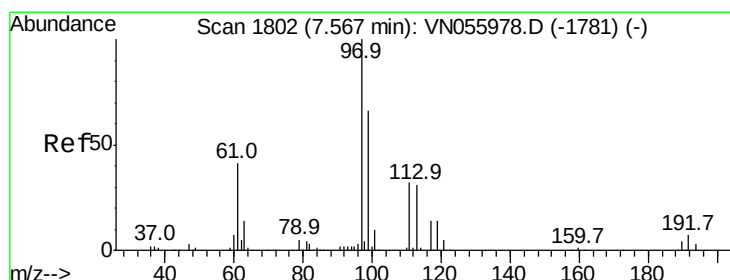
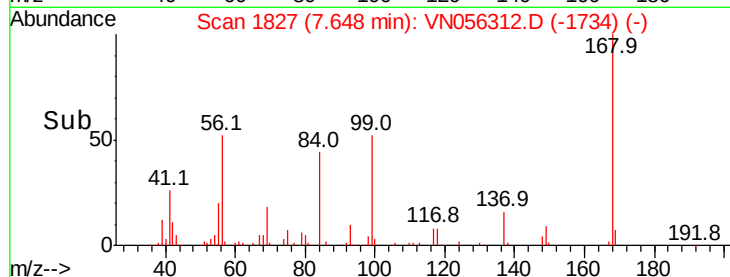
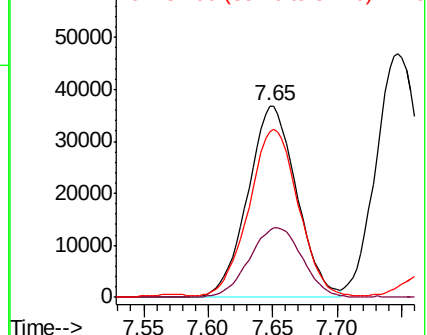


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 23.056 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

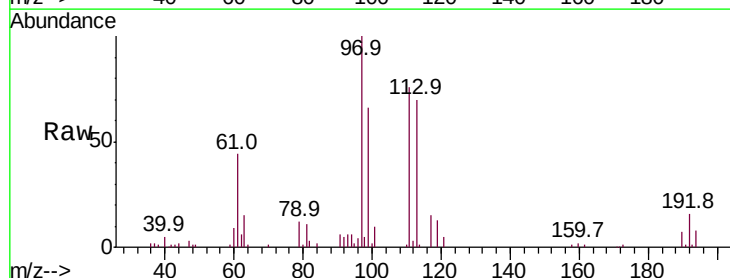
Tgt Ion: 97 Resp: 91852

Ion Ratio Lower Upper

97 100

99 63.9 52.0 78.0

61 43.4 32.9 49.3

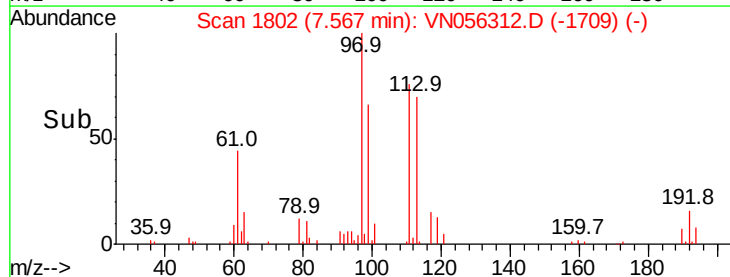
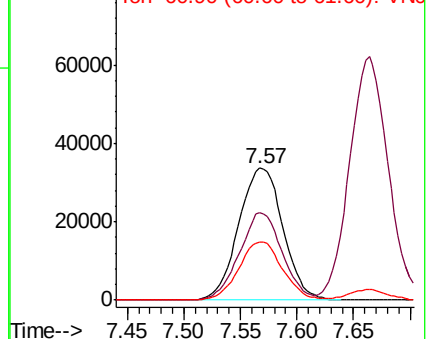


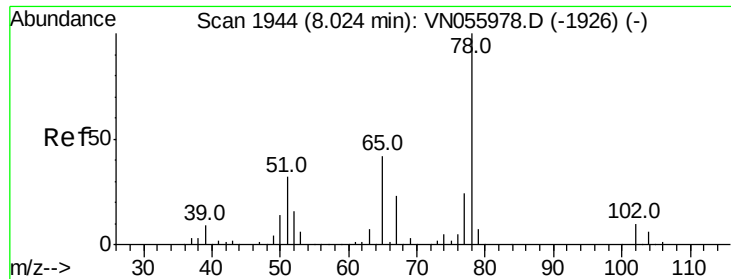
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





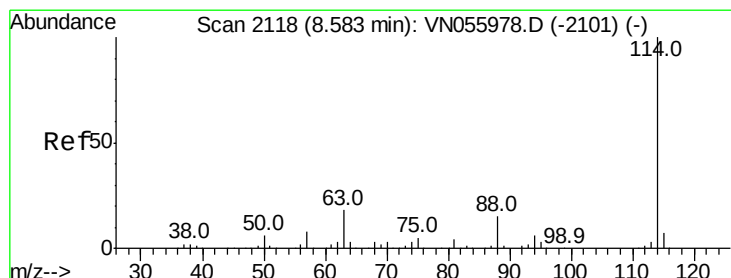
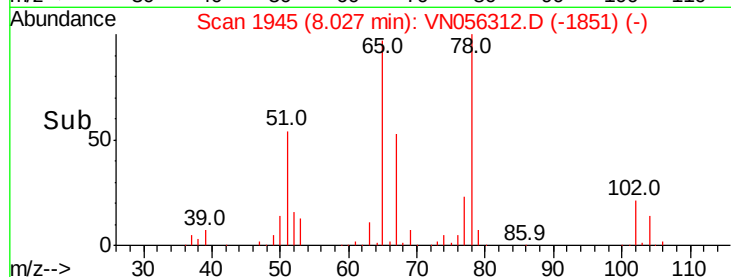
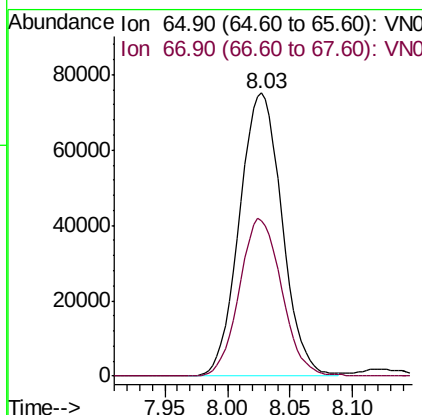
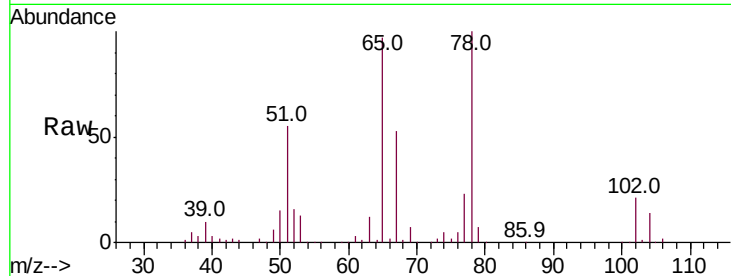
#33  
 1,2-Dichloroethane-d4  
 Concen: 59.520 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 55.3  | 0.0  | 109.2 |       |

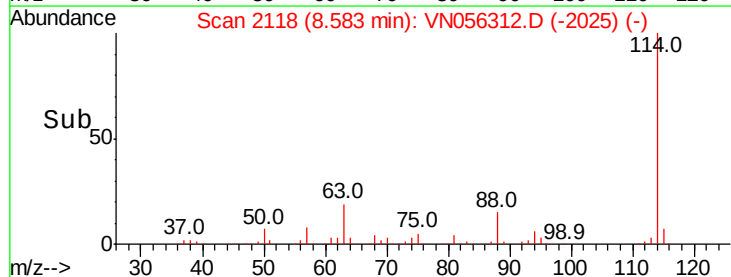
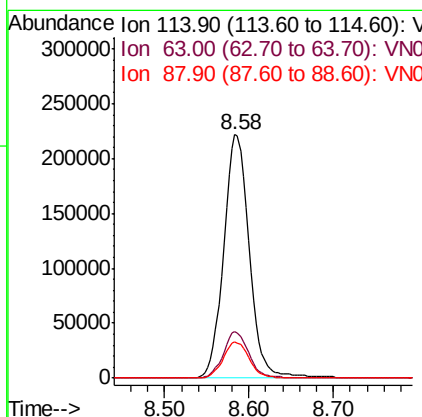
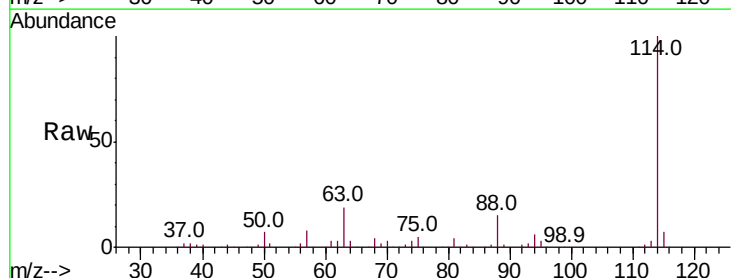
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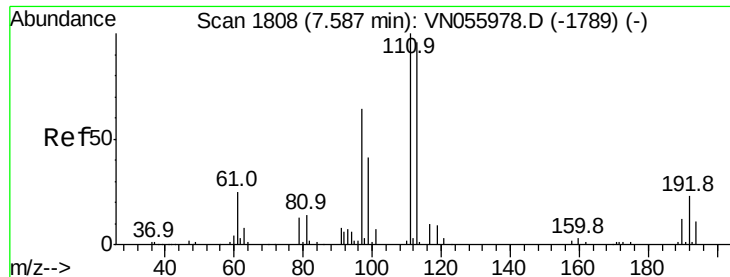
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.2  | 0.0  | 39.2  |       |
| 88      | 14.8  | 0.0  | 31.0  |       |





#35

Dibromofluoromethane

Concen: 54.999 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

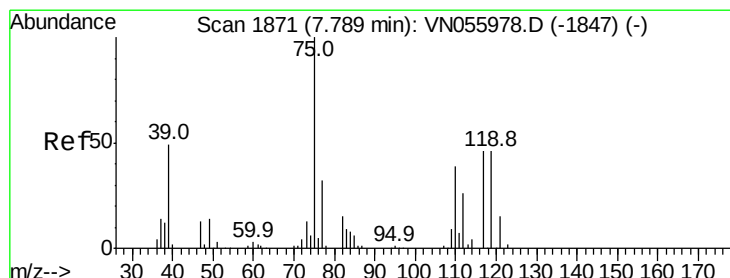
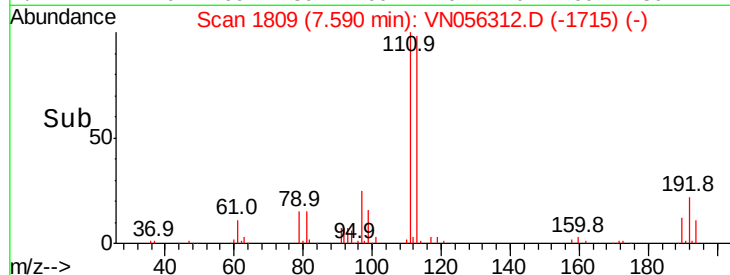
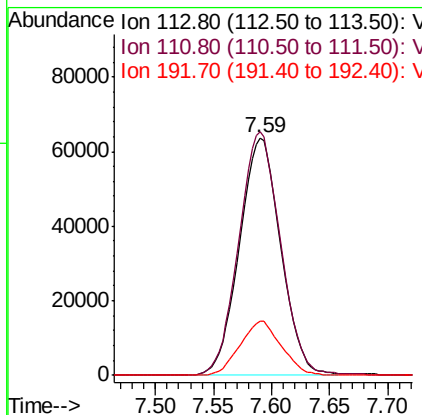
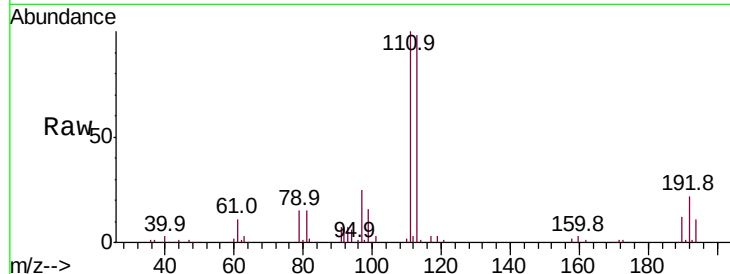
ClientSampleId :

VN0614WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 158108 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.3 | 81.9  | 122.9  |
| 192       | 22.8  | 19.5  | 29.3   |

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#36

1,1-Dichloropropene

Concen: 19.779 ug/l

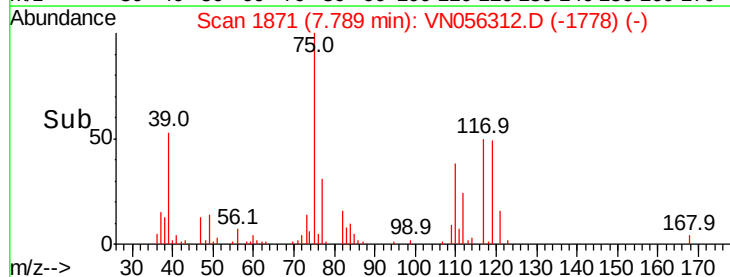
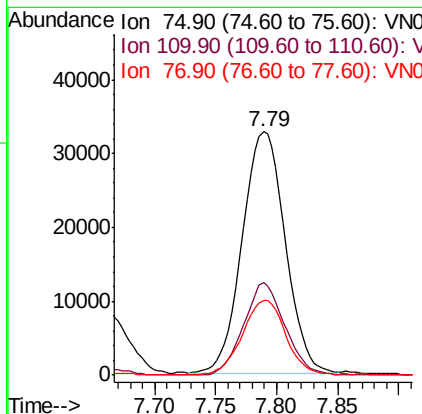
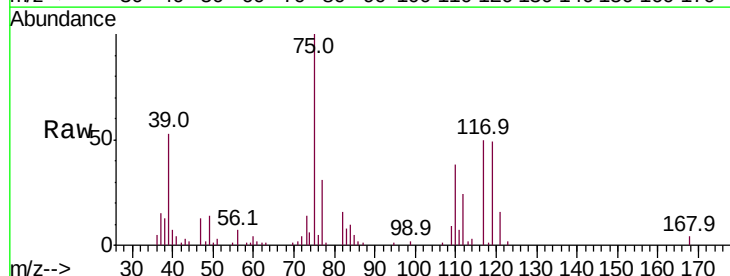
RT: 7.79 min Scan# 1871

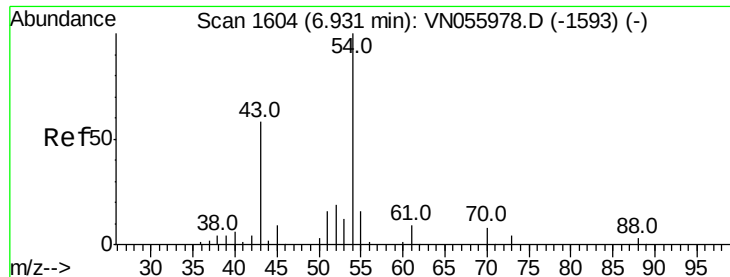
Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 79686 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.5  | 19.0  | 57.0  |
| 77        | 31.3  | 25.1  | 37.7  |





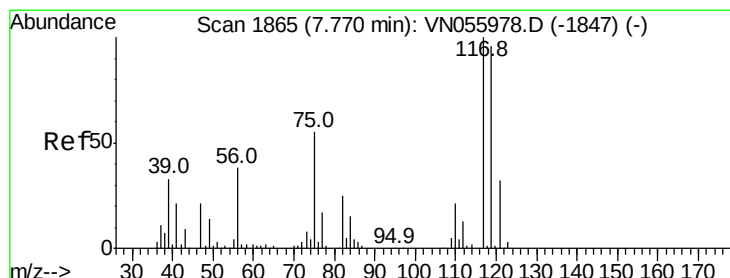
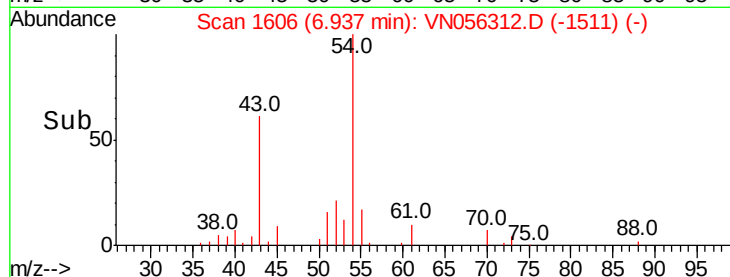
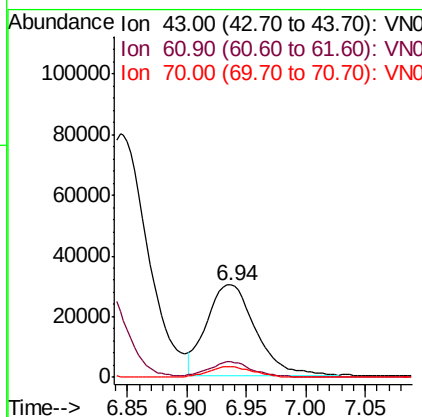
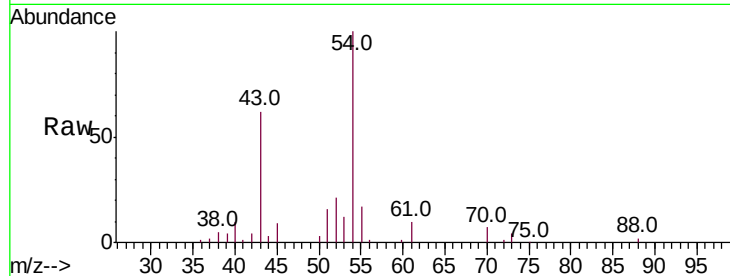
#37  
Ethyl Acetate  
Concen: 23.794 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.01 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.6  | 12.2  | 18.2  |
| 70      | 11.0  | 8.9   | 13.3  |

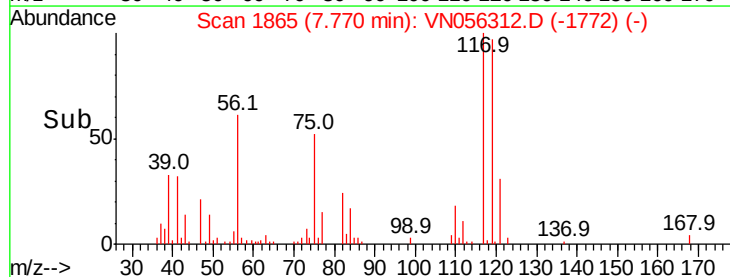
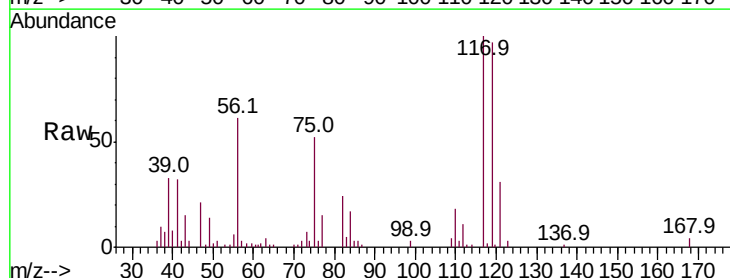
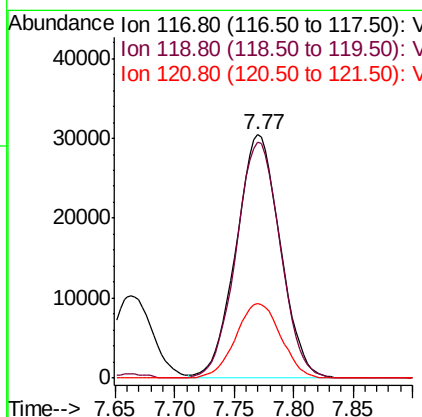
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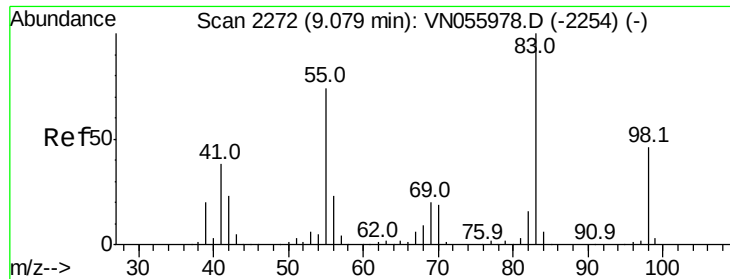


#38  
Carbon Tetrachloride  
Concen: 21.033 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.1  | 79.0  | 118.6 |
| 121     | 30.8  | 24.7  | 37.1  |







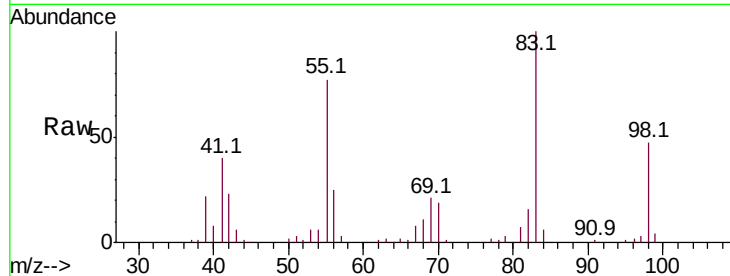
#39  
Methylvlcyclohexane  
Concen: 18.584 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion   | 83   | Resp  | 93269 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 77.3 | 59.3  | 88.9  |
| 98        | 46.5 | 36.6  | 54.8  |

Manual Integrations  
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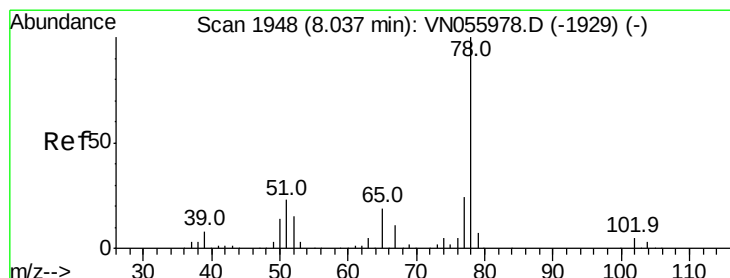
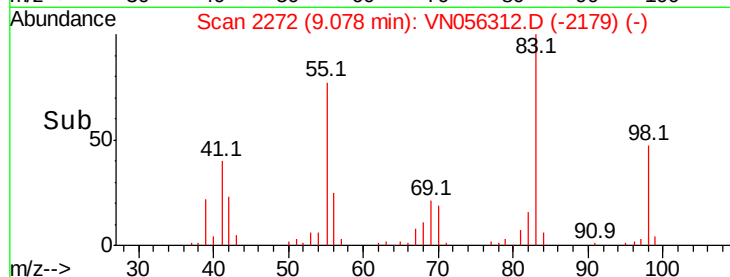
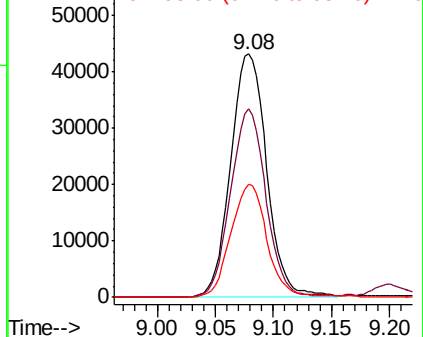


Abundance

Ion 83.00 (82.70 to 83.70): VN0

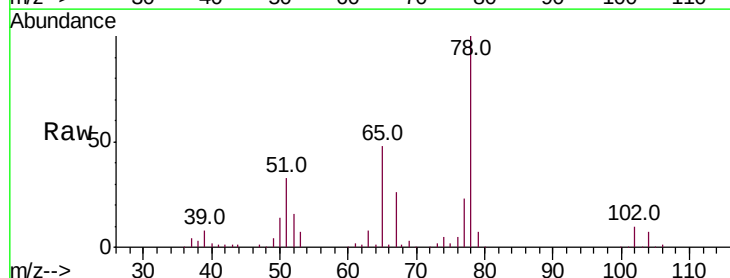
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40  
Benzene  
Concen: 21.125 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

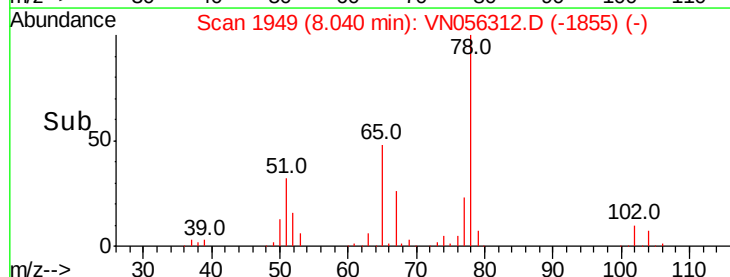
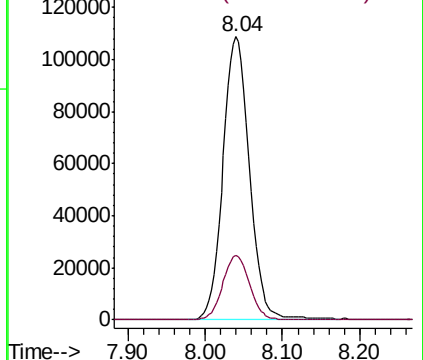
| Tgt Ion   | 78   | Resp  | 258495 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 22.8 | 18.8  | 28.2   |

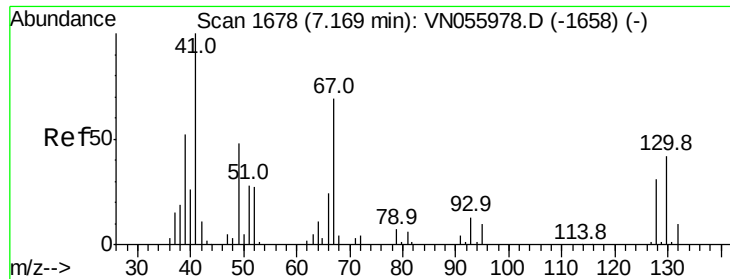


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





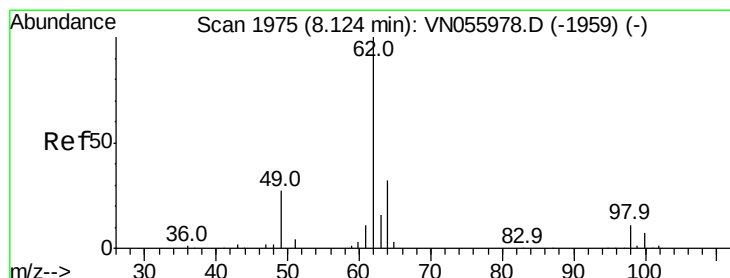
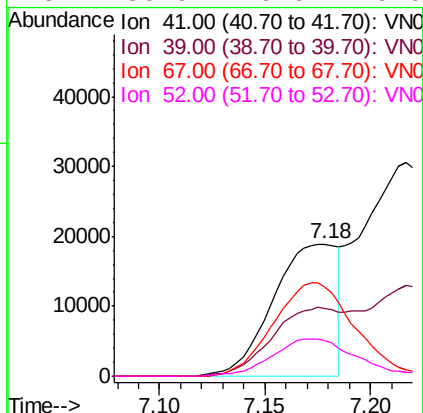
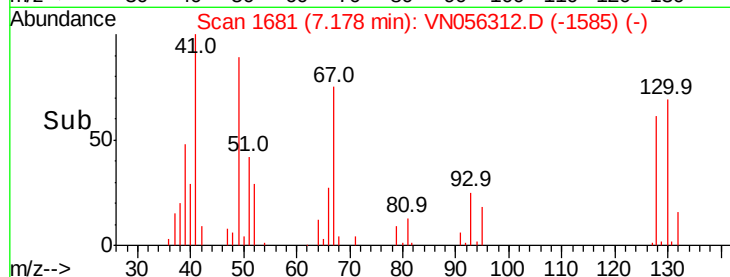
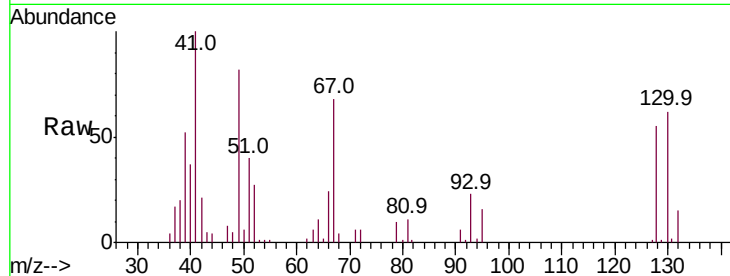
#41  
Methacrylonitrile  
Concen: 24.341 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion   | 41   | Resp  | 40147 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 39        | 51.9 | 45.6  | 68.4  |
| 67        | 90.7 | 67.7  | 101.5 |
| 52        | 36.9 | 26.6  | 40.0  |

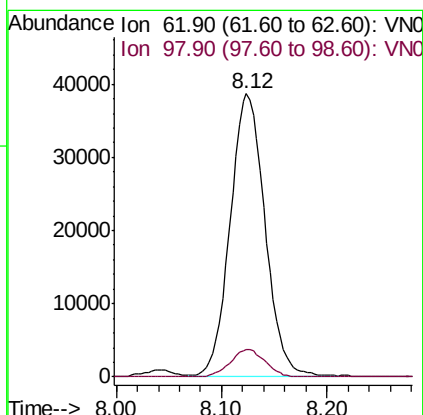
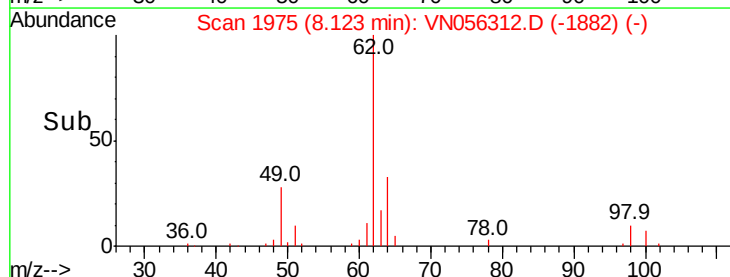
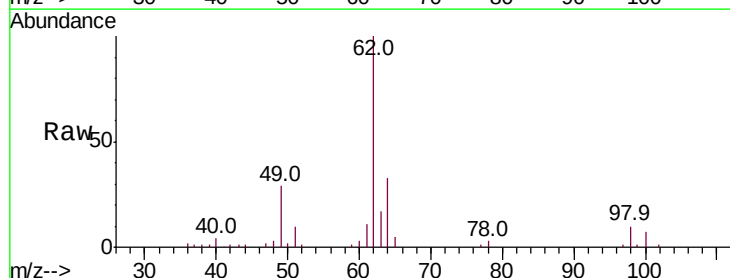
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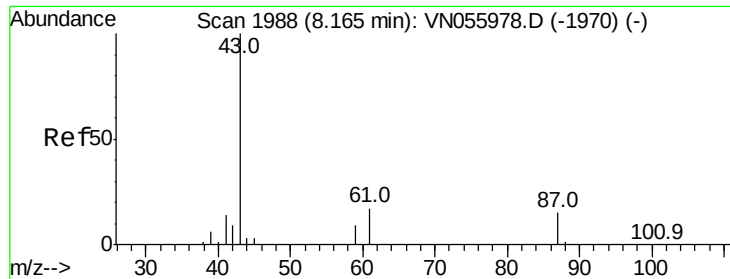
MMDadoda  
6/17/2019 9:45:38 AM



#42  
1,2-Dichloroethane  
Concen: 22.605 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion   | 62  | Resp  | 88975 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 62        | 100 |       |       |
| 98        | 9.5 | 0.0   | 20.2  |





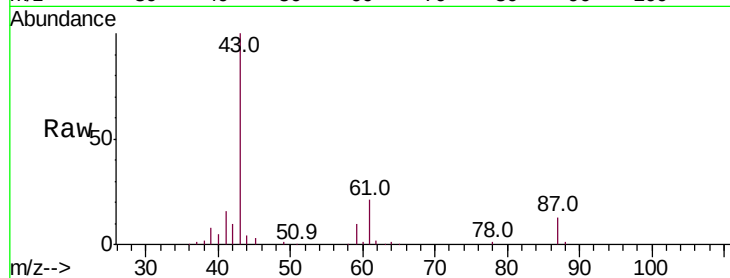
#43  
Isopropyl Acetate  
Concen: 22.304 ug/l  
RT: 8.17 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

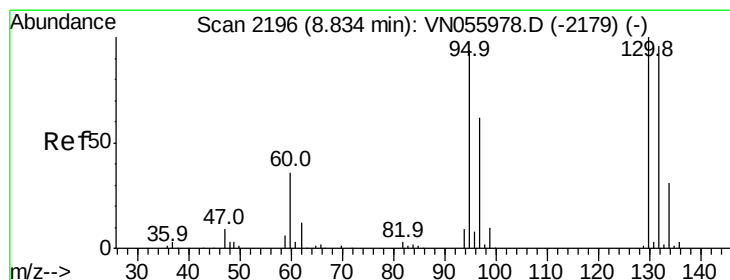
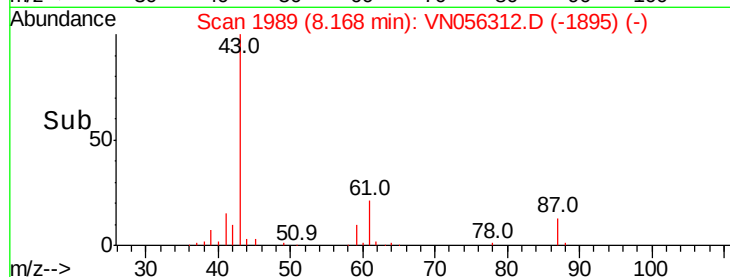
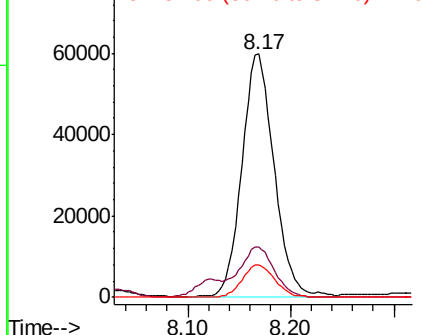
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 22.3  | 22.2  | 33.4  |
| 87      | 13.5  | 11.4  | 17.2  |

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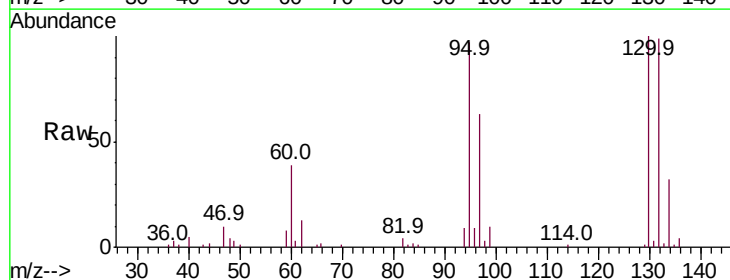


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

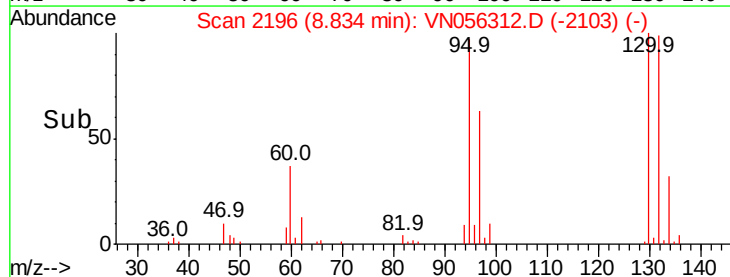
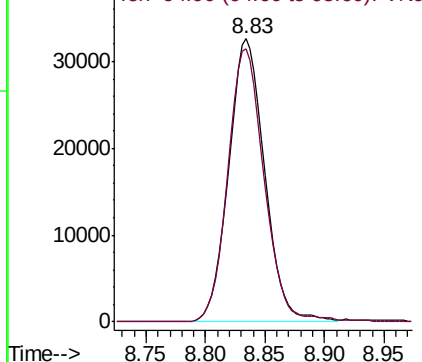


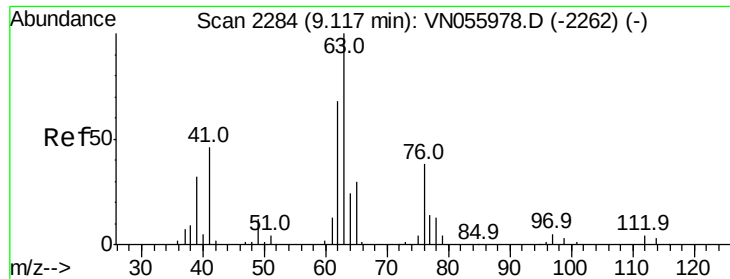
#44  
Trichloroethene  
Concen: 19.447 ug/l  
RT: 8.83 min Scan# 2196  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 96.7  | 0.0   | 188.0 |



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)





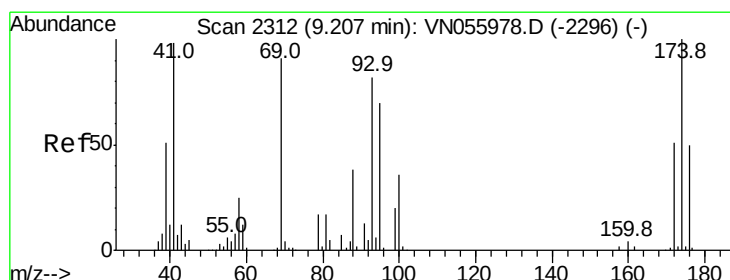
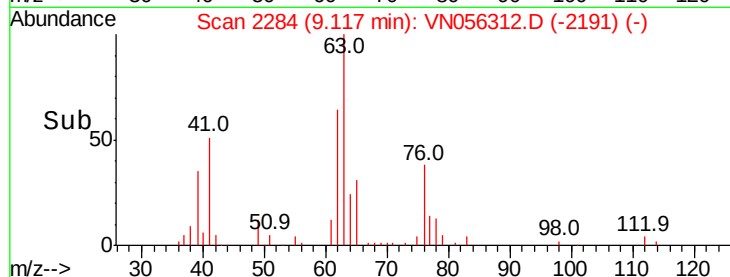
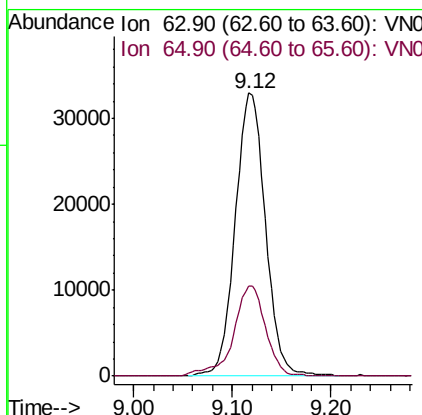
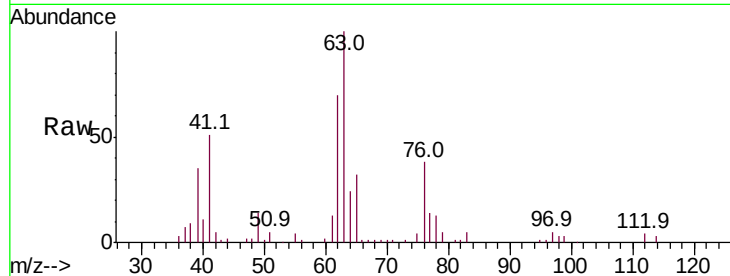
#45  
 1,2-Dichloropropane  
 Concen: 22.352 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

Tot Ion: 63 Resp: 70060  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 24.6 36.8

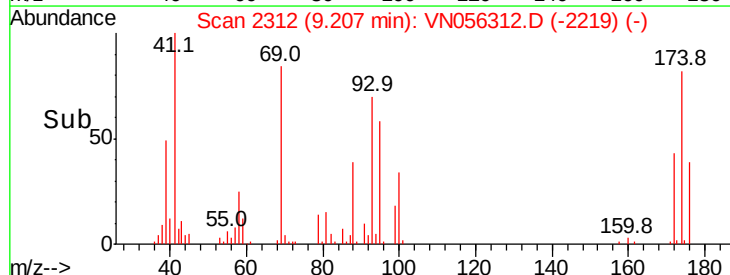
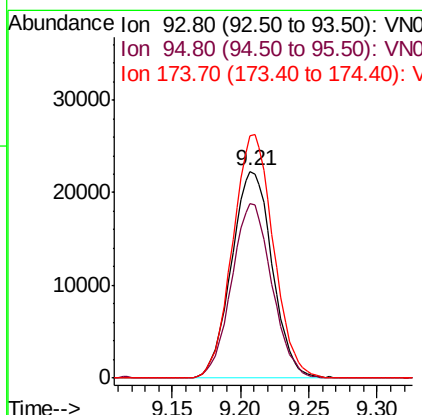
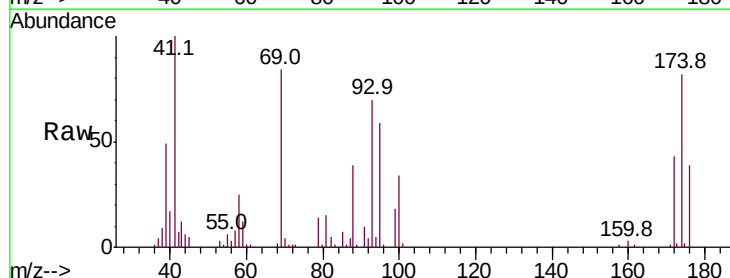
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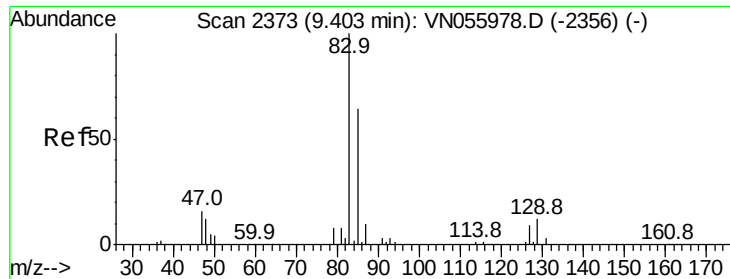
MMDadoda  
 6/17/2019 9:45:38 AM



#46  
 Dibromomethane  
 Concen: 22.590 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Tgt Ion: 93 Resp: 46301  
 Ion Ratio Lower Upper  
 93 100  
 95 83.2 66.7 100.1  
 174 117.5 96.4 144.6





#47

Bromodichloromethane

Concen: 23.650 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

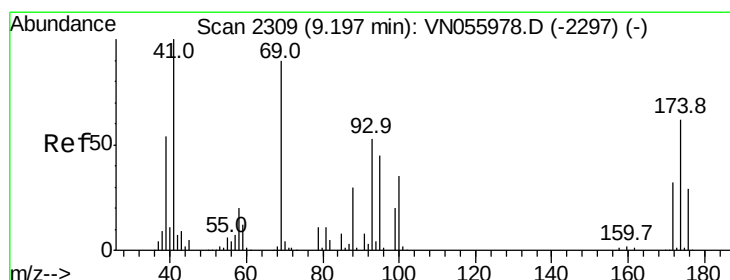
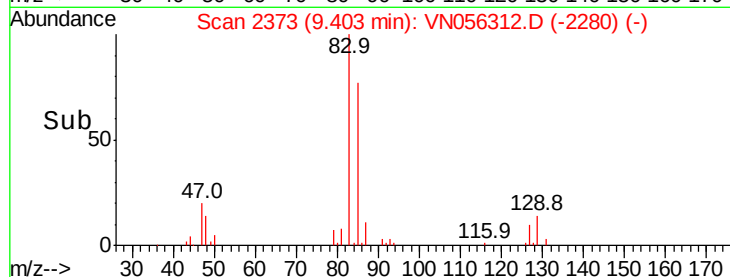
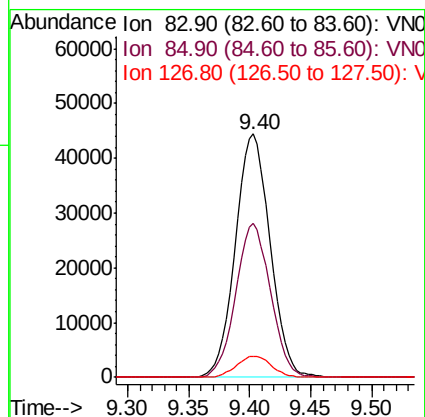
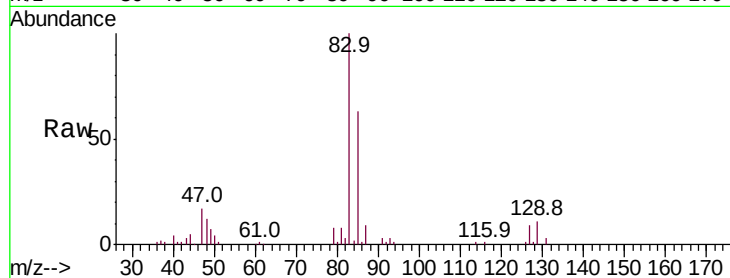
ClientSampleId :

VN0614WBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 87853 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.0  | 52.2  | 78.2  |
| 127       | 8.5   | 7.4   | 11.0  |

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#48

Methyl methacrylate

Concen: 22.987 ug/l

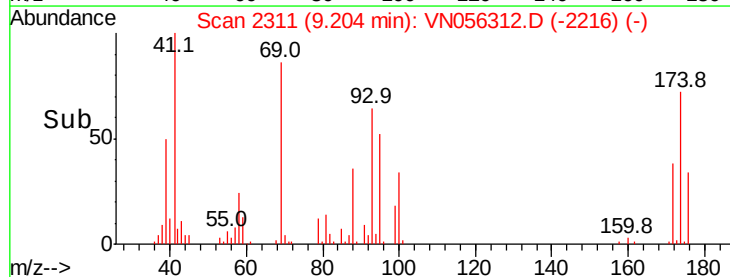
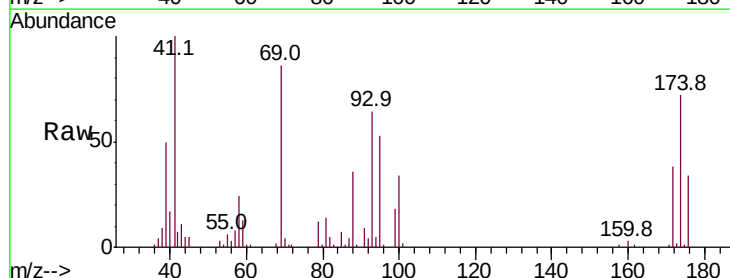
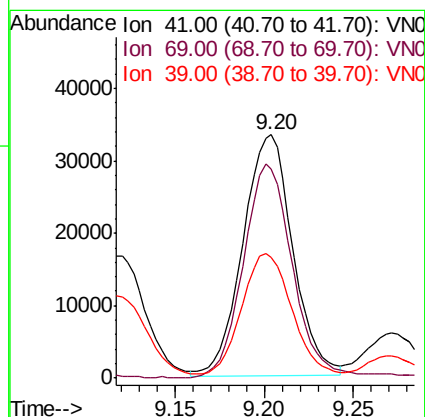
RT: 9.20 min Scan# 2311

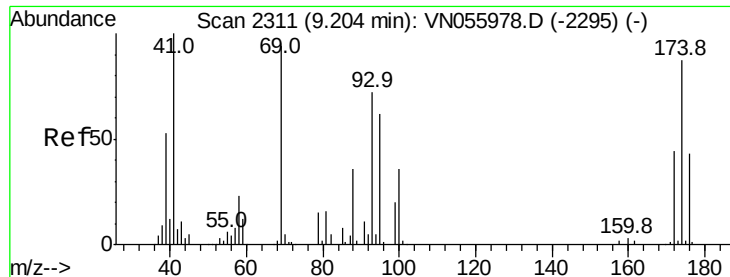
Delta R.T. 0.01 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 65326 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 87.2  | 71.0  | 106.6 |
| 39        | 52.5  | 44.2  | 66.2  |





#49

1,4-Dioxane

Concen: 464.146 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 88 Resp: 28477

Ion Ratio Lower Upper

88 100

43 28.4 20.5 30.7

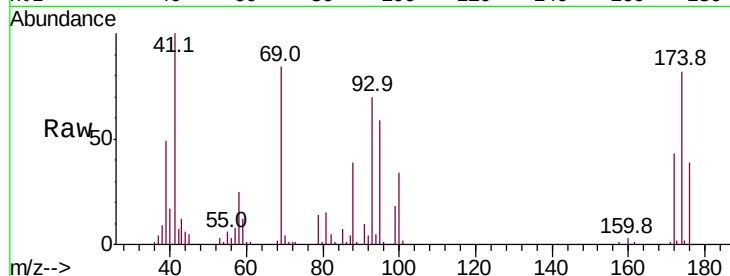
58 67.7 55.8 83.6

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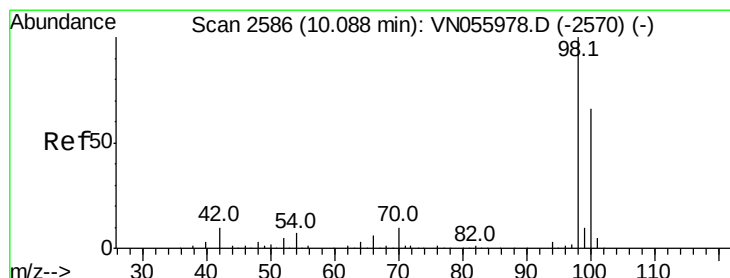
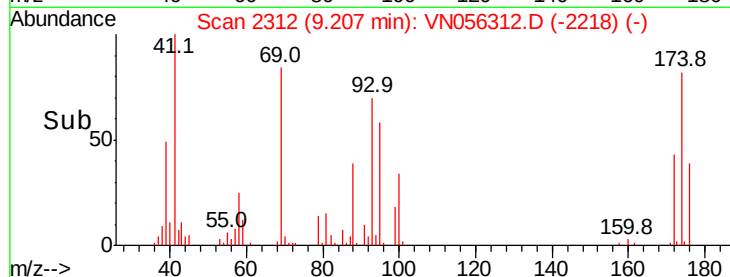
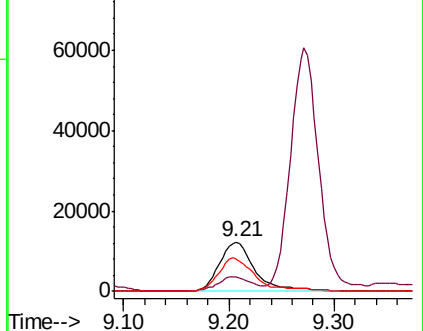
6/17/2019 9:45:38 AM



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.873 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056312.D

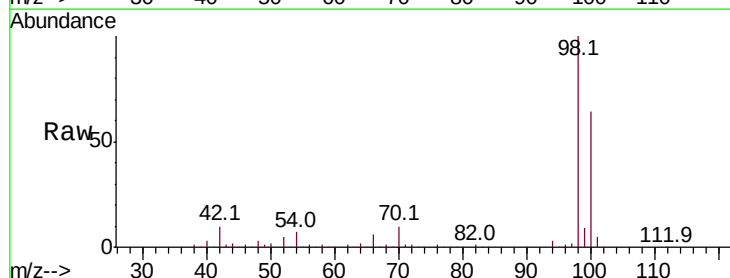
Acq: 14 Jun 2019 15:16

Tgt Ion: 98 Resp: 573819

Ion Ratio Lower Upper

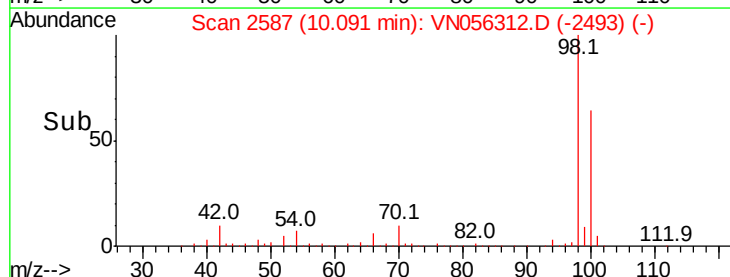
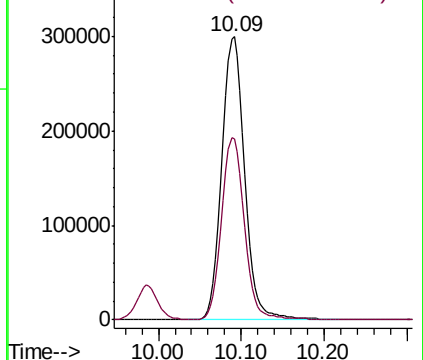
98 100

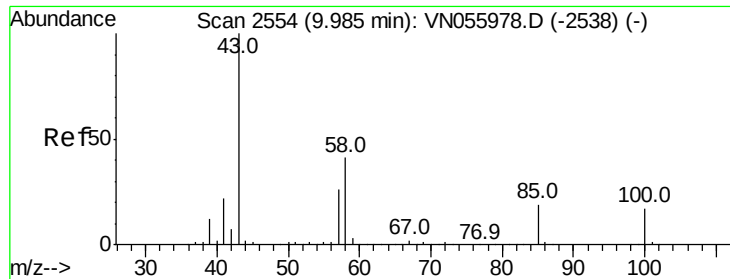
100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 121.084 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampled :

VN0614WBS02

Tot Ion: 43 Resp: 439855

Ion Ratio Lower Upper

43 100

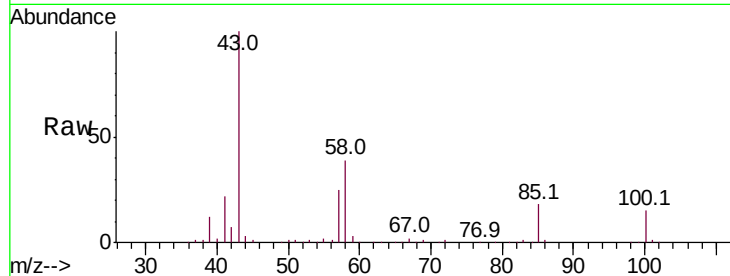
58 39.4 32.1 48.1

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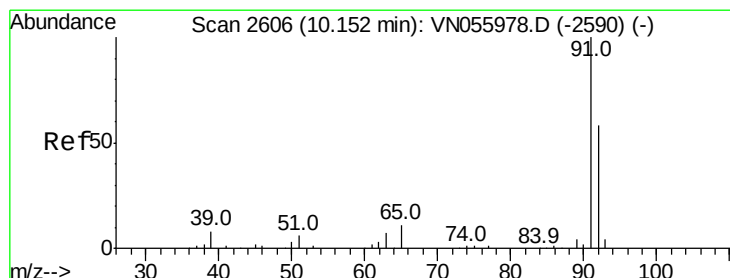
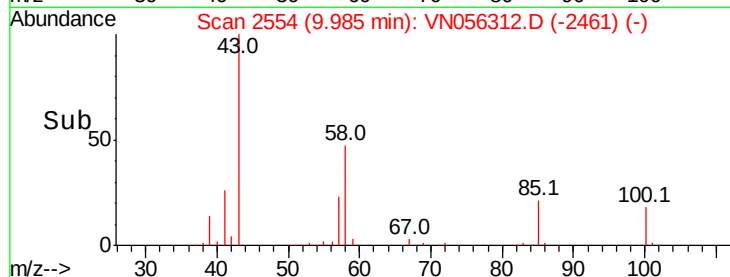
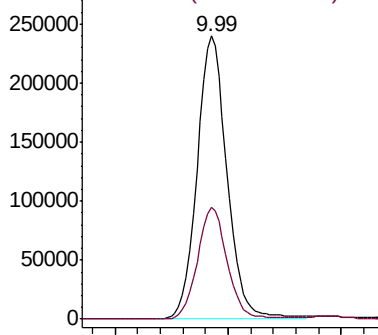
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.080 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056312.D

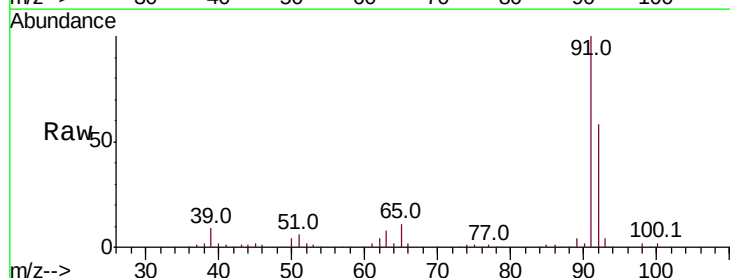
Acq: 14 Jun 2019 15:16

Tgt Ion: 92 Resp: 160513

Ion Ratio Lower Upper

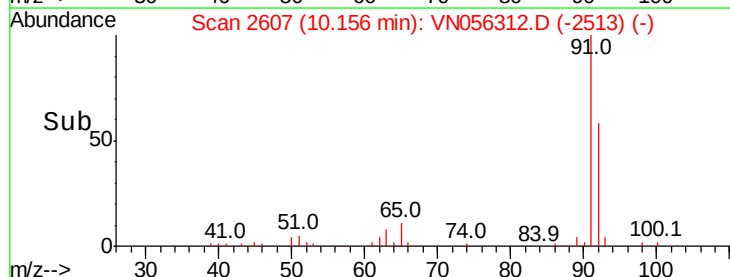
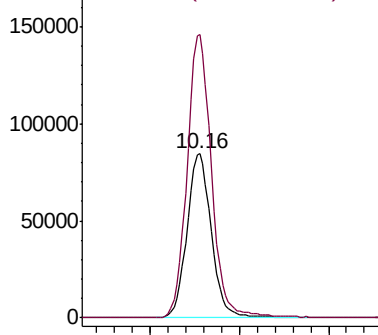
92 100

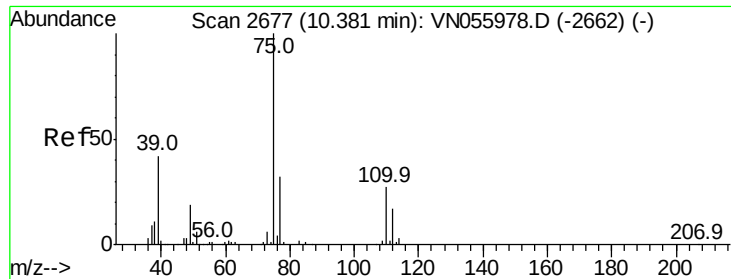
91 171.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





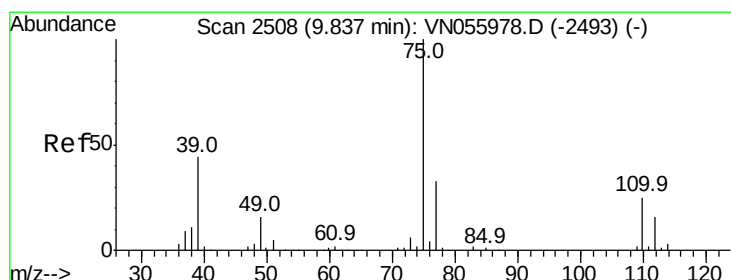
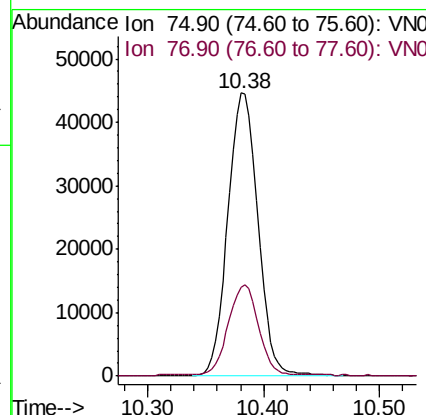
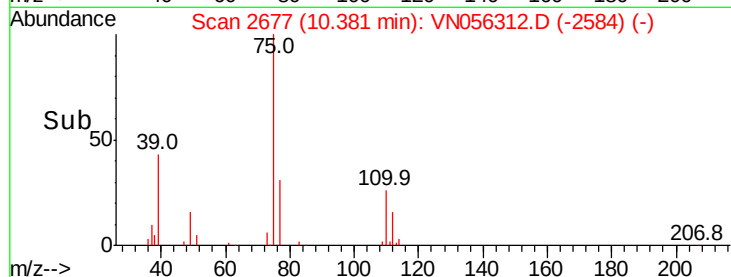
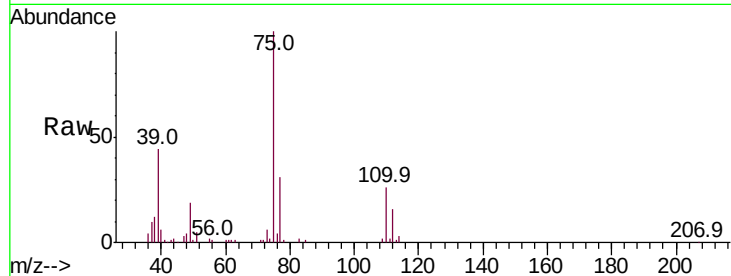
#53  
t-1,3-Dichloropropene  
Concen: 19.925 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.8  | 25.8  | 38.6  |

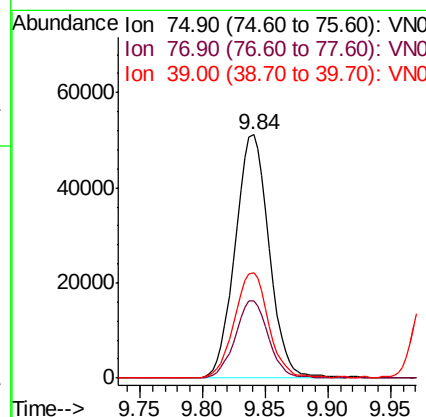
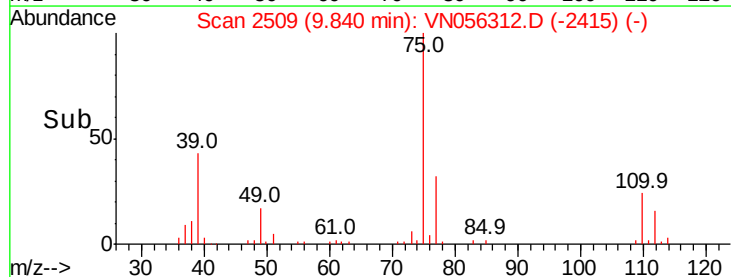
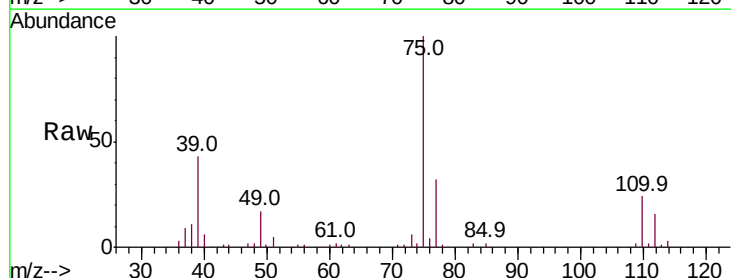
Manual Integrations  
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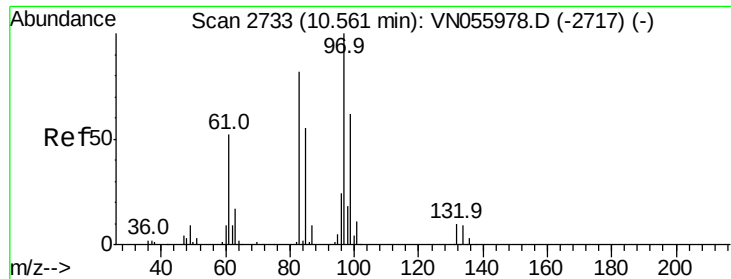


#54  
cis-1,3-Dichloropropene  
Concen: 21.553 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.9  | 25.4  | 38.0  |
| 39      | 43.2  | 36.3  | 54.5  |







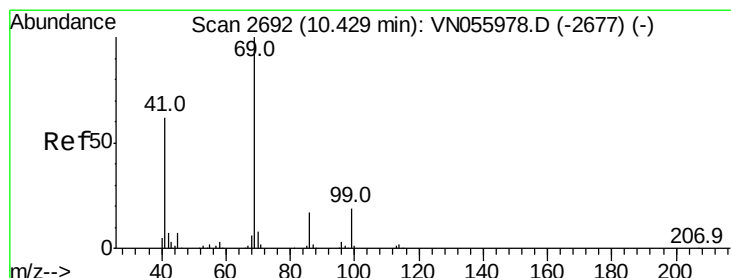
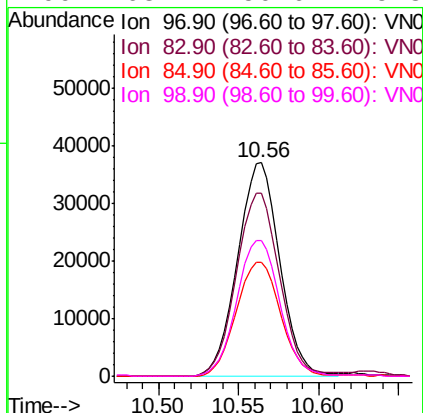
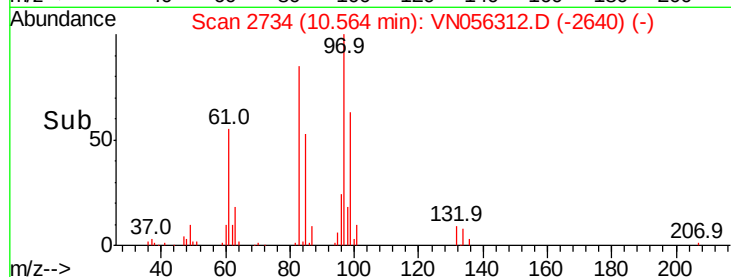
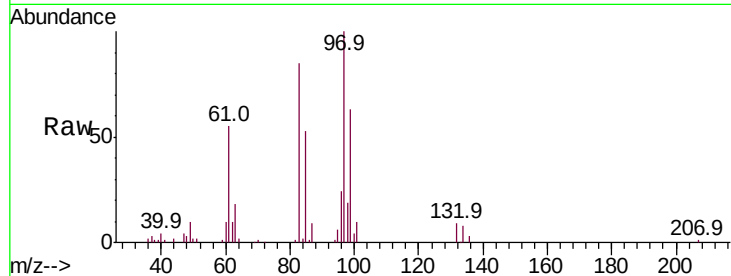
#55  
 1,1,2-Trichloroethane  
 Concen: 22.116 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.4  | 67.0  | 100.6 |
| 85      | 53.1  | 44.0  | 66.0  |
| 99      | 63.4  | 50.6  | 75.8  |

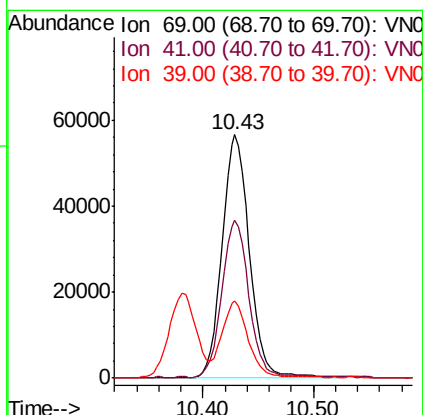
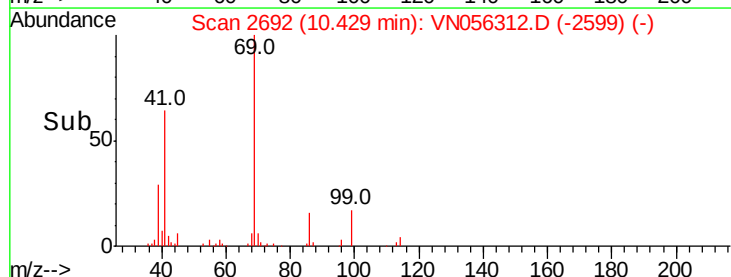
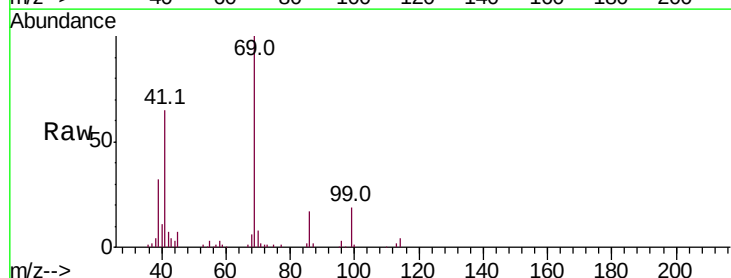
Manual Integrations  
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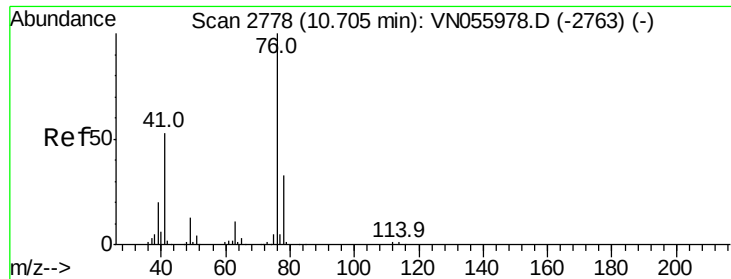
MMDadoda  
 6/17/2019 9:45:38 AM



#56  
 Ethyl methacrylate  
 Concen: 22.176 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 63.7  | 49.7  | 74.5  |
| 39      | 29.2  | 24.7  | 37.1  |





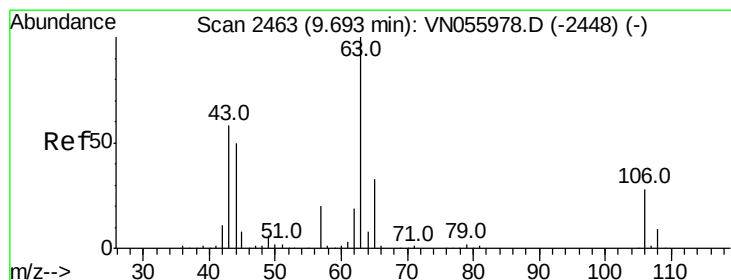
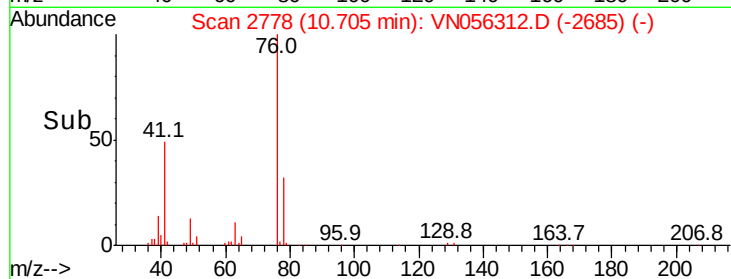
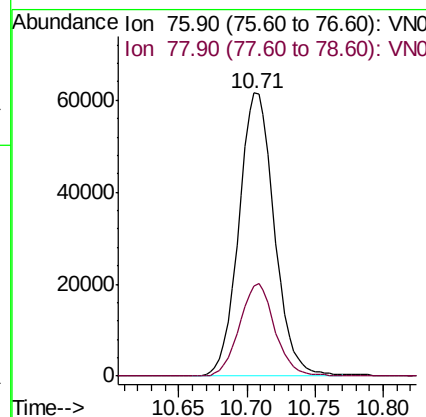
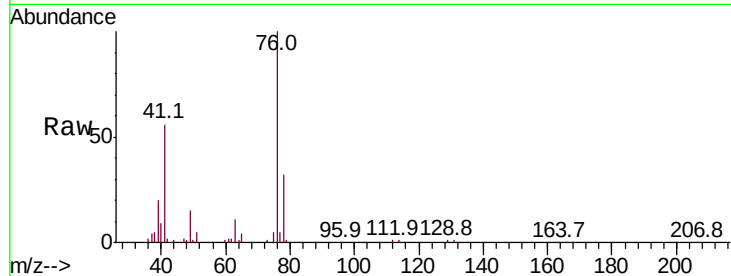
#57  
 1,3-Dichloropropane  
 Concen: 22.694 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

Tot Ion: 76 Resp: 111274  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 25.8 38.6

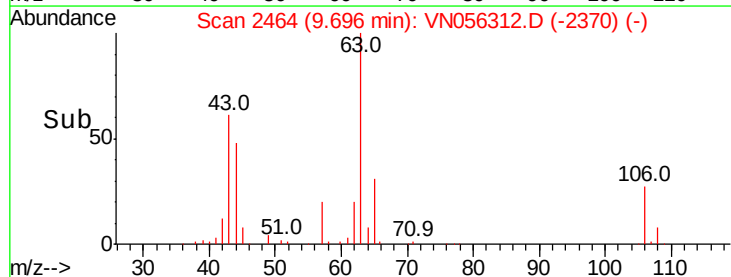
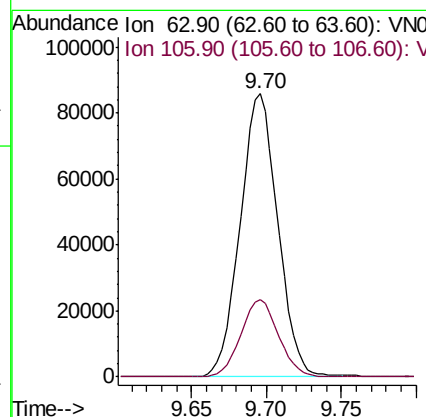
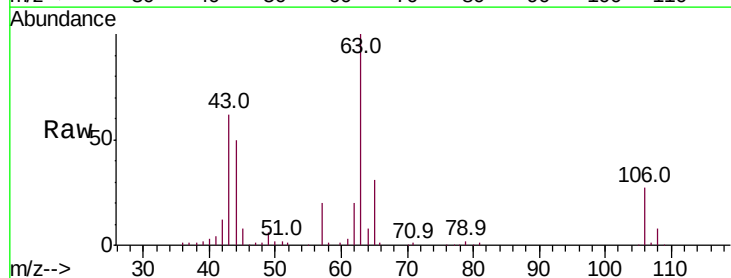
Manual Integrations  
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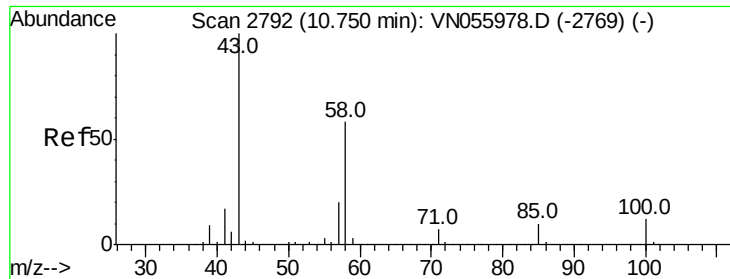
MMDadoda  
 6/17/2019 9:45:38 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 95.798 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Tgt Ion: 63 Resp: 150115  
 Ion Ratio Lower Upper  
 63 100  
 106 27.4 22.7 34.1





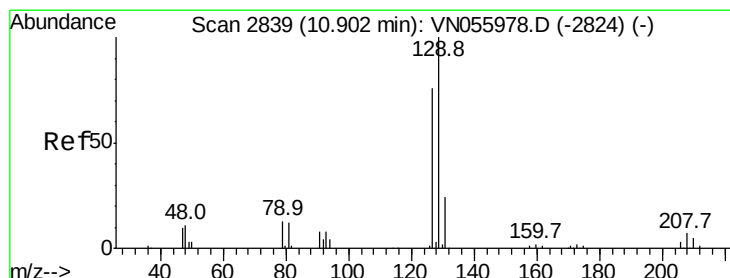
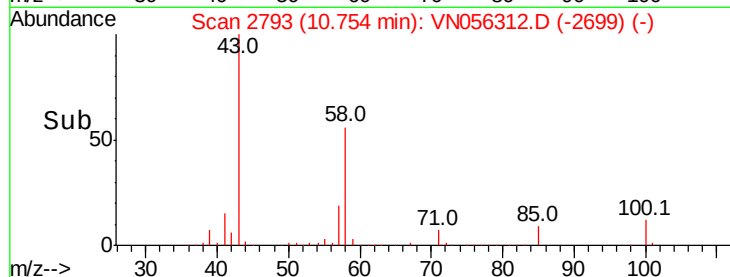
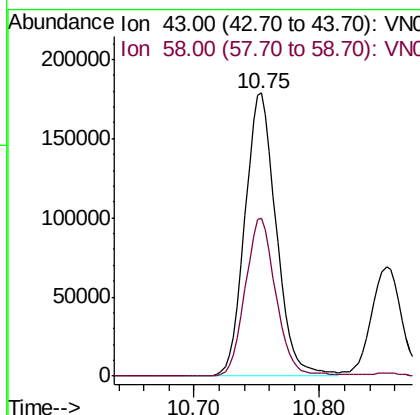
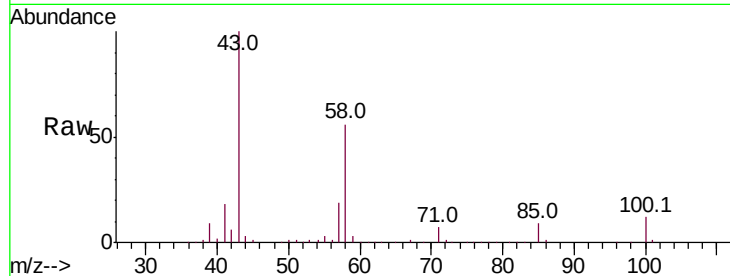
#59  
2-Hexanone  
Concen: 118.141 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

Tot Ion: 43 Resp: 311047  
Ion Ratio Lower Upper  
43 100  
58 55.0 28.2 84.7

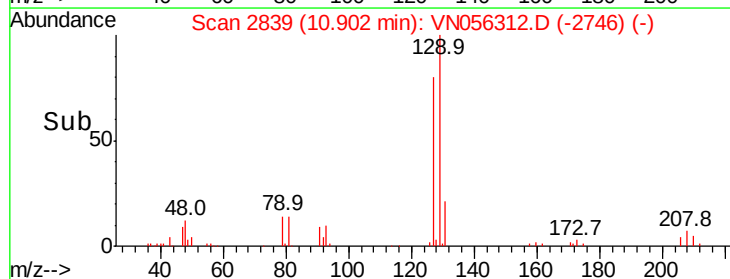
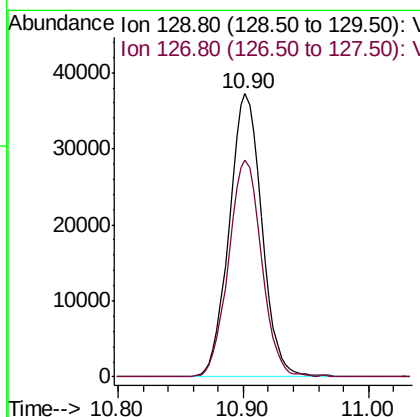
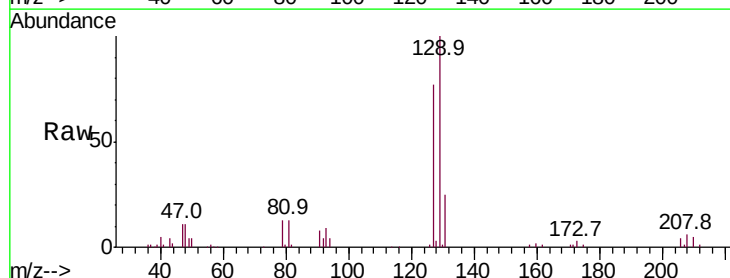
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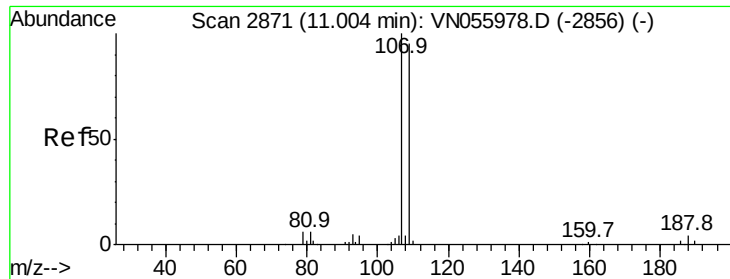
MMDadoda  
6/17/2019 9:45:38 AM



#60  
Dibromochloromethane  
Concen: 21.699 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Tgt Ion: 129 Resp: 67328  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.1 114.3





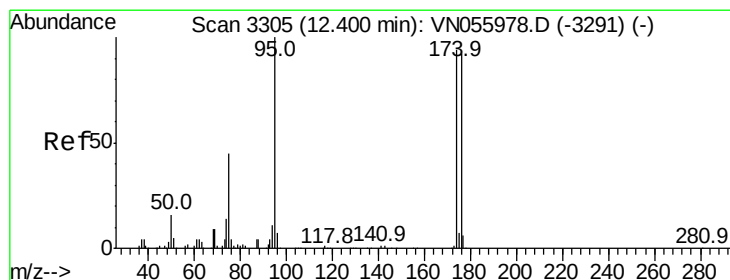
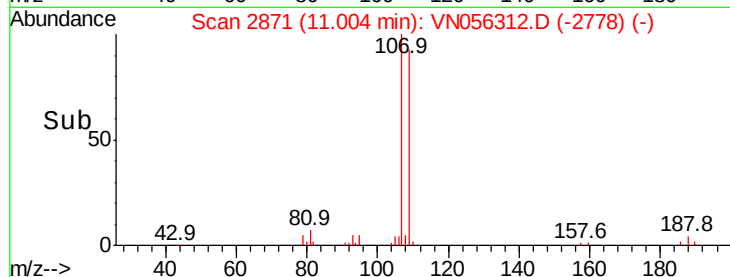
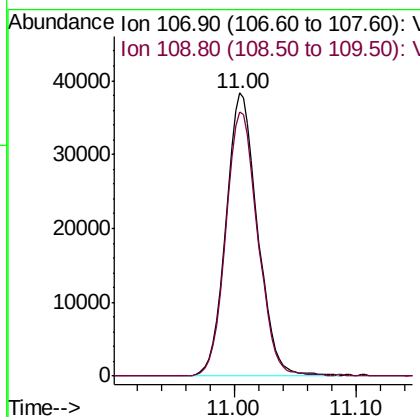
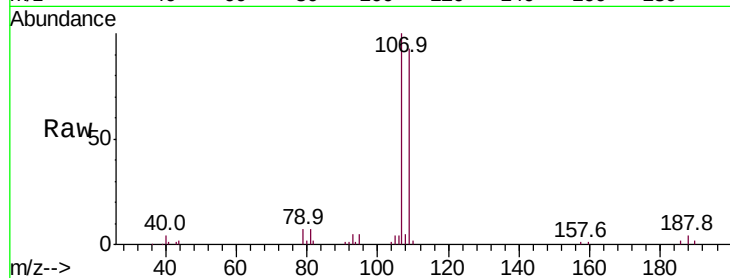
#61  
 1,2-Dibromoethane  
 Concen: 22.530 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

Tot Ion:107 Resp: 69471  
 Ion Ratio Lower Upper  
 107 100  
 109 94.2 74.8 112.2

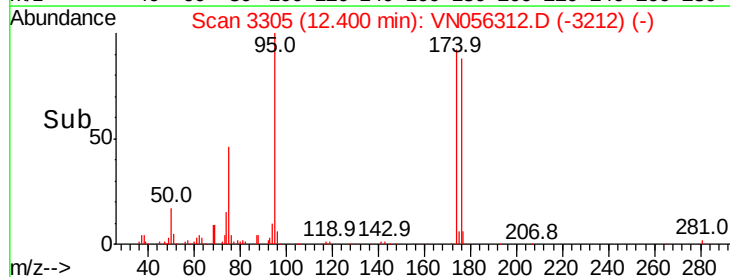
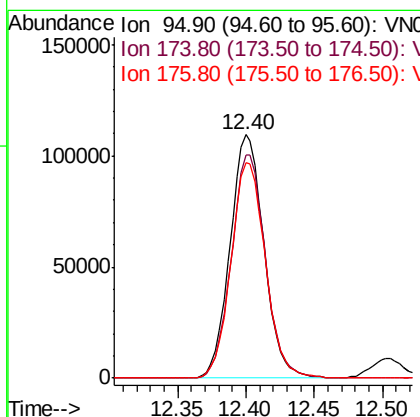
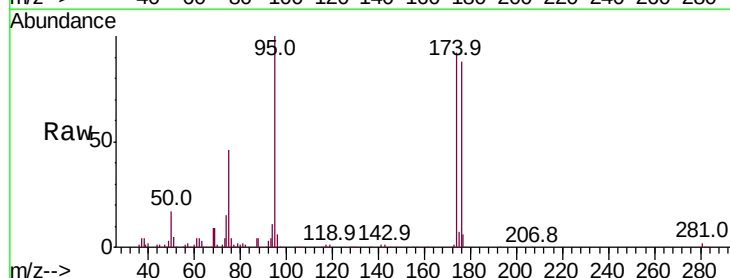
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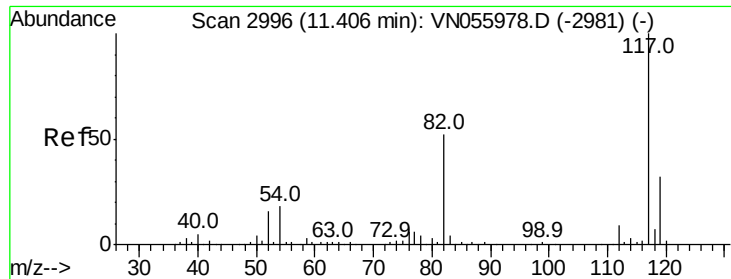
MMDadoda  
 6/17/2019 9:45:38 AM



#62  
 4-Bromofluorobenzene  
 Concen: 50.172 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Tgt Ion: 95 Resp: 188741  
 Ion Ratio Lower Upper  
 95 100  
 174 92.2 0.0 191.0  
 176 89.9 0.0 185.2





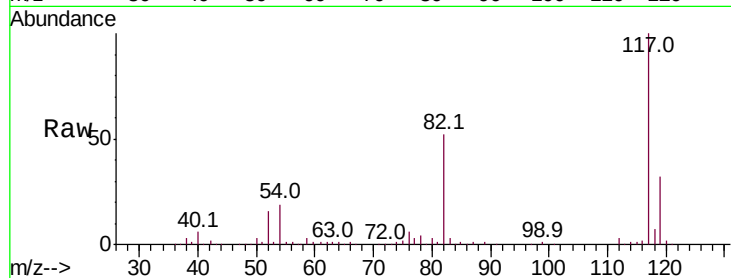
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.0  | 41.8  | 62.8  |
| 119     | 32.2  | 25.4  | 38.0  |

Manual Integrations  
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6/17/2019 9:45:38 AM

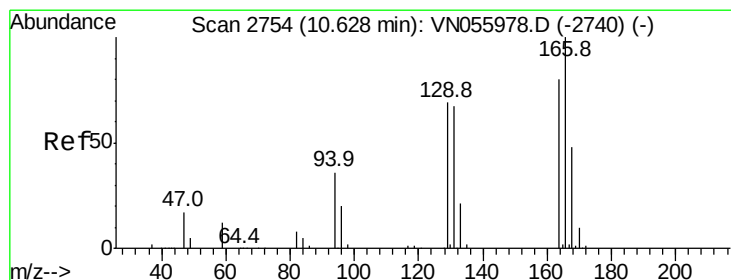
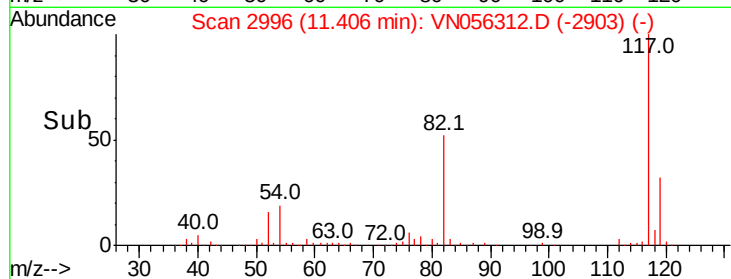
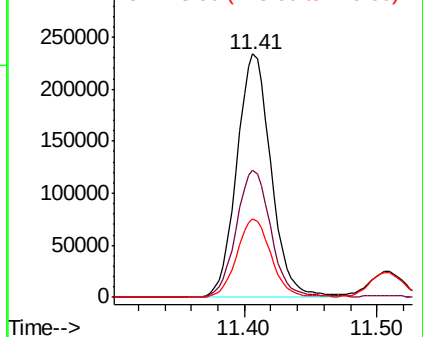


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 18.263 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.0 | 103.0 | 154.6 |
| 129     | 88.7  | 70.6  | 105.8 |
| 131     | 85.9  | 68.6  | 102.8 |

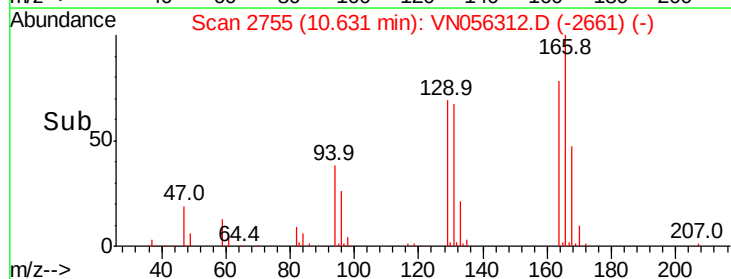
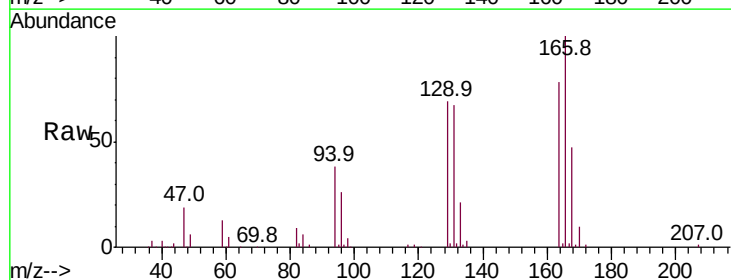
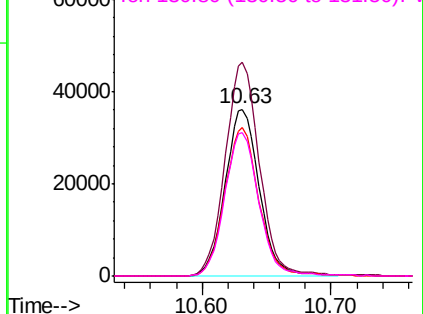
Abundance

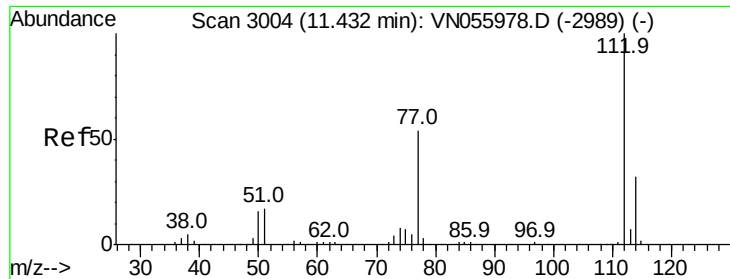
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





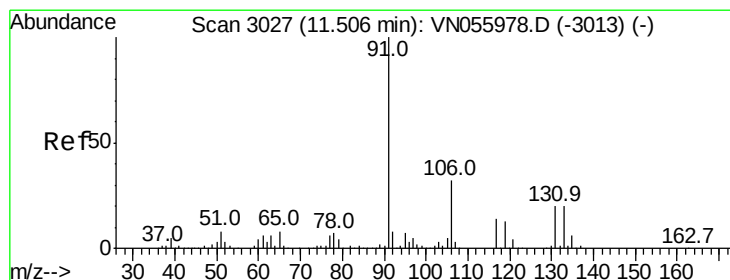
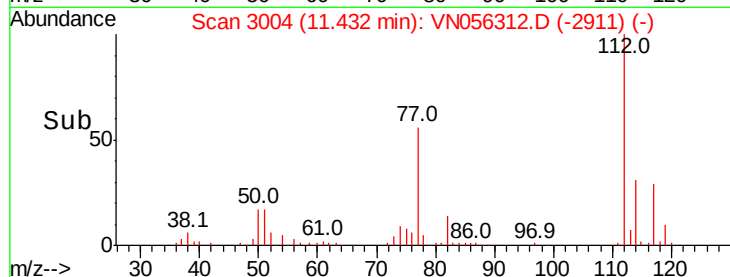
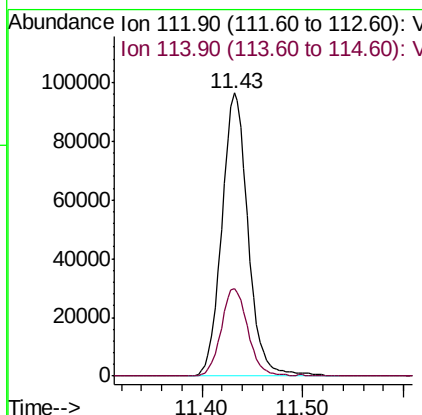
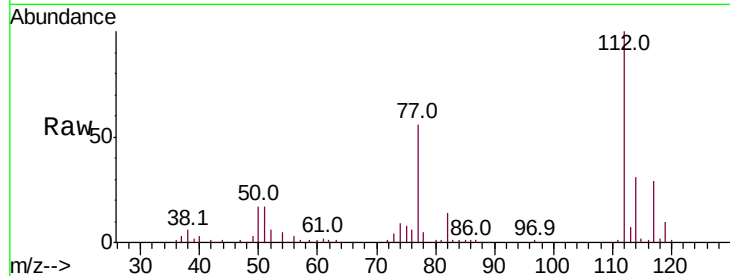
#65  
Chlorobenzene  
Concen: 20.890 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0614WBS02

Tot Ion:112 Resp: 174777  
Ion Ratio Lower Upper  
112 100  
114 31.1 26.2 39.4

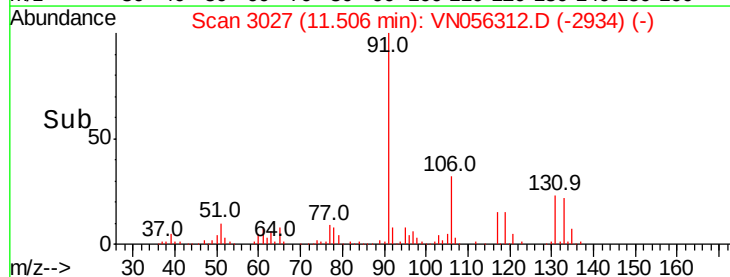
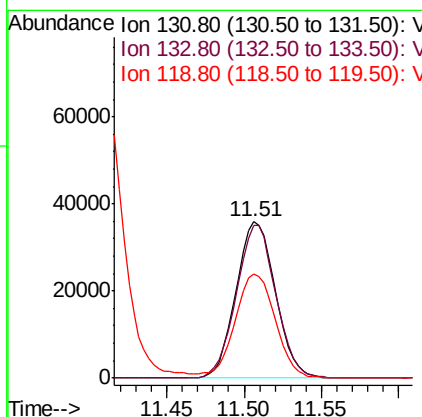
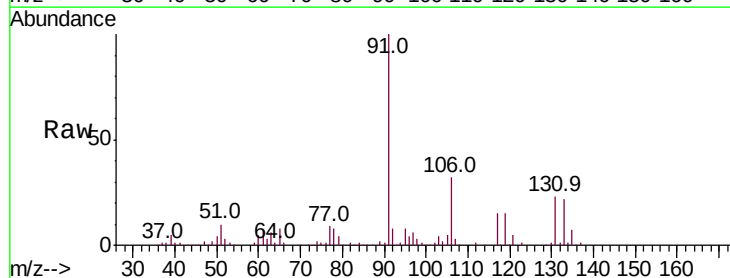
Manual Integrations  
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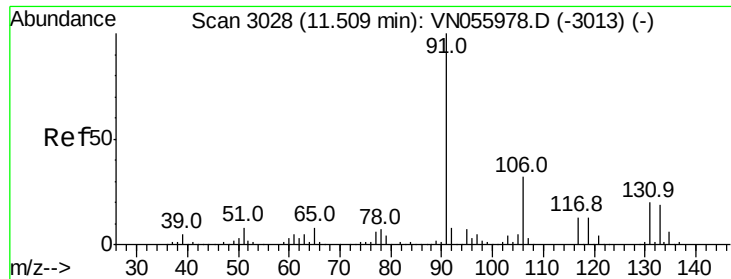
MMDadoda  
6/17/2019 9:45:38 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.009 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Tgt Ion:131 Resp: 63580  
Ion Ratio Lower Upper  
131 100  
133 97.9 48.0 144.0  
119 68.2 33.1 99.5





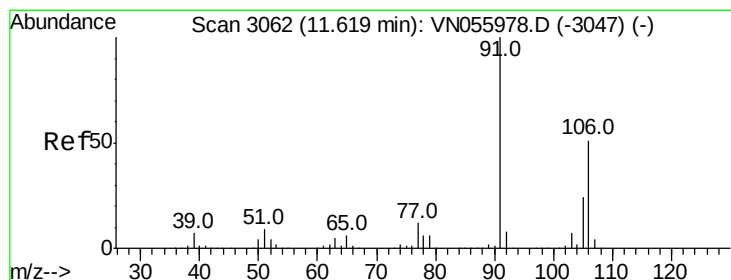
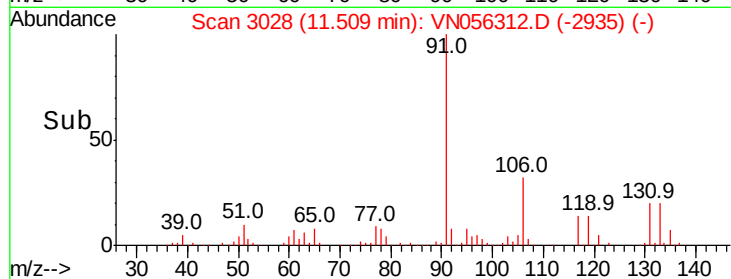
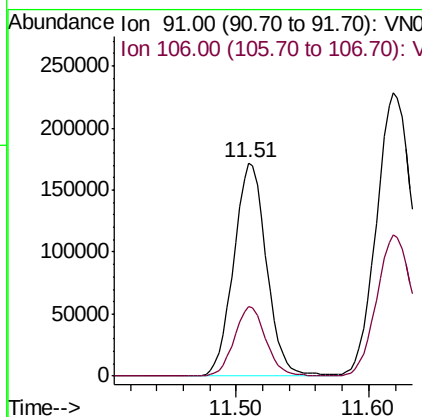
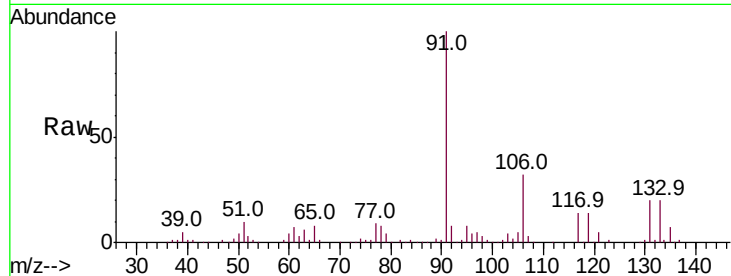
#67  
Ethyl Benzene  
Concen: 20.317 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0614WBS02

Tot Ion: 91 Resp: 295578  
Ion Ratio Lower Upper  
91 100  
106 32.4 25.1 37.7

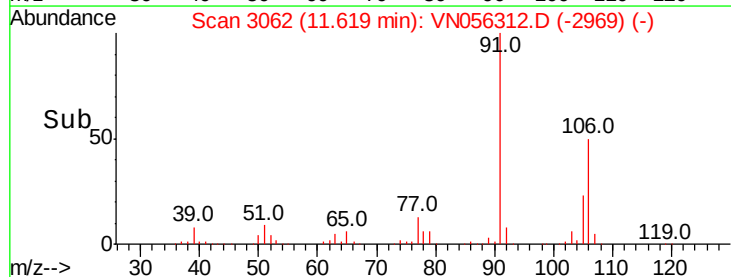
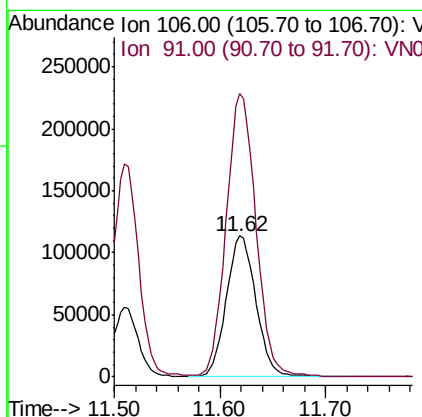
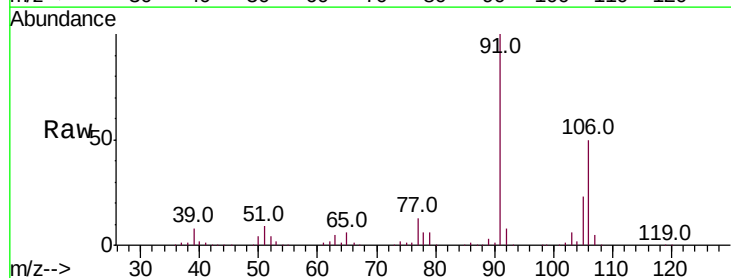
Manual Integrations  
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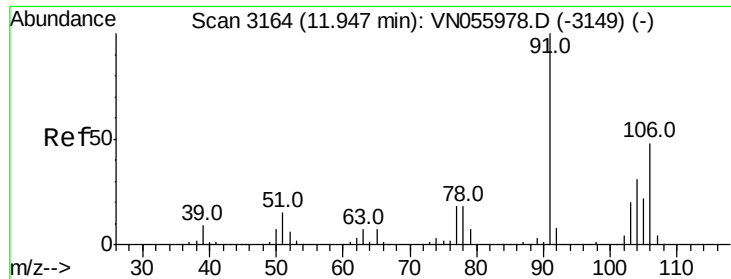
MMDadoda  
6/17/2019 9:45:38 AM



#68  
m/p-Xylenes  
Concen: 39.860 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Tgt Ion: 106 Resp: 221524  
Ion Ratio Lower Upper  
106 100  
91 201.4 159.3 238.9





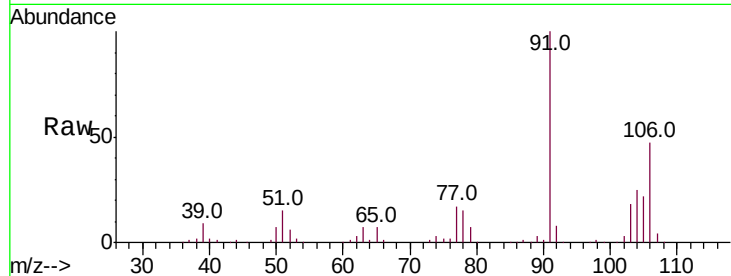
#69  
o-Xylene  
Concen: 20.241 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

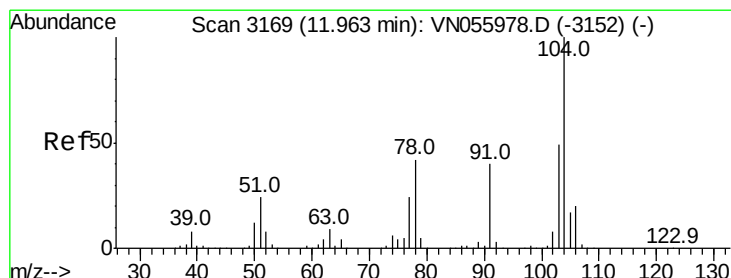
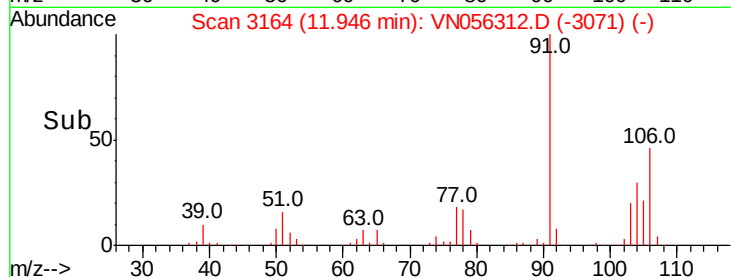
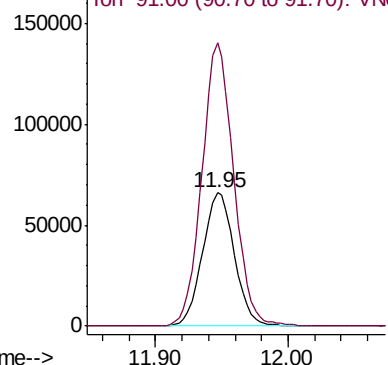
Tot Ion:106 Resp: 110653  
Ion Ratio Lower Upper  
106 100  
91 210.6 104.7 314.1

Manual Integrations  
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MMDadoda  
6/17/2019 9:45:38 AM

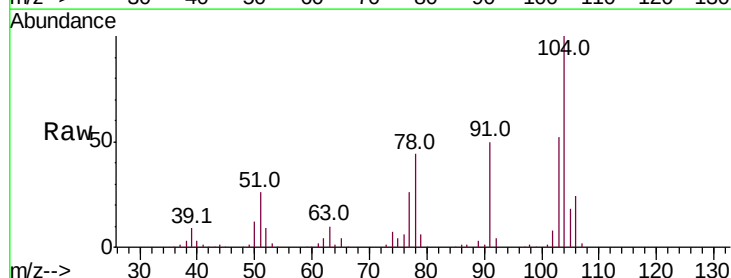


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

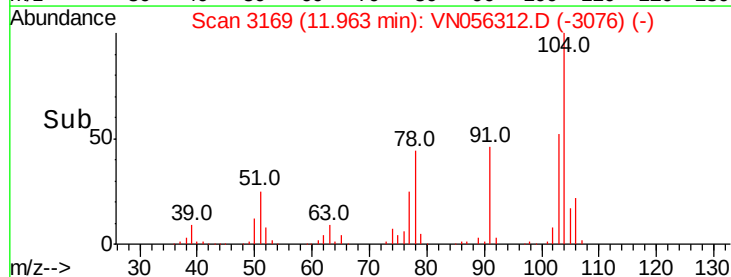
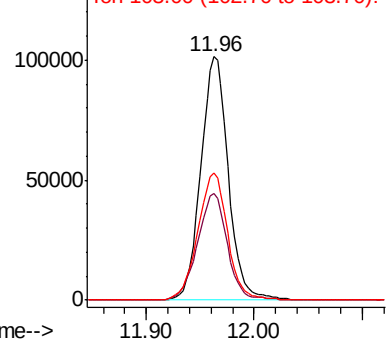


#70  
Styrene  
Concen: 20.738 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

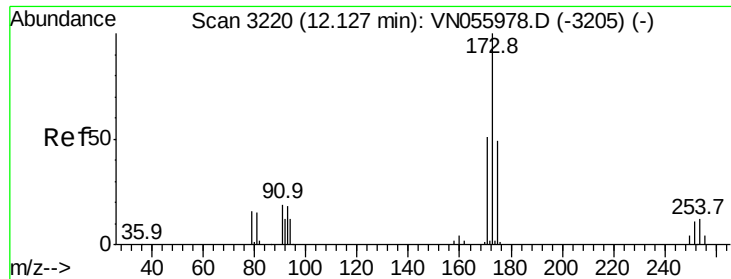
Tgt Ion:104 Resp: 180124  
Ion Ratio Lower Upper  
104 100  
78 47.5 37.8 56.6  
103 56.6 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V







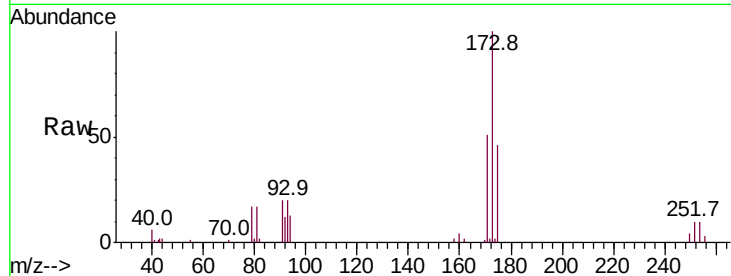
#71  
Bromoform  
Concen: 21.600 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

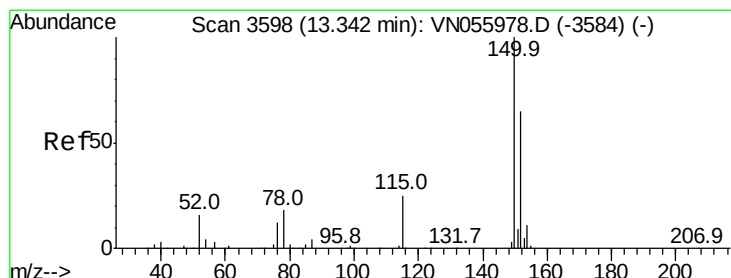
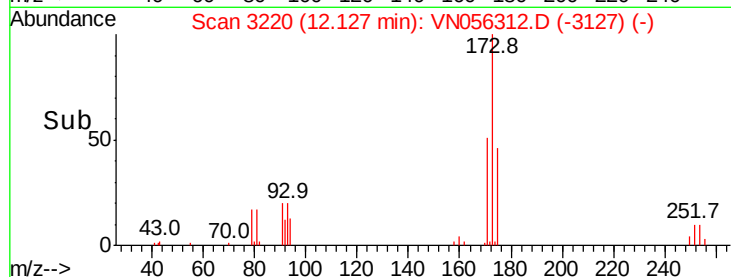
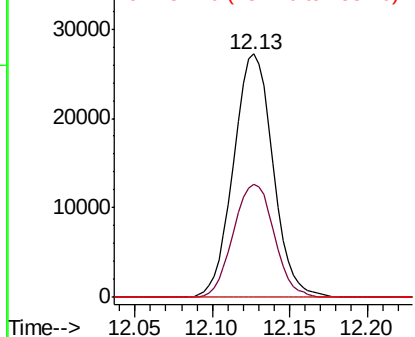
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.9  | 24.3  | 72.8  |
| 254     | 0.0   | 0.0   | 0.0   |

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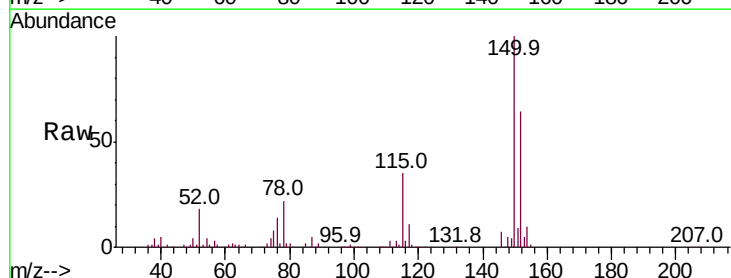


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

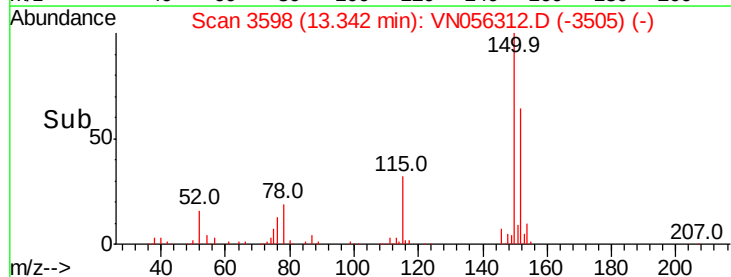
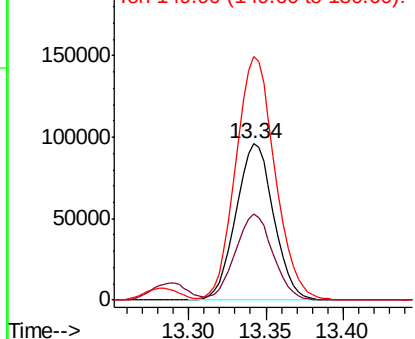


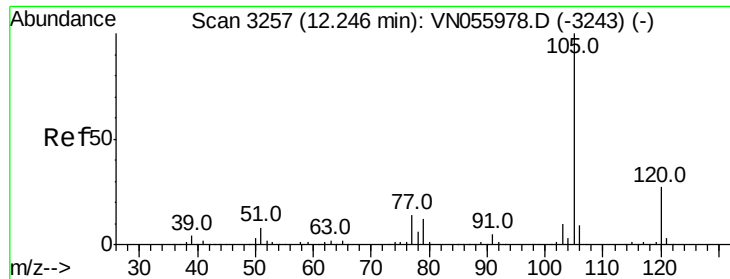
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.0  | 27.0  | 81.0  |
| 150     | 162.1 | 0.0   | 343.2 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.875 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion:105 Resp: 292029

Ion Ratio Lower Upper

105 100

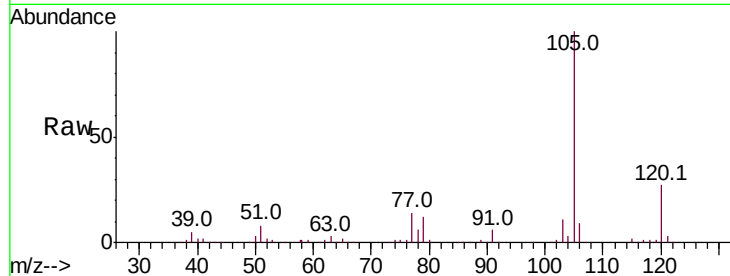
120 27.5 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

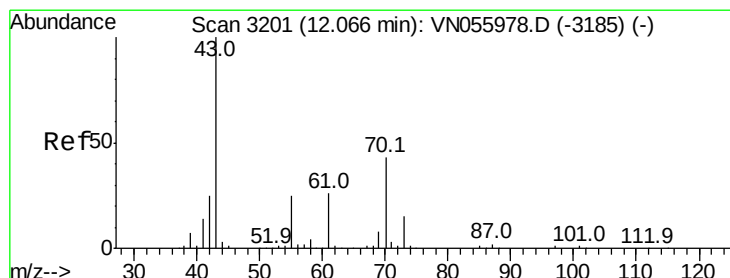
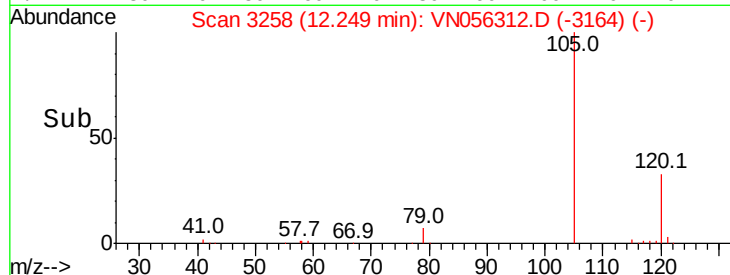
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 24.168 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Tgt Ion: 43 Resp: 104990

Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 26.5 18.6 28.0

61 24.4 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

40000

20000

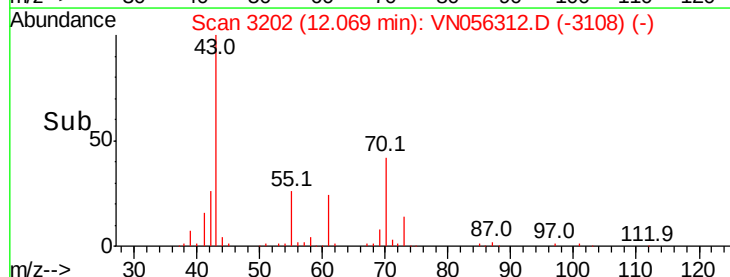
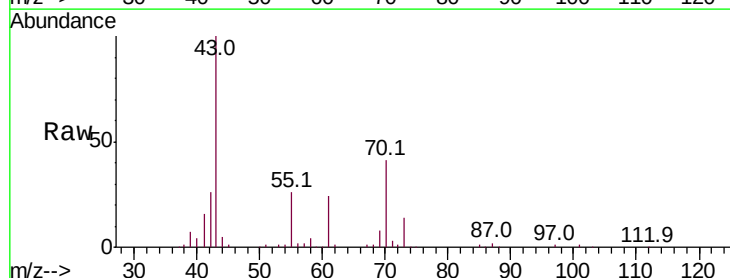
0

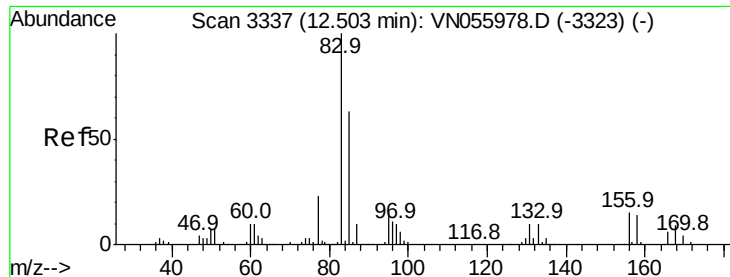
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 25.536 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

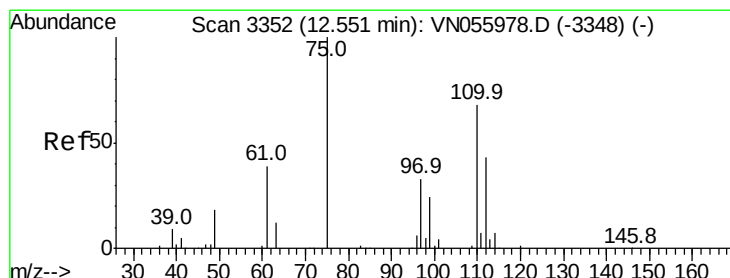
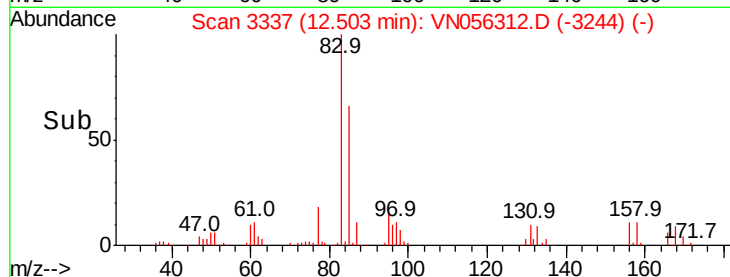
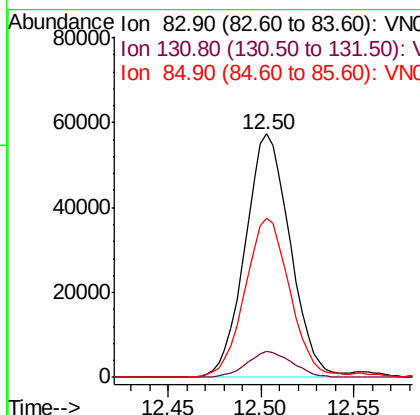
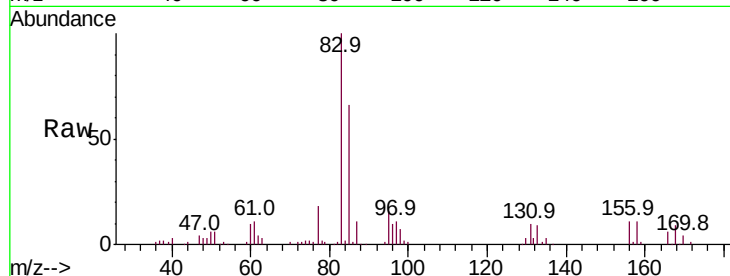
ClientSampleId :

VN0614WBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 96608 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.7  | 5.4   | 16.2  |
| 85        | 65.3  | 32.4  | 97.0  |

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#76

1,2,3-Trichloropropane

Concen: 27.696 ug/l m

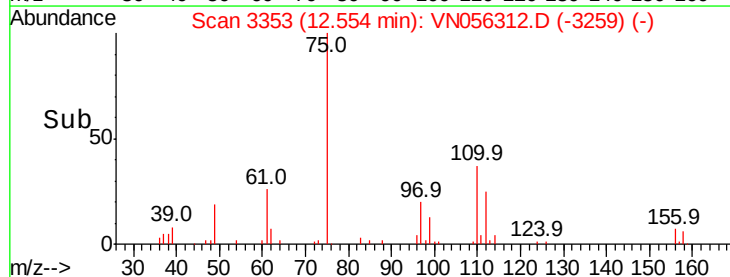
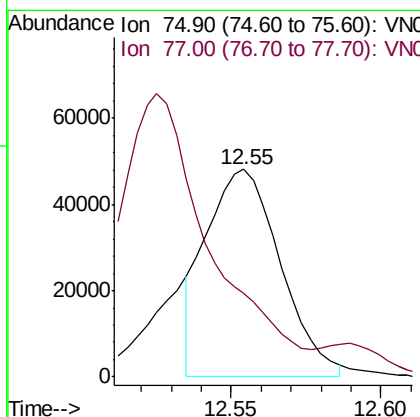
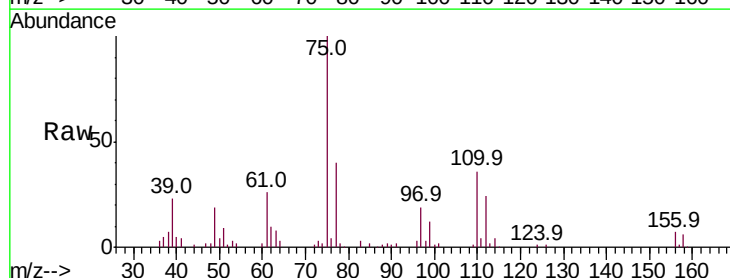
RT: 12.55 min Scan# 3353

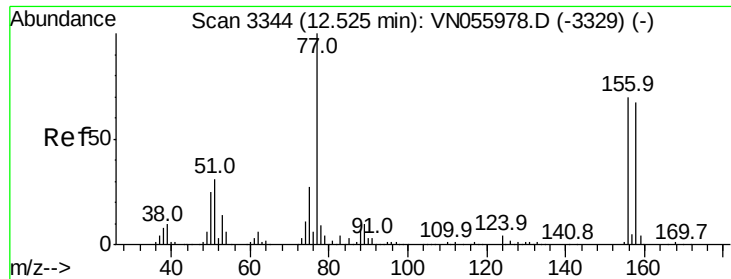
Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 83053 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 22.174 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion:156 Resp: 77368

Ion Ratio Lower Upper

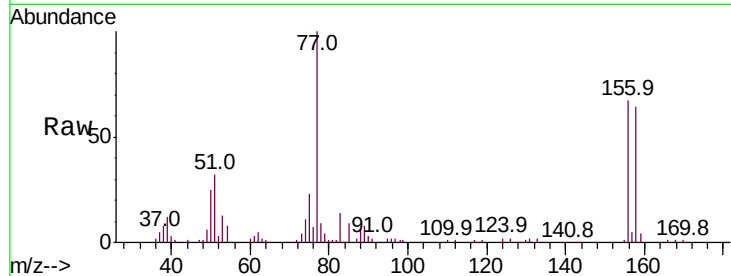
156 100

77 182.6 90.8 272.5

158 97.6 49.3 147.8

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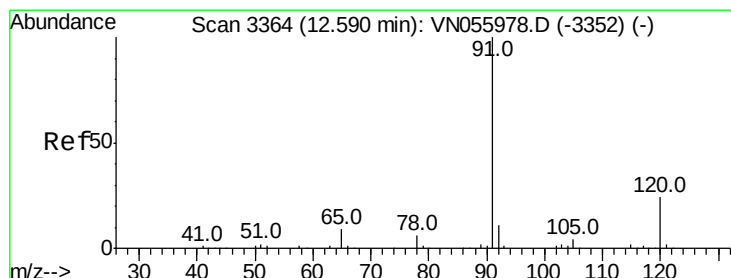
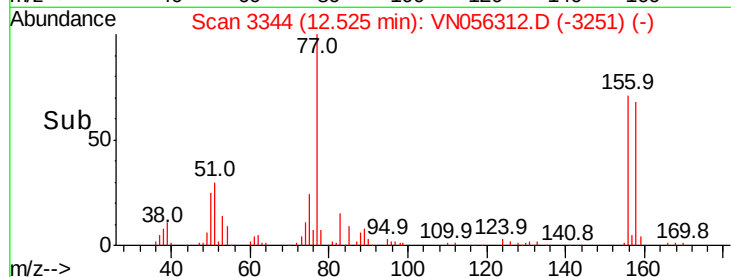
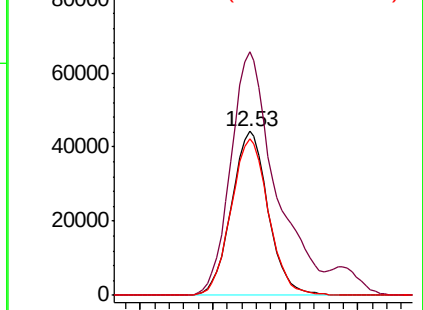
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.931 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056312.D

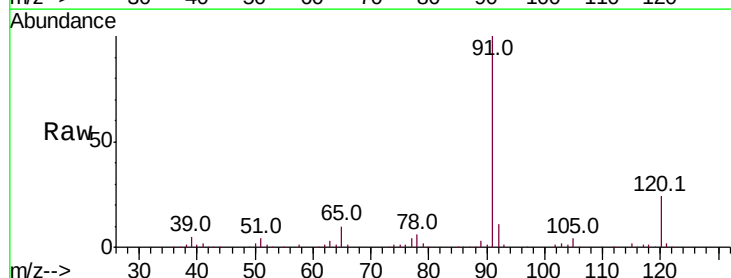
Acq: 14 Jun 2019 15:16

Tgt Ion: 91 Resp: 302360

Ion Ratio Lower Upper

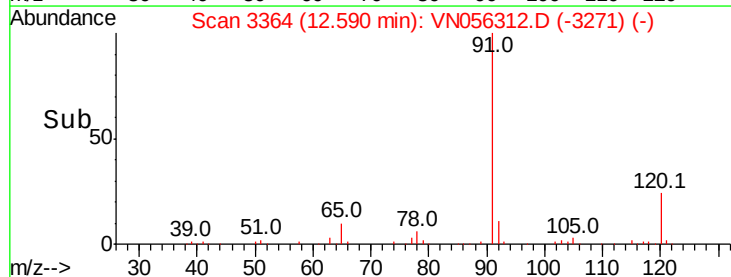
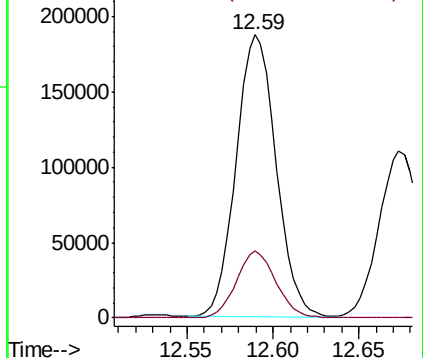
91 100

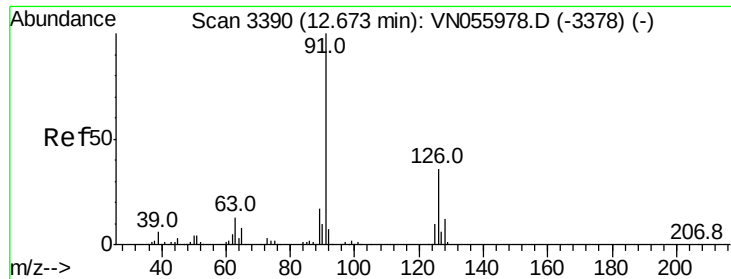
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.445 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 91 Resp: 188721

Ion Ratio Lower Upper

91 100

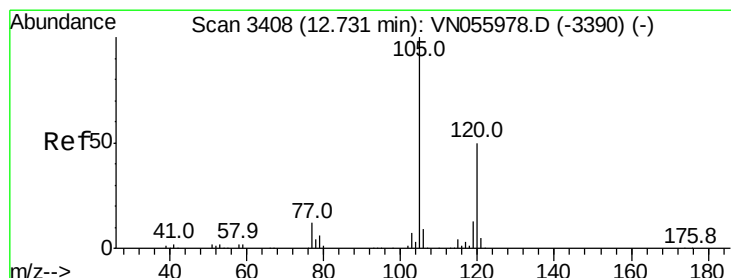
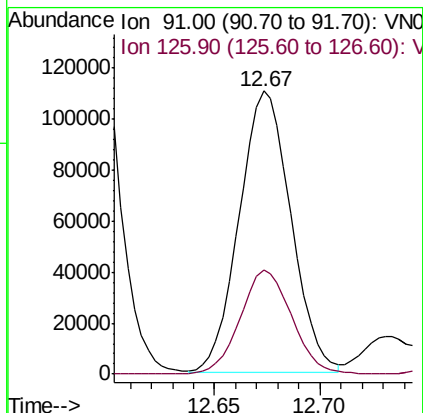
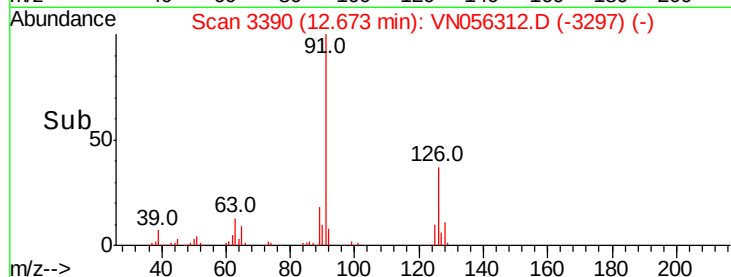
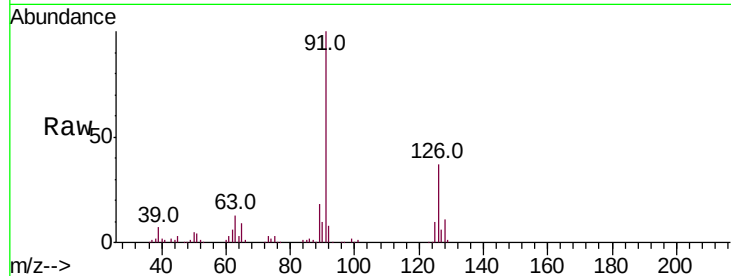
126 36.8 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.631 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056312.D

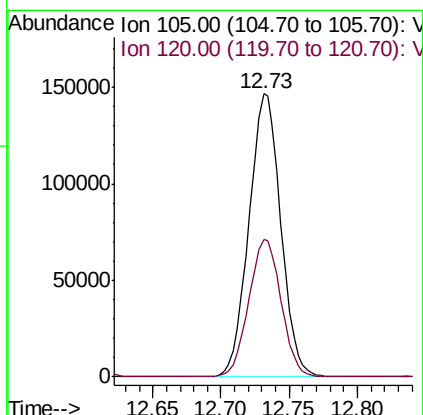
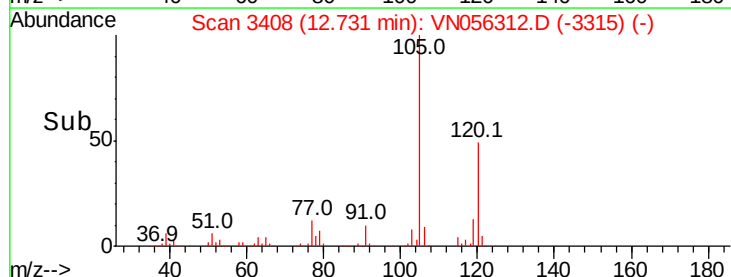
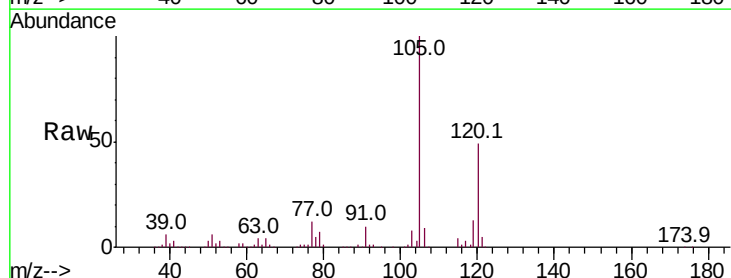
Acq: 14 Jun 2019 15:16

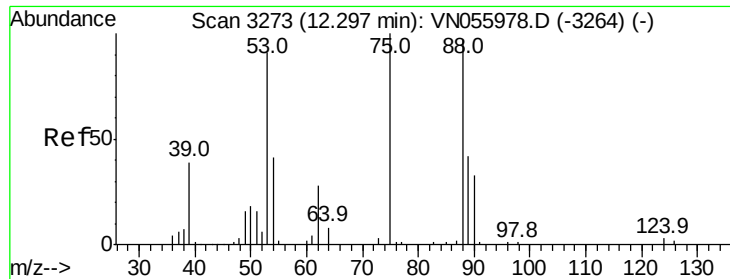
Tgt Ion: 105 Resp: 237014

Ion Ratio Lower Upper

105 100

120 49.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.011 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion: 75 Resp: 19820

Ion Ratio Lower Upper

75 100

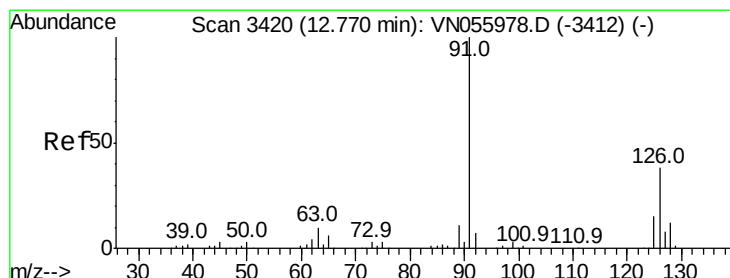
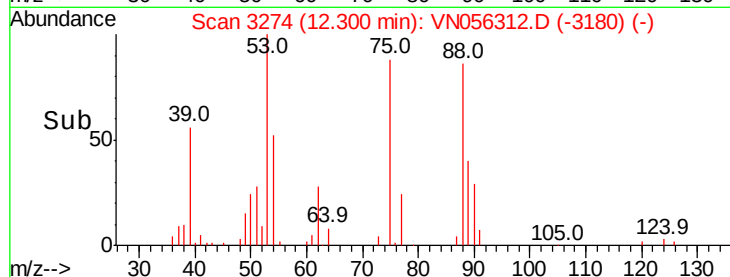
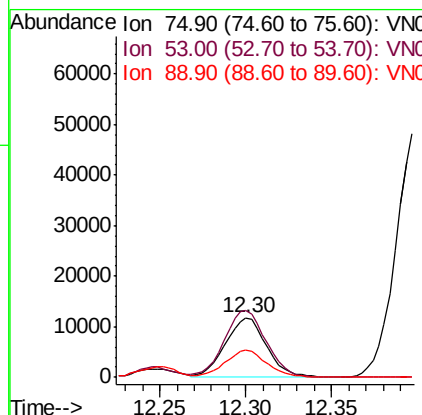
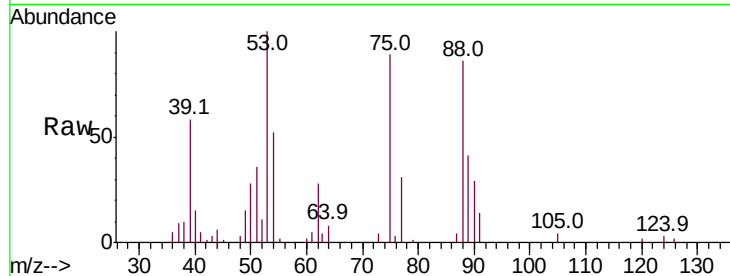
53 113.5 68.1 102.1#

89 45.8 36.9 55.3

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#82

4-Chlorotoluene

Concen: 21.658 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056312.D

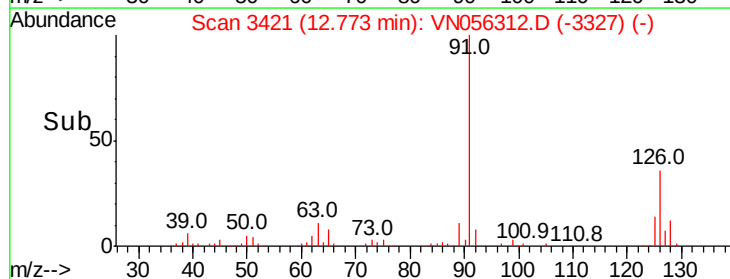
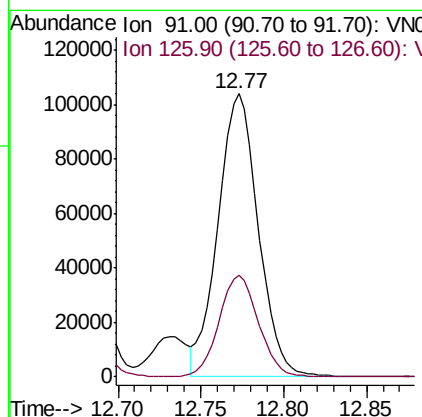
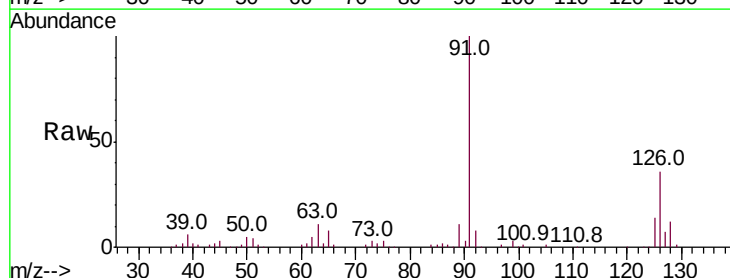
Acq: 14 Jun 2019 15:16

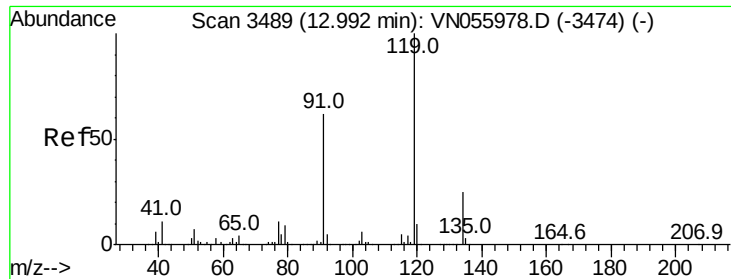
Tgt Ion: 91 Resp: 174693

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.3





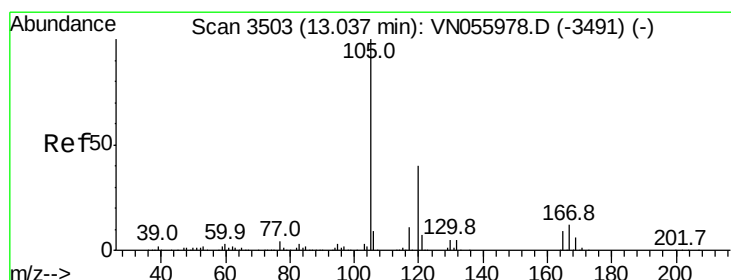
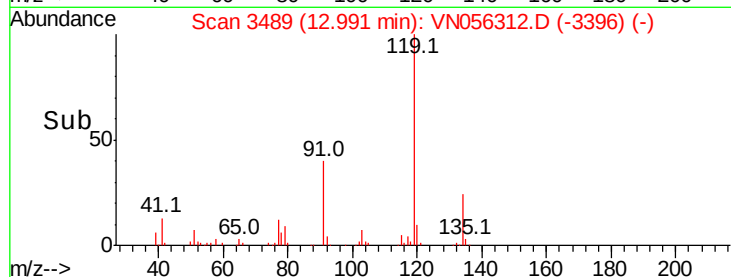
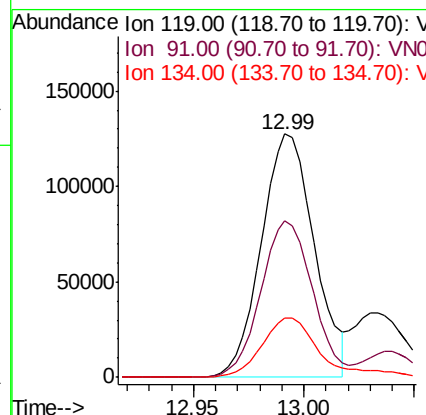
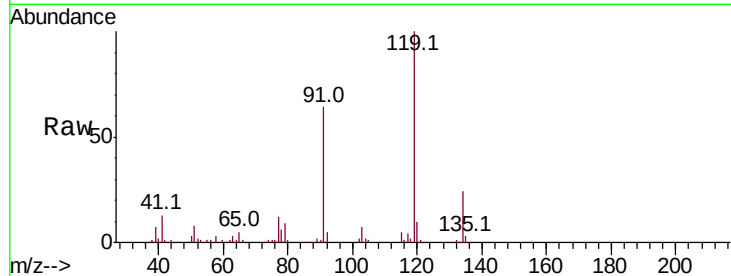
#83  
 tert-Butylbenzene  
 Concen: 23.489 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 211999 |       |       |
| 91      | 62.8  | 30.9   | 92.8  |       |
| 134     | 26.9  | 13.3   | 39.8  |       |

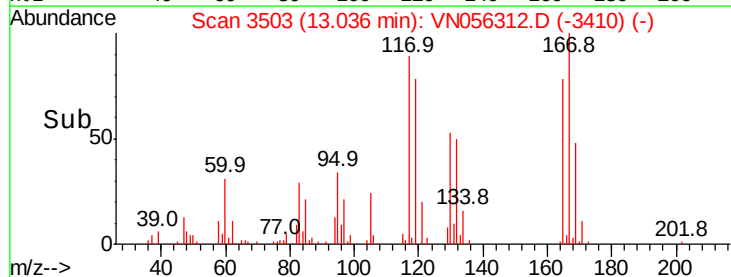
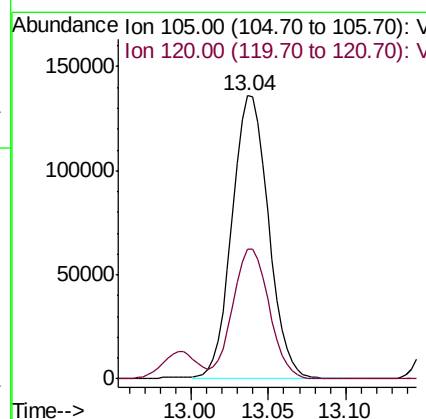
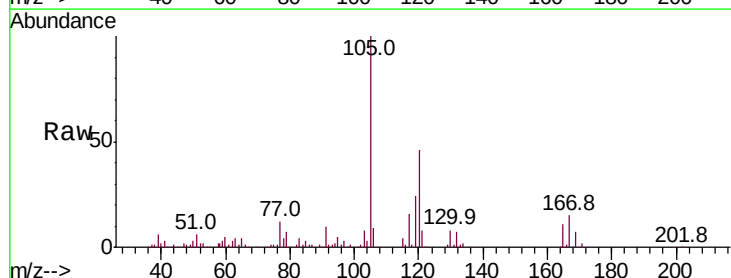
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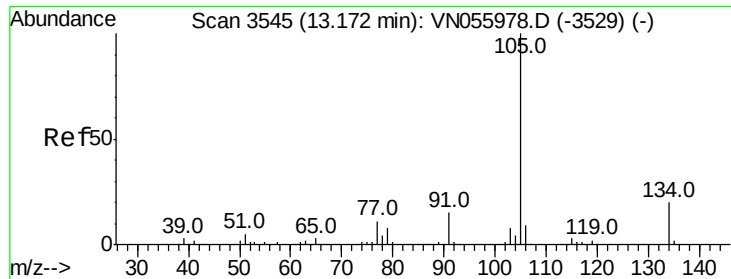
MMDadoda  
 6/17/2019 9:45:38 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.376 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 222114 |       |       |
| 120     | 46.2  | 23.0   | 69.0  |       |





#85

sec-Butylbenzene

Concen: 21.853 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

ClientSampleId :

VN0614WBS02

Tot Ion:105 Resp: 266815

Ion Ratio Lower Upper

105 100

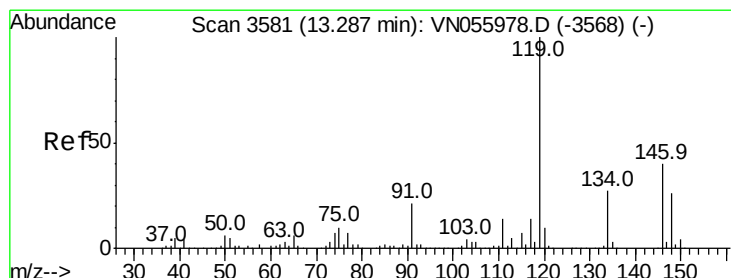
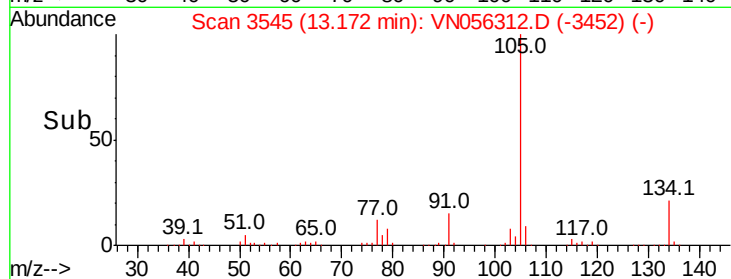
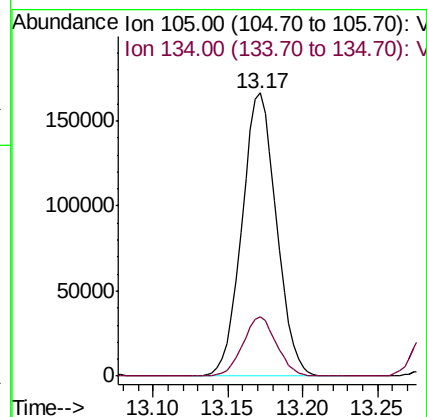
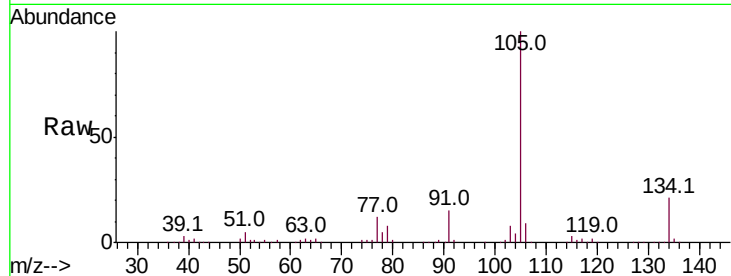
134 20.4 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.922 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

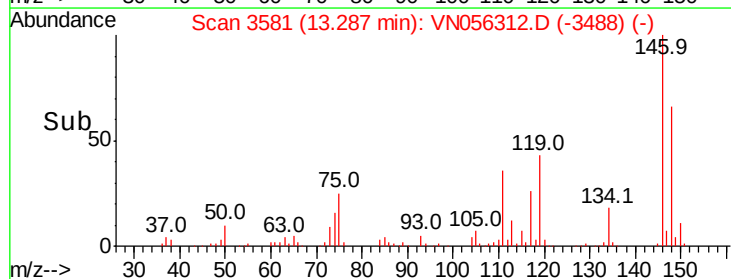
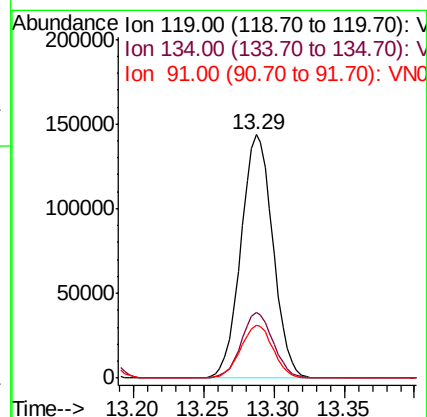
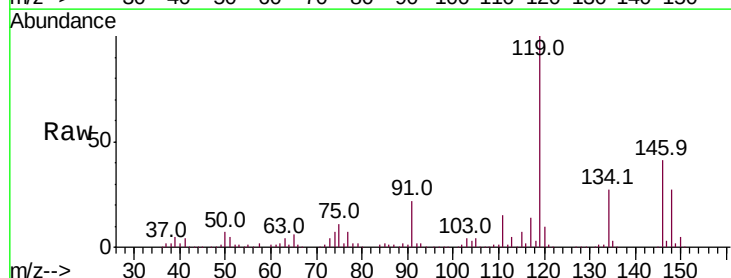
Tgt Ion:119 Resp: 228624

Ion Ratio Lower Upper

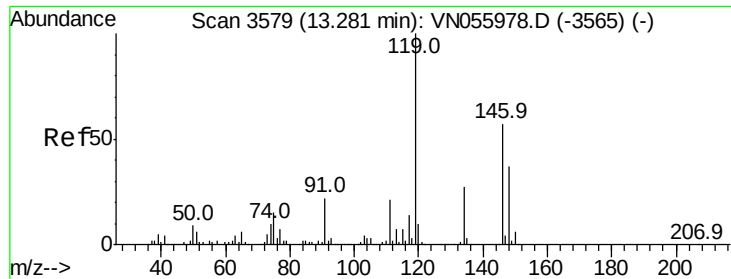
119 100

134 26.9 13.4 40.1

91 21.9 10.9 32.9







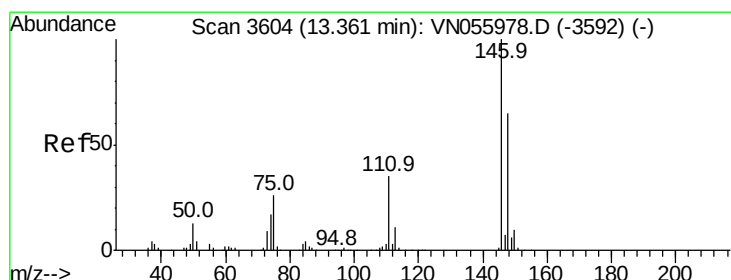
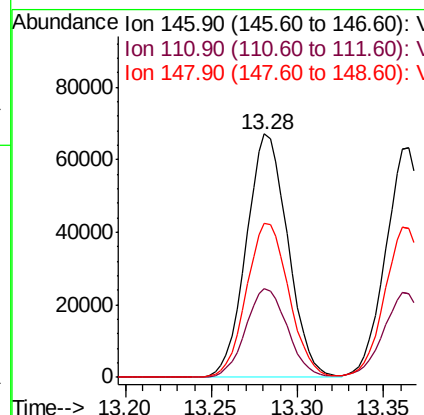
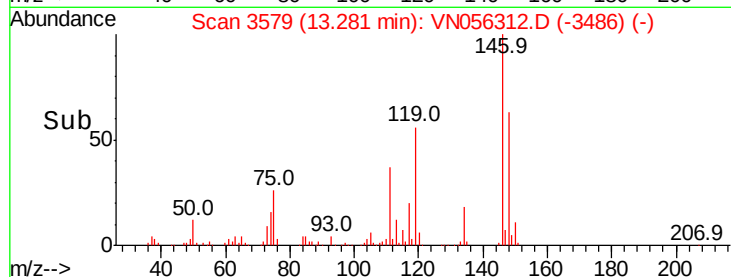
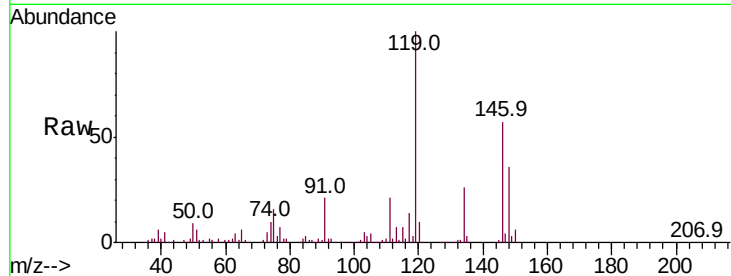
#87  
 1,3-Dichlorobenzene  
 Concen: 20.852 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 18.5  | 55.5  |
| 148     | 64.5  | 32.0  | 96.2  |

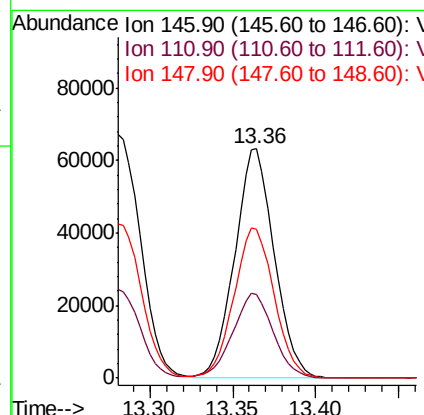
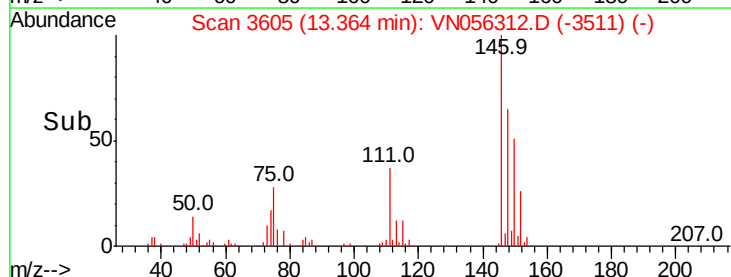
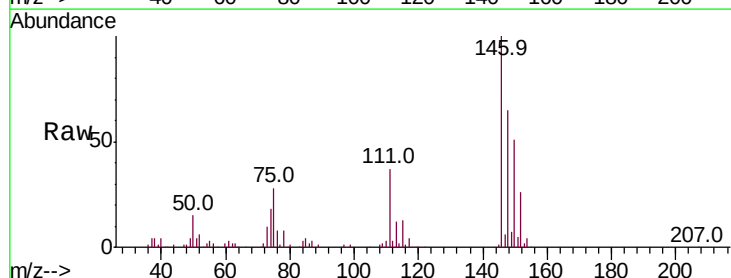
Manual Integrations  
 APPROVED

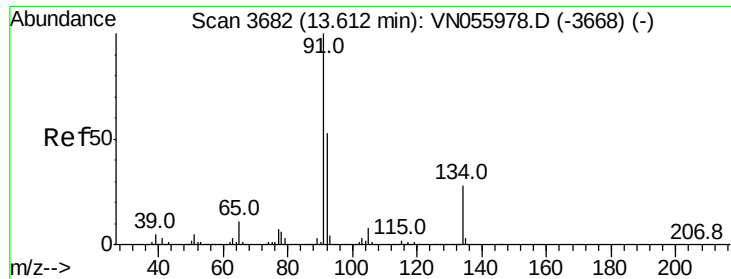
MMDadoda  
 6/17/2019 9:45:38 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.174 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 18.1  | 54.4  |
| 148     | 66.7  | 32.1  | 96.5  |





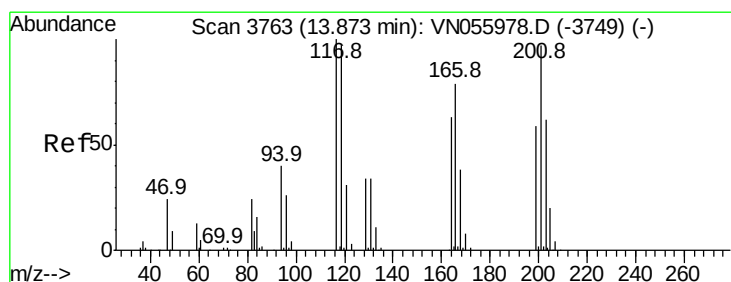
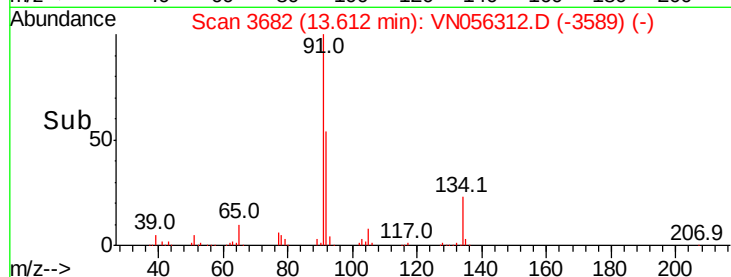
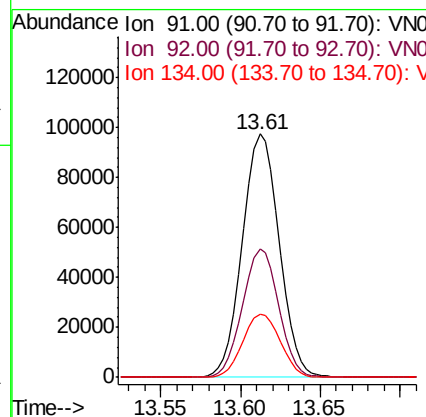
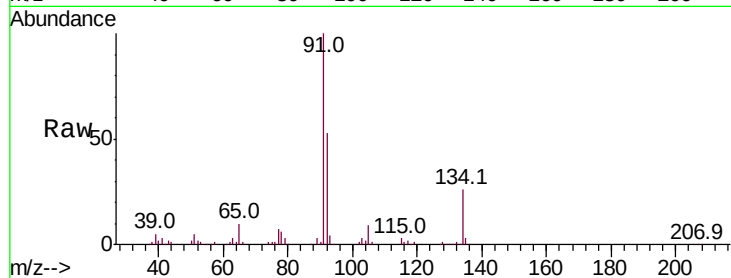
#89  
n-Butylbenzene  
Concen: 18.919 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 26.4  | 79.0  |
| 134     | 26.4  | 13.9  | 41.7  |

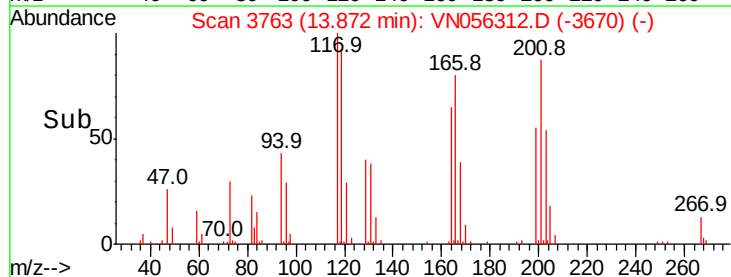
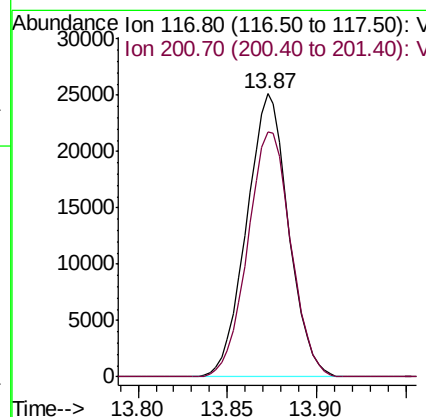
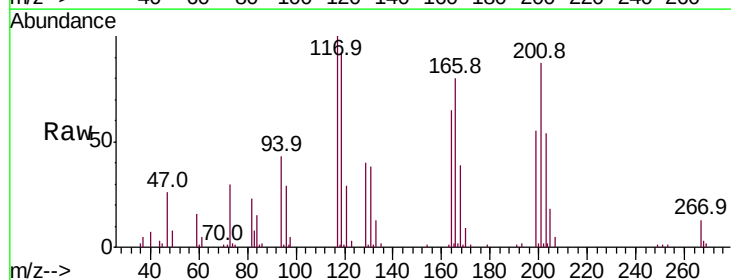
Manual Integrations  
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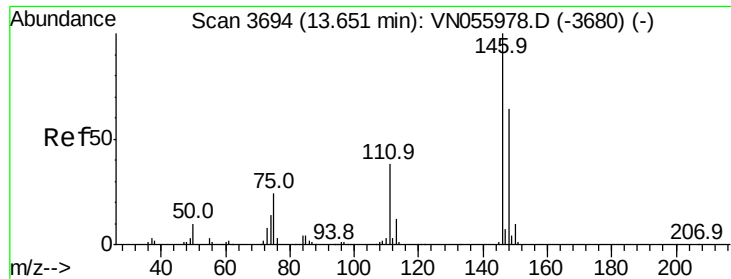
MMDadoda  
6/17/2019 9:45:38 AM



#90  
Hexachloroethane  
Concen: 25.006 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN056312.D  
Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 89.0  | 50.0  | 150.0 |





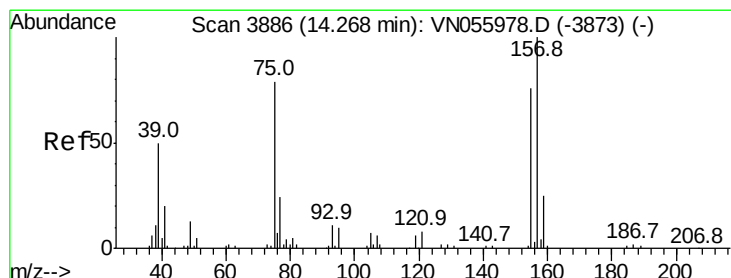
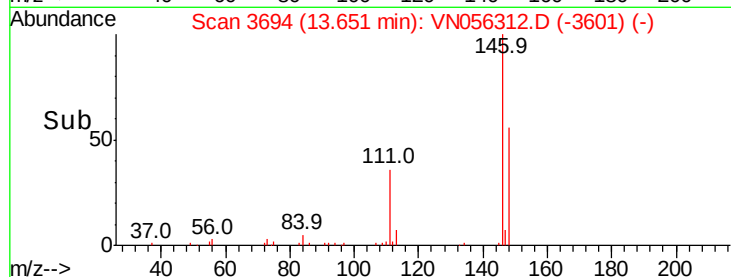
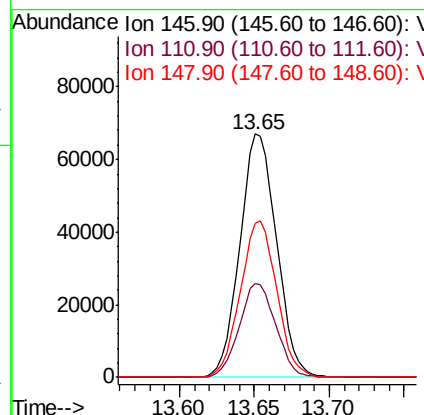
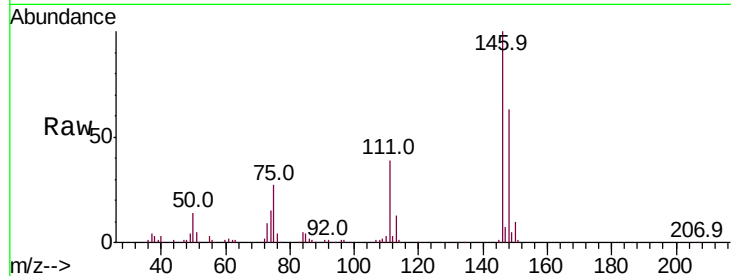
#91  
 1,2-Dichlorobenzene  
 Concen: 21.036 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 19.1  | 57.5  |
| 148     | 63.5  | 31.9  | 95.9  |

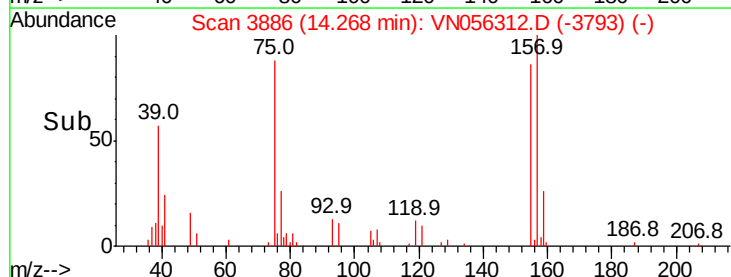
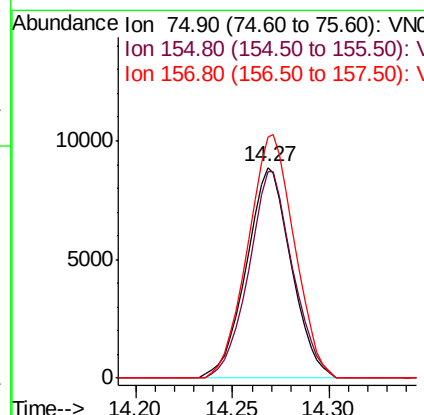
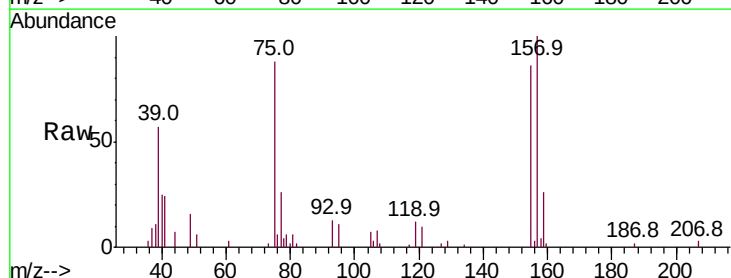
Manual Integrations  
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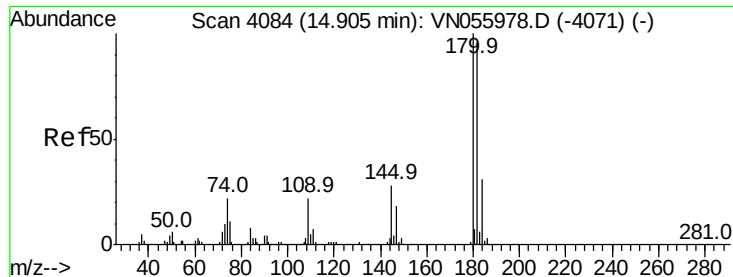
MMDadoda  
 6/17/2019 9:45:38 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 26.401 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN056312.D  
 Acq: 14 Jun 2019 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.3  | 50.0  | 150.1 |
| 157     | 119.9 | 64.8  | 194.3 |





#93

1,2,4-Trichlorobenzene

Concen: 16.034 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

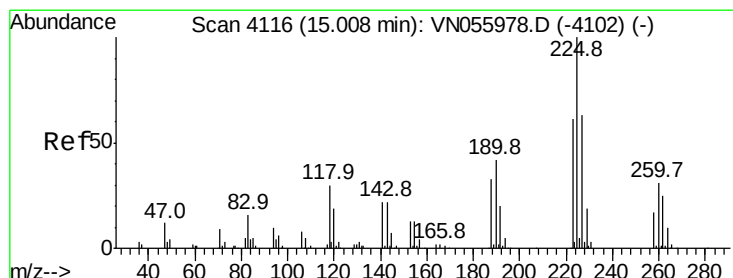
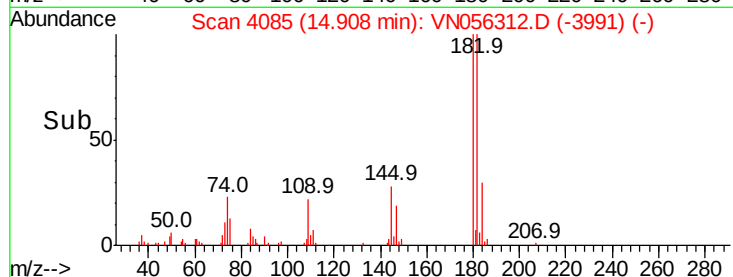
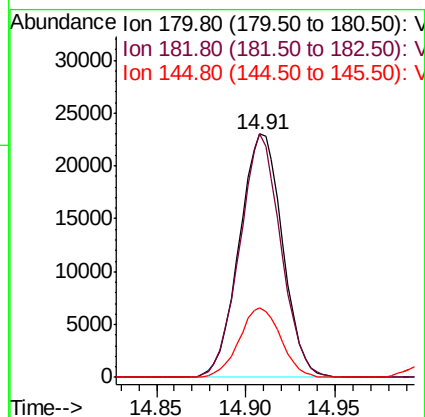
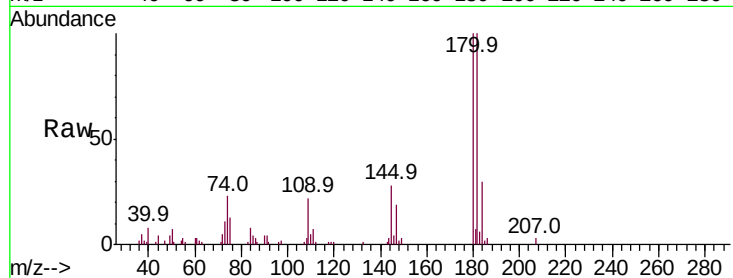
ClientSampleId :

VN0614WBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 38646 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.5  | 48.3  | 144.9 |
| 145       | 27.5  | 14.0  | 41.9  |

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#94

Hexachlorobutadiene

Concen: 20.522 ug/l

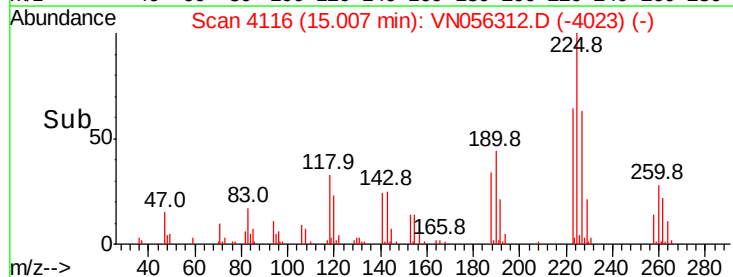
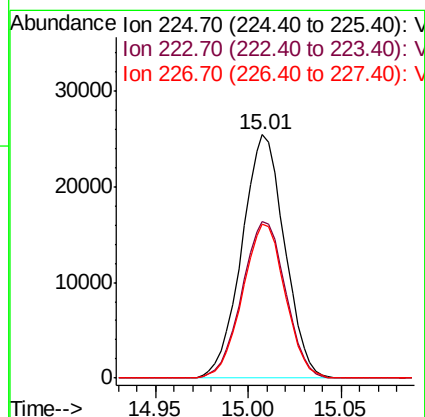
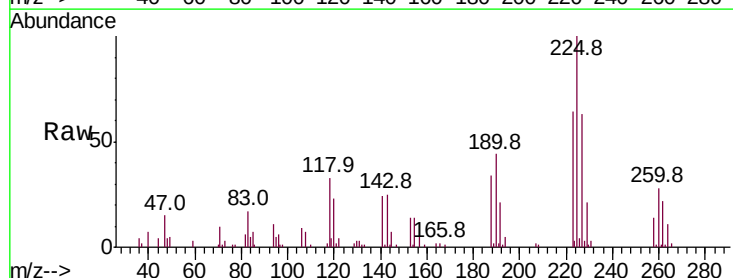
RT: 15.01 min Scan# 4116

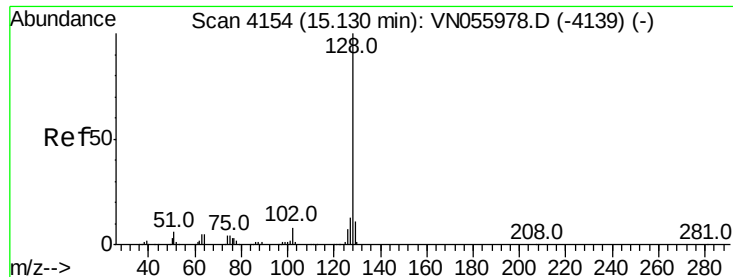
Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 40673 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 65.5  | 30.9  | 92.7  |
| 227       | 63.1  | 31.6  | 94.7  |





#95

Naphthalene

Concen: 16.786 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

Instrument :

MSVOA\_N

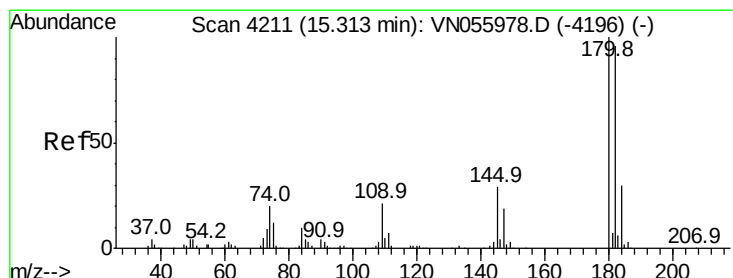
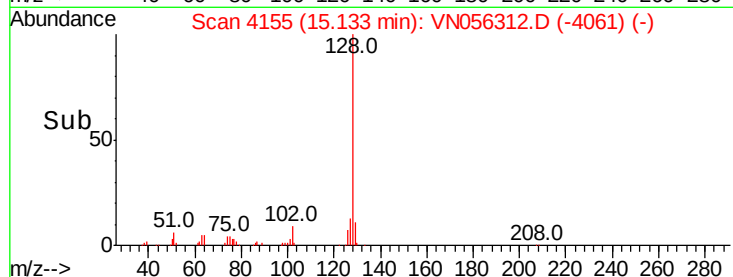
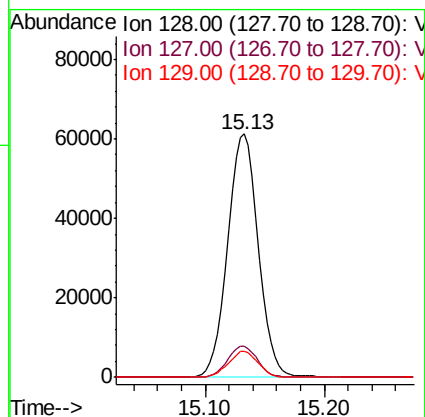
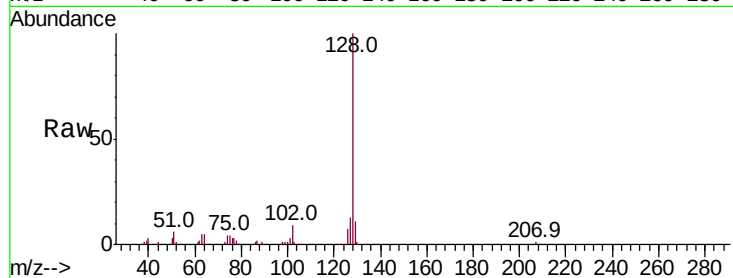
ClientSampleId :

VN0614WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 109241 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.5  | 10.3  | 15.5   |
| 129       | 10.3  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 17.596 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056312.D

Acq: 14 Jun 2019 15:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 47473 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.5  | 47.9  | 143.7 |
| 145       | 30.1  | 14.9  | 44.7  |

