

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
 Data File : VN054417.D  
 Acq On : 19 Mar 2019 2:45  
 Operator : JC/SP  
 Sample : VN0318MBS02  
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318MBS02

Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2019 9:22:55 AM

Quant Time: Mar 19 07:32:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1160810  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1824846  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1592255  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 706490   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 644089   | 52.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.50% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 613401   | 52.12 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.24% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2164278  | 49.79 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 726706   | 47.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.56%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 221218   | 20.108  | ug/l  | 98     |
| 3) Chloromethane              | 2.06 | 50   | 223307   | 20.896  | ug/l  | 98     |
| 4) Vinyl Chloride             | 2.19 | 62   | 239458   | 19.605  | ug/l  | 100    |
| 5) Bromomethane               | 2.57 | 94   | 143081   | 16.913  | ug/l  | 98     |
| 6) Chloroethane               | 2.71 | 64   | 143282   | 19.388  | ug/l  | 96     |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 308416   | 18.992  | ug/l  | 98     |
| 8) Diethyl Ether              | 3.41 | 74   | 158921   | 21.475  | ug/l  | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101  | 242368   | 19.916  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.94 | 142  | 298101   | 18.230  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 4.82 | 59   | 85529    | 101.203 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96   | 241625   | 20.036  | ug/l  | 100    |
| 13) Acrolein                  | 3.61 | 56   | 47088    | 58.799  | ug/l  | 97     |
| 14) Allyl chloride            | 4.31 | 41   | 305163   | 19.723  | ug/l  | 98     |
| 15) Acrylonitrile             | 4.99 | 53   | 406410   | 117.069 | ug/l  | 99     |
| 16) Acetone                   | 3.82 | 43   | 275956   | 78.180  | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.04 | 76   | 486398   | 16.089  | ug/l  | 98     |
| 18) Methyl Acetate            | 4.33 | 43   | 194772   | 27.274  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 669578   | 22.400  | ug/l  | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 270183   | 23.312  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96   | 238199   | 20.615  | ug/l  | 99     |
| 22) Diisopropyl ether         | 5.96 | 45   | 685449   | 22.196  | ug/l  | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 2372238  | 104.188 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 440805   | 22.231  | ug/l  | 99     |
| 25) 2-Butanone                | 6.85 | 43   | 459653   | 110.951 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 6.83 | 77   | 230057   | 13.194  | ug/l  | 97     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 291808   | 22.637  | ug/l  | 94     |
| 28) Bromochloromethane        | 7.19 | 49   | 177580   | 21.907  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 314716   | 118.150 | ug/l  | 99     |
| 30) Chloroform                | 7.37 | 83   | 473659   | 22.893  | ug/l  | 99     |
| 31) Cyclohexane               | 7.65 | 56   | 370997   | 19.258  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 383128   | 20.503  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 329034   | 19.579  | ug/l  | 100    |
| 37) Ethyl Acetate             | 6.94 | 43   | 200780   | 20.793  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 333438   | 18.920  | ug/l  | 99     |

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 Sample : VN0318MBS02  
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0318MBS02

Manual Integrations  
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MMDadoda  
 3/19/2019 9:22:55 AM

Quant Time: Mar 19 07:32:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 363448   | 17.578  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 1027684  | 21.370  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.18  | 41   | 111538   | 20.231  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 340499   | 20.972  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 338792   | 19.989  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 300586   | 20.121  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 256963   | 21.519  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 169442   | 21.001  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 331764   | 20.511  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.20  | 41   | 182428   | 21.209  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.21  | 88   | 55546    | 456.546 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1004533  | 111.993 | ug/l   | 98       |
| 52) Toluene                    | 10.16 | 92   | 644170   | 21.126  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 277667   | 16.399  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 345908   | 18.352  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 249607   | 22.419  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 289550   | 21.810  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 400125   | 21.978  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 557257   | 107.068 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 636821   | 106.700 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 248587   | 19.836  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 245049   | 21.658  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 314939   | 20.458  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 737884   | 21.106  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 263068   | 20.713  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1188550  | 20.508  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 931431   | 41.120  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 467141   | 21.155  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 731292   | 21.117  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 156528   | 17.758  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1209643  | 21.401  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 271676   | 21.654  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 283008   | 23.500  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 245874m  | 23.666  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 323788   | 21.648  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1277703  | 20.833  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 796140   | 21.589  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 982064   | 20.888  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 41936    | 13.798  | ug/l # | 79       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 774755   | 21.040  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 899167   | 20.778  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 973337   | 21.102  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1118762  | 19.935  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 960940   | 19.517  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 530772   | 21.060  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 509030   | 20.560  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 690479   | 18.457  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 141135   | 17.311  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 543123   | 22.044  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 39318    | 21.099  | ug/l   | 98       |

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Sample : VN0318MBS02  
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 247674   | 18.329 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 158927   | 16.935 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 546789   | 19.891 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 256983   | 19.631 | ug/l  | 100      |

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

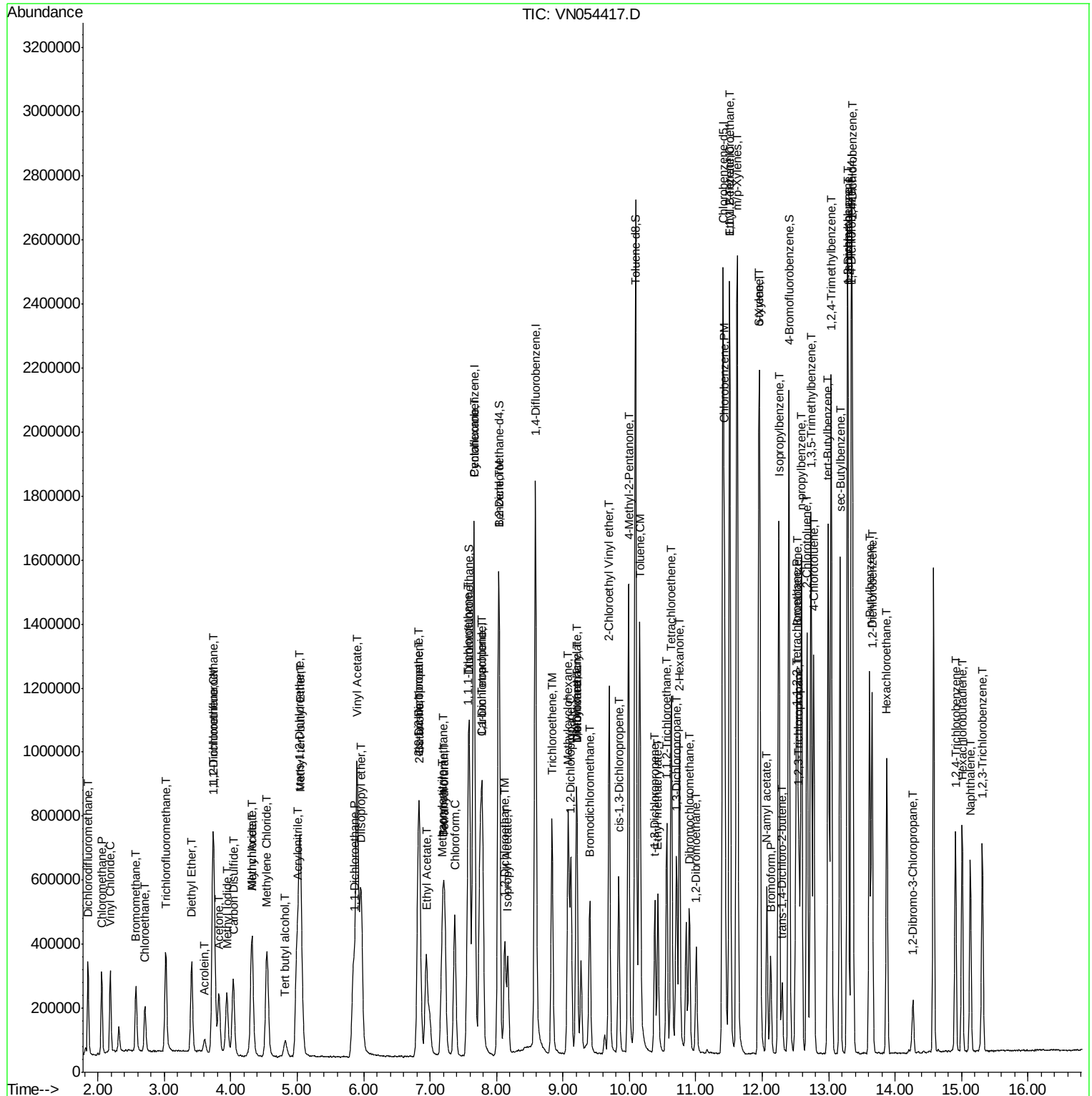
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
Data File : VN054417.D  
Acq On : 19 Mar 2019 2:45  
Operator : JC/SP  
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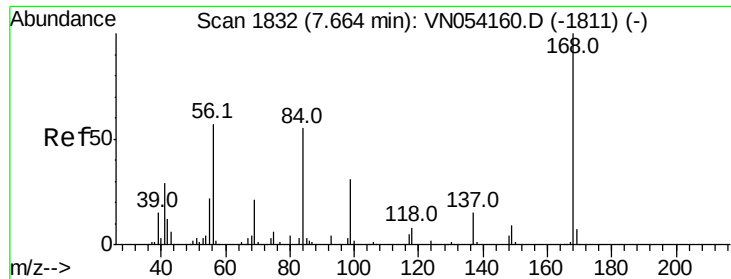
Instrument :  
MSVOA\_N  
Client Sample Id :  
VN0318MBS02

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Quant Title : SW846 8260  
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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: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion:168 Resp: 1160810

Ion Ratio Lower Upper

168 100

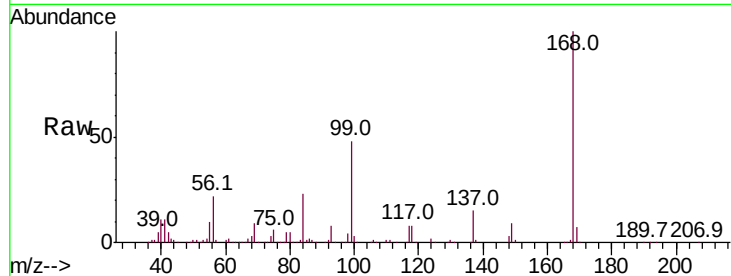
99 46.8 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:22:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

500000

400000

300000

200000

100000

0

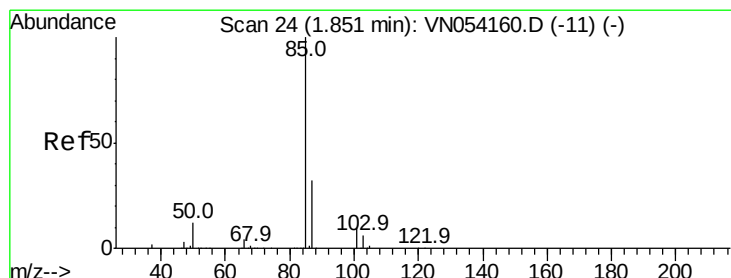
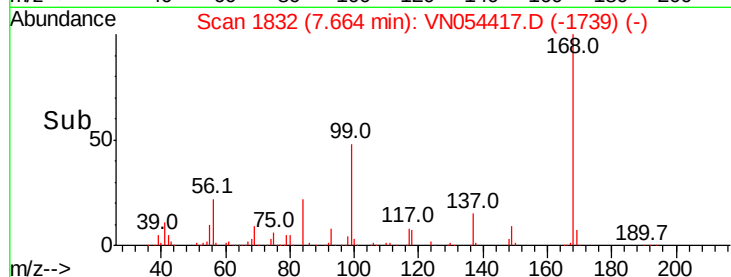
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.108 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054417.D

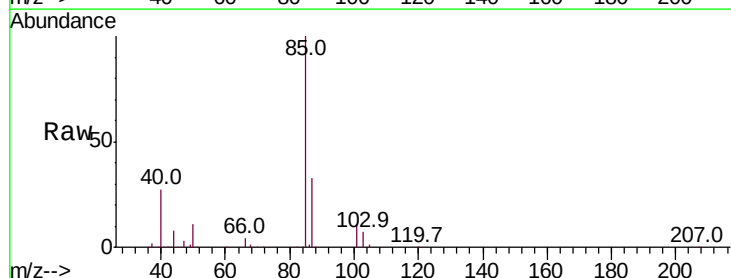
Acq: 19 Mar 2019 2:45

Tgt Ion: 85 Resp: 221218

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

100000

50000

0

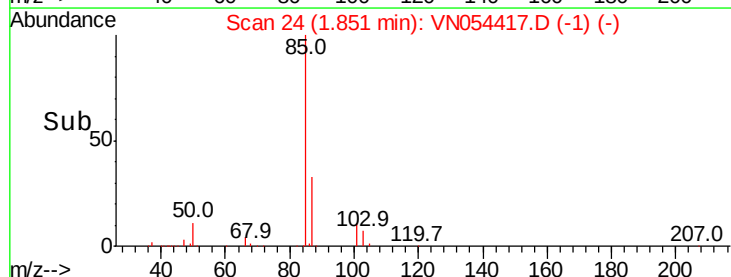
1.80

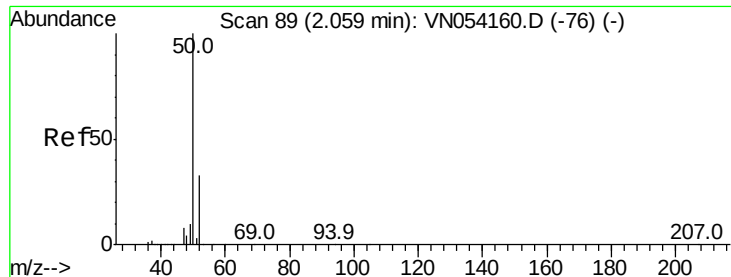
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 20.896 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 50 Resp: 223307

Ion Ratio Lower Upper

50 100

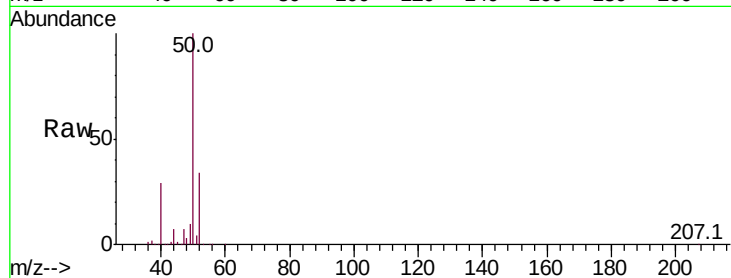
52 33.9 26.4 39.6

Manual Integrations

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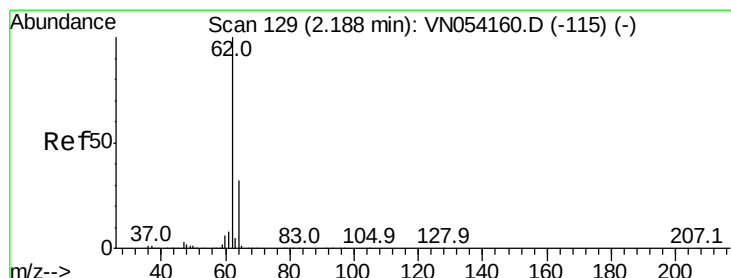
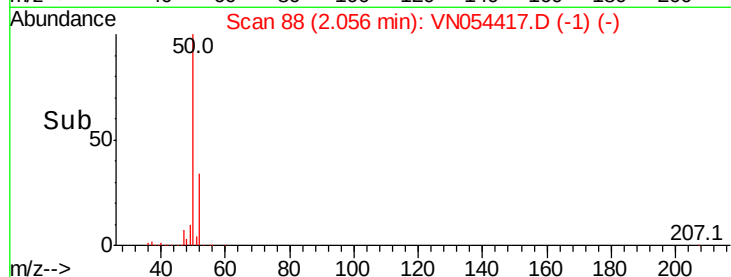
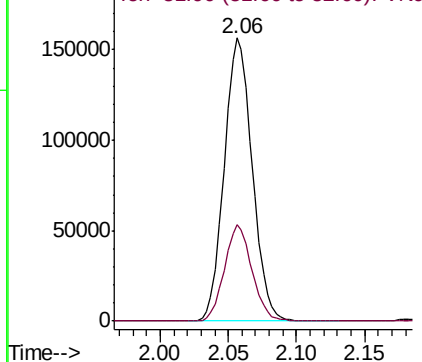
MMDadoda

3/19/2019 9:22:55 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.605 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054417.D

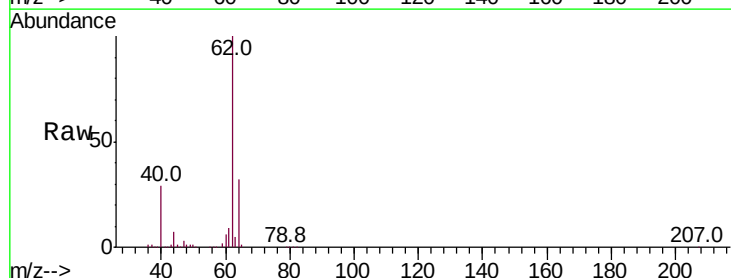
Acq: 19 Mar 2019 2:45

Tgt Ion: 62 Resp: 239458

Ion Ratio Lower Upper

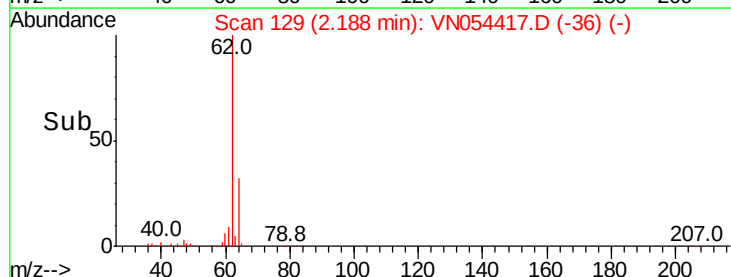
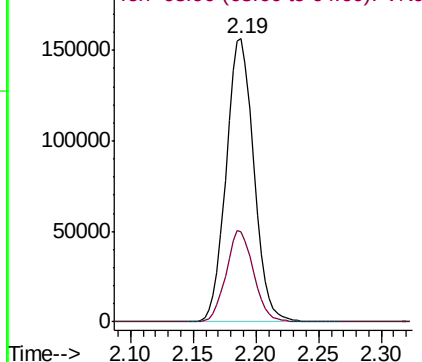
62 100

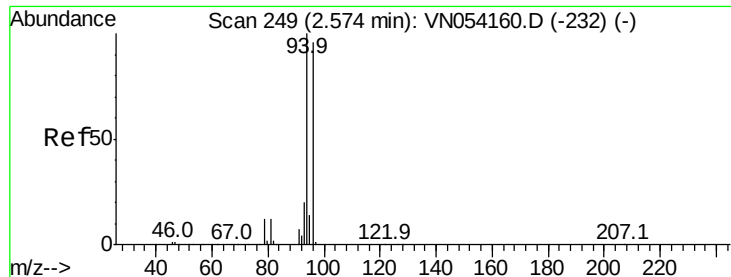
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.913 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 94 Resp: 143081

Ion Ratio Lower Upper

94 100

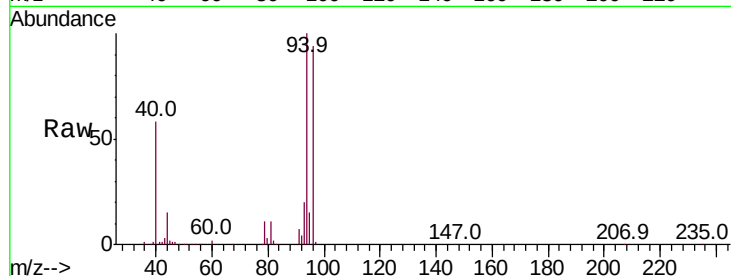
96 94.4 77.0 115.4

Manual Integrations

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3/19/2019 9:22:55 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

80000

60000

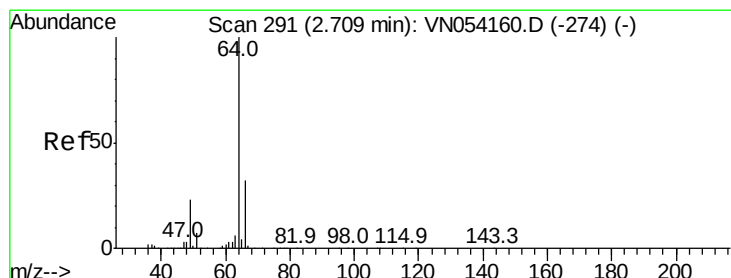
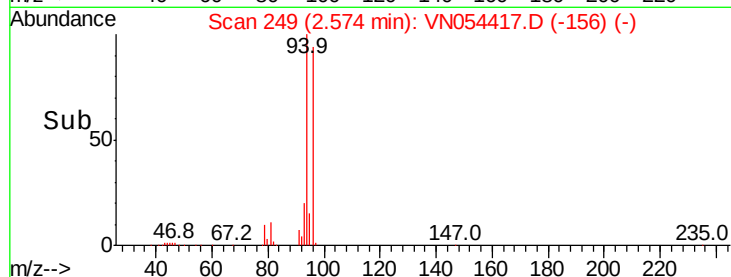
40000

20000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 19.388 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054417.D

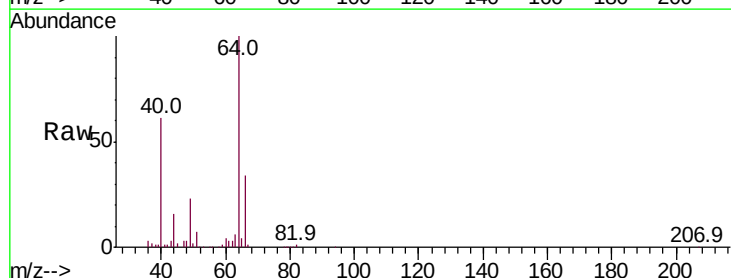
Acq: 19 Mar 2019 2:45

Tgt Ion: 64 Resp: 143282

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

80000

60000

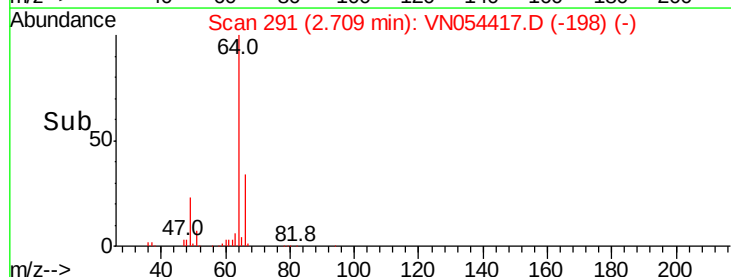
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20000

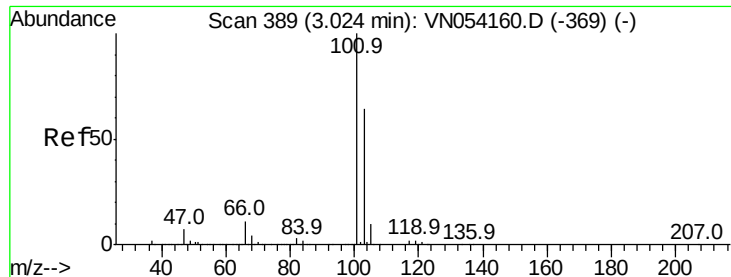
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2.60 2.70 2.80

Time-->







#7

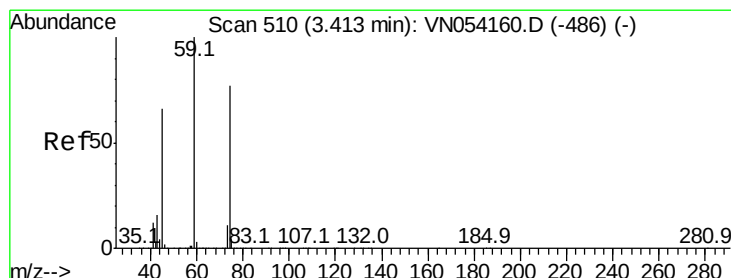
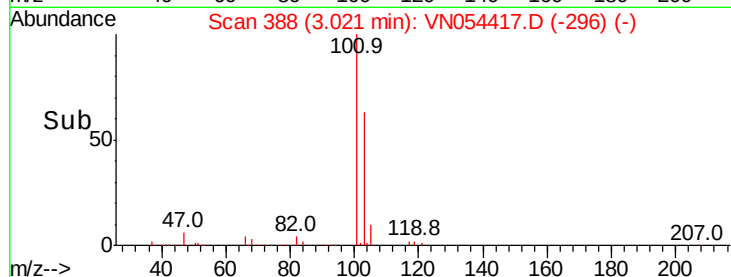
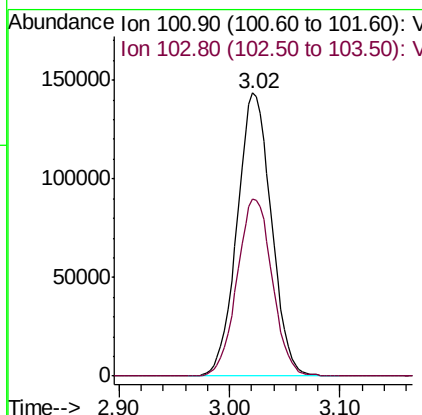
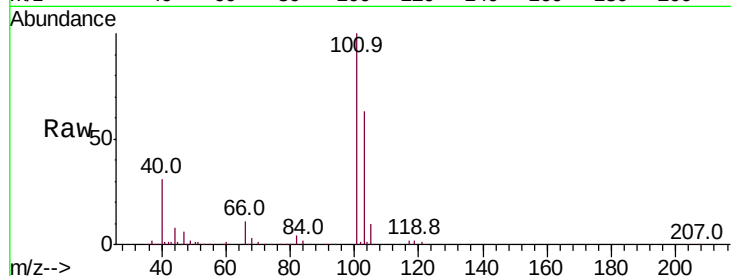
Trichlorofluoromethane  
Concen: 18.992 ug/l  
RT: 3.02 min Scan# 388  
Delta R.T. -0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.6  | 51.4  | 77.2  |

Manual Integrations  
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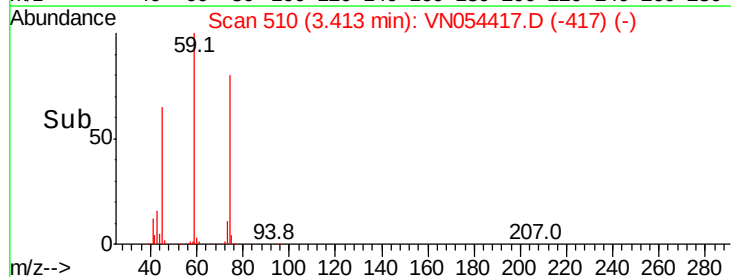
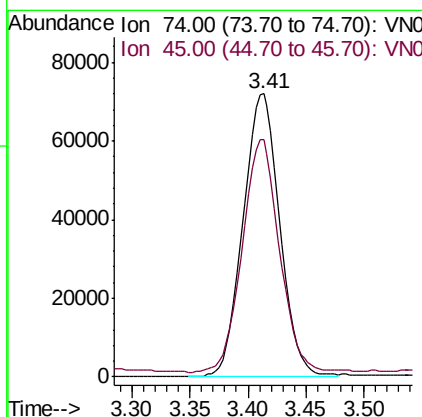
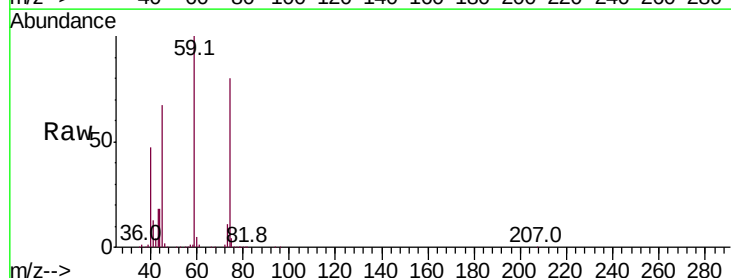
MMDadoda  
3/19/2019 9:22:55 AM



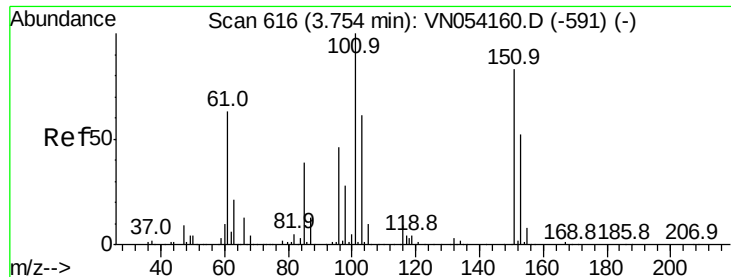
#8

Diethyl Ether  
Concen: 21.475 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 82.6  | 43.1  | 129.4 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.916 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

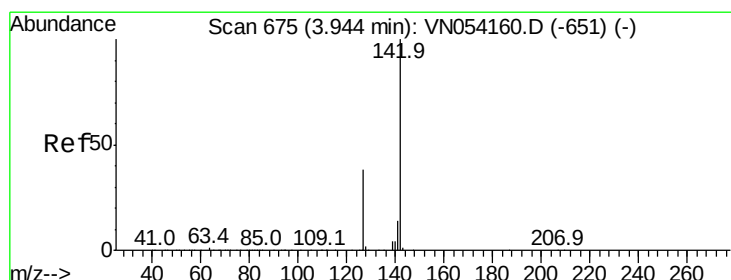
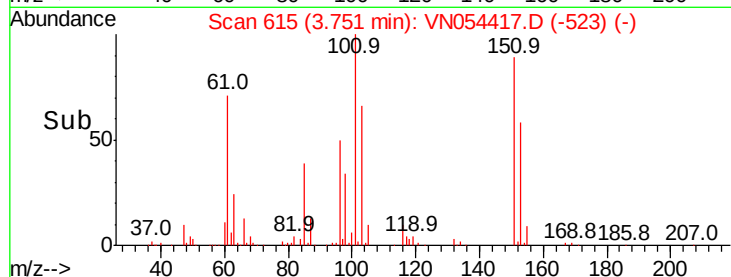
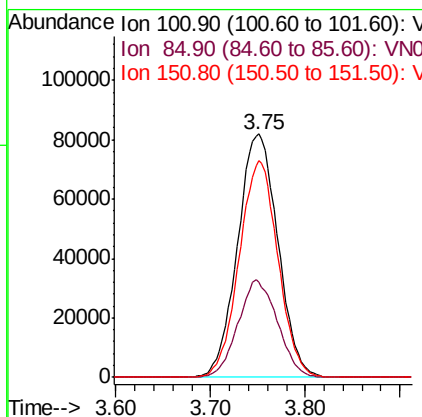
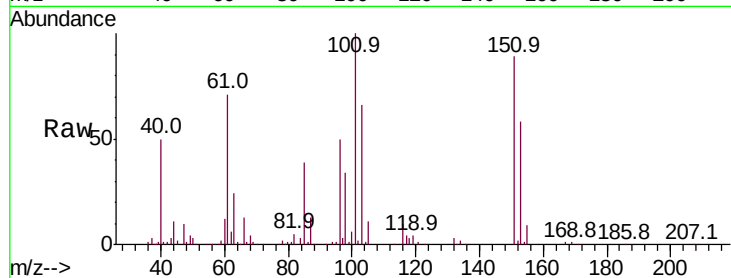
ClientSampleId :

VN0318MBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 242368 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 39.2  | 32.4  | 48.6   |
| 151       | 85.7  | 68.2  | 102.2  |

Manual Integrations  
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MMDadoda  
3/19/2019 9:22:55 AM



#10

Methyl Iodide

Concen: 18.230 ug/l

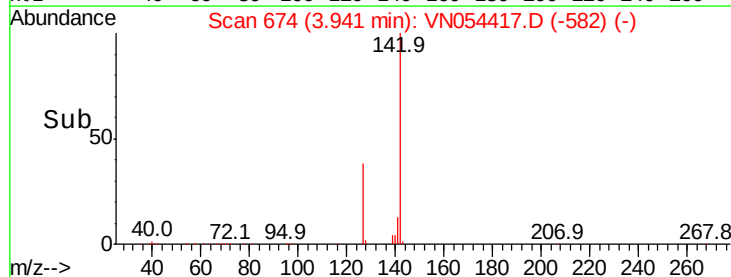
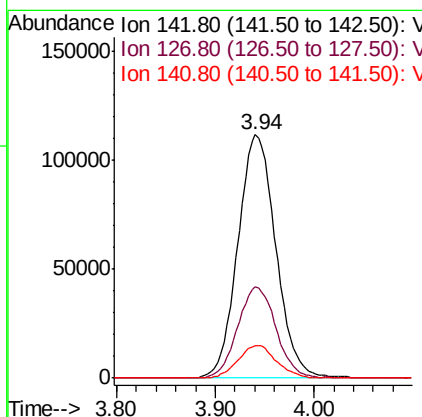
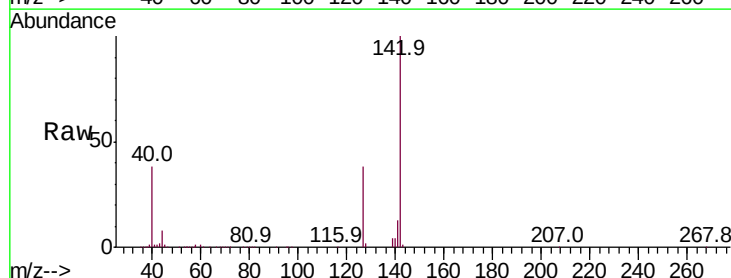
RT: 3.94 min Scan# 674

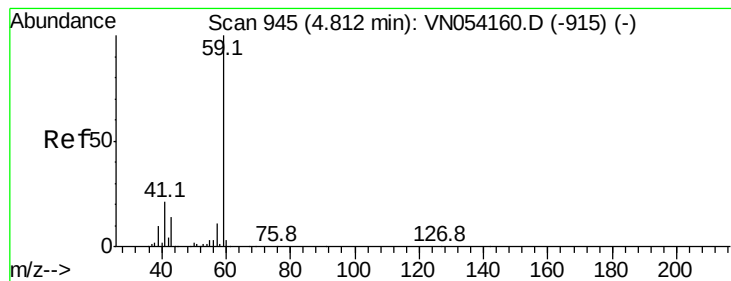
Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 298101 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 37.9  | 30.3  | 45.5   |
| 141       | 13.6  | 11.2  | 16.8   |





#11

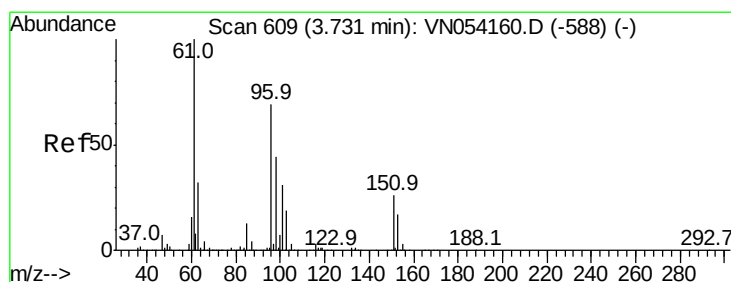
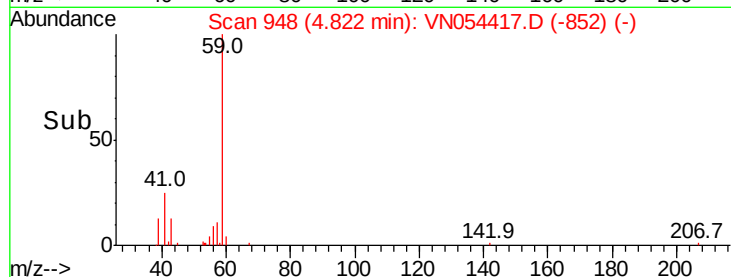
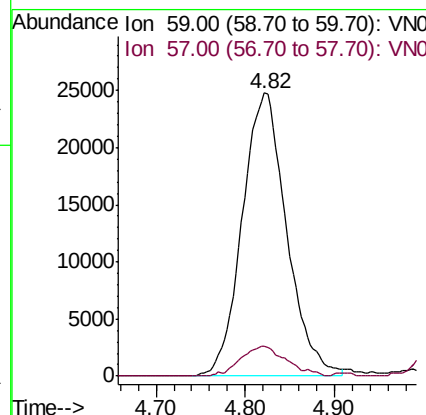
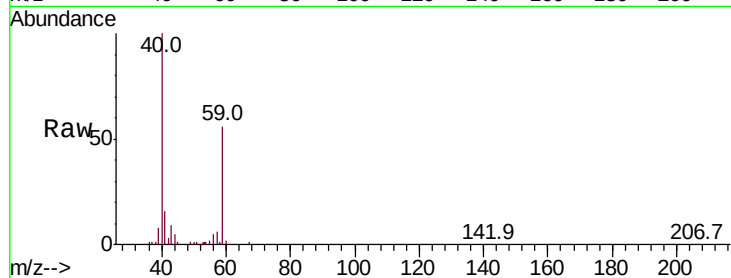
Tert butyl alcohol  
 Concen: 101.203 ug/l  
 RT: 4.82 min Scan# 948  
 Delta R.T. 0.01 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318MBS02

| Tot Ion   | 59   | Resp  | 85529 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.9 | 9.0   | 13.6  |

Manual Integrations  
 APPROVED

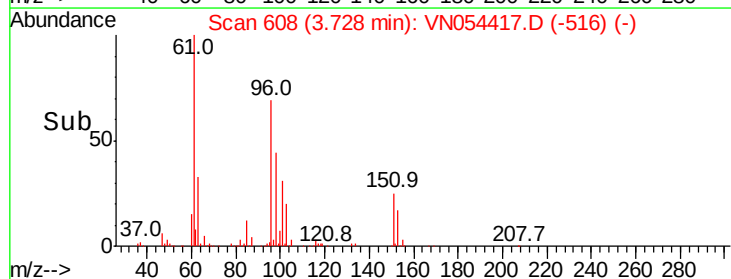
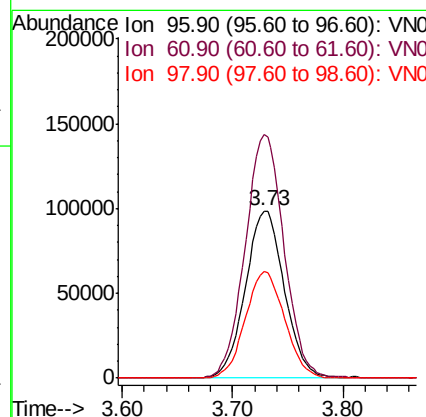
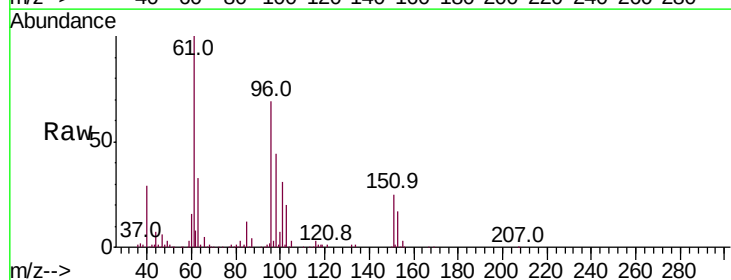
MMDadoda  
 3/19/2019 9:22:55 AM

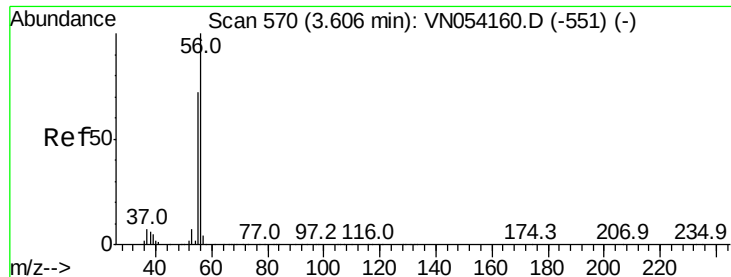


#12

1,1-Dichloroethene  
 Concen: 20.036 ug/l  
 RT: 3.73 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

| Tgt Ion   | 96    | Resp  | 241625 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 145.7 | 116.5 | 174.7  |
| 98        | 63.5  | 51.0  | 76.4   |





#13

Acrolein

Concen: 58.799 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 56 Resp: 47088

Ion Ratio Lower Upper

56 100

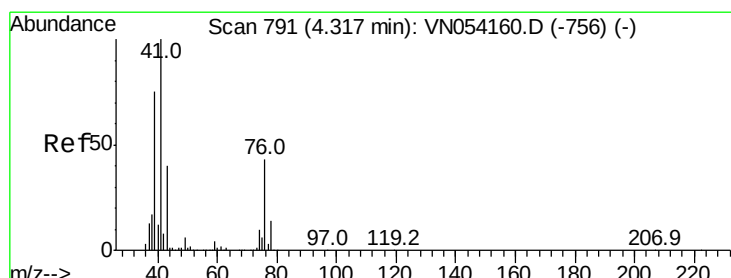
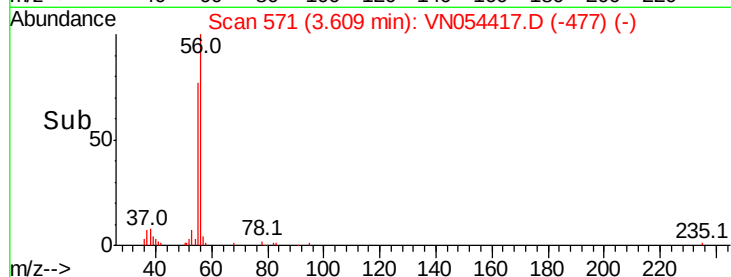
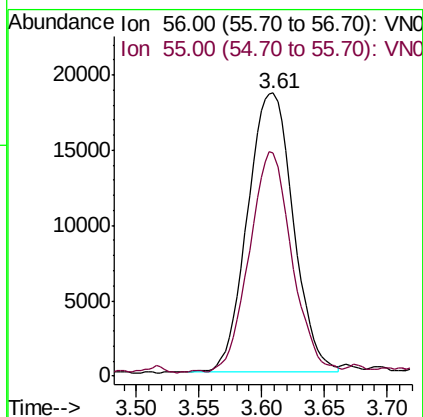
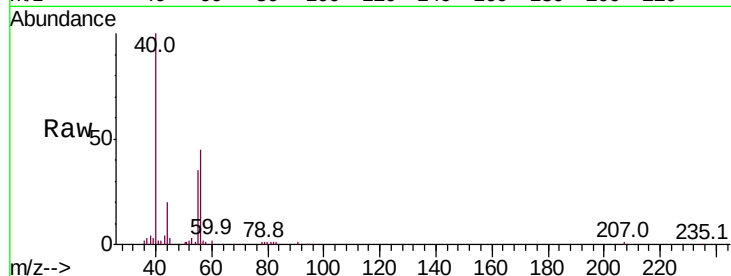
55 73.3 56.7 85.1

Manual Integrations

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MMDadoda

3/19/2019 9:22:55 AM



#14

Allyl chloride

Concen: 19.723 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

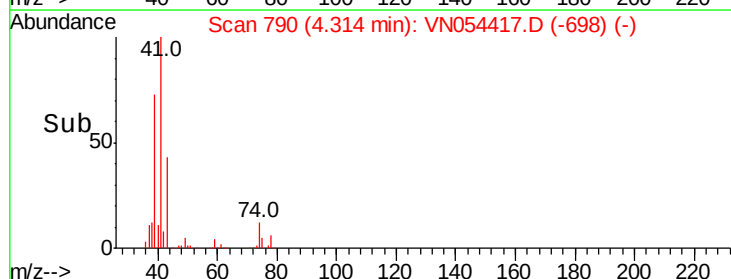
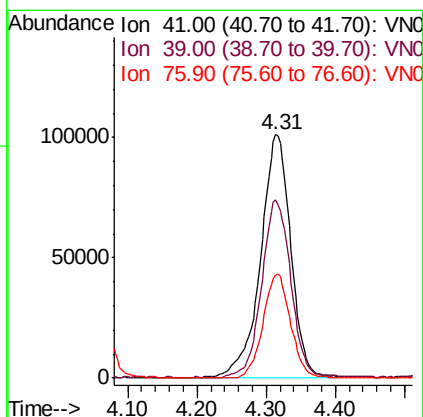
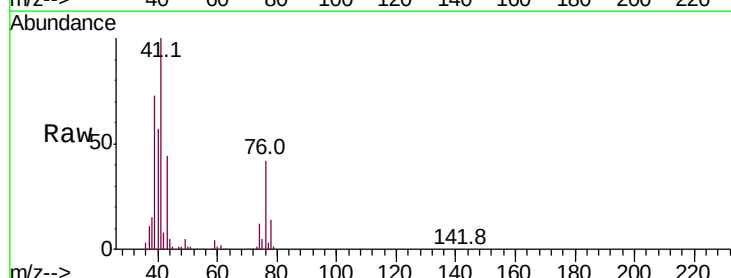
Tgt Ion: 41 Resp: 305163

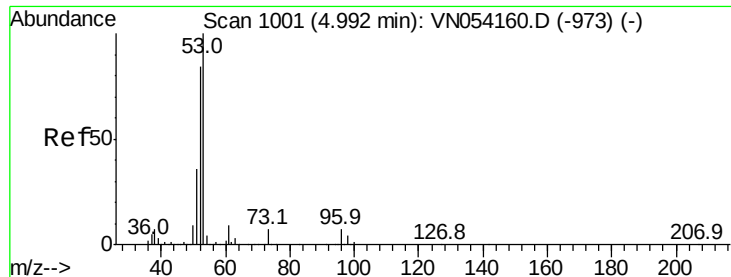
Ion Ratio Lower Upper

41 100

39 71.1 58.2 87.4

76 39.0 31.7 47.5





#15

Acrylonitrile

Concen: 117.069 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

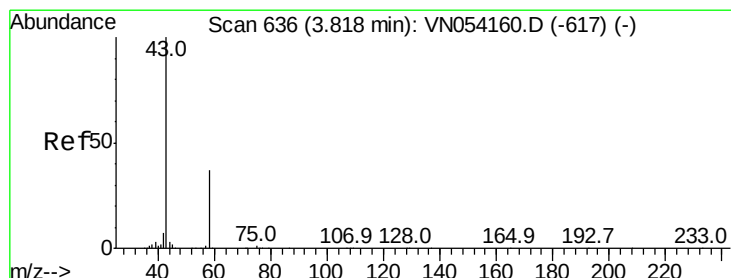
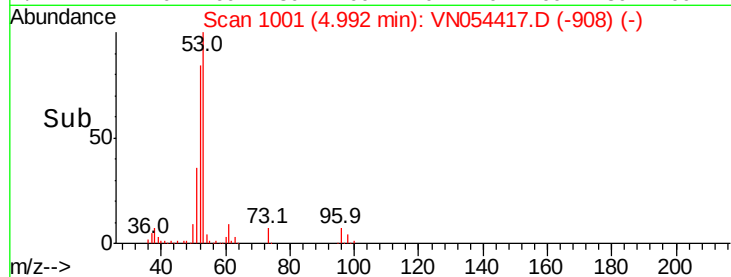
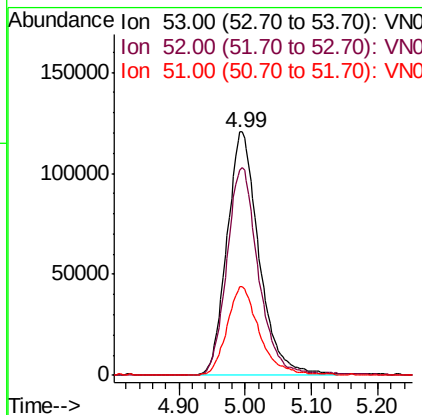
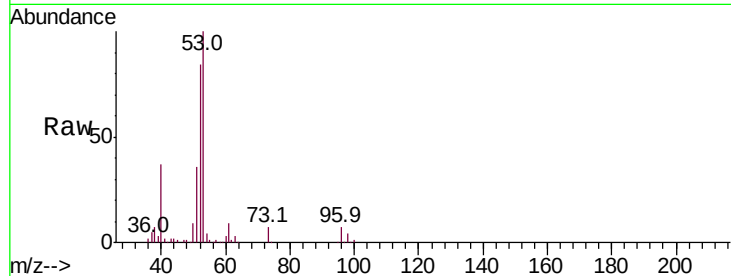
ClientSampleId :

VN0318MBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 406410 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.7  | 66.4  | 99.6   |
| 51        | 36.6  | 29.6  | 44.4   |

Manual Integrations  
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3/19/2019 9:22:55 AM



#16

Acetone

Concen: 78.180 ug/l

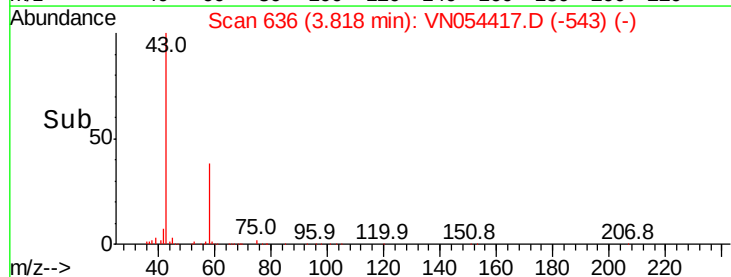
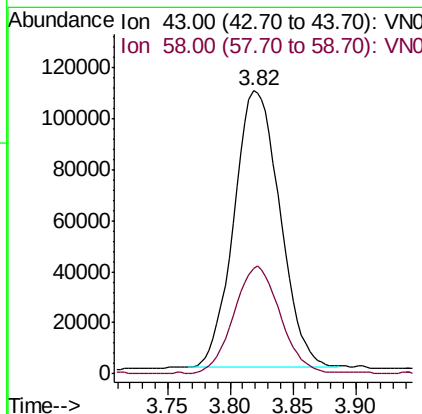
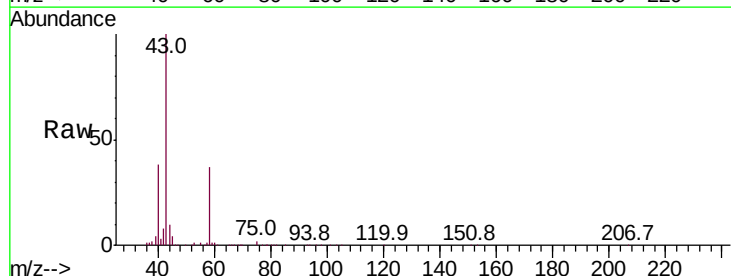
RT: 3.82 min Scan# 636

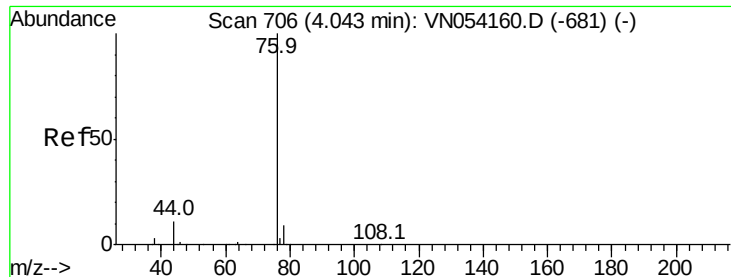
Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 275956 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 38.0  | 29.9  | 44.9   |





#17

Carbon Disulfide

Concen: 16.089 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 76 Resp: 486398

Ion Ratio Lower Upper

76 100

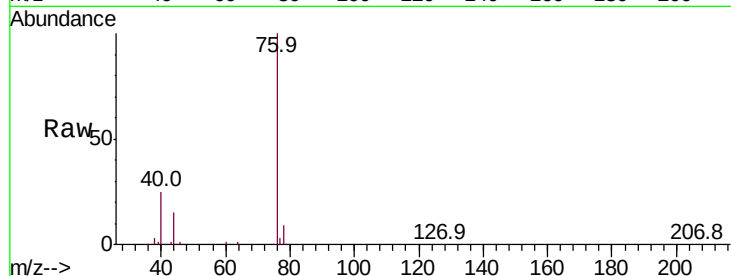
78 8.8 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

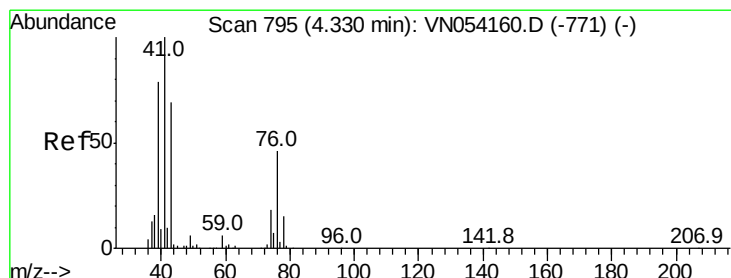
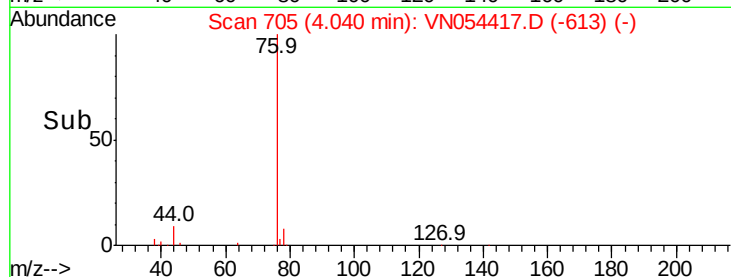
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 27.274 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054417.D

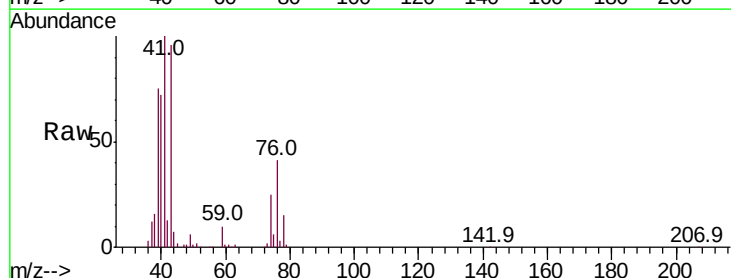
Acq: 19 Mar 2019 2:45

Tgt Ion: 43 Resp: 194772

Ion Ratio Lower Upper

43 100

74 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

80000

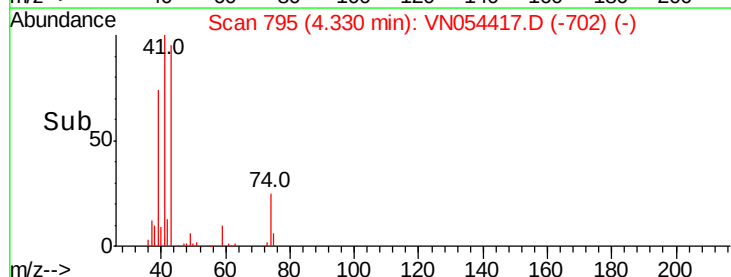
60000

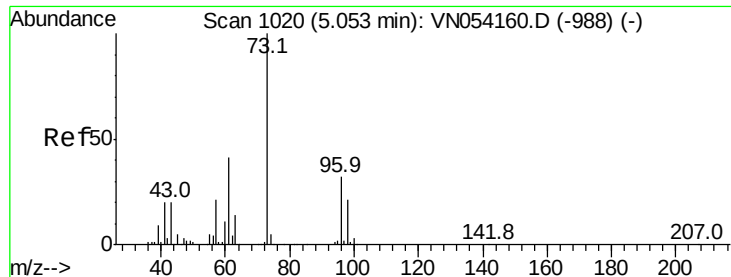
40000

20000

0

Time--> 4.20 4.30 4.40





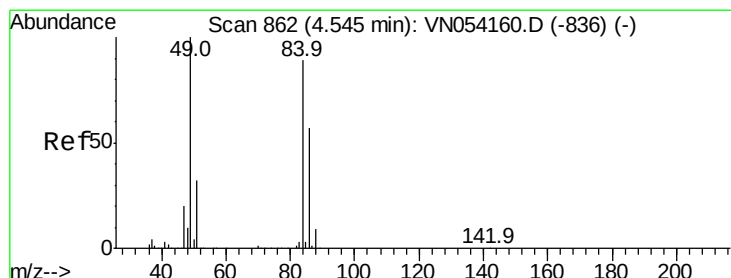
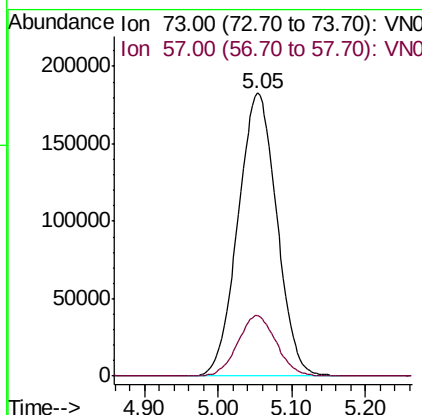
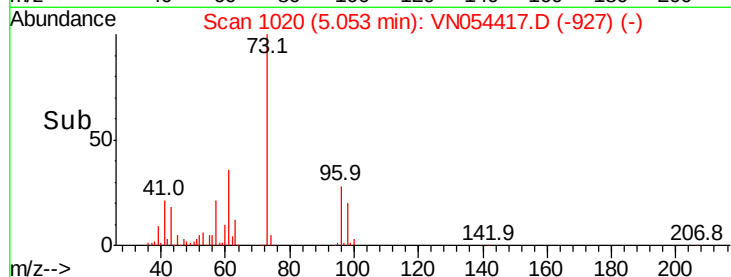
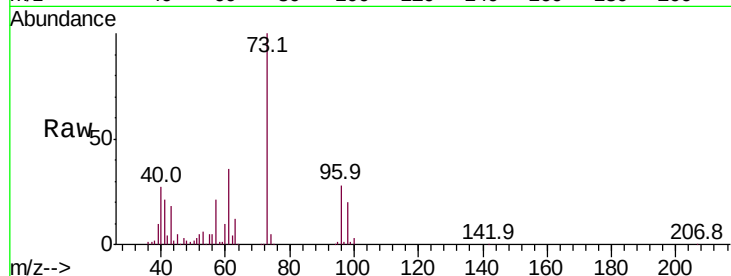
#19  
Methyl tert-butyl Ether  
Concen: 22.400 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

Tot Ion: 73 Resp: 669578  
Ion Ratio Lower Upper  
73 100  
57 21.4 16.8 25.2

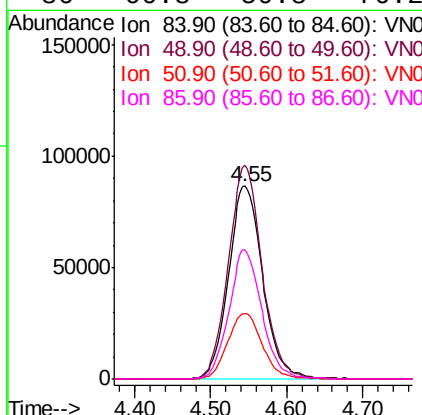
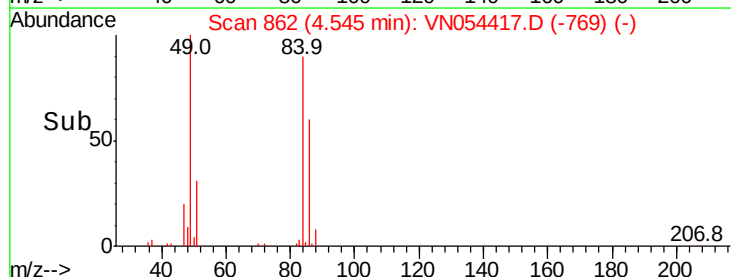
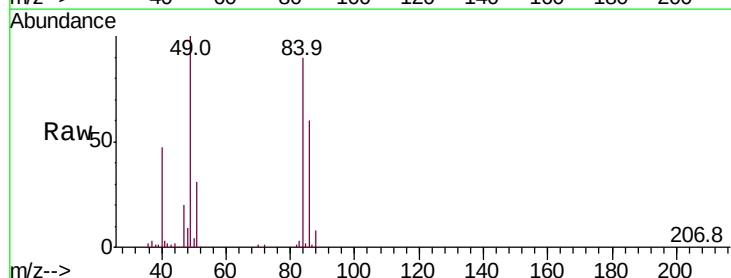
Manual Integrations  
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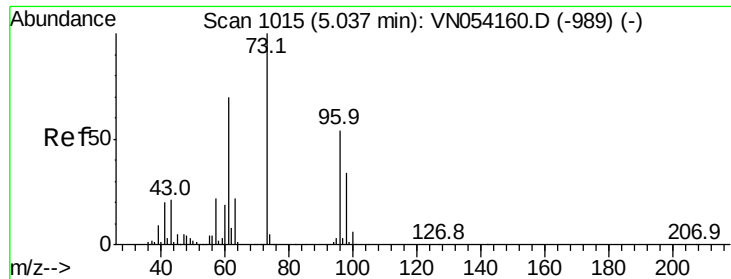
MMDadoda  
3/19/2019 9:22:55 AM



#20  
Methylene Chloride  
Concen: 23.312 ug/l  
RT: 4.55 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Tgt Ion: 84 Resp: 270183  
Ion Ratio Lower Upper  
84 100  
49 110.7 89.7 134.5  
51 34.2 28.2 42.4  
86 66.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.615 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 96 Resp: 238199

Ion Ratio Lower Upper

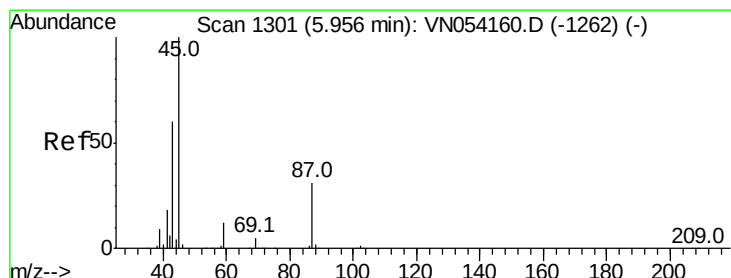
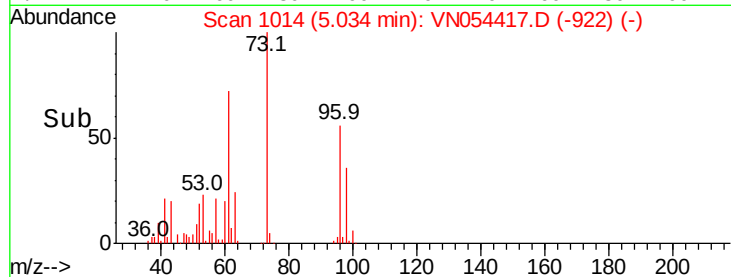
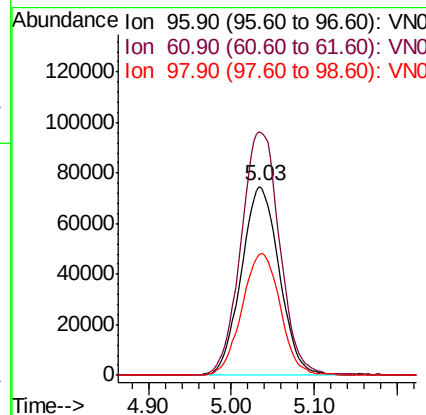
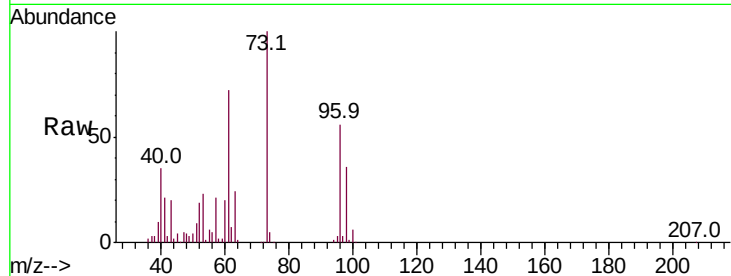
96 100

61 128.8 102.8 154.2

98 63.8 50.0 75.0

Manual Integrations  
APPROVED

MMDadoda  
3/19/2019 9:22:55 AM



#22

Diisopropyl ether

Concen: 22.196 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Tgt Ion: 45 Resp: 685449

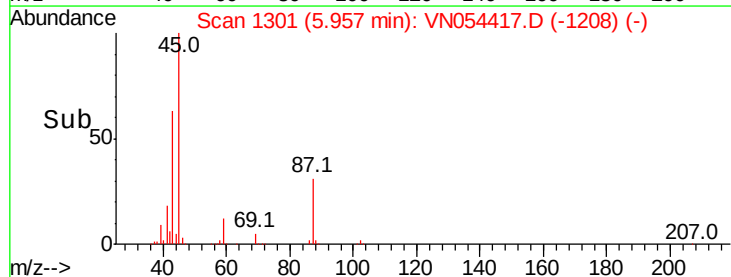
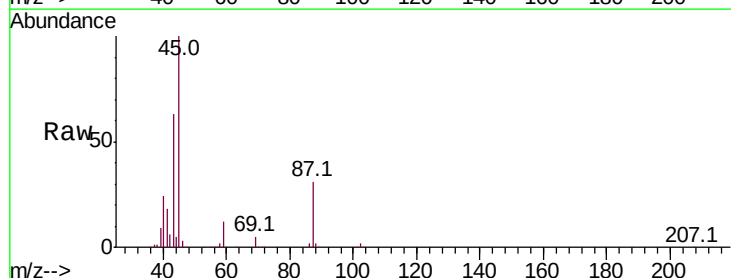
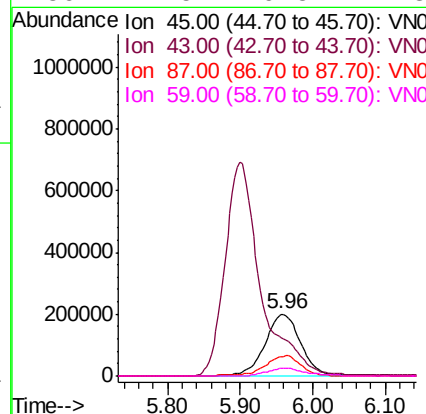
Ion Ratio Lower Upper

45 100

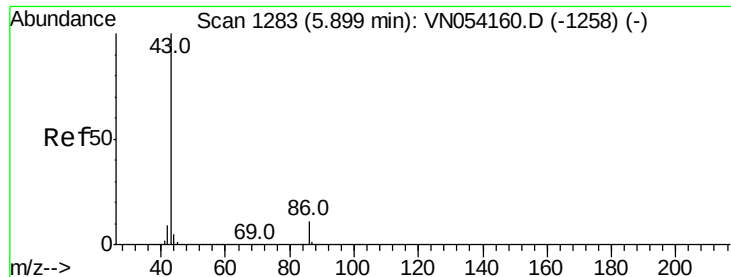
43 62.1 48.2 72.2

87 30.6 24.9 37.3

59 11.5 9.5 14.3







#23

Vinyl Acetate

Concen: 104.188 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Tot Ion: 43 Resp: 2372238

Ion Ratio Lower Upper

43 100

86 11.8 9.1 13.7

Instrument :

MSVOA\_N

ClientSampleId :

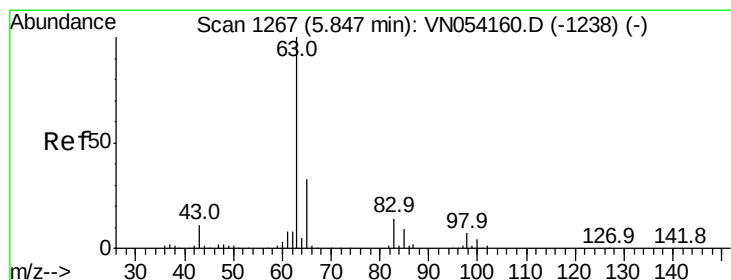
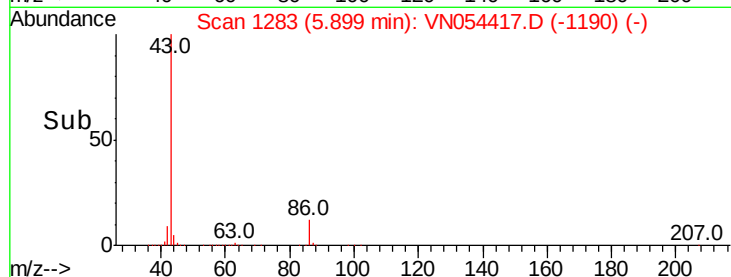
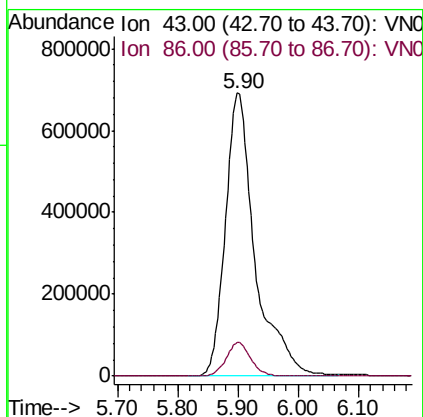
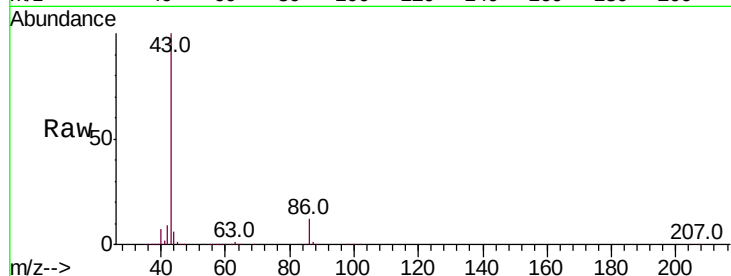
VN0318MBS02

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3/19/2019 9:22:55 AM



#24

1,1-Dichloroethane

Concen: 22.231 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

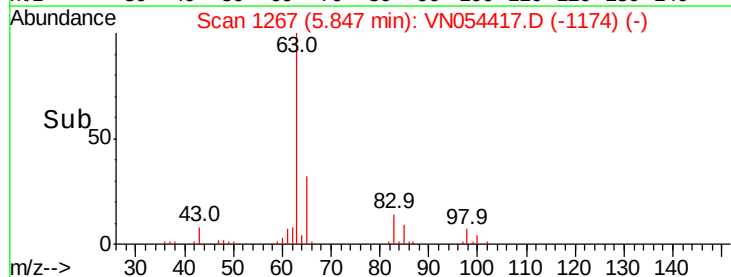
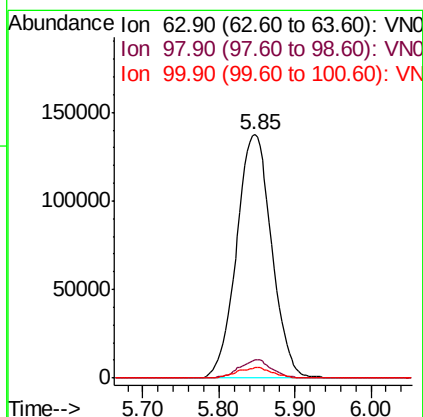
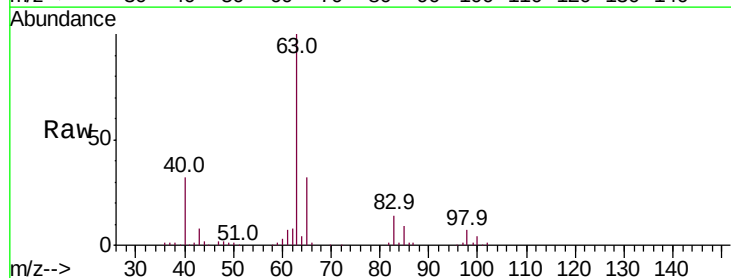
Tgt Ion: 63 Resp: 440805

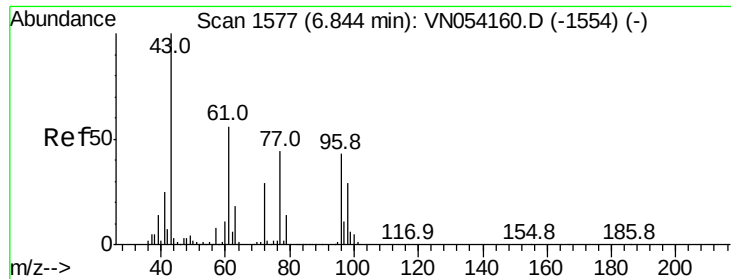
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 110.951 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 43 Resp: 459653

Ion Ratio Lower Upper

43 100

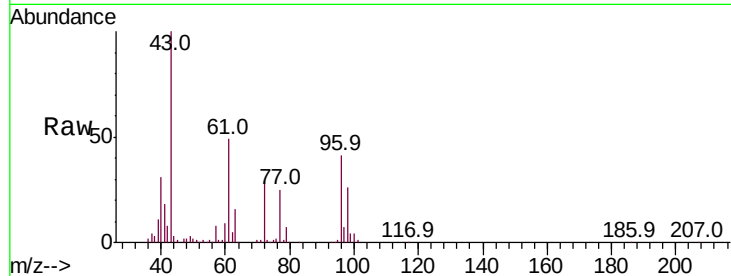
72 28.9 23.0 34.6

Manual Integrations

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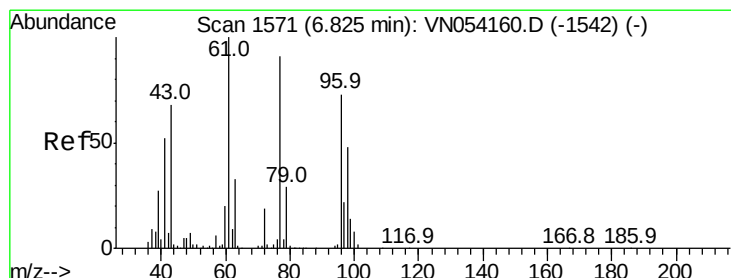
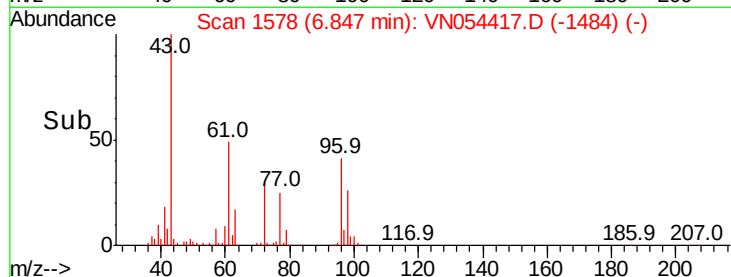
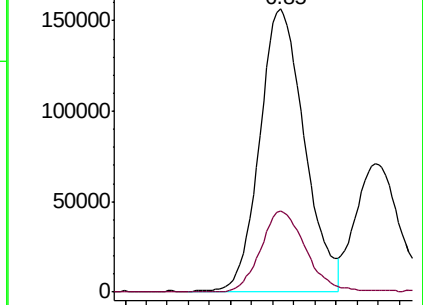
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 13.194 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054417.D

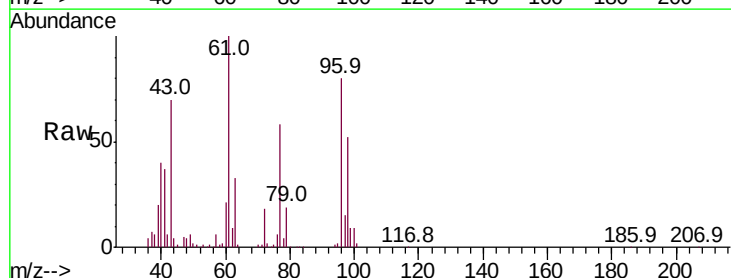
Acq: 19 Mar 2019 2:45

Tgt Ion: 77 Resp: 230057

Ion Ratio Lower Upper

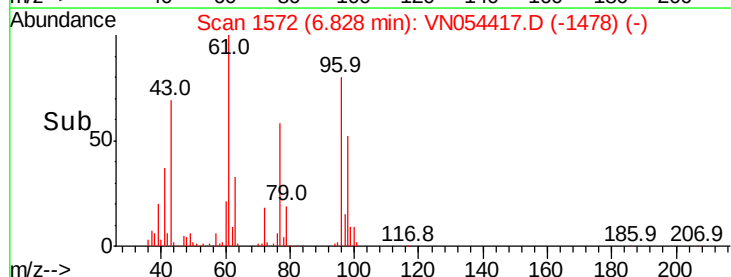
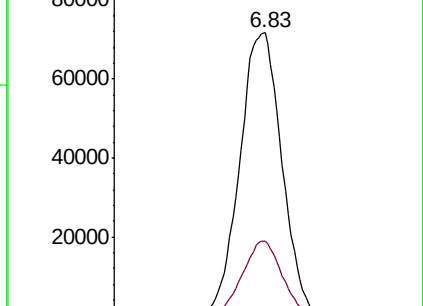
77 100

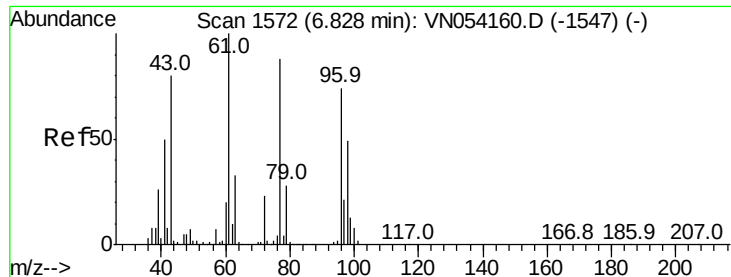
97 25.2 11.9 35.9



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: 22.637 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

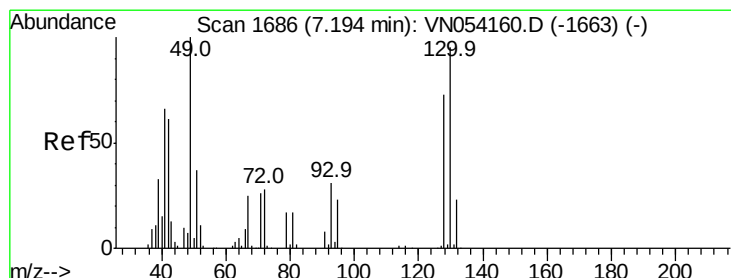
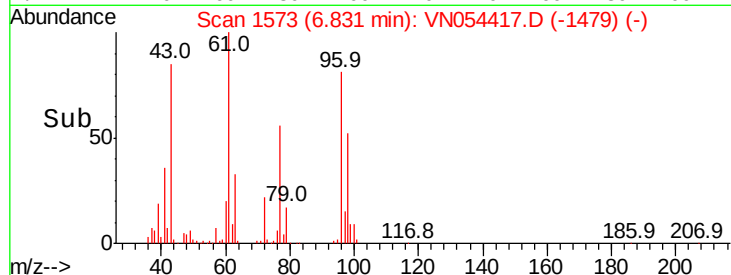
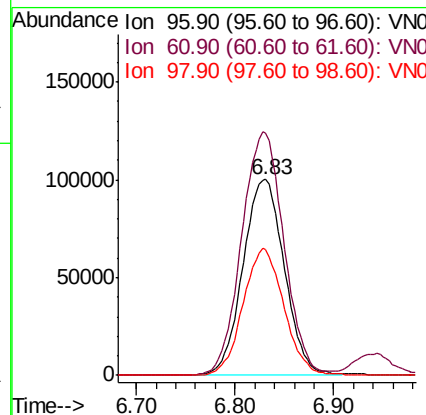
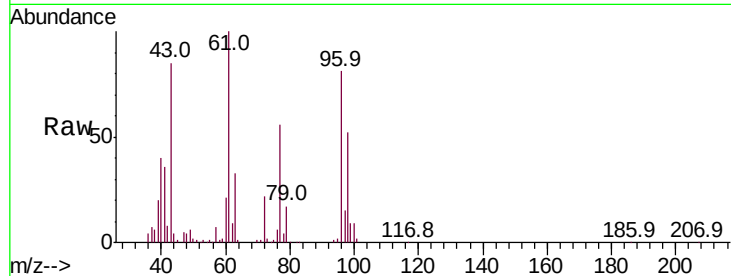
ClientSampleId :

VN0318MBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 291808 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 126.6 | 0.0   | 273.0  |
| 98        | 63.7  | 0.0   | 130.6  |

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#28

Bromochloromethane

Concen: 21.907 ug/l

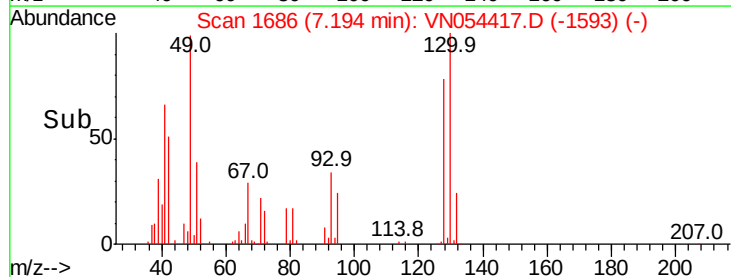
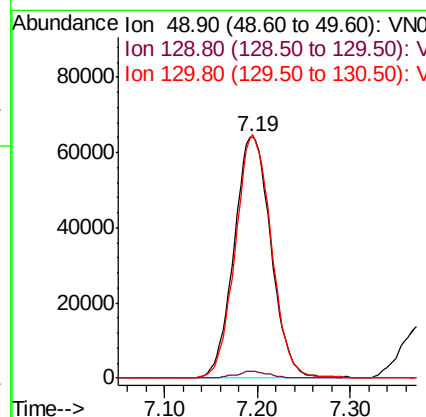
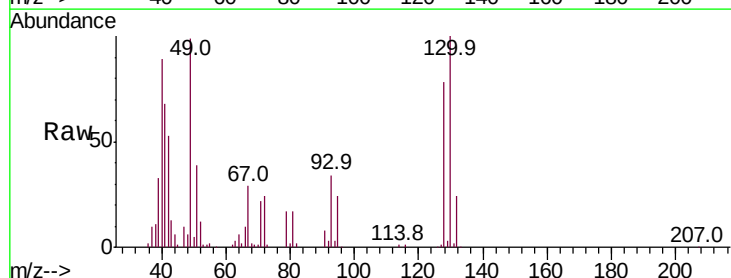
RT: 7.19 min Scan# 1686

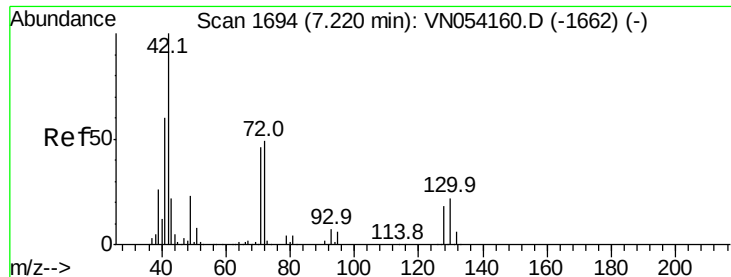
Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 177580 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.5   | 0.0   | 4.6    |
| 130       | 97.9  | 76.7  | 115.1  |





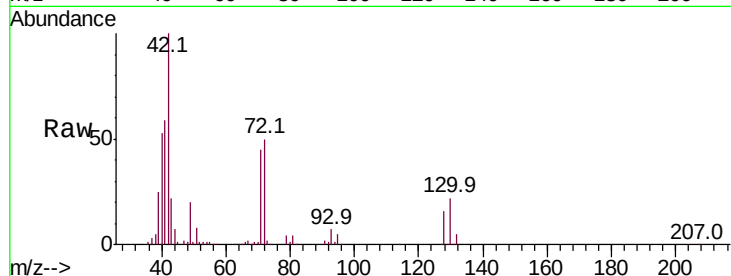
#29  
Tetrahydrofuran  
Concen: 118.150 ug/l  
RT: 7.22 min Scan# 1694  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

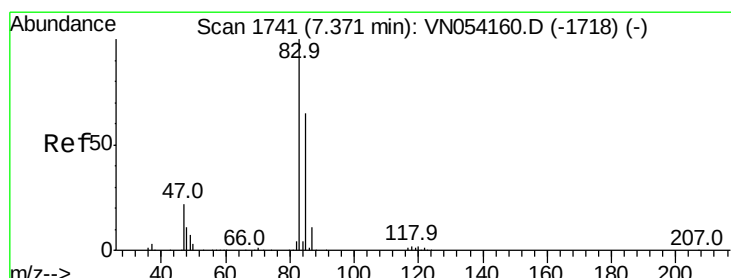
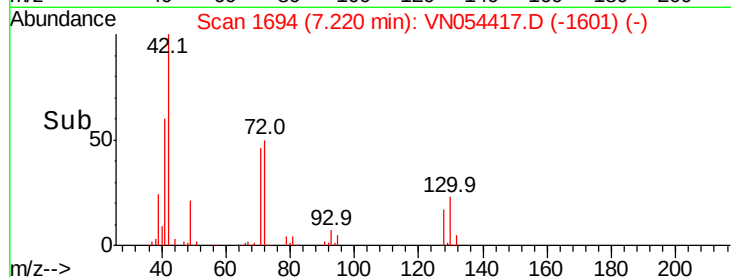
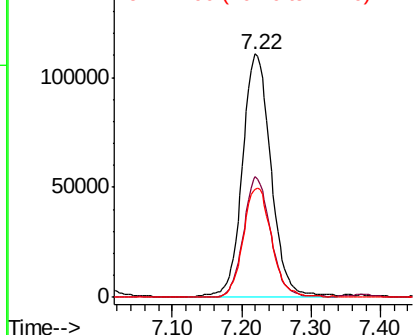
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.6  | 37.8  | 56.6  |
| 71      | 44.9  | 36.2  | 54.2  |

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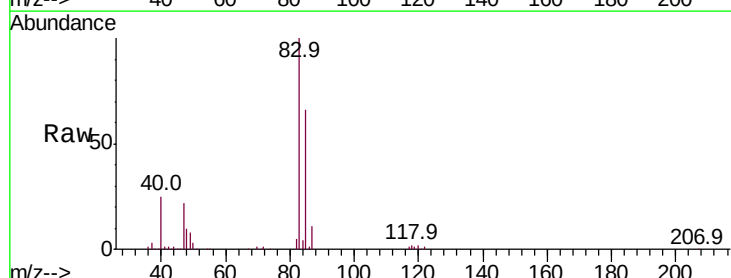


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

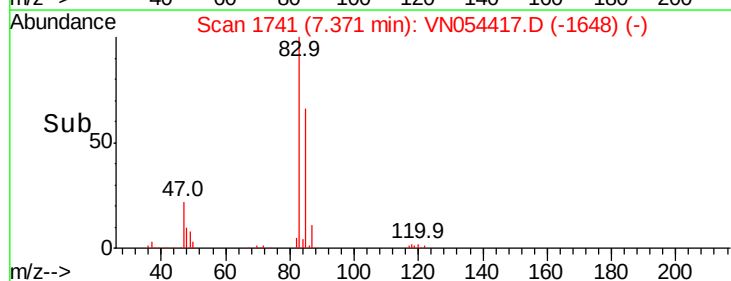
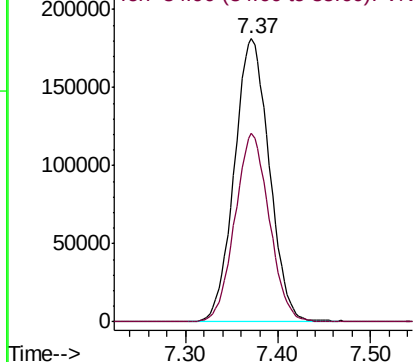


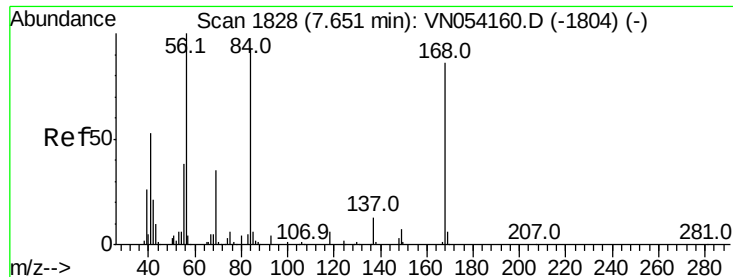
#30  
Chloroform  
Concen: 22.893 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.4  | 52.2  | 78.4  |



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.258 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

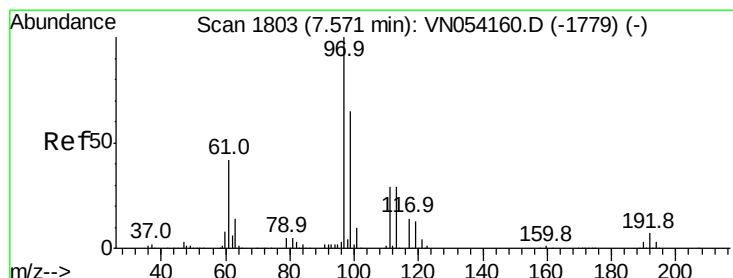
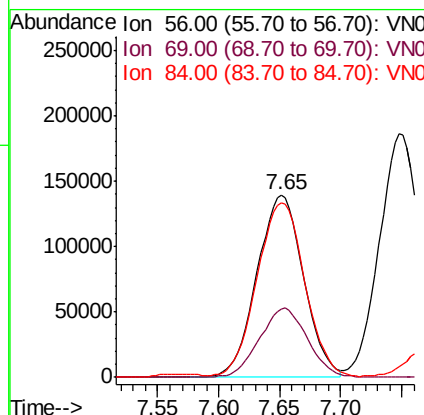
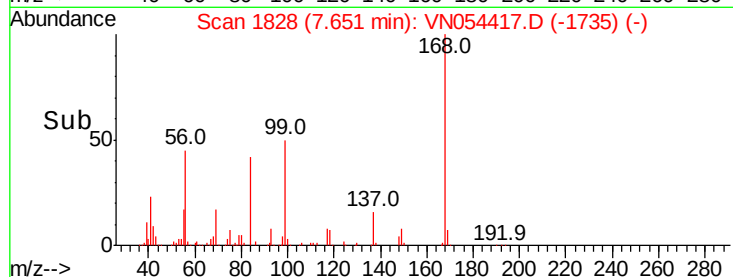
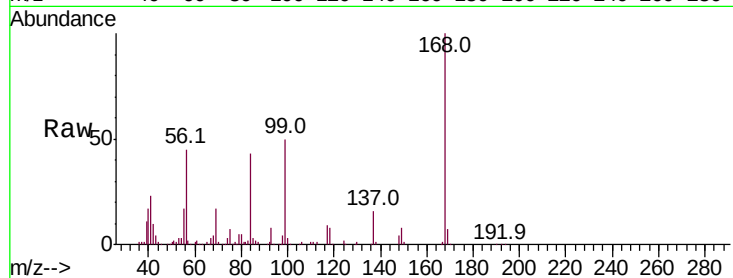
ClientSampleId :

VN0318MBS02

| Tot Ion | 56    | Resp  | 370997 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 56      | 100   |       |        |
| 69      | 37.6  | 27.8  | 41.6   |
| 84      | 94.2  | 74.6  | 111.8  |

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#32

1,1,1-Trichloroethane

Concen: 20.503 ug/l

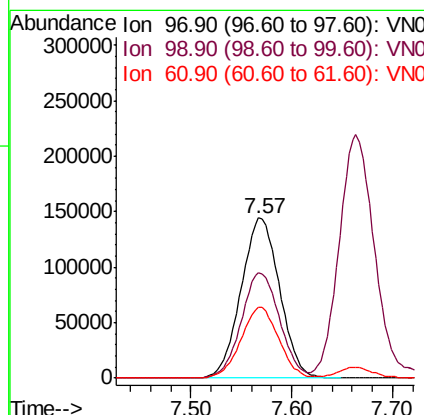
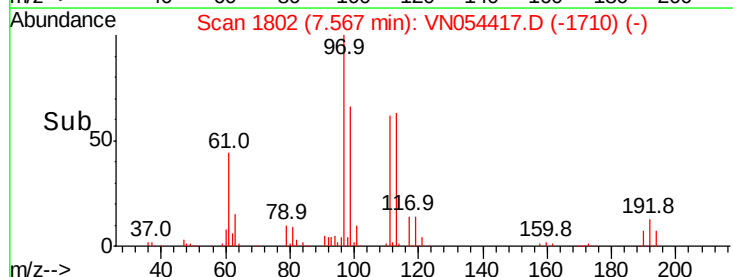
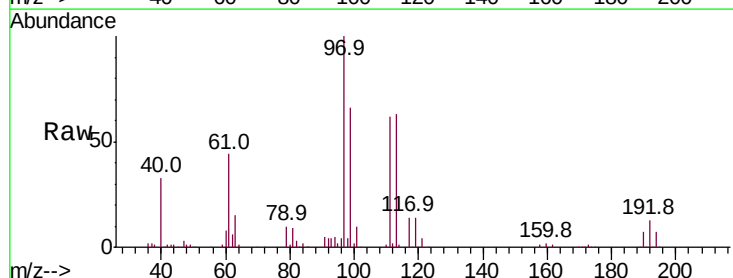
RT: 7.57 min Scan# 1802

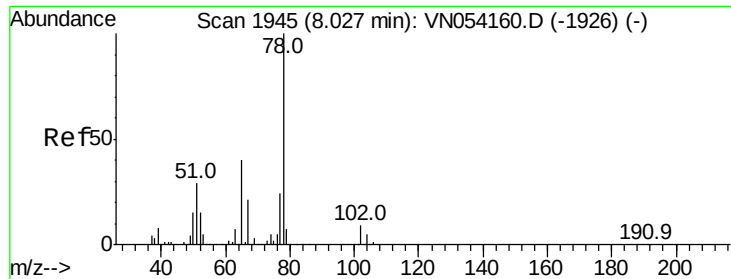
Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

| Tgt Ion | 97    | Resp  | 383128 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 99      | 65.4  | 51.5  | 77.3   |
| 61      | 43.2  | 33.6  | 50.4   |





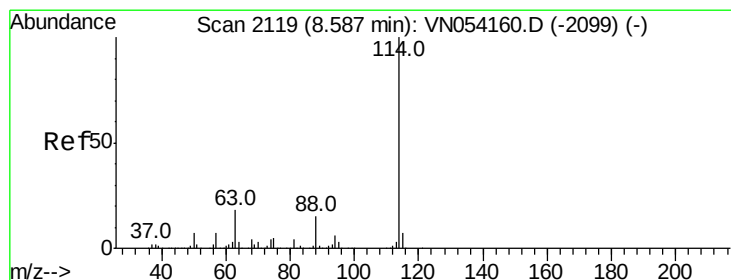
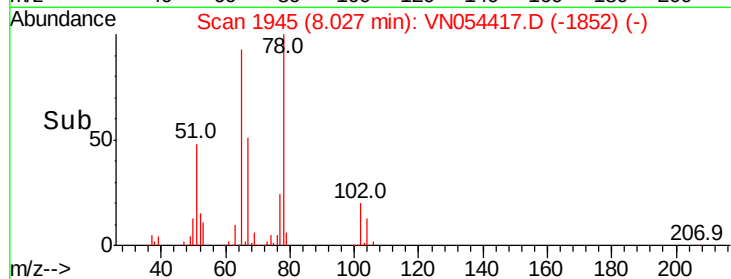
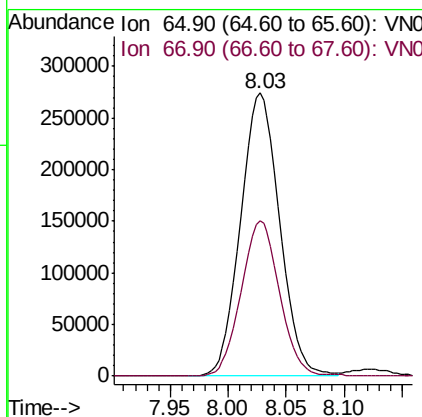
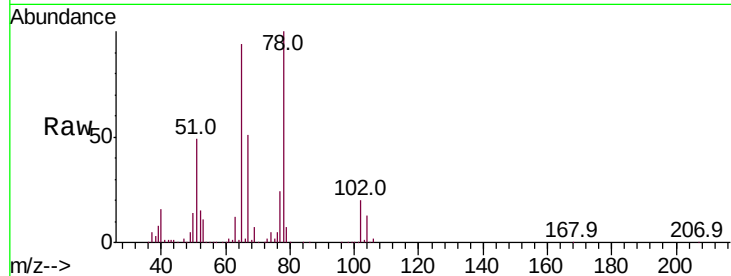
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.247 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.9  | 0.0   | 104.6 |

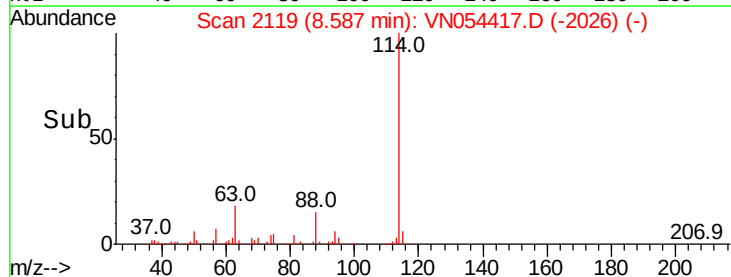
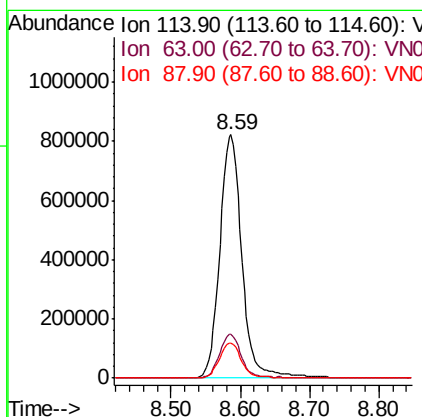
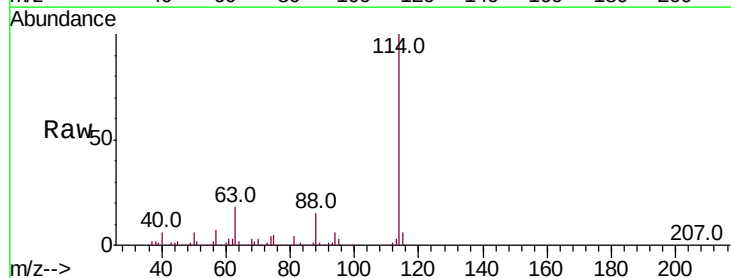
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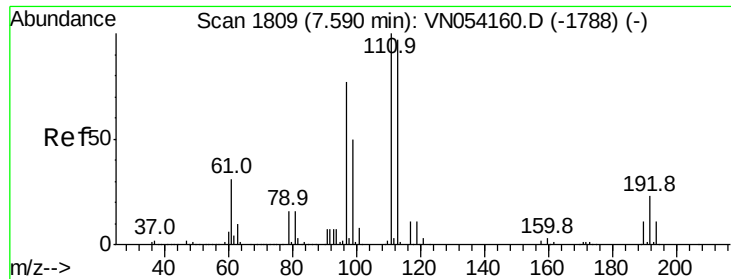
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 3/19/2019 9:22:55 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.8  | 0.0   | 35.2  |
| 88      | 14.6  | 0.0   | 30.2  |





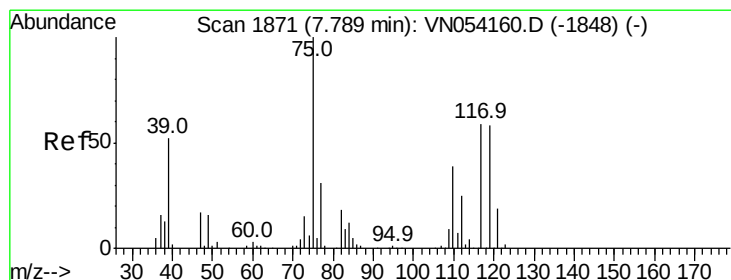
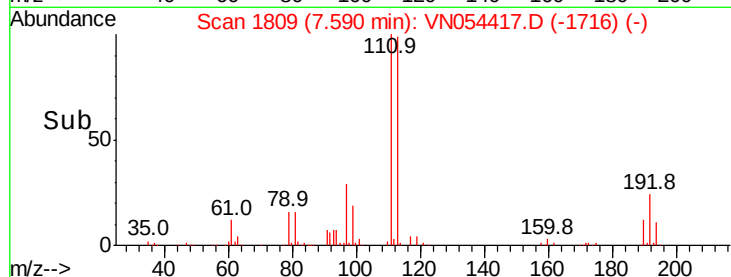
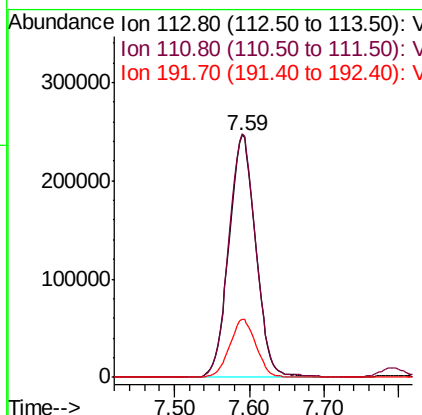
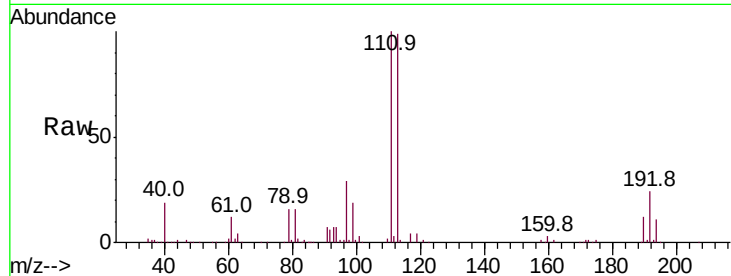
#35  
 Dibromofluoromethane  
 Concen: 52.118 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318MBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 613401 |       |       |
| 111     | 100.3 | 82.2   | 123.4 |       |
| 192     | 23.6  | 19.2   | 28.8  |       |

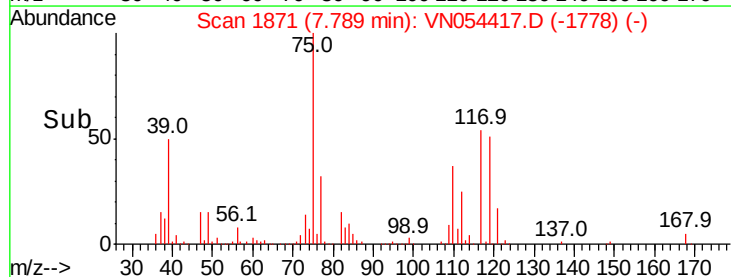
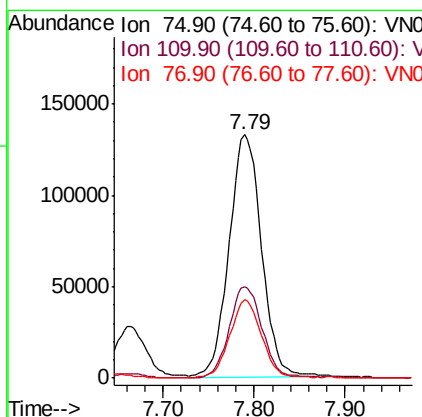
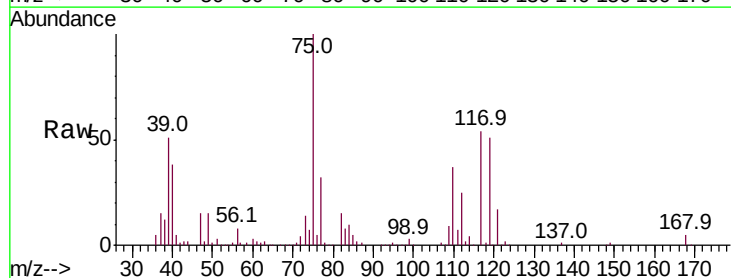
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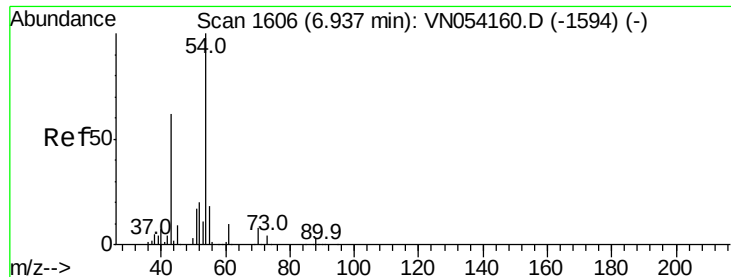
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#36  
 1,1-Dichloropropene  
 Concen: 19.579 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 329034 |       |       |
| 110     | 38.2  | 19.1   | 57.5  |       |
| 77      | 31.5  | 25.0   | 37.4  |       |





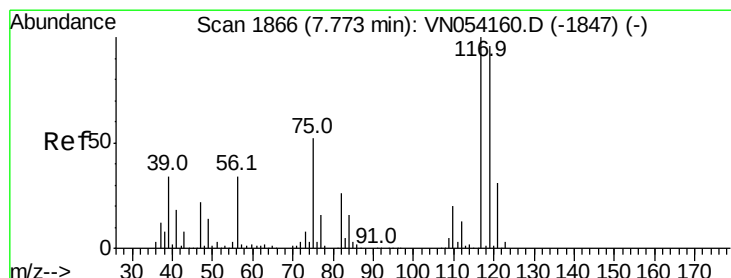
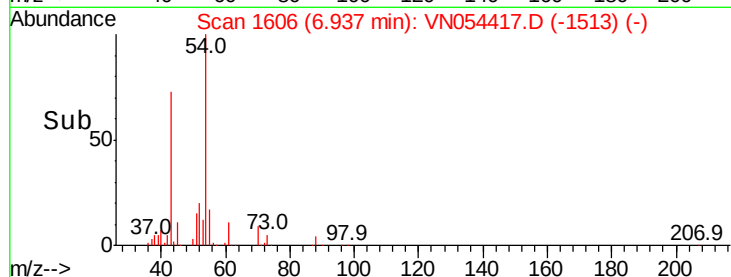
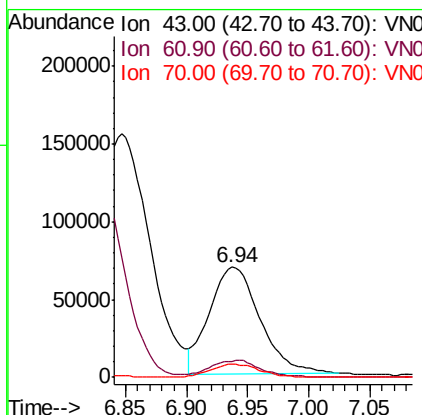
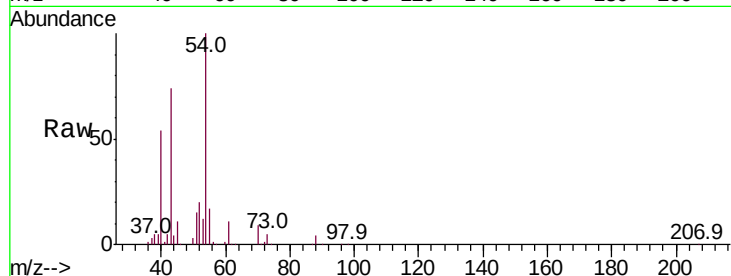
#37  
Ethyl Acetate  
Concen: 20.793 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.0  | 11.8  | 17.6  |
| 70      | 12.0  | 8.4   | 12.6  |

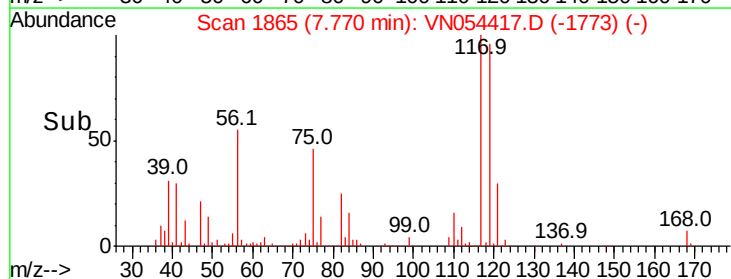
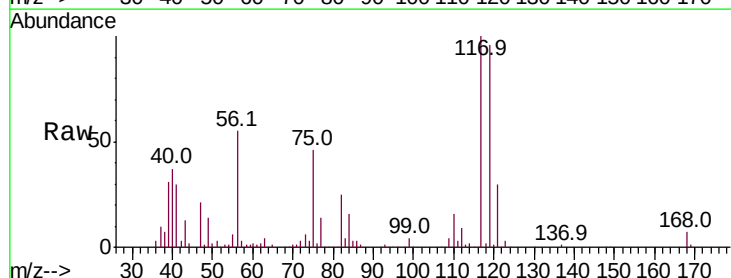
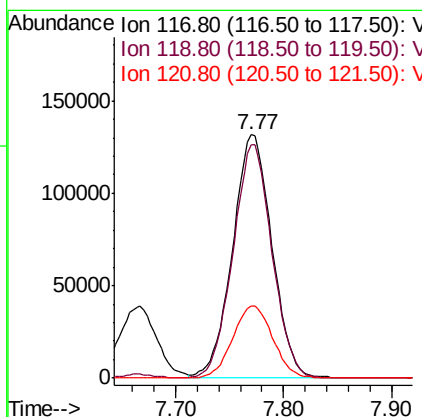
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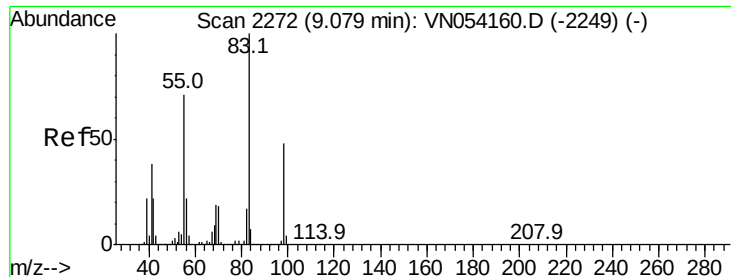


#38  
Carbon Tetrachloride  
Concen: 18.920 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.1  | 76.3  | 114.5 |
| 121     | 29.6  | 24.6  | 36.8  |







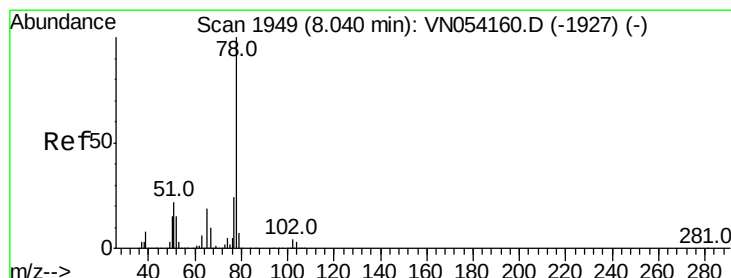
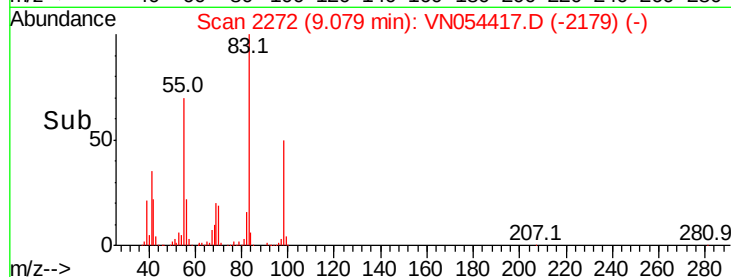
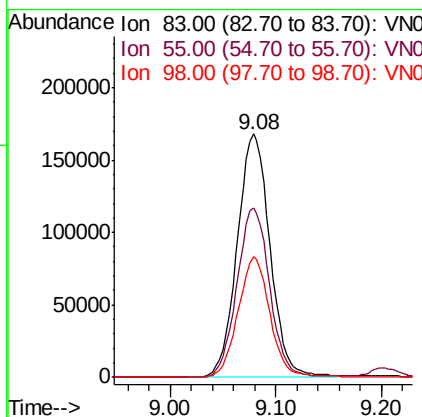
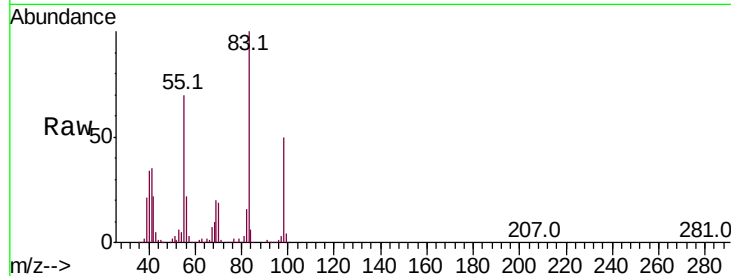
#39  
Methylvlcyclohexane  
Concen: 17.578 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | 83    | Resp  | 363448 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 69.7  | 56.6  | 84.8   |
| 98      | 49.5  | 38.4  | 57.6   |

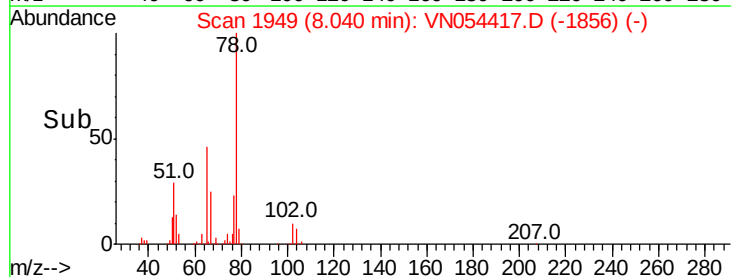
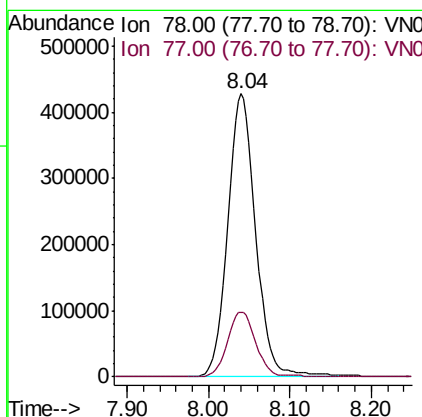
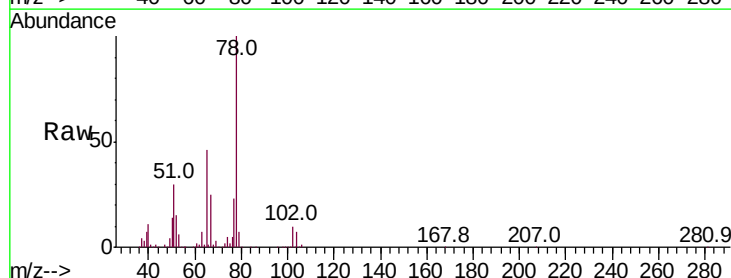
Manual Integrations  
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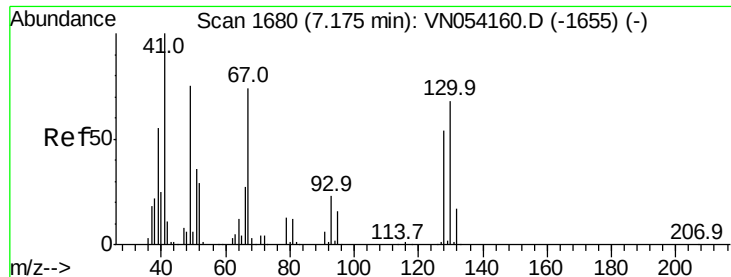
MMDadoda  
3/19/2019 9:22:55 AM



#40  
Benzene  
Concen: 21.370 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | 78    | Resp  | 1027684 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 78      | 100   |       |         |
| 77      | 22.9  | 19.1  | 28.7    |





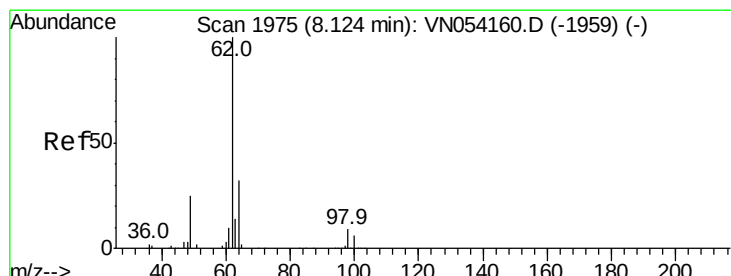
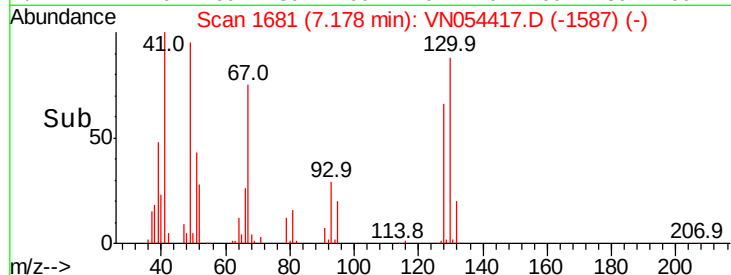
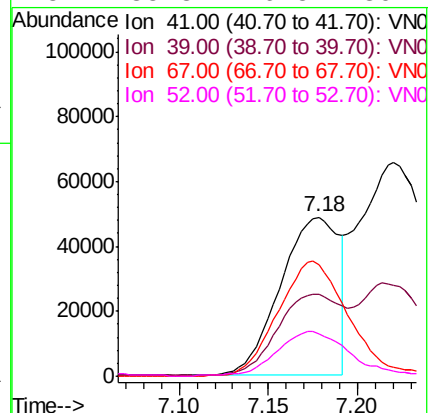
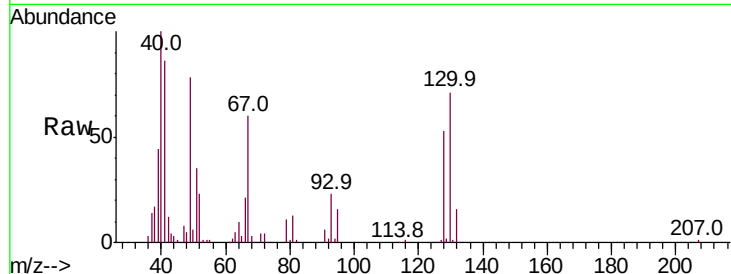
#41  
Methacrylonitrile  
Concen: 20.231 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 55.7  | 46.8  | 70.2  |
| 67      | 88.0  | 67.0  | 100.4 |
| 52      | 35.3  | 26.5  | 39.7  |

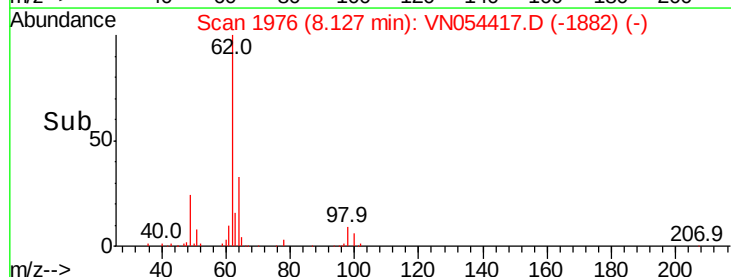
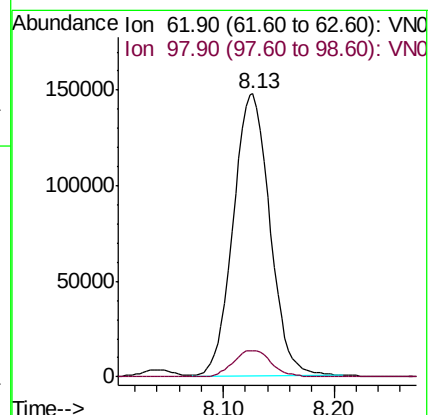
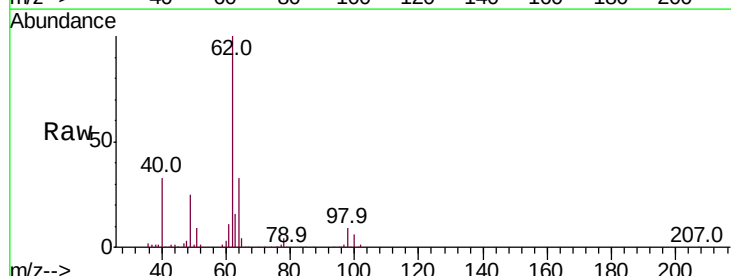
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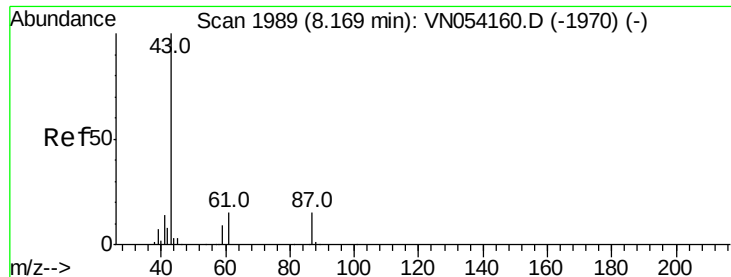
MMDadoda  
3/19/2019 9:22:55 AM



#42  
1,2-Dichloroethane  
Concen: 20.972 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.8   | 0.0   | 18.4  |





#43

Isopropyl Acetate

Concen: 19.989 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

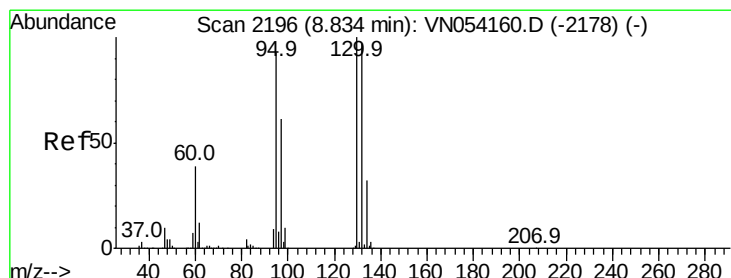
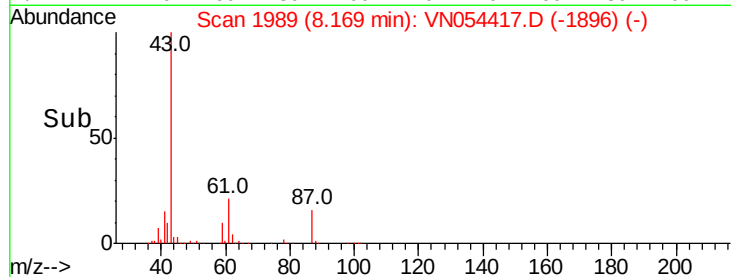
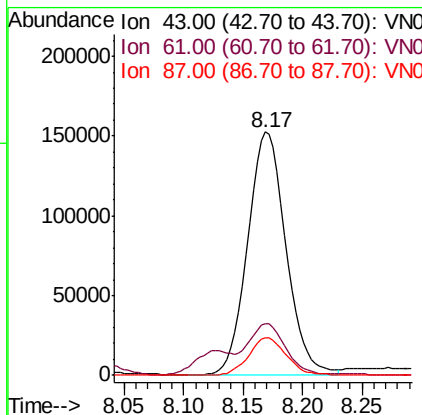
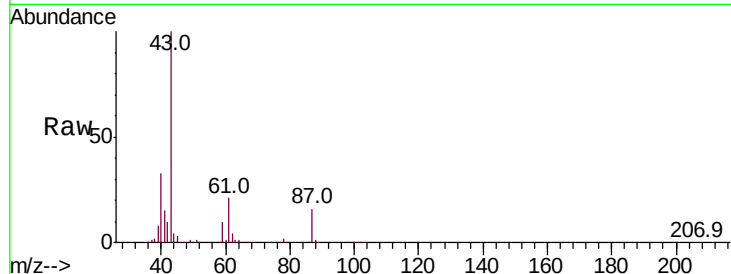
ClientSampleId :

VN0318MBS02

| Tot Ion | 43    | Resp  | 338792 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 61      | 19.5  | 15.8  | 23.8   |
| 87      | 15.3  | 12.0  | 18.0   |

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#44

Trichloroethene

Concen: 20.121 ug/l

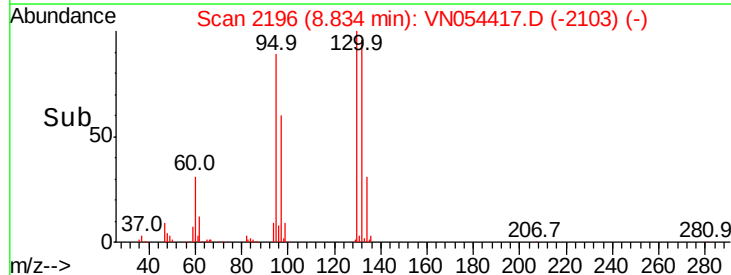
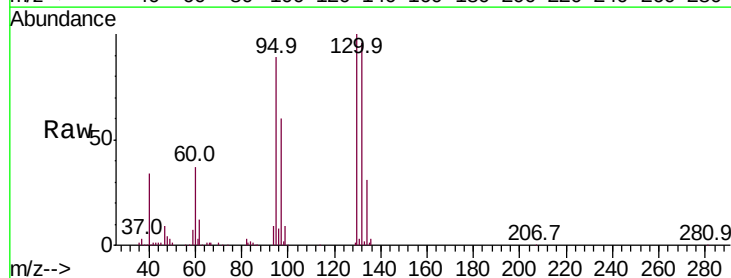
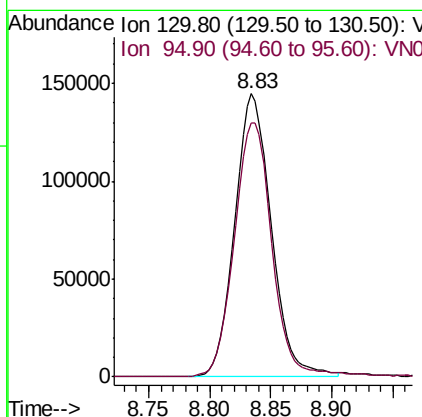
RT: 8.83 min Scan# 2196

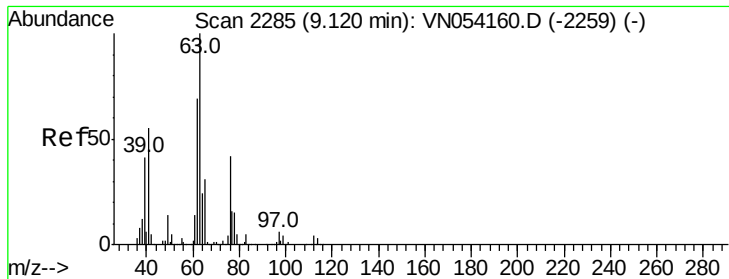
Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

| Tgt Ion | 130   | Resp  | 300586 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 130     | 100   |       |        |
| 95      | 89.4  | 0.0   | 185.2  |





#45

1,2-Dichloropropane

Concen: 21.519 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 63 Resp: 256963

Ion Ratio Lower Upper

63 100

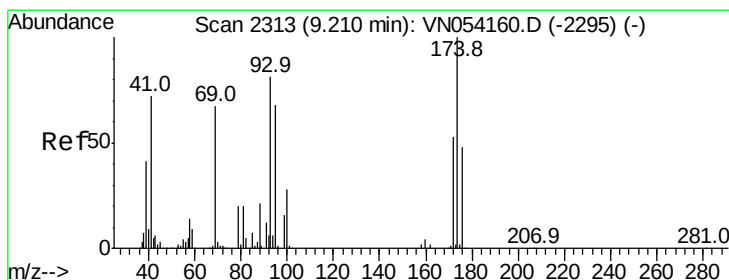
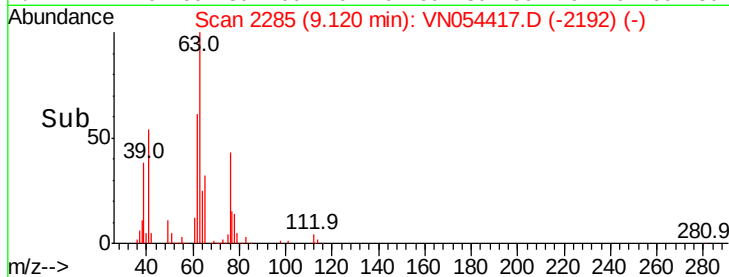
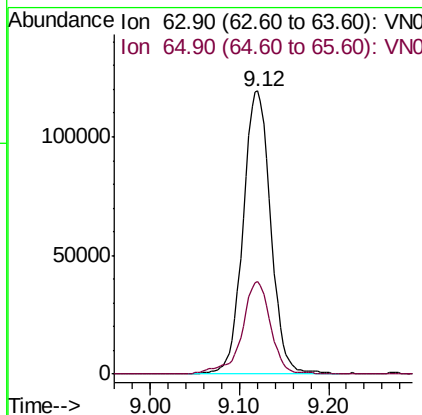
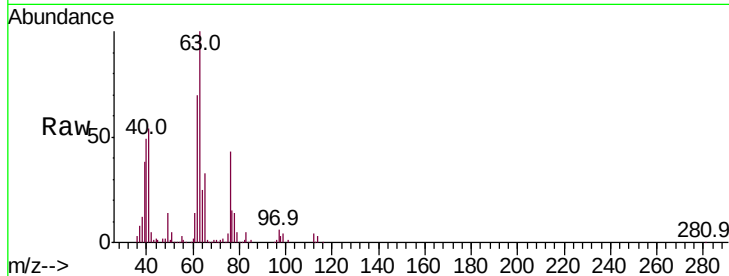
65 32.6 25.0 37.6

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#46

Dibromomethane

Concen: 21.001 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

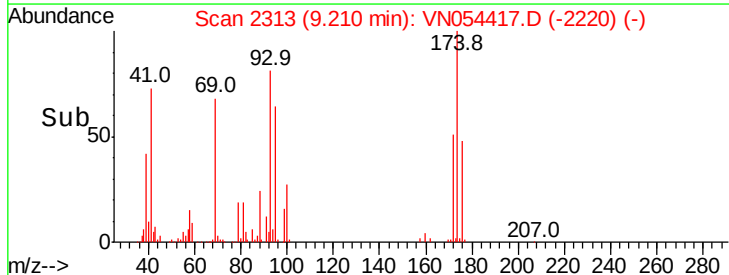
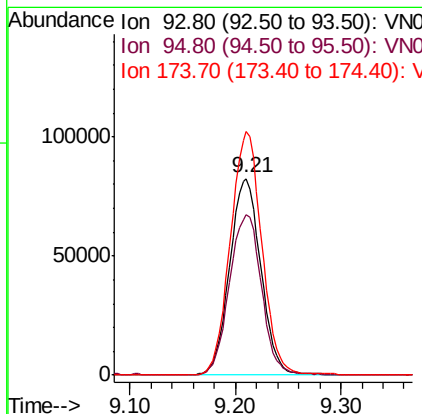
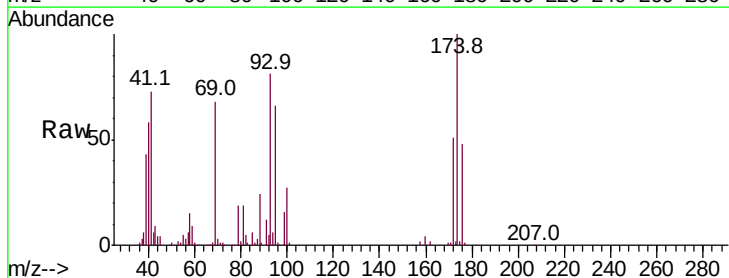
Tgt Ion: 93 Resp: 169442

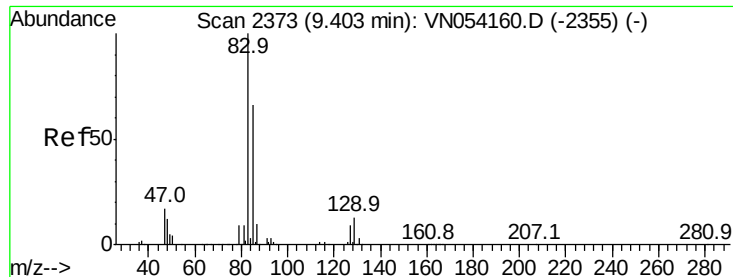
Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

174 124.9 98.5 147.7





#47

Bromodichloromethane

Concen: 20.511 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

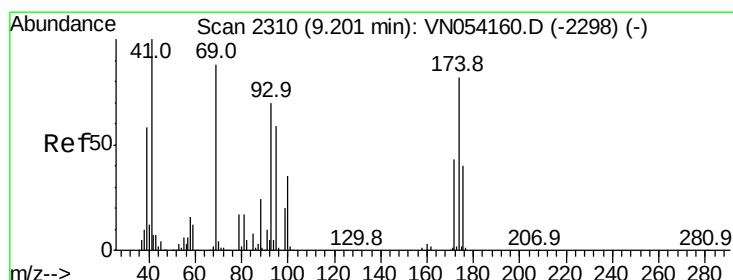
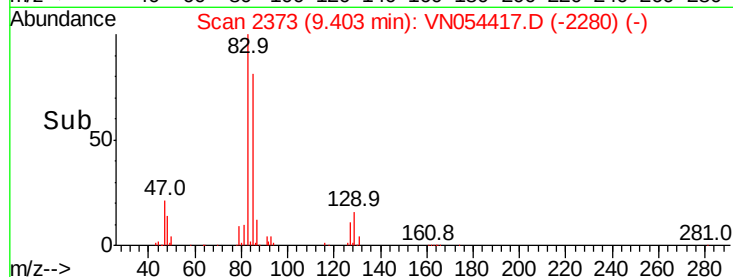
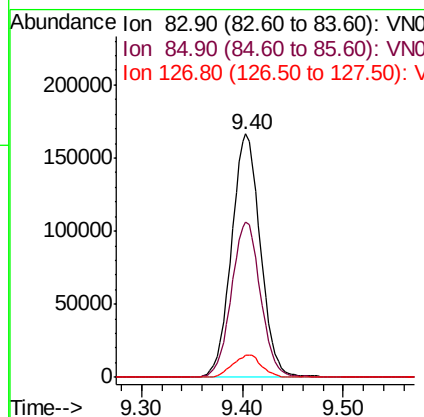
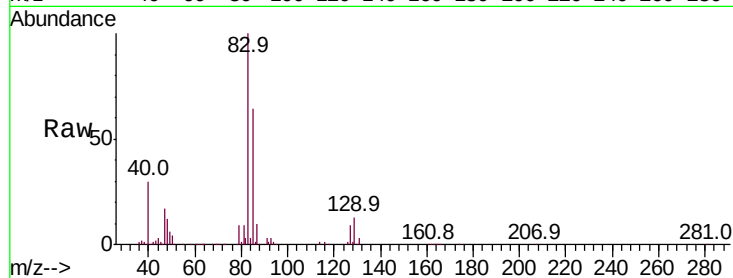
ClientSampleId :

VN0318MBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 331764 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.8  | 52.8  | 79.2   |
| 127      | 8.9   | 7.4   | 11.2   |

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#48

Methyl methacrylate

Concen: 21.209 ug/l

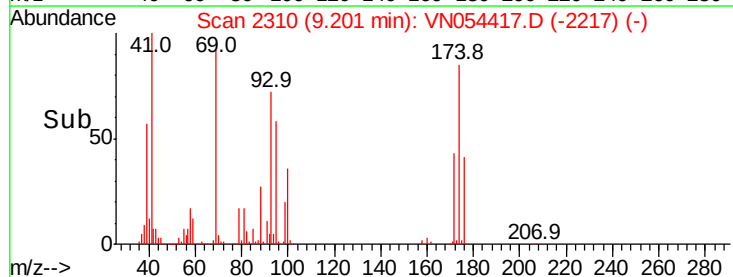
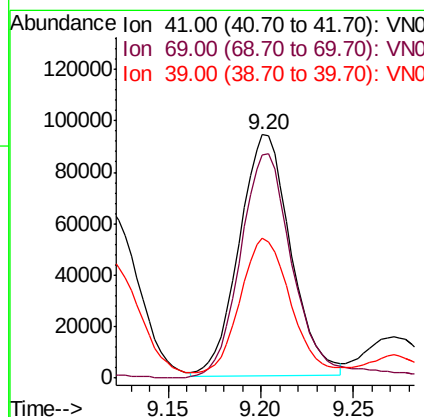
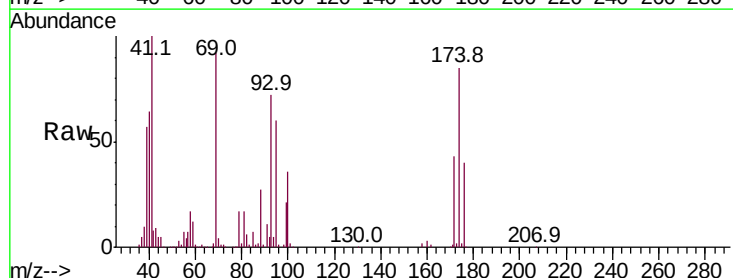
RT: 9.20 min Scan# 2310

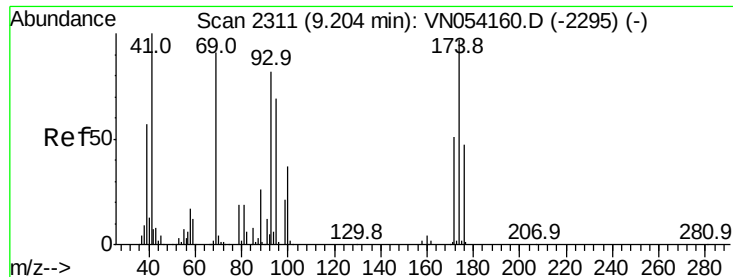
Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 182428 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 95.1  | 72.6  | 108.8  |
| 39       | 57.1  | 47.5  | 71.3   |





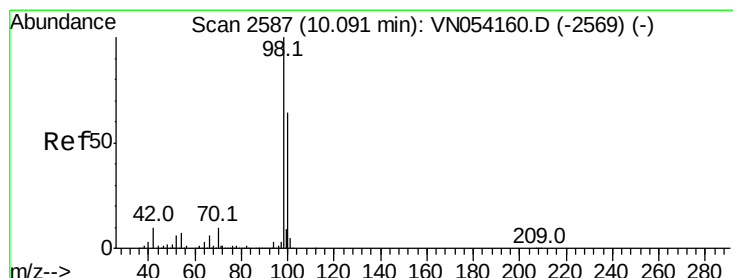
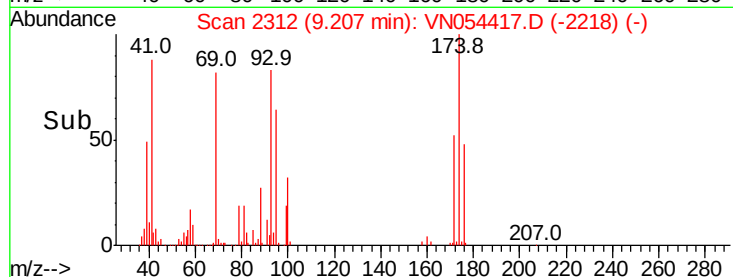
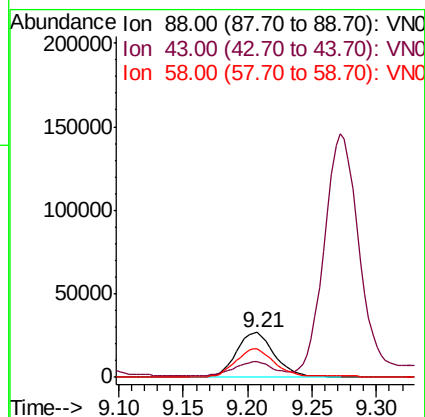
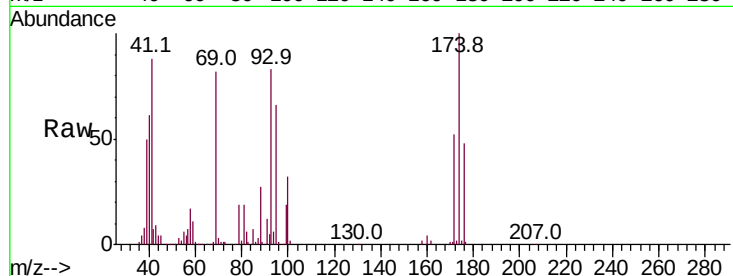
#49  
1,4-Dioxane  
Concen: 456.546 ug/l  
RT: 9.21 min Scan# 2312  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.2  | 24.1  | 36.1  |
| 58      | 64.7  | 50.8  | 76.2  |

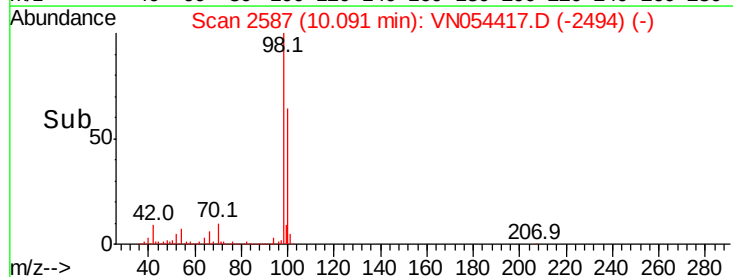
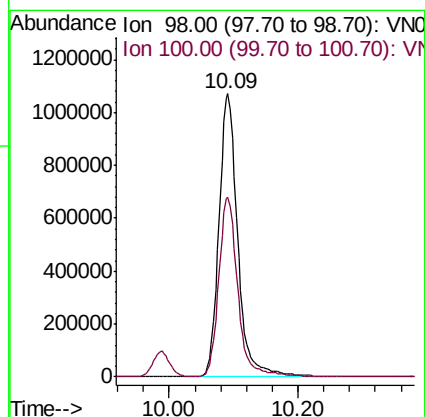
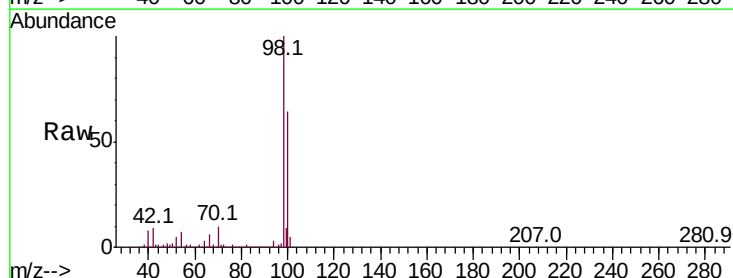
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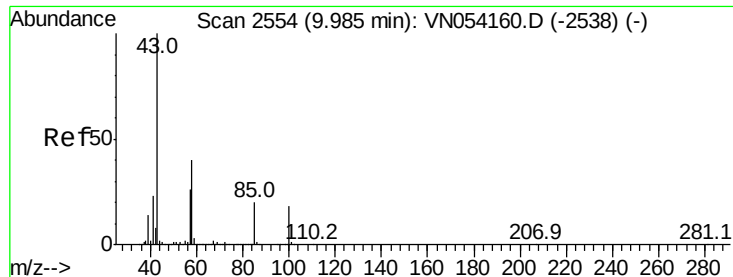
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3/19/2019 9:22:55 AM



#50  
Toluene-d8  
Concen: 49.792 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 111.993 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 43 Resp: 1004533

Ion Ratio Lower Upper

43 100

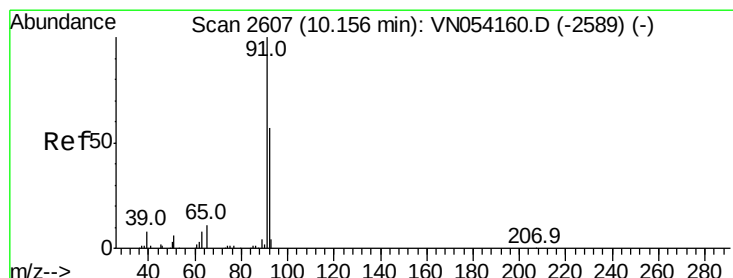
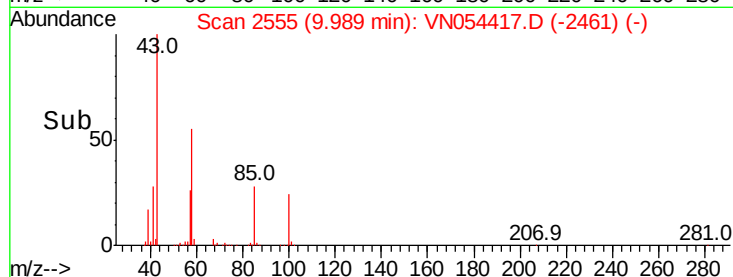
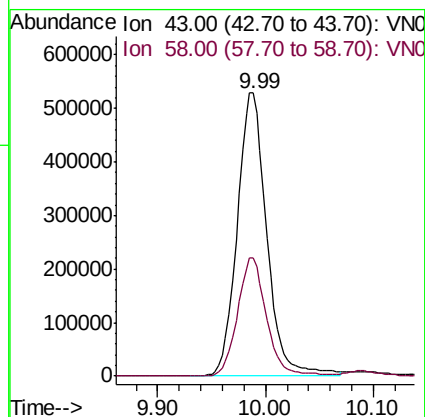
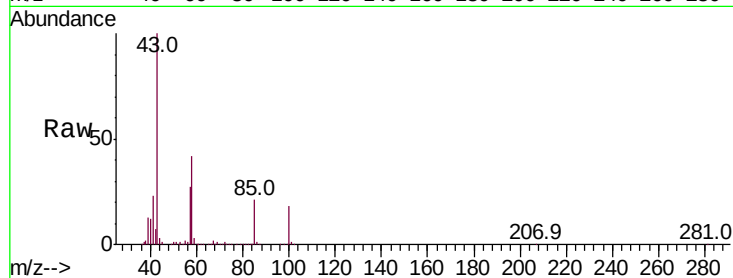
58 41.1 31.8 47.6

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#52

Toluene

Concen: 21.126 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054417.D

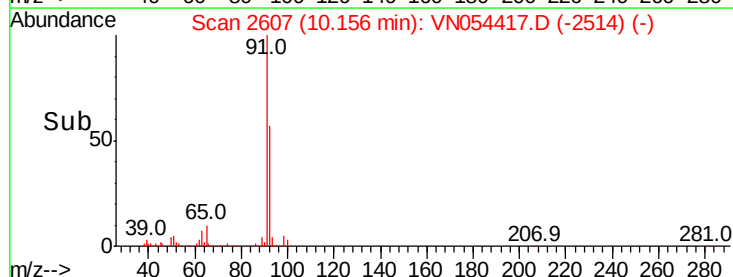
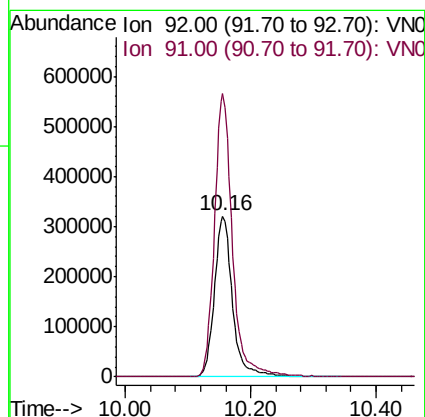
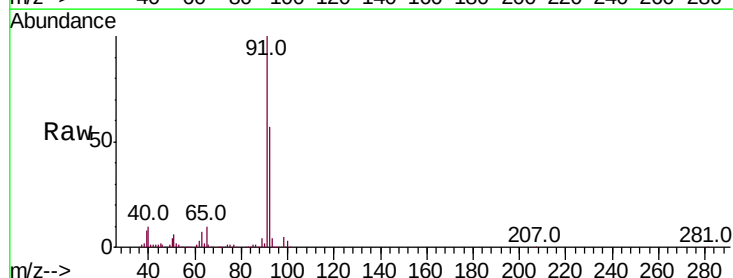
Acq: 19 Mar 2019 2:45

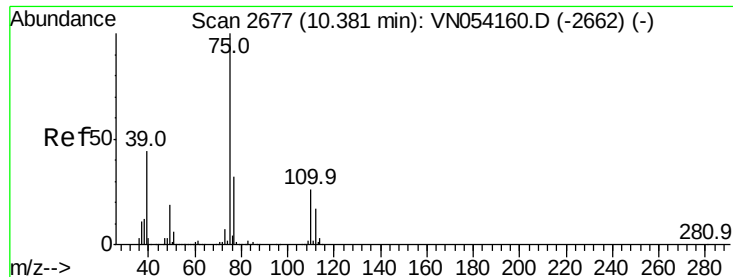
Tgt Ion: 92 Resp: 644170

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 16.399 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 75 Resp: 277667

Ion Ratio Lower Upper

75 100

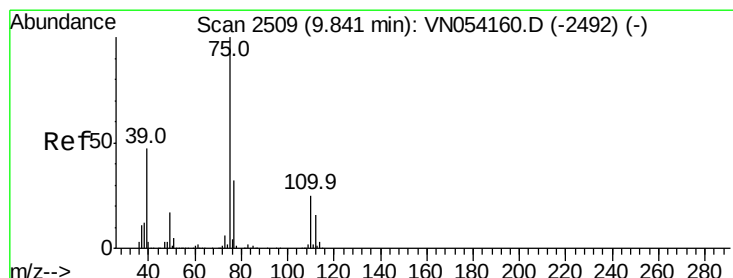
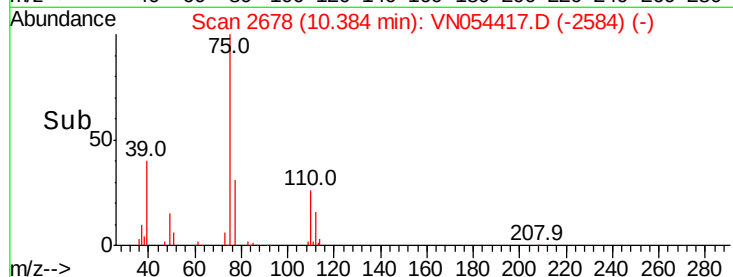
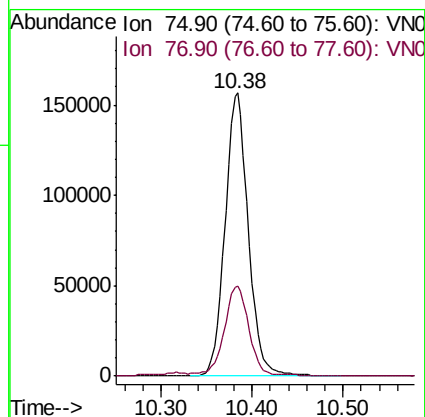
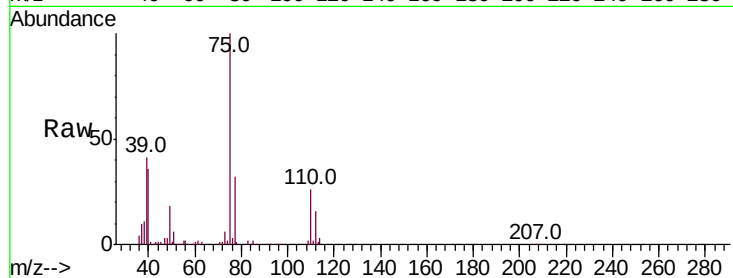
77 31.6 25.8 38.8

Manual Integrations

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3/19/2019 9:22:55 AM



#54

cis-1,3-Dichloropropene

Concen: 18.352 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

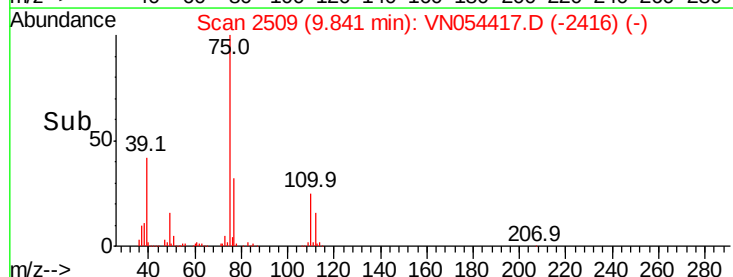
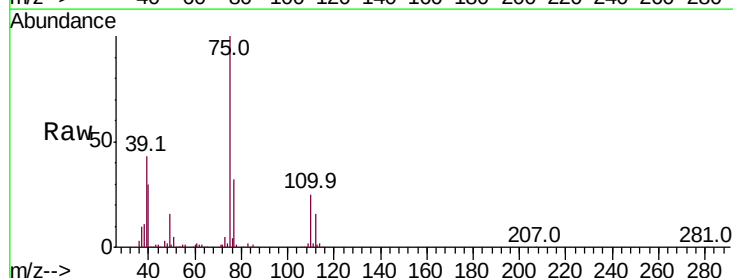
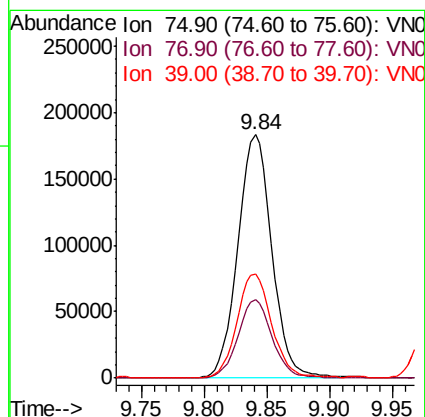
Tgt Ion: 75 Resp: 345908

Ion Ratio Lower Upper

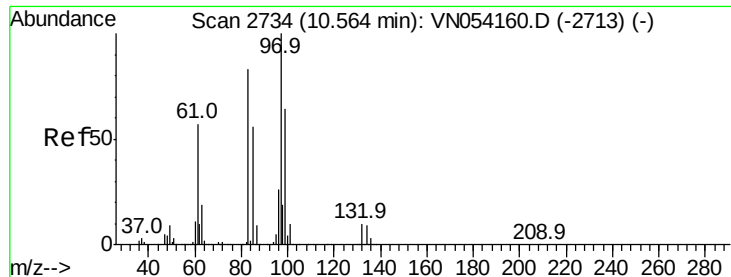
75 100

77 32.1 25.4 38.0

39 42.4 37.2 55.8







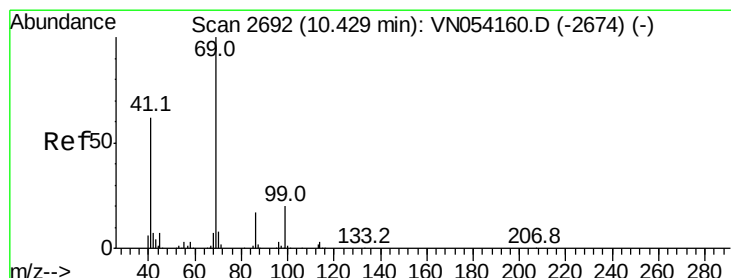
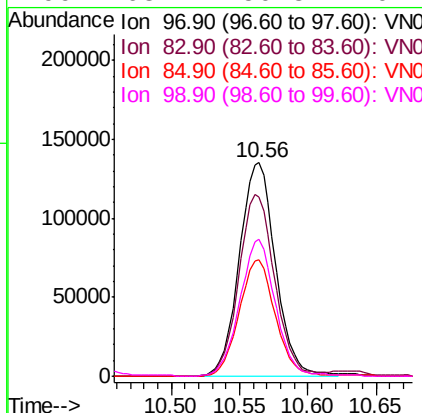
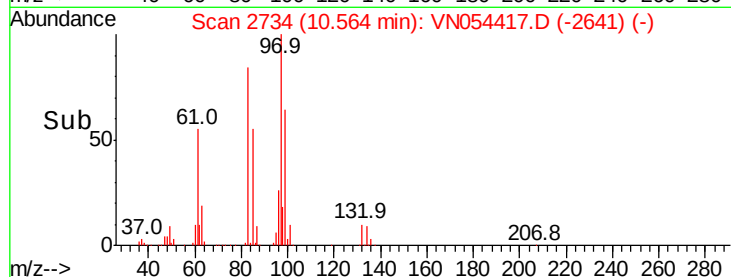
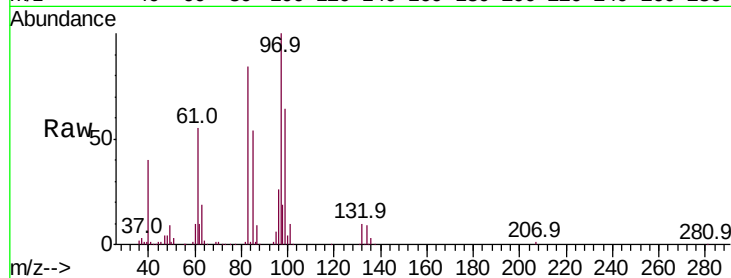
#55  
 1,1,2-Trichloroethane  
 Concen: 22.419 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 83.7  | 66.6  | 100.0 |
| 85      | 54.5  | 44.4  | 66.6  |
| 99      | 63.7  | 50.8  | 76.2  |

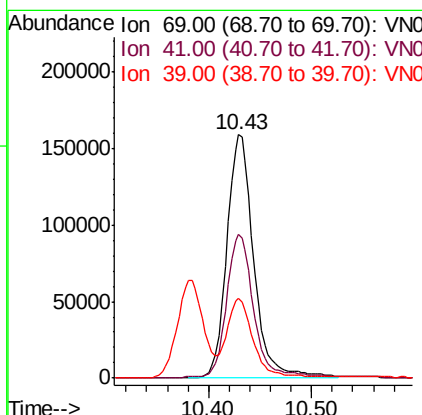
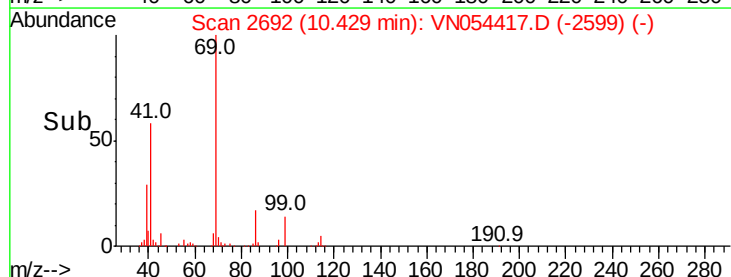
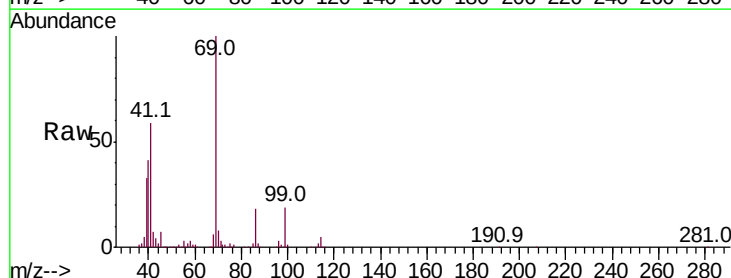
Manual Integrations  
 APPROVED

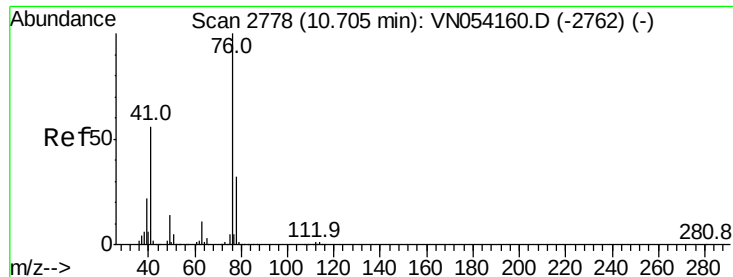
MMDadoda  
 3/19/2019 9:22:55 AM



#56  
 Ethyl methacrylate  
 Concen: 21.810 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 59.6  | 49.4  | 74.2  |
| 39      | 31.1  | 28.3  | 42.5  |





#57

1,3-Dichloropropane

Concen: 21.978 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054417.D

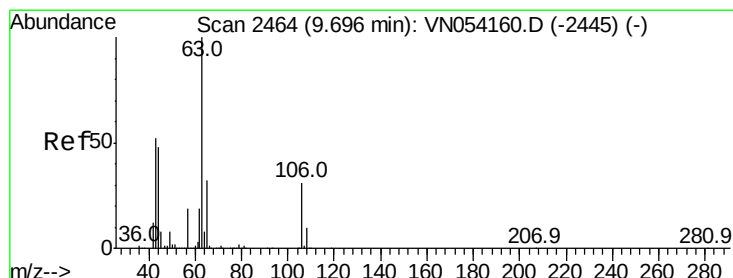
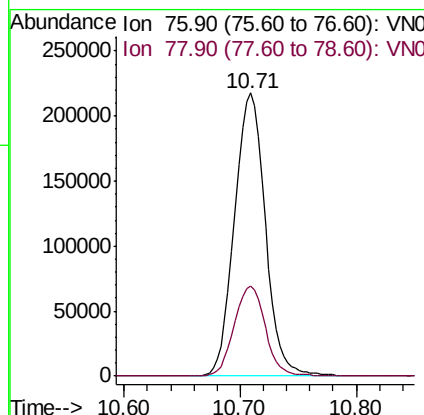
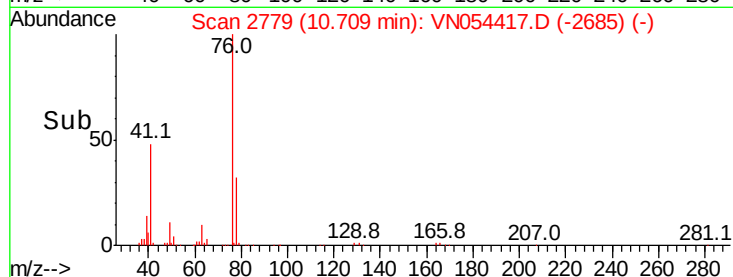
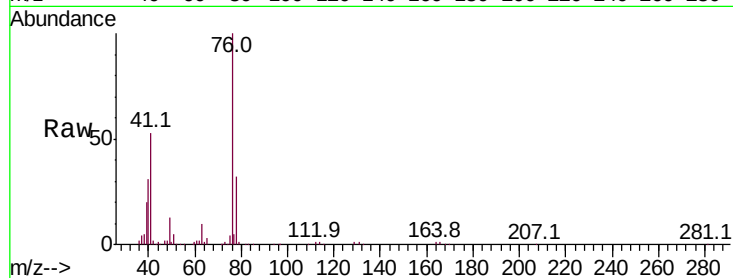
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 25.7  | 38.5  |

Manual Integrations  
APPROVED

MMDadoda  
3/19/2019 9:22:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 107.068 ug/l

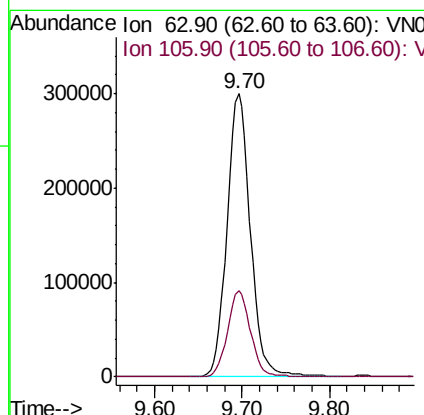
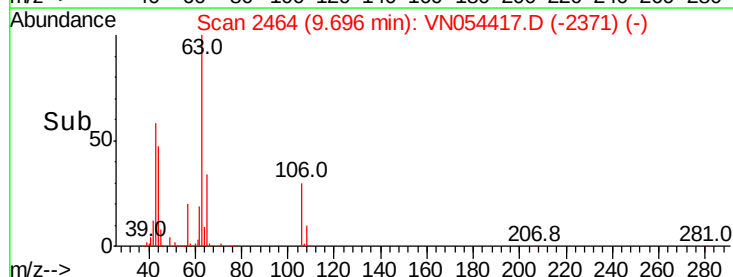
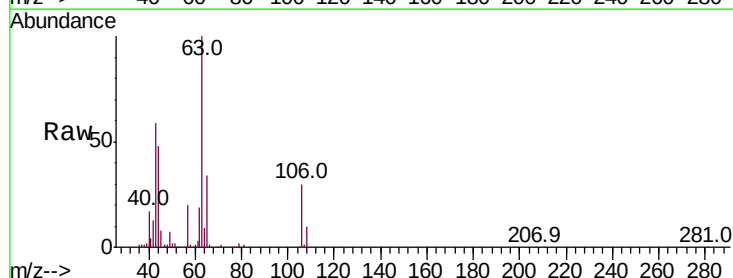
RT: 9.70 min Scan# 2464

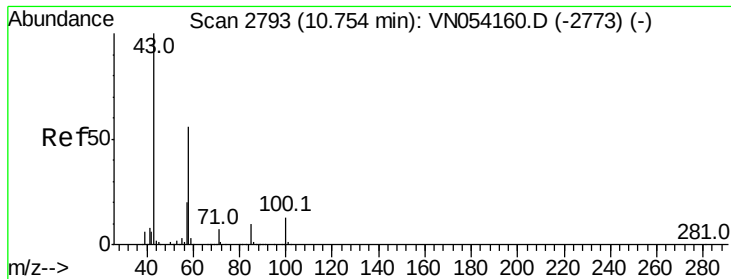
Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.9  | 24.4  | 36.6  |





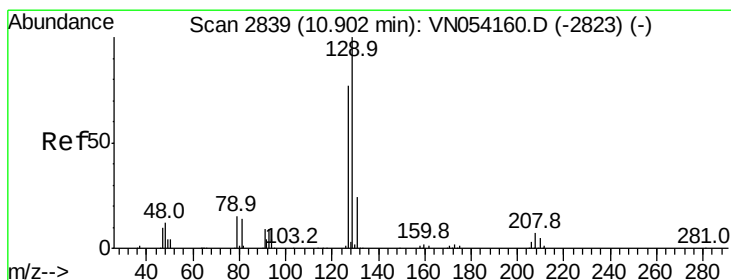
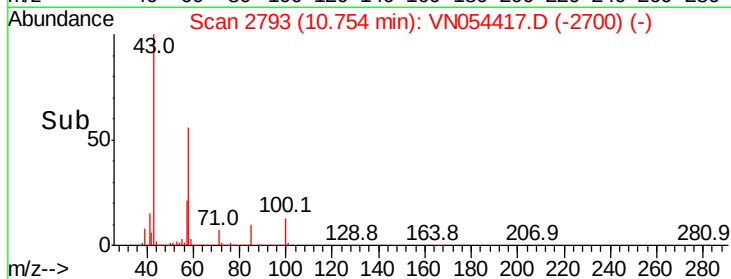
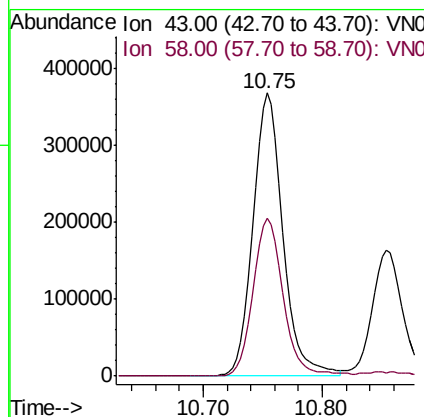
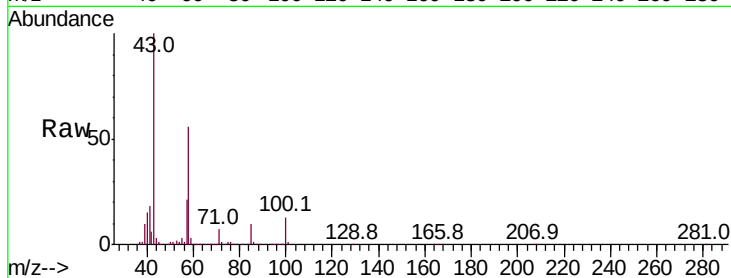
#59  
2-Hexanone  
Concen: 106.700 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | 43   | 58 | Ratio | 100 | Resp | 636821 | Lower | Upper |
|---------|------|----|-------|-----|------|--------|-------|-------|
| 43      | 100  |    |       |     |      |        |       |       |
| 58      | 56.7 |    | 28.0  |     | 83.9 |        |       |       |

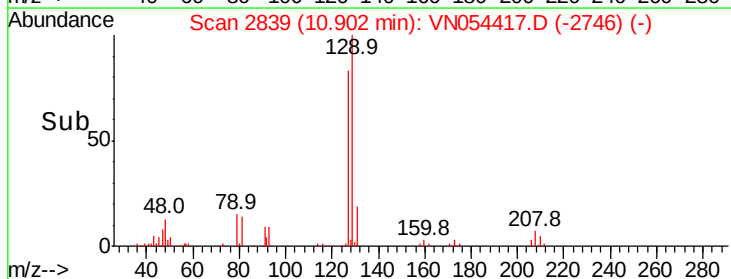
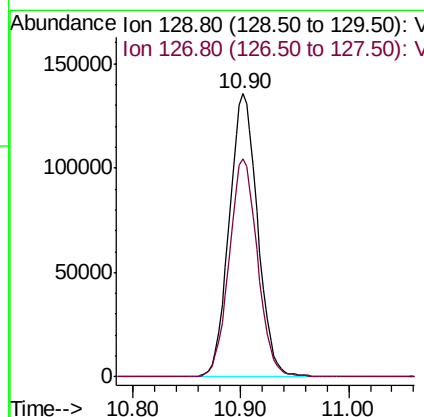
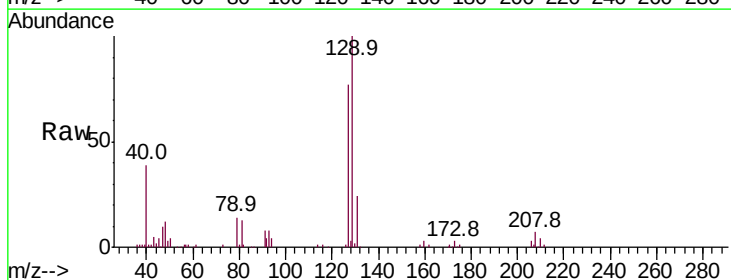
Manual Integrations  
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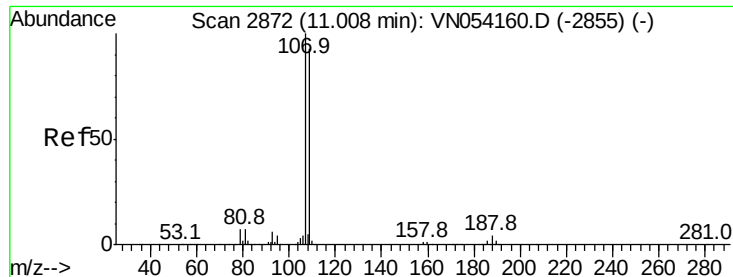
MMDadoda  
3/19/2019 9:22:55 AM



#60  
Dibromochloromethane  
Concen: 19.836 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | 129  | 127 | Ratio | 100 | Resp  | 248587 | Lower | Upper |
|---------|------|-----|-------|-----|-------|--------|-------|-------|
| 129     | 100  |     |       |     |       |        |       |       |
| 127     | 77.2 |     | 38.6  |     | 115.8 |        |       |       |





#61

1,2-Dibromoethane

Concen: 21.658 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion:107 Resp: 245049

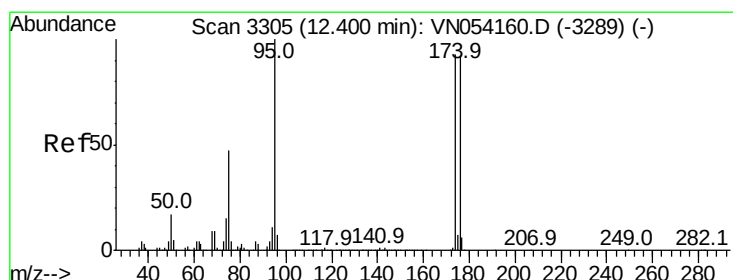
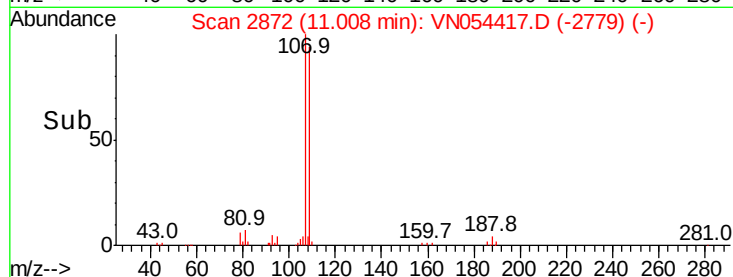
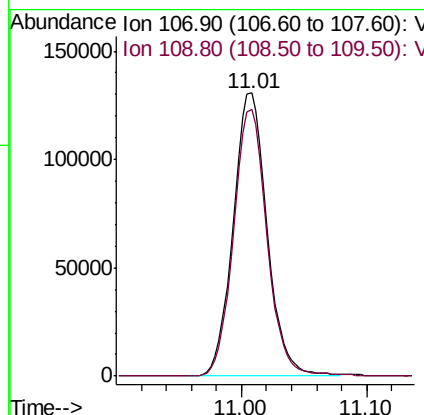
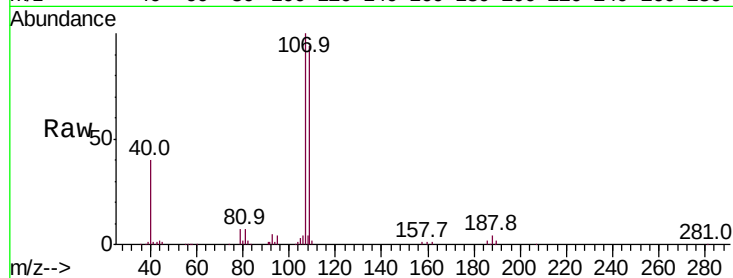
Ion Ratio Lower Upper

107 100

109 93.5 75.9 113.9

Manual Integrations  
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3/19/2019 9:22:55 AM



#62

4-Bromofluorobenzene

Concen: 47.781 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

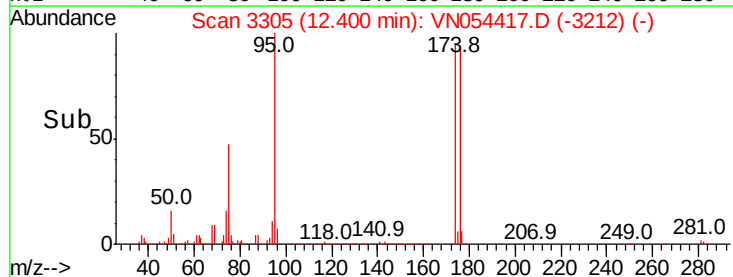
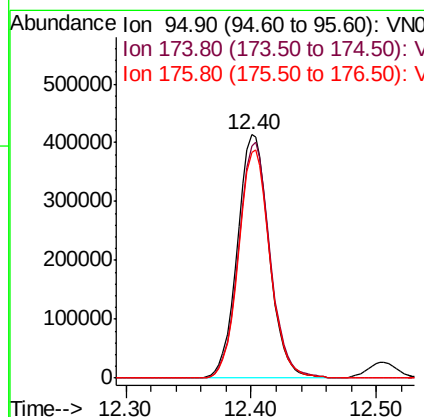
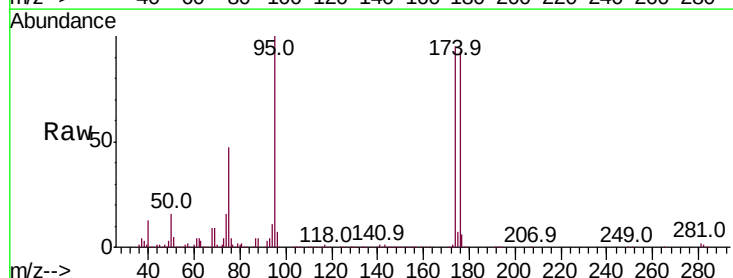
Tgt Ion: 95 Resp: 726706

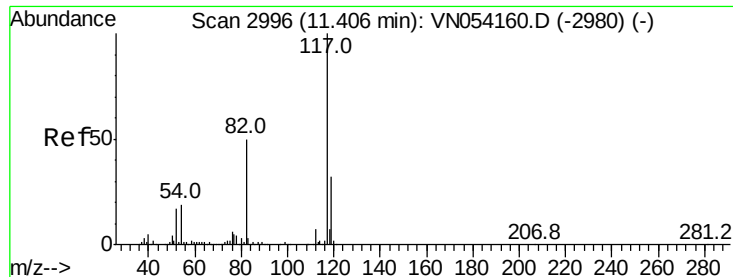
Ion Ratio Lower Upper

95 100

174 96.2 0.0 191.0

176 92.8 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampled :

VN0318MBS02

Tot Ion:117 Resp: 1592255

Ion Ratio Lower Upper

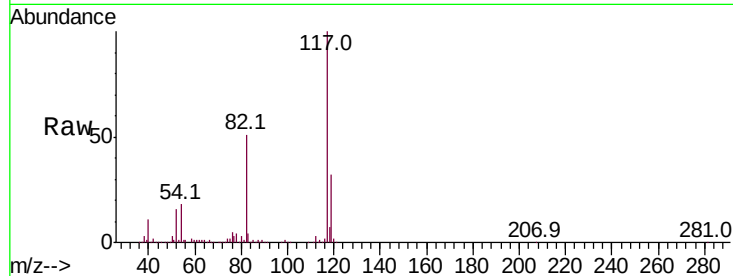
117 100

82 50.9 40.0 60.0

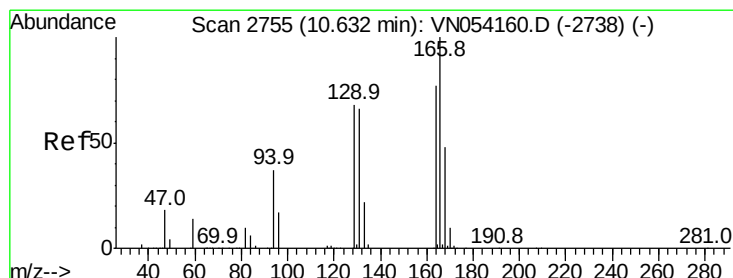
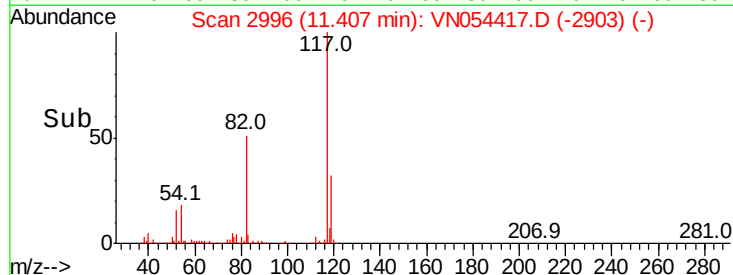
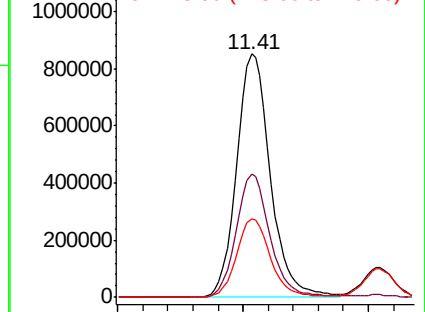
119 32.2 25.8 38.6

Manual Integrations  
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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: 20.458 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Tgt Ion:164 Resp: 314939

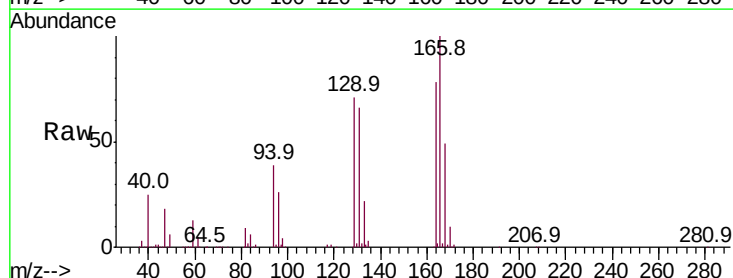
Ion Ratio Lower Upper

164 100

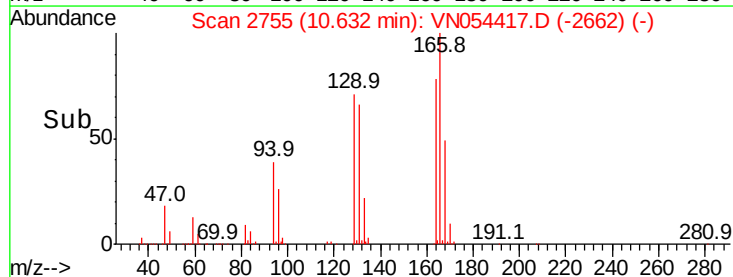
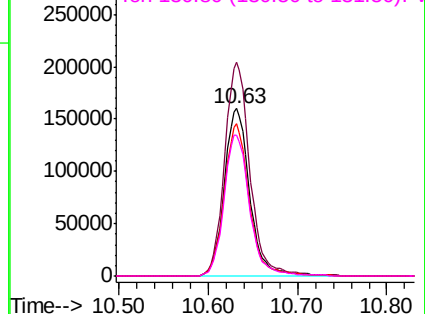
166 127.6 103.9 155.9

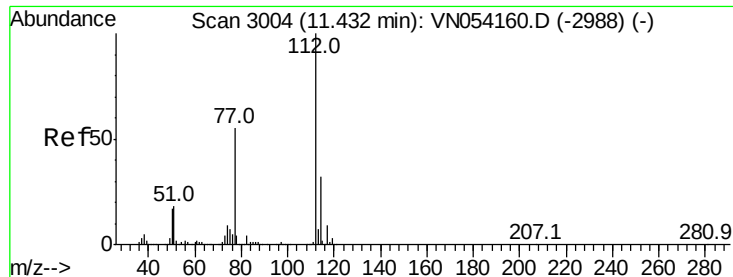
129 90.8 71.1 106.7

131 84.4 68.2 102.4



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: 21.106 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion:112 Resp: 737884

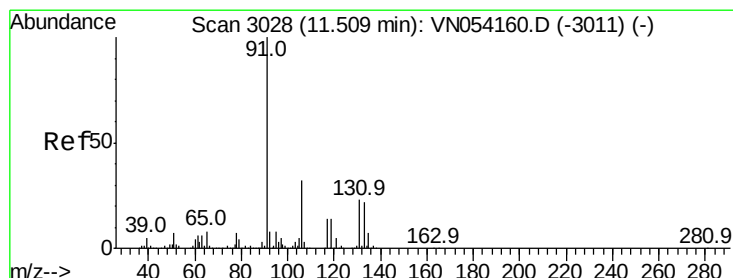
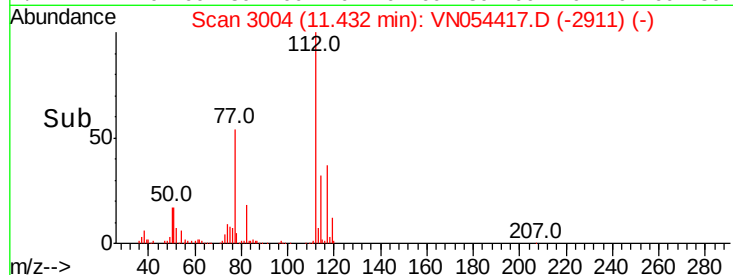
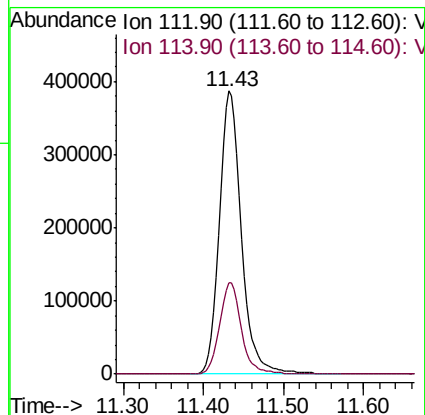
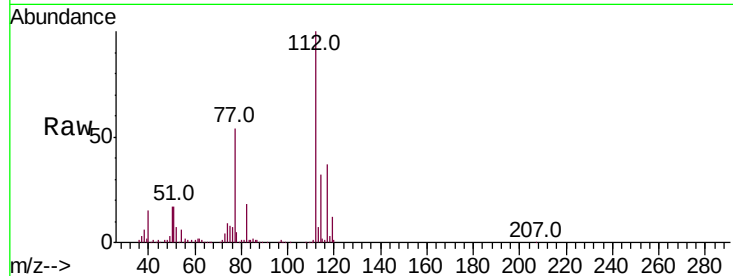
Ion Ratio Lower Upper

112 100

114 32.2 25.9 38.9

Manual Integrations  
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3/19/2019 9:22:55 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.713 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

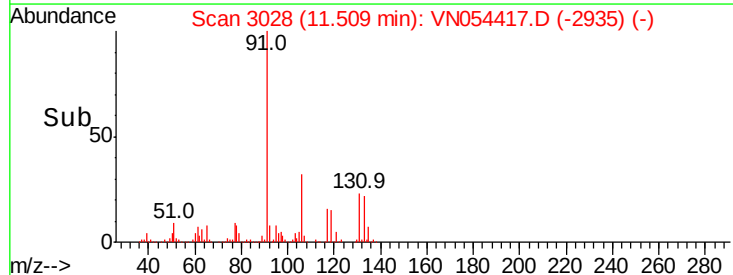
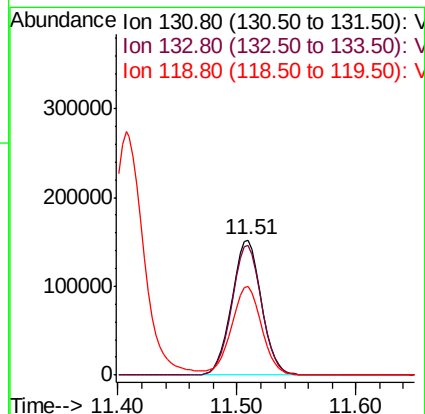
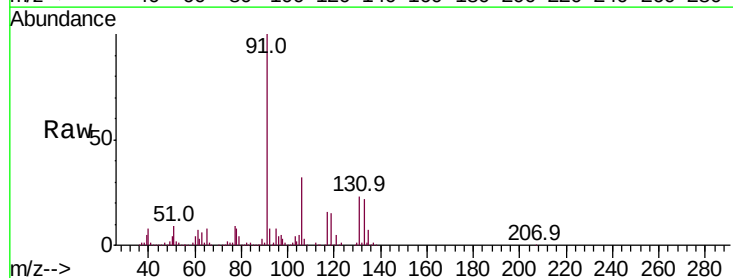
Tgt Ion:131 Resp: 263068

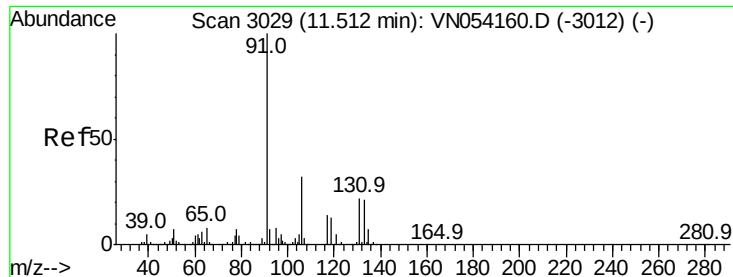
Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.9

119 67.3 32.4 97.0





#67

Ethyl Benzene

Concen: 20.508 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampled :

VN0318MBS02

Tot Ion: 91 Resp: 1188550

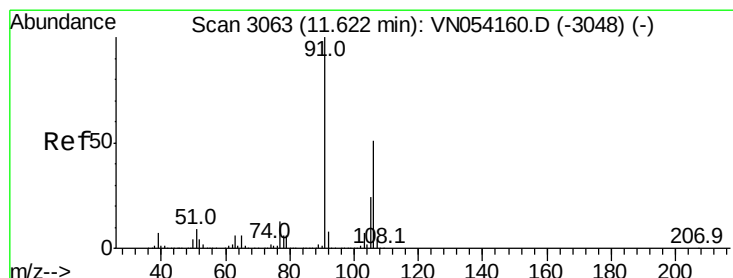
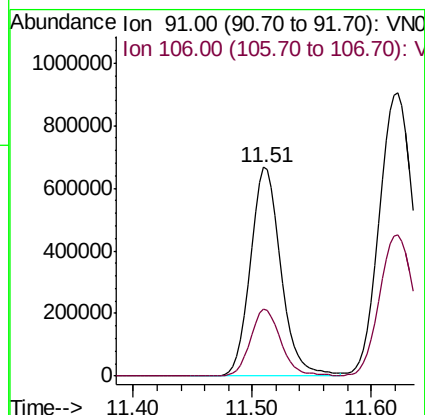
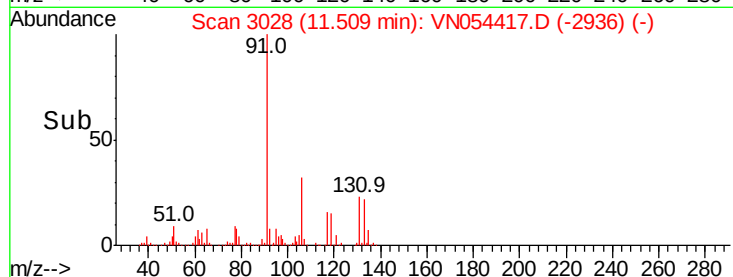
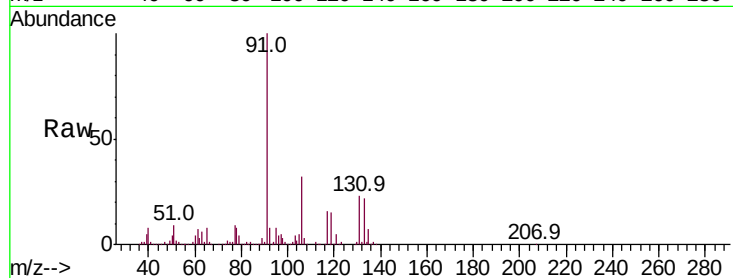
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3

Manual Integrations  
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#68

m/p-Xylenes

Concen: 41.120 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054417.D

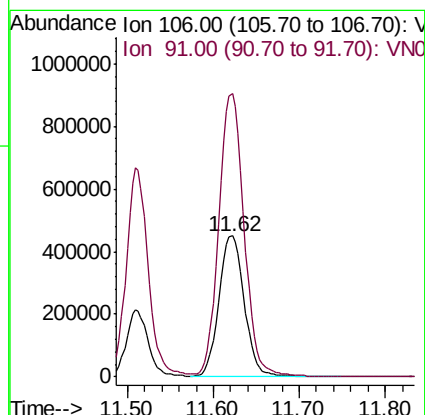
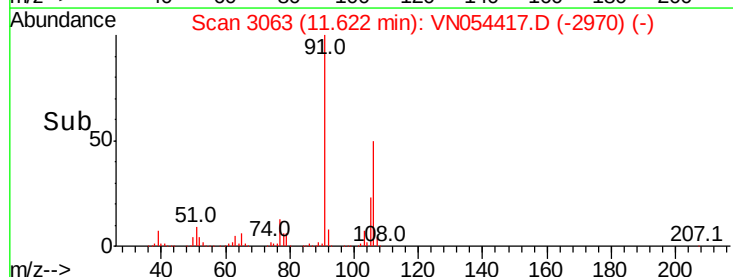
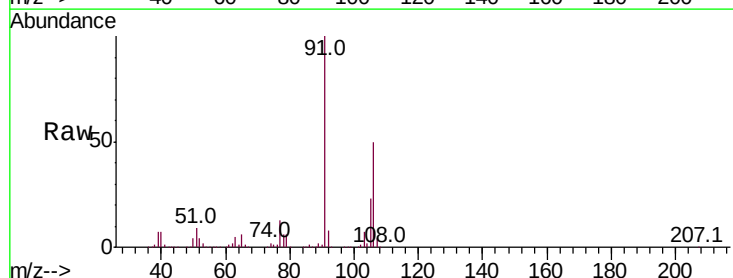
Acq: 19 Mar 2019 2:45

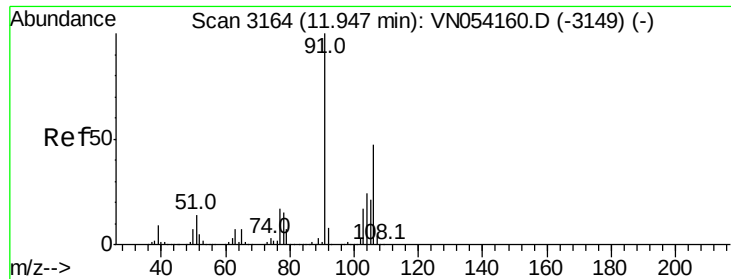
Tgt Ion: 106 Resp: 931431

Ion Ratio Lower Upper

106 100

91 199.8 159.4 239.2





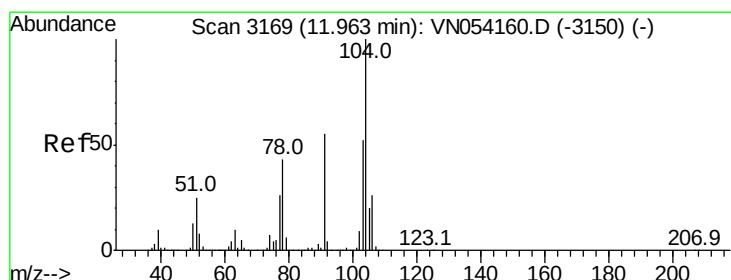
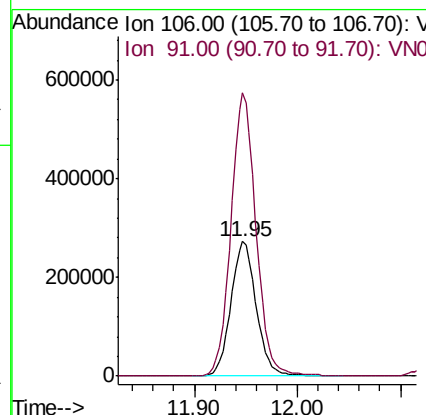
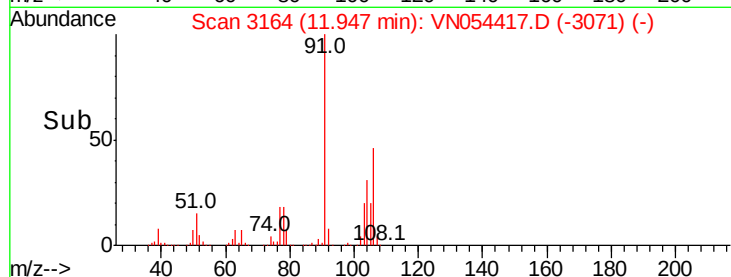
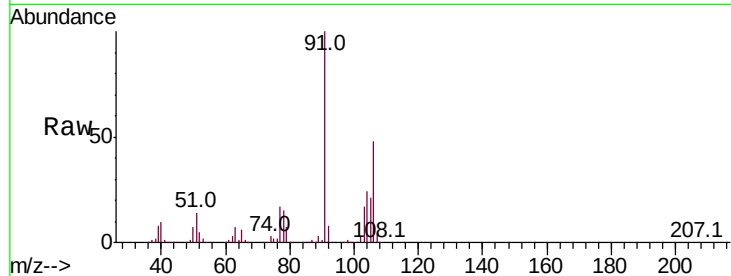
#69  
o-Xylene  
Concen: 21.155 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

Tot Ion:106 Resp: 467141  
Ion Ratio Lower Upper  
106 100  
91 207.8 105.7 317.1

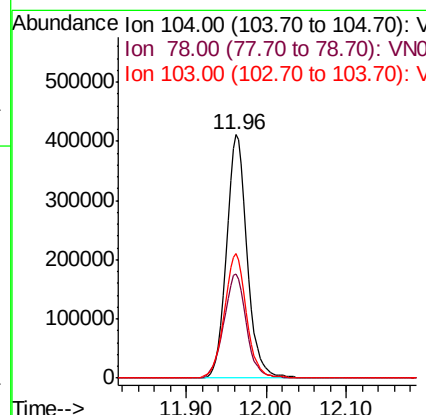
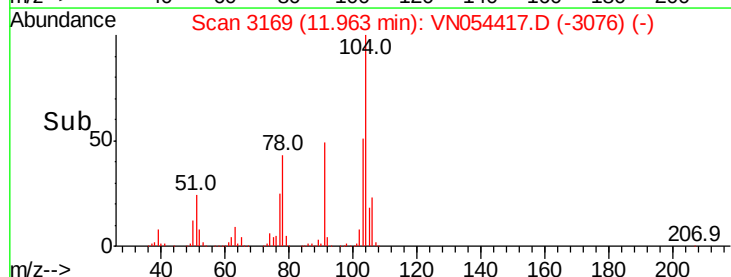
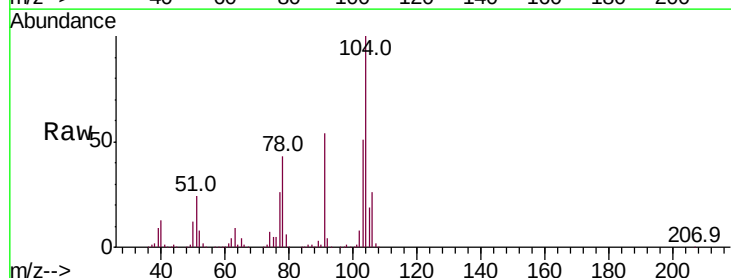
Manual Integrations  
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MMDadoda  
3/19/2019 9:22:55 AM

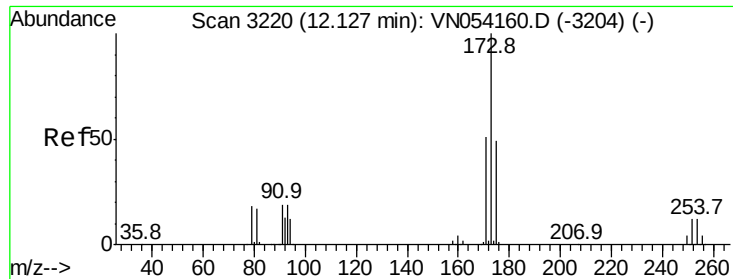


#70  
Styrene  
Concen: 21.117 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Tgt Ion:104 Resp: 731292  
Ion Ratio Lower Upper  
104 100  
78 47.0 38.2 57.2  
103 55.3 44.4 66.6







#71

Bromoform

Concen: 17.758 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion:173 Resp: 156528

Ion Ratio Lower Upper

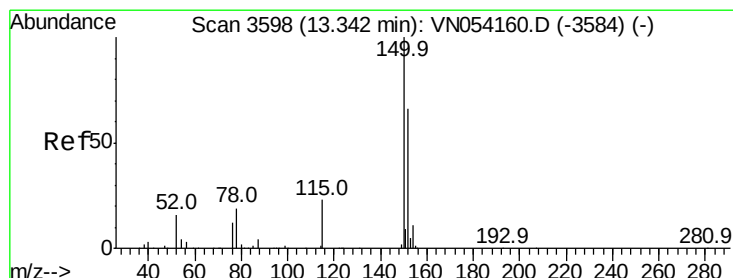
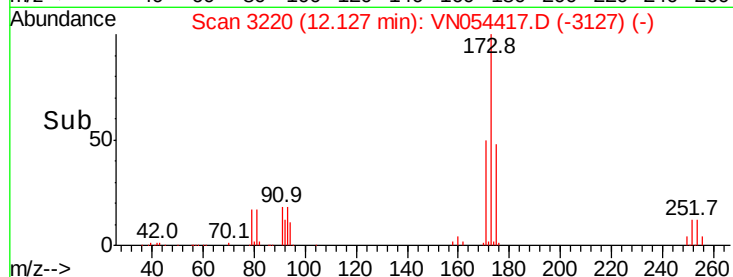
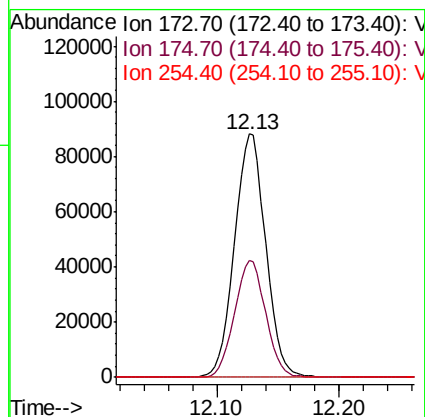
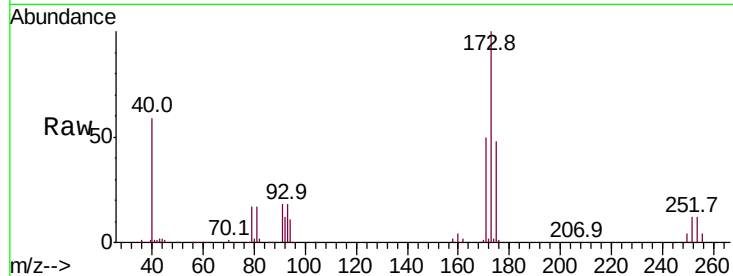
173 100

175 48.0 24.4 73.2

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

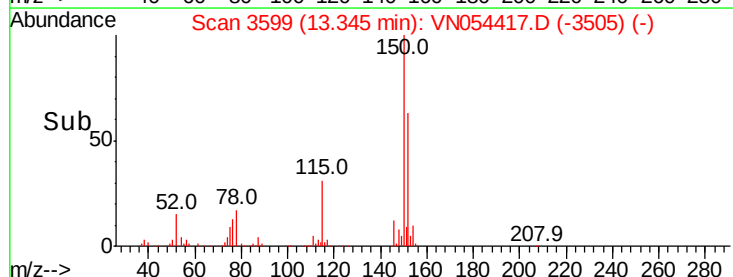
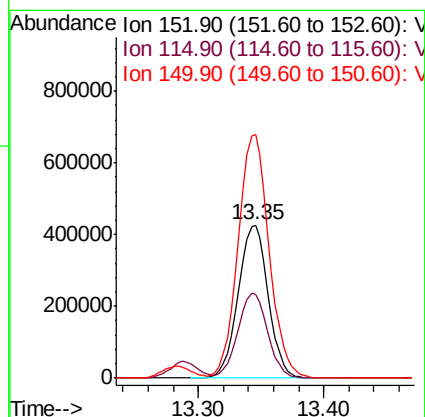
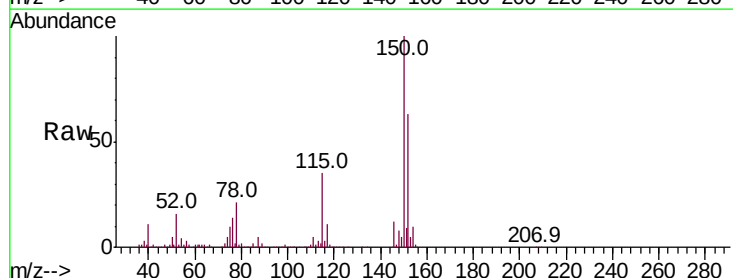
Tgt Ion:152 Resp: 706490

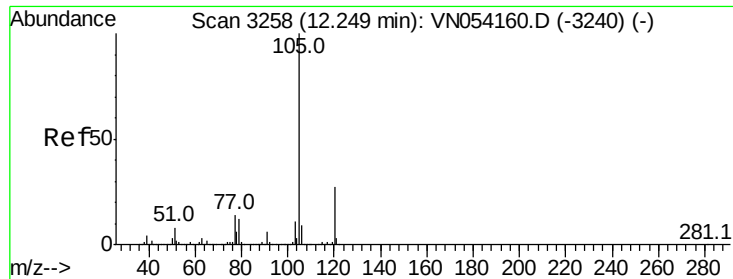
Ion Ratio Lower Upper

152 100

115 55.5 27.2 81.6

150 165.4 0.0 349.2





#73

Isopropylbenzene

Concen: 21.401 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion:105 Resp: 1209643

Ion Ratio Lower Upper

105 100

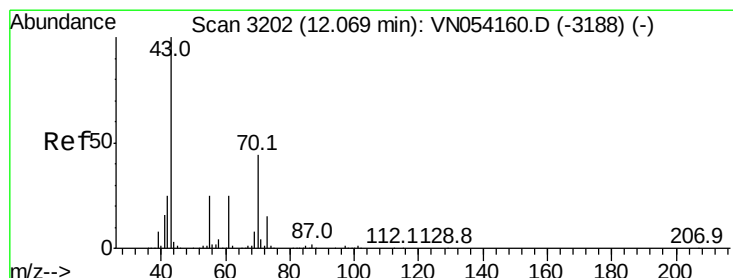
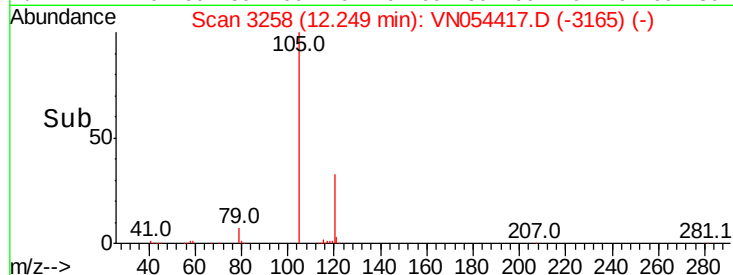
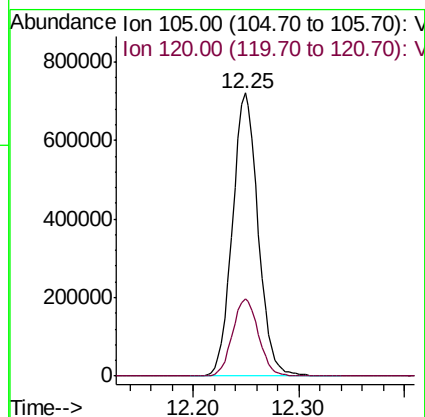
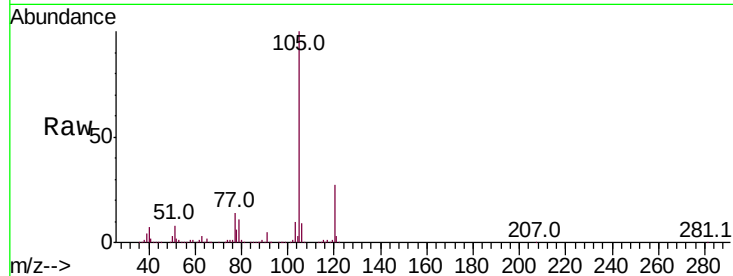
120 27.8 13.8 41.3

Manual Integrations

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MMDadoda

3/19/2019 9:22:55 AM



#74

N-ethyl acetate

Concen: 21.654 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Tgt Ion: 43 Resp: 271676

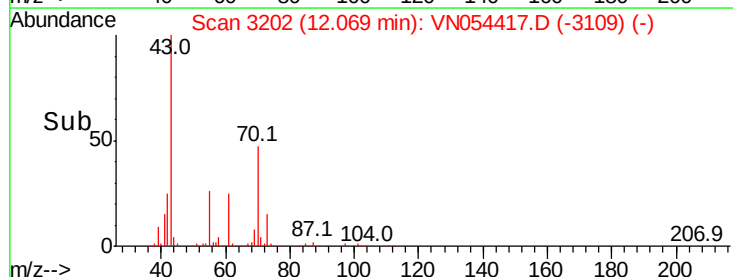
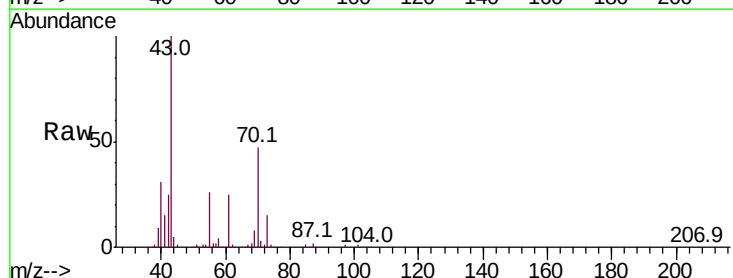
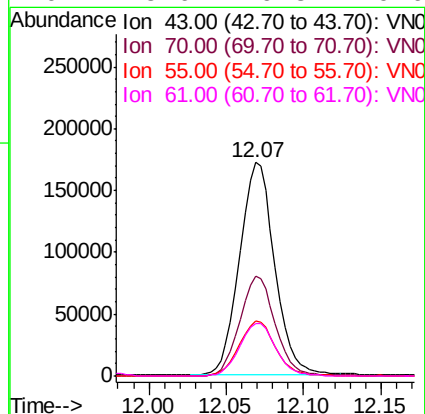
Ion Ratio Lower Upper

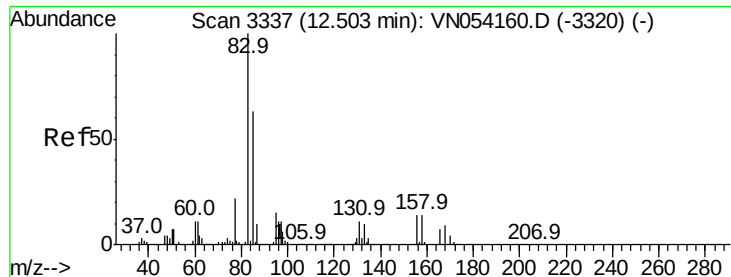
43 100

70 47.5 35.4 53.0

55 26.9 19.8 29.6

61 25.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.500 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion: 83 Resp: 283008

Ion Ratio Lower Upper

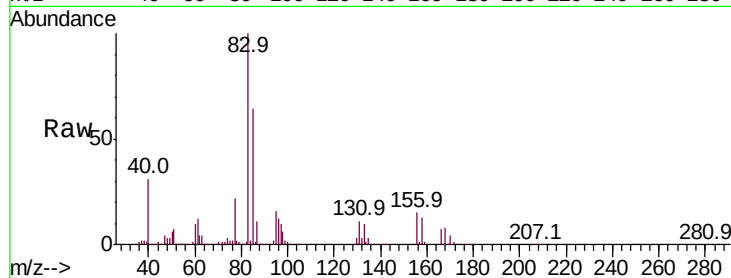
83 100

131 11.7 5.8 17.4

85 64.7 32.2 96.6

Manual Integrations  
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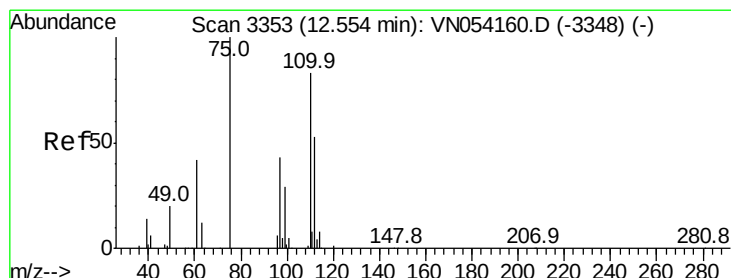
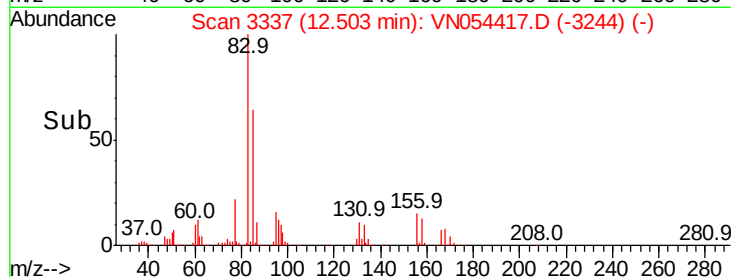
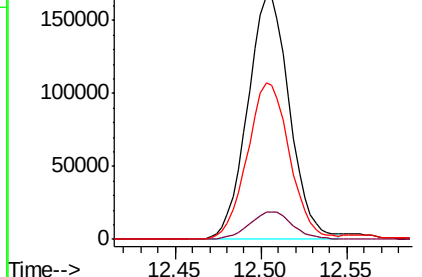
MMDadoda  
3/19/2019 9:22:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.666 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054417.D

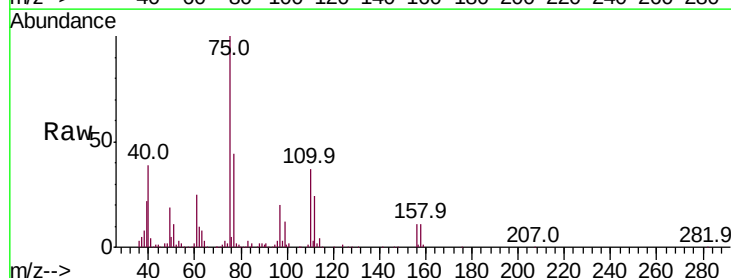
Acq: 19 Mar 2019 2:45

Tgt Ion: 75 Resp: 245874

Ion Ratio Lower Upper

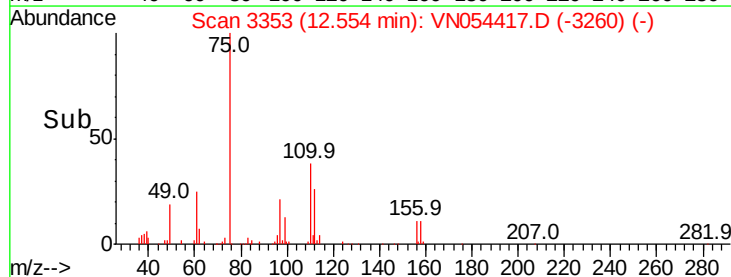
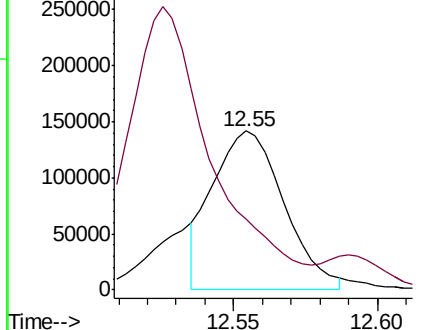
75 100

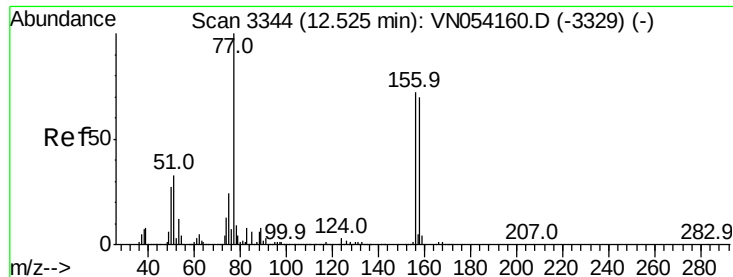
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion:156 Resp: 323788

Ion Ratio Lower Upper

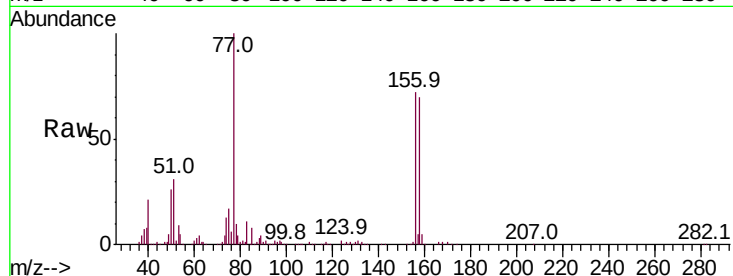
156 100

77 160.7 81.5 244.4

158 97.3 49.0 147.2

Manual Integrations  
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3/19/2019 9:22:55 AM



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

300000

200000

100000

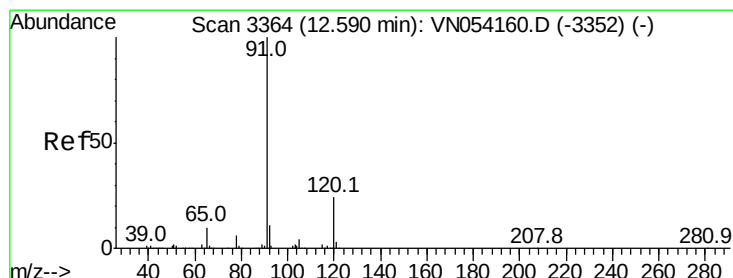
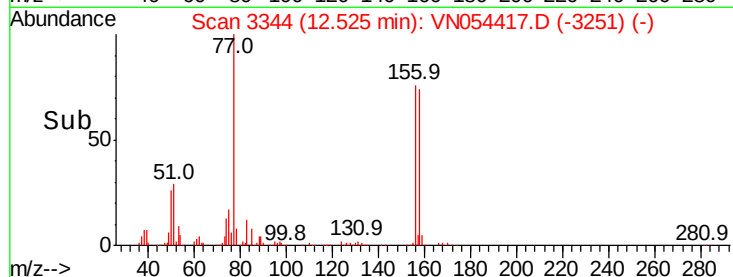
0

12.53

12.50

12.60

Time-->



#78

n-propylbenzene

Concen: 20.833 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054417.D

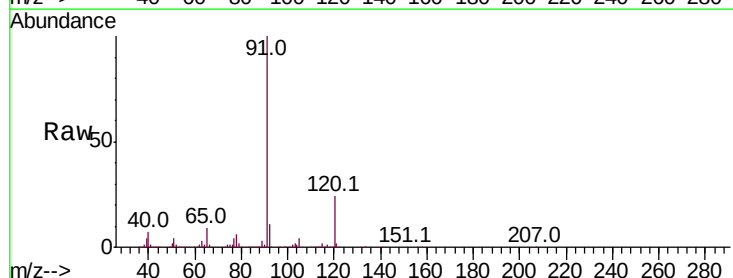
Acq: 19 Mar 2019 2:45

Tgt Ion: 91 Resp: 1277703

Ion Ratio Lower Upper

91 100

120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

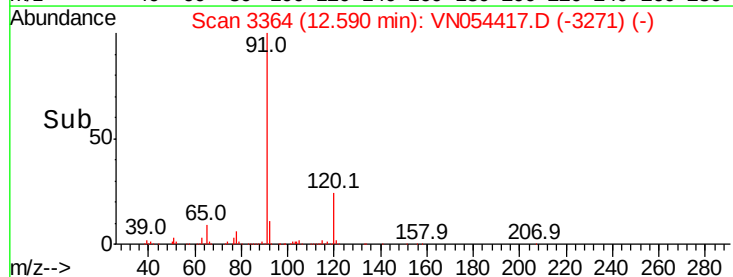
12.59

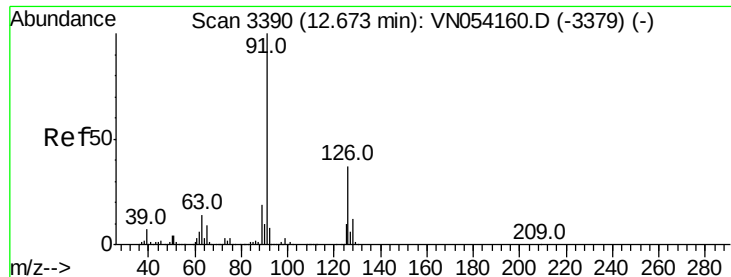
12.55

12.60

12.65

Time-->





#79

2-Chlorotoluene

Concen: 21.589 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampled :

VN0318MBS02

Tot Ion: 91 Resp: 796140

Ion Ratio Lower Upper

91 100

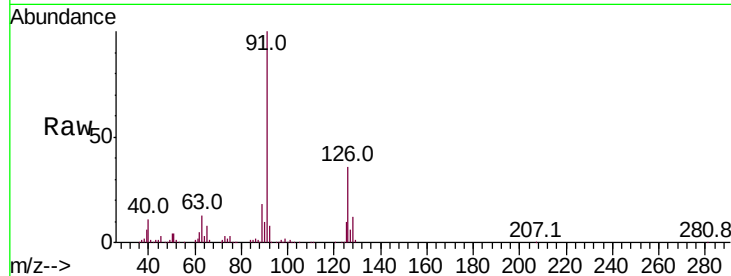
126 37.4 18.7 56.1

Manual Integrations

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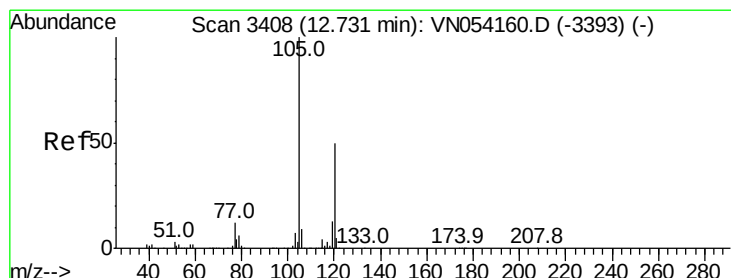
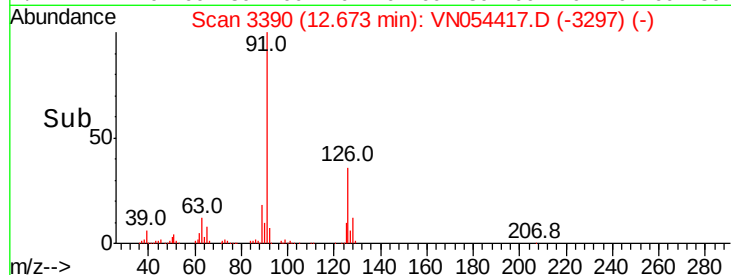
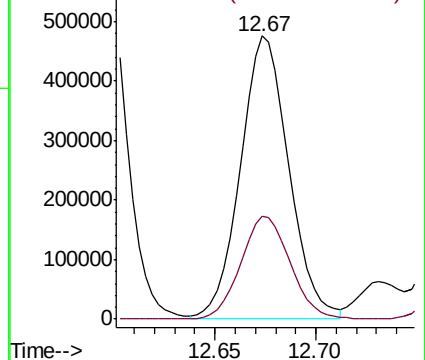
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.888 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054417.D

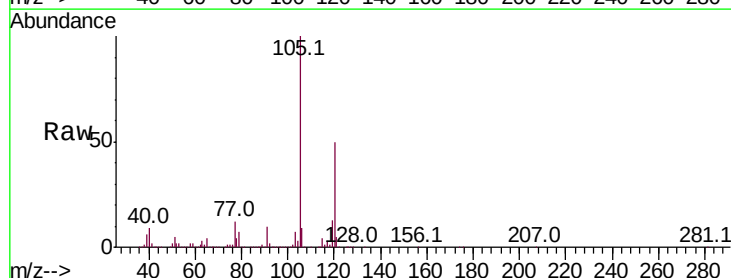
Acq: 19 Mar 2019 2:45

Tgt Ion:105 Resp: 982064

Ion Ratio Lower Upper

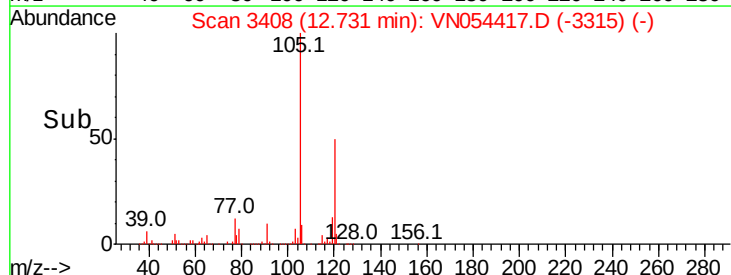
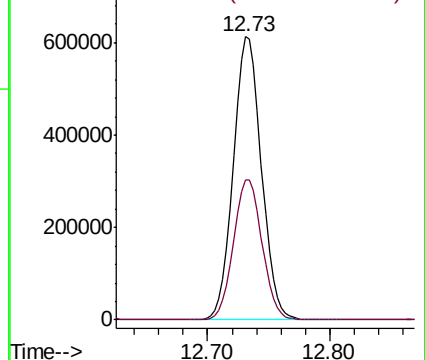
105 100

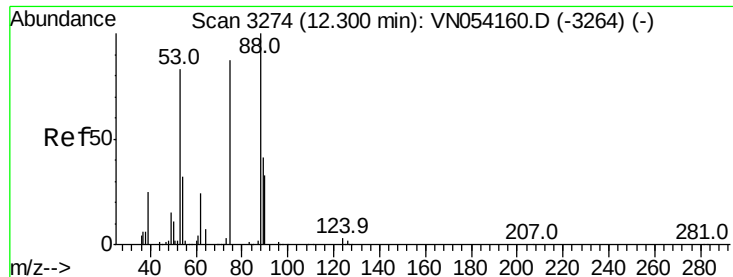
120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





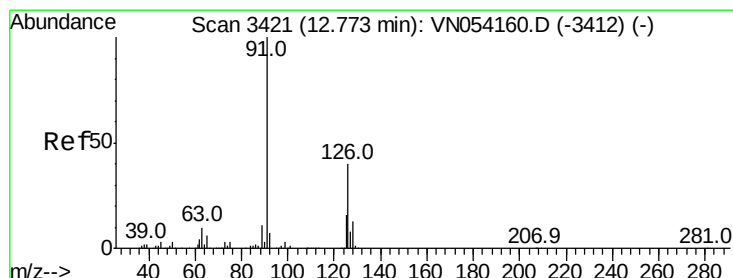
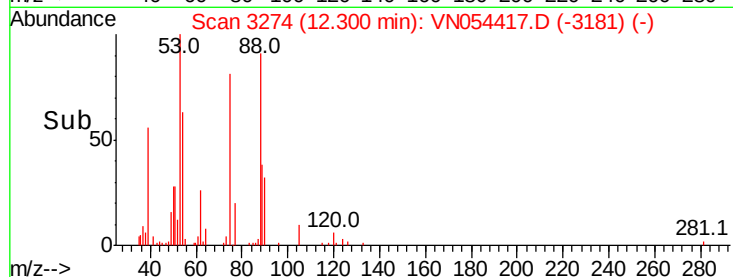
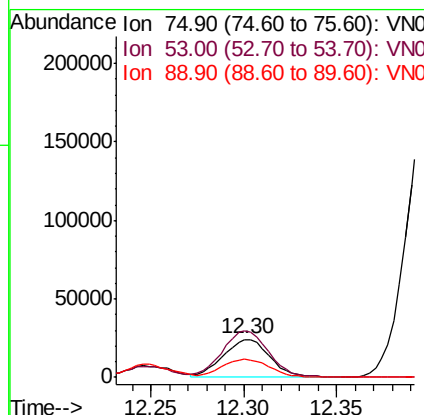
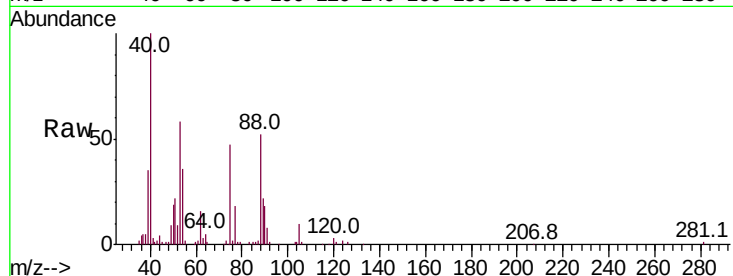
#81  
trans-1,4-Dichloro-2-butene  
Concen: 13.798 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

Tot Ion: 75 Resp: 41936  
Ion Ratio Lower Upper  
75 100  
53 125.2 76.2 114.2#  
89 49.8 39.2 58.8

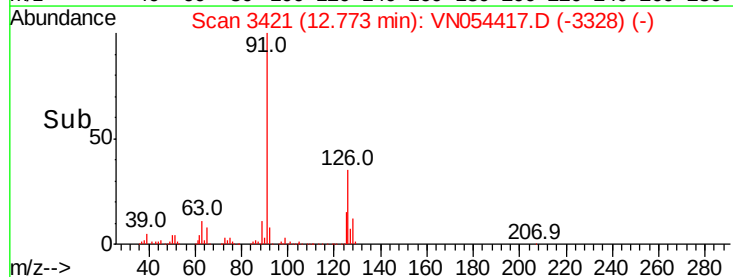
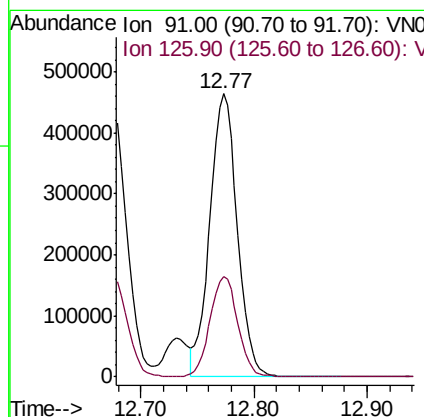
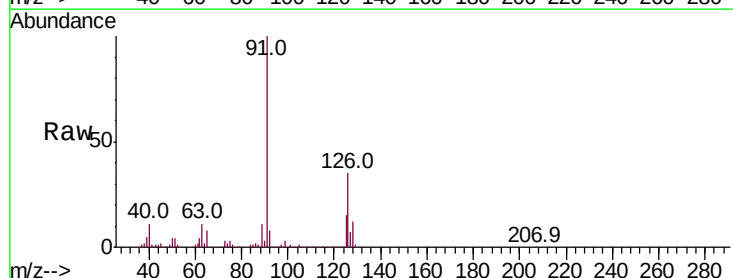
Manual Integrations  
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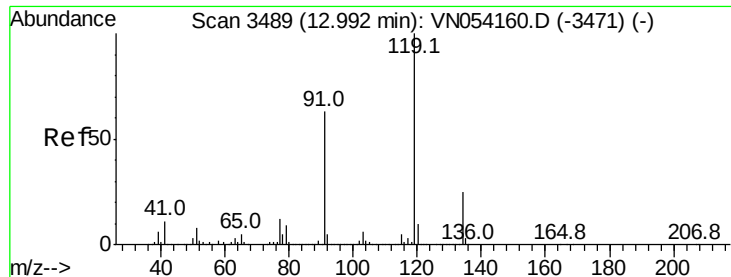
MMDadoda  
3/19/2019 9:22:55 AM



#82  
4-Chlorotoluene  
Concen: 21.040 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Tgt Ion: 91 Resp: 774755  
Ion Ratio Lower Upper  
91 100  
126 36.1 18.1 54.1





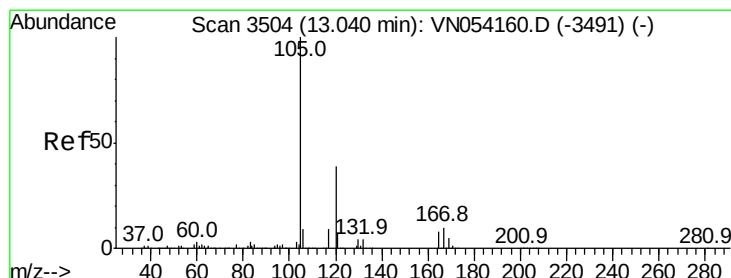
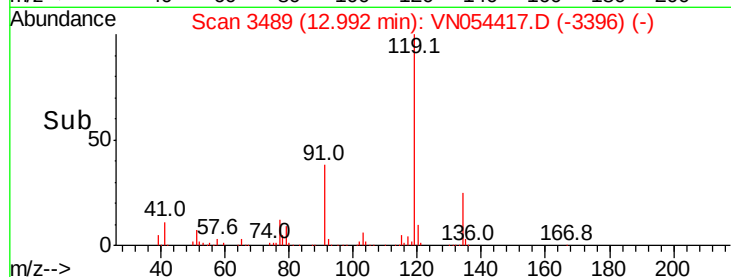
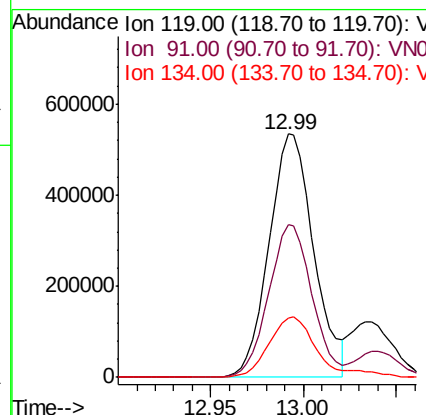
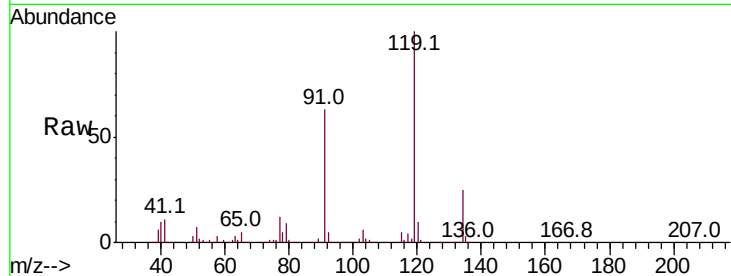
#83  
tert-Butylbenzene  
Concen: 20.778 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 899167 |       |       |
| 91      | 60.7  | 30.9   | 92.8  |       |
| 134     | 26.9  | 13.2   | 39.6  |       |

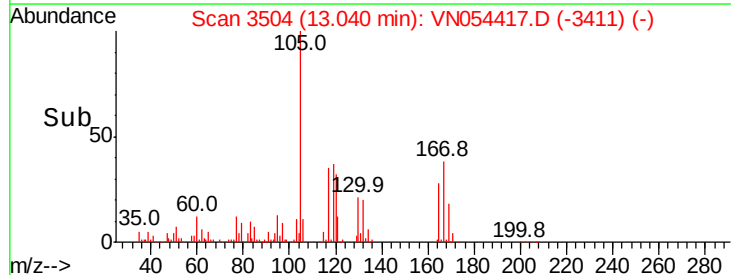
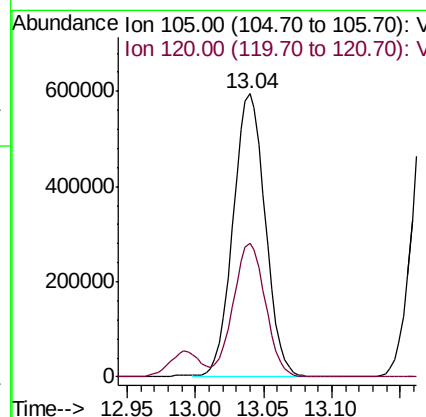
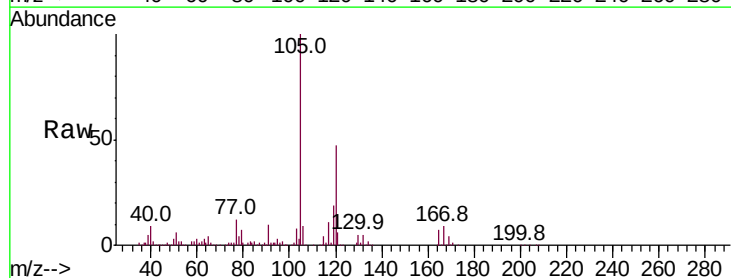
Manual Integrations  
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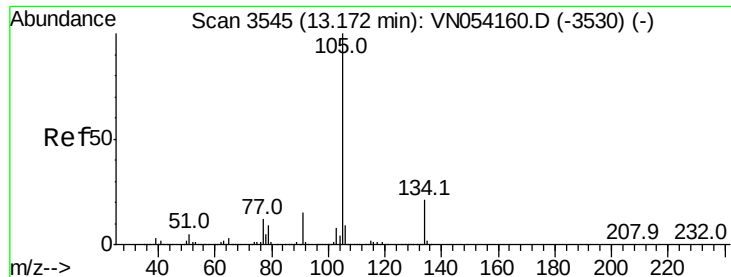
MMDadoda  
3/19/2019 9:22:55 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.102 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 973337 |       |       |
| 120     | 47.2  | 23.4   | 70.3  |       |





#85

sec-Butylbenzene

Concen: 19.935 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0318MBS02

Tot Ion:105 Resp: 1118762

Ion Ratio Lower Upper

105 100

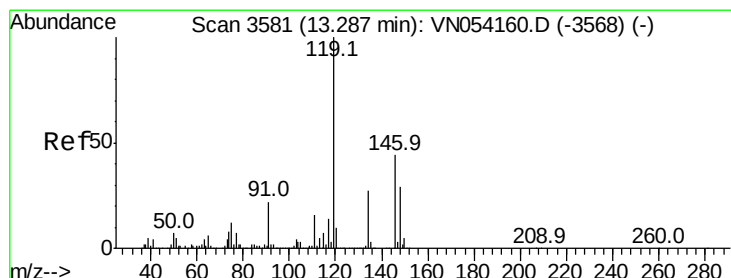
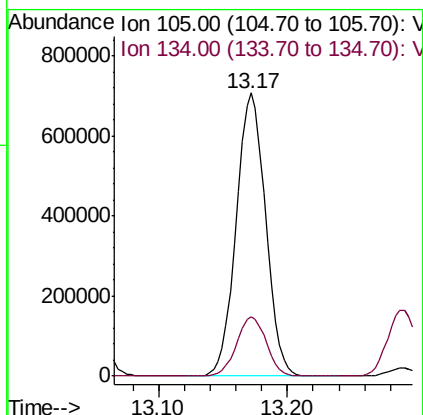
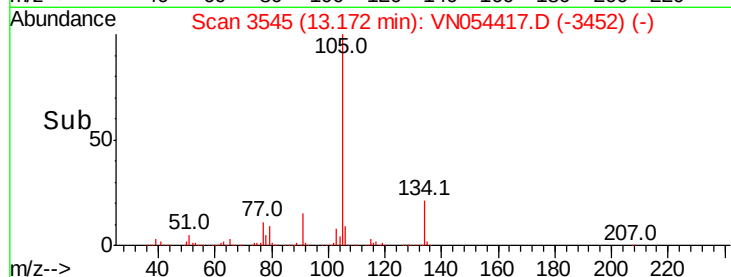
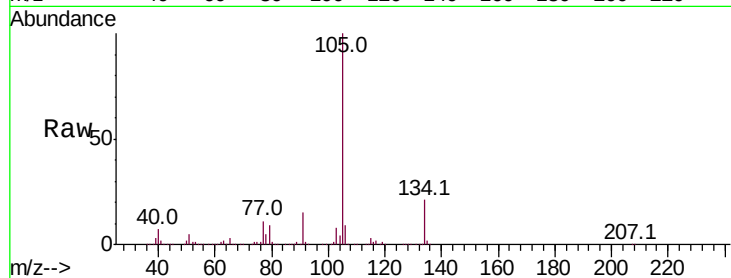
134 21.1 10.7 32.1

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:22:55 AM



#86

p-Isopropyltoluene

Concen: 19.517 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

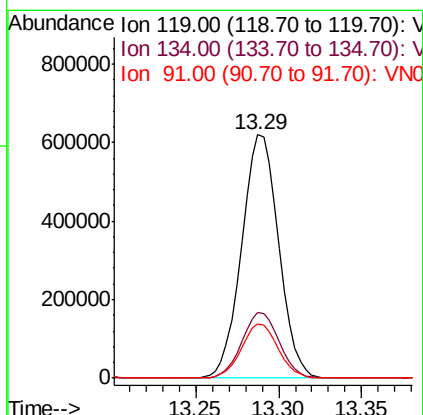
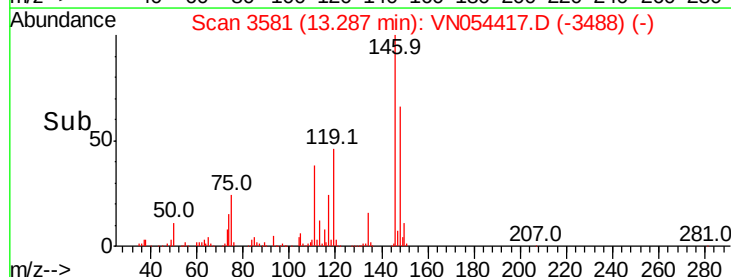
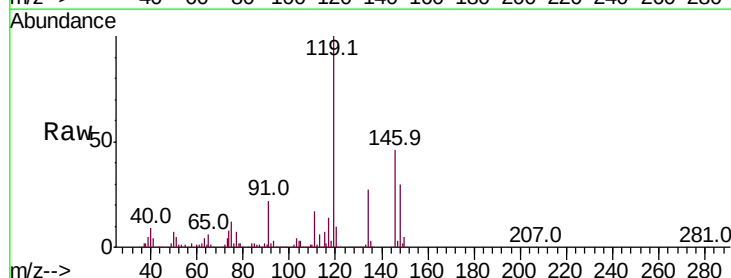
Tgt Ion:119 Resp: 960940

Ion Ratio Lower Upper

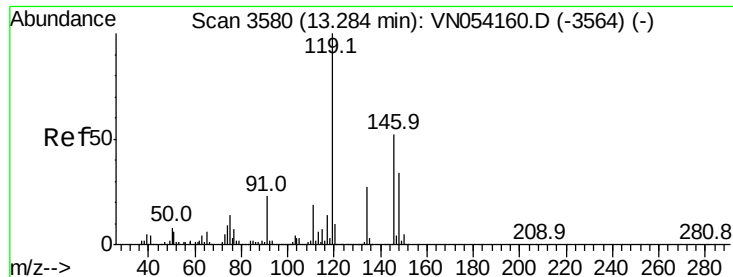
119 100

134 27.3 13.6 40.8

91 22.1 11.1 33.3







#87

1,3-Dichlorobenzene

Concen: 21.060 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054417.D

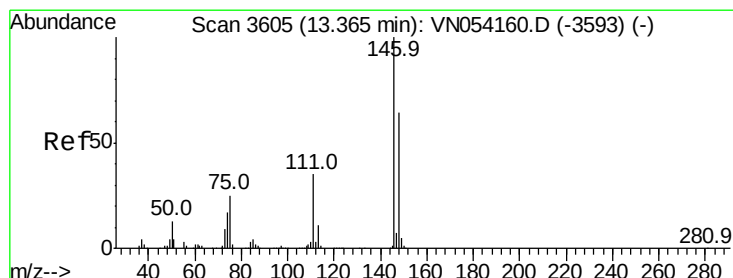
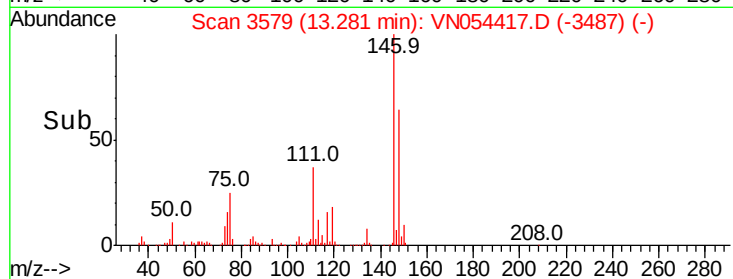
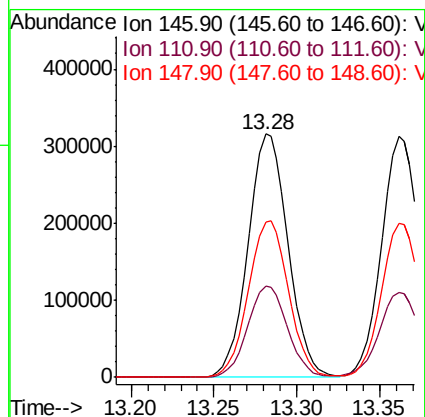
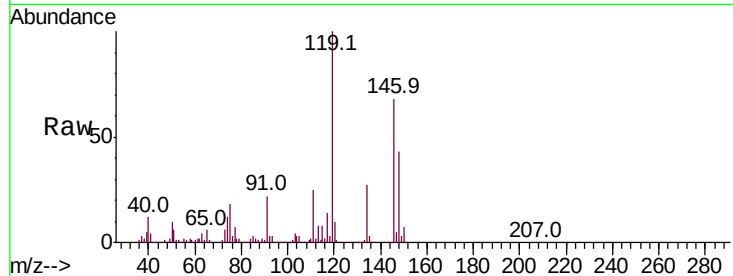
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.8  | 56.3  |
| 148     | 64.7  | 32.2  | 96.6  |

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#88

1,4-Dichlorobenzene

Concen: 20.560 ug/l

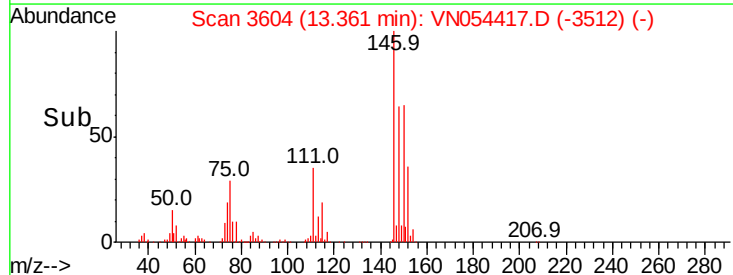
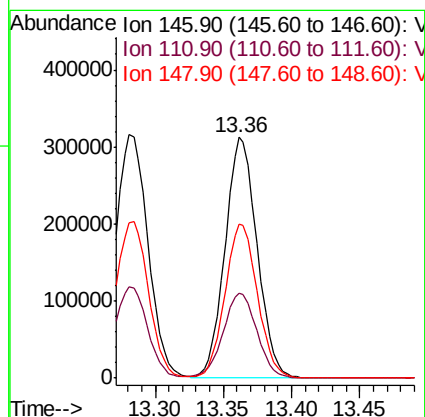
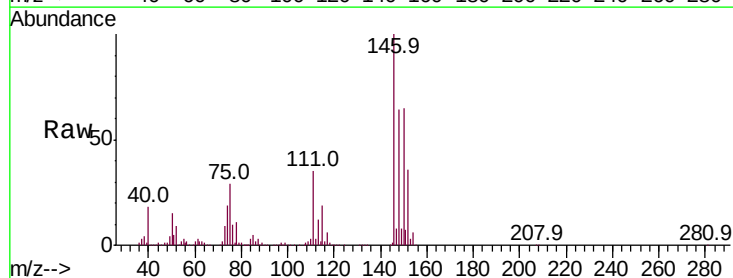
RT: 13.36 min Scan# 3604

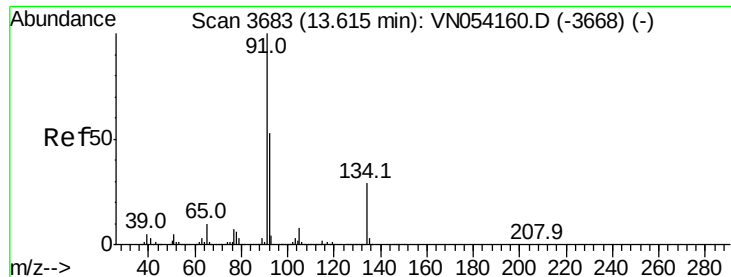
Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.1  | 54.1  |
| 148     | 64.9  | 32.0  | 96.0  |





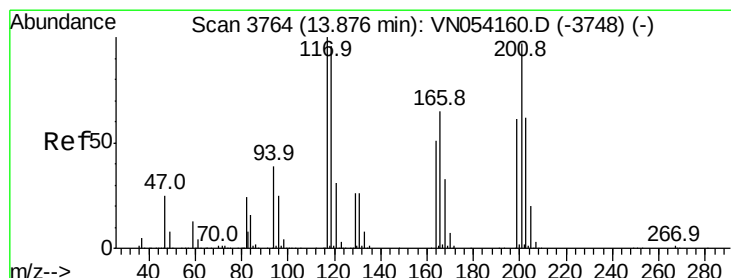
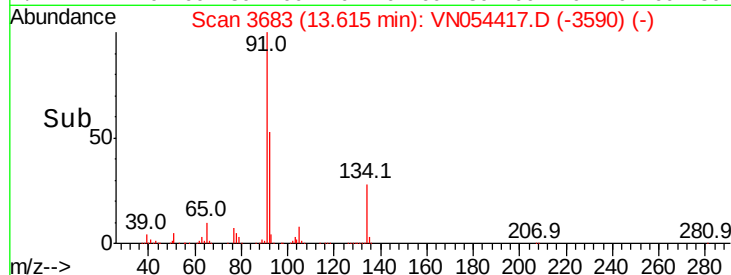
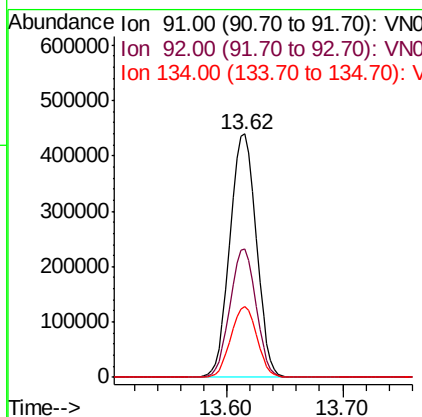
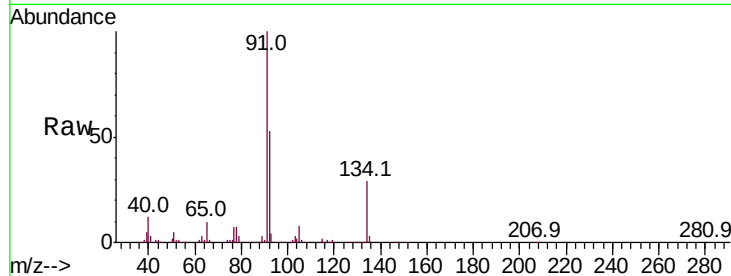
#89  
n-Butylbenzene  
Concen: 18.457 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.0  | 26.2  | 78.6  |
| 134     | 28.6  | 14.3  | 42.9  |

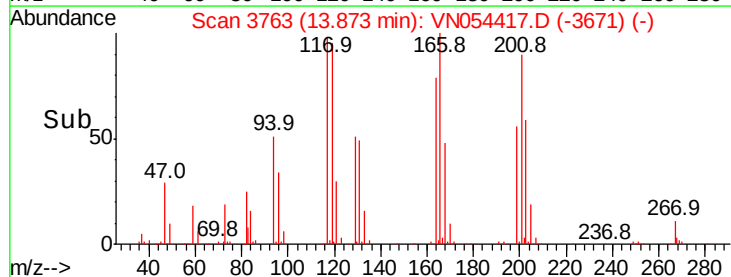
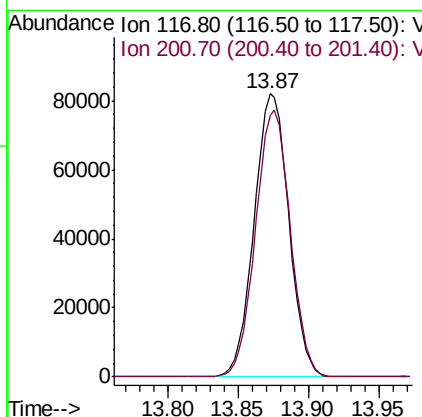
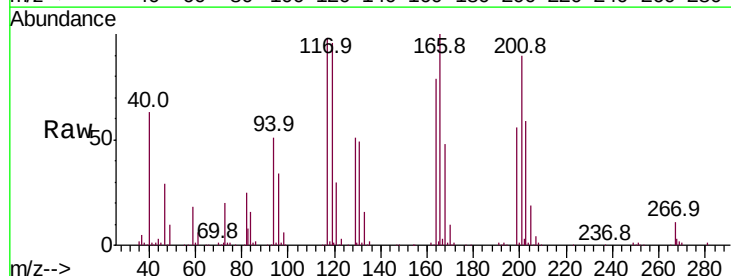
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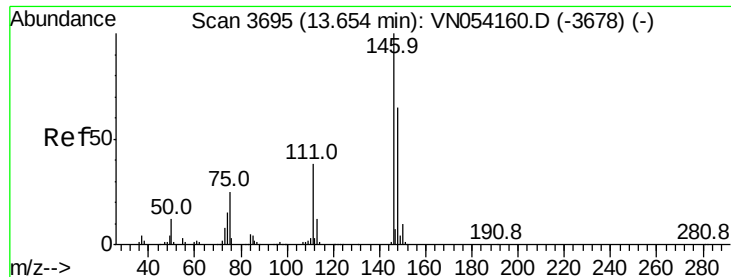
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#90  
Hexachloroethane  
Concen: 17.311 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 94.2  | 48.1  | 144.4 |





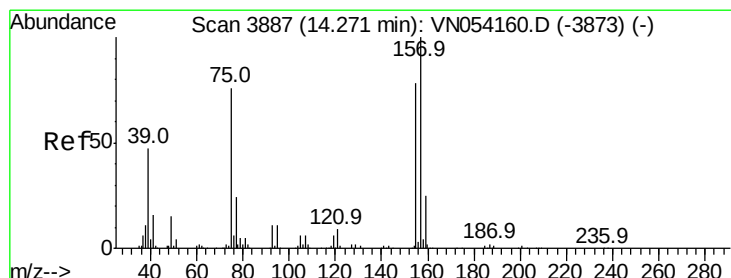
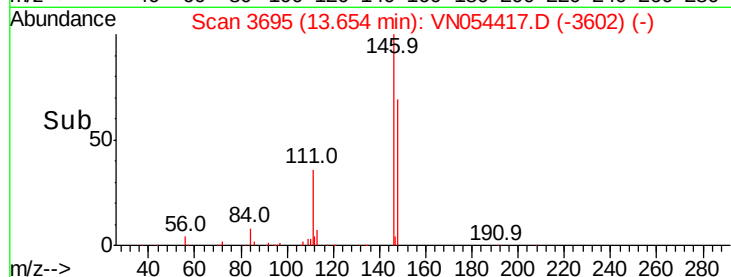
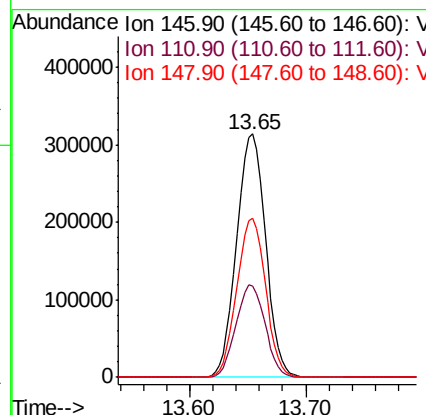
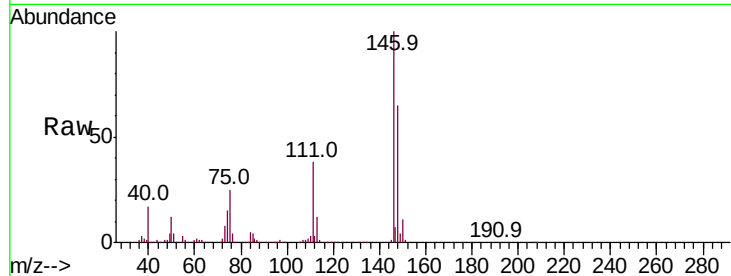
#91  
 1,2-Dichlorobenzene  
 Concen: 22.044 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318MBS02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 38.1  | 19.1 | 57.3  |       |
| 148     | 64.8  | 32.4 | 97.0  |       |

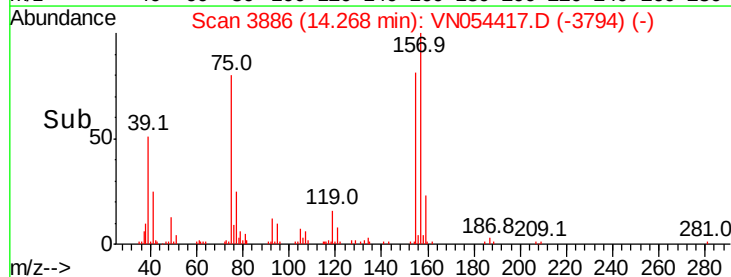
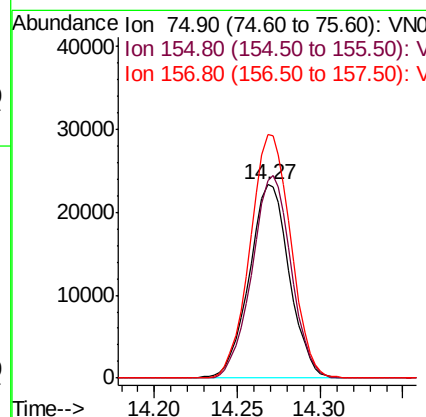
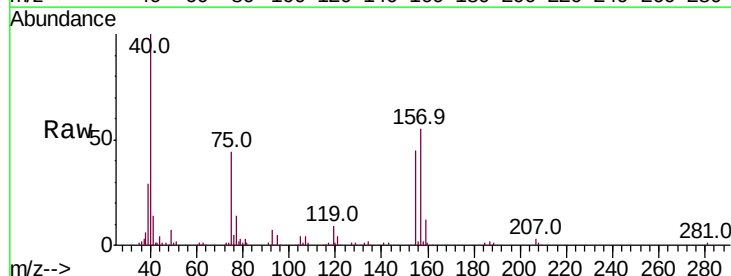
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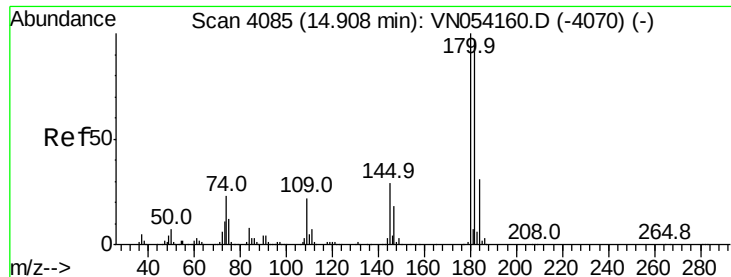
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.099 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN054417.D  
 Acq: 19 Mar 2019 2:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 155     | 102.2 | 50.1 | 150.3 |       |
| 157     | 127.9 | 63.1 | 189.3 |       |





#93

1,2,4-Trichlorobenzene

Concen: 18.329 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA\_N

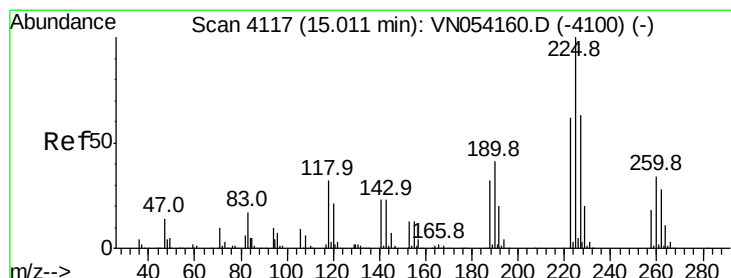
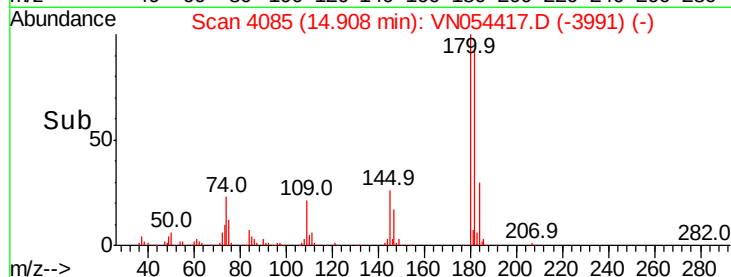
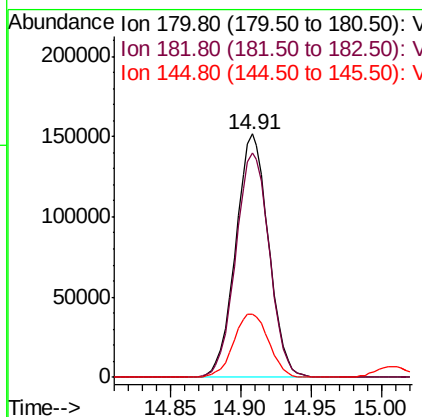
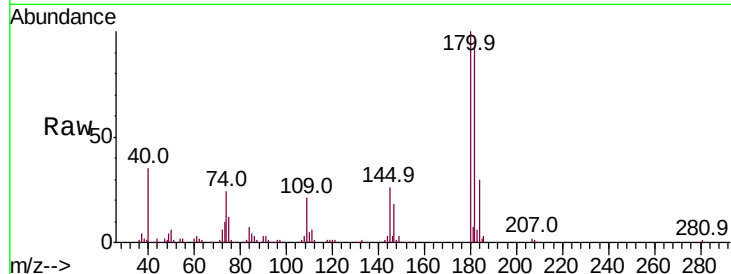
ClientSampleId :

VN0318MBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 247674 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.3  | 48.0  | 144.2  |
| 145       | 27.9  | 14.2  | 42.8   |

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#94

Hexachlorobutadiene

Concen: 16.935 ug/l

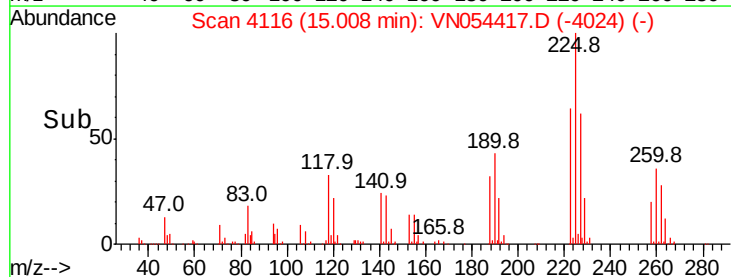
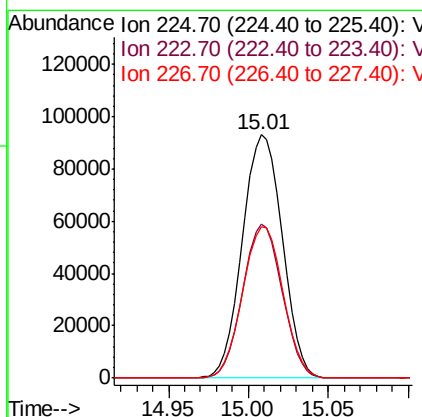
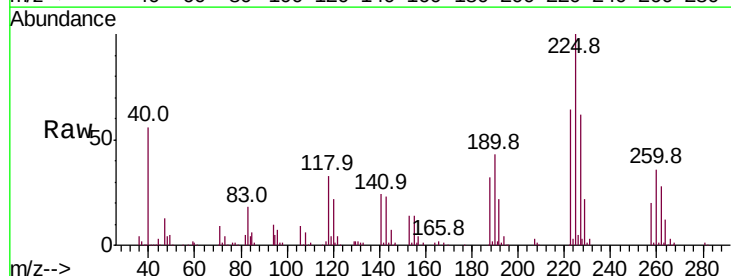
RT: 15.01 min Scan# 4116

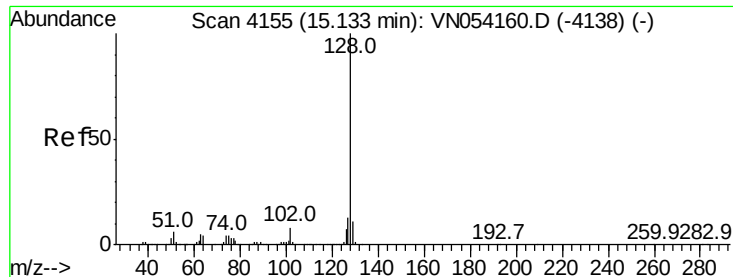
Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 158927 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.1  | 31.1  | 93.5   |
| 227       | 62.9  | 31.9  | 95.9   |





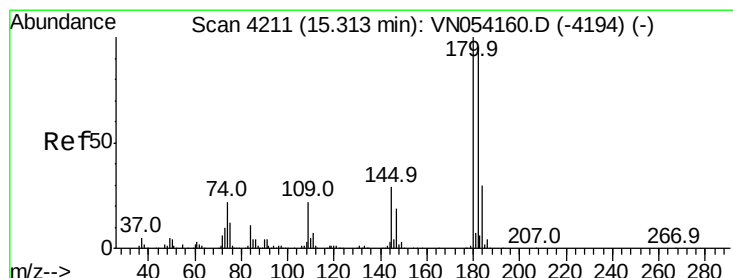
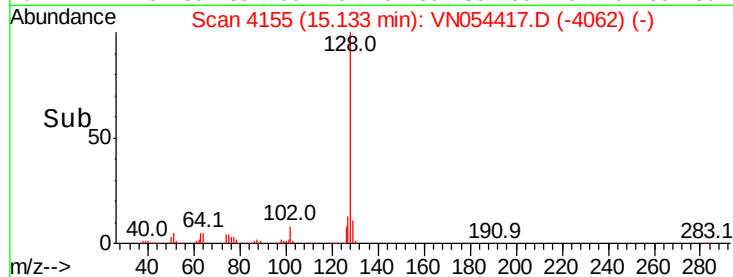
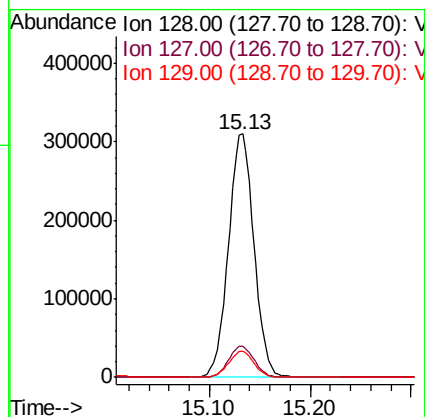
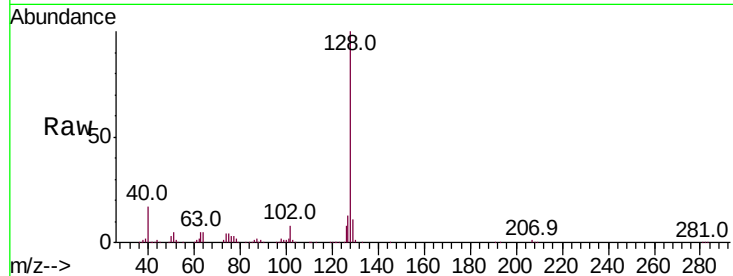
#95  
Naphthalene  
Concen: 19.891 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318MBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 546789 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.1  | 15.1   |
| 129       | 10.6  | 8.7   | 13.1   |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.631 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN054417.D  
Acq: 19 Mar 2019 2:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 256983 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.7  | 47.5  | 142.6  |
| 145       | 29.2  | 14.8  | 44.3   |

