

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\  
 Data File : VN050795.D  
 Acq On : 21 Aug 2018 21:22  
 Operator : MD\SY  
 Sample : VN0821WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 8/22/2018 11:19:21 AM

Quant Time: Aug 22 07:13:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 05:38:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 613315   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 885236   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 805512   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 396498   | 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   | 376070   | 50.93 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.86% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 352428   | 50.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.08% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1320469  | 50.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.30% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 421975   | 48.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.46%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 187874   | 22.89  | ug/l   | 98     |
| 3) Chloromethane              | 2.06 | 50   | 206906   | 20.44  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62   | 199160   | 20.77  | ug/l   | 100    |
| 5) Bromomethane               | 2.57 | 94   | 110714   | 19.66  | ug/l   | 97     |
| 6) Chloroethane               | 2.70 | 64   | 115184   | 20.79  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.01 | 101  | 258965   | 21.09  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.41 | 74   | 82760    | 19.82  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 158674   | 20.68  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.95 | 142  | 120377   | 21.95  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.79 | 59   | 46854    | 99.65  | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 3.74 | 96   | 141289   | 20.51  | ug/l   | 96     |
| 13) Acrolein                  | 3.61 | 56   | 24237    | 99.87  | ug/l   | 97     |
| 14) Allyl chloride            | 4.33 | 41   | 207558   | 19.34  | ug/l   | 98     |
| 15) Acrylonitrile             | 4.99 | 53   | 240058   | 100.47 | ug/l   | 98     |
| 16) Acetone                   | 3.82 | 43   | 165537   | 90.16  | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.05 | 76   | 437650   | 18.95  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43   | 130790   | 18.76  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 351481   | 20.29  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 164264   | 19.74  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96   | 149645   | 20.09  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.96 | 45   | 455568   | 21.30  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 1401157  | 101.71 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 280010   | 20.39  | ug/l   | 99     |
| 25) 2-Butanone                | 6.84 | 43   | 252880   | 84.99  | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77   | 194023   | 17.58  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 164563   | 20.49  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.20 | 49   | 119802   | 20.53  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 170693   | 100.06 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83   | 279582   | 20.56  | ug/l   | 98     |
| 31) Cyclohexane               | 7.66 | 56   | 245863   | 19.98  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 237855   | 20.36  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 210216   | 20.12  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.93 | 43   | 118774   | 19.79  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 212480   | 20.12  | ug/l   | 97     |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 8/22/2018 11:19:21 AM

Quant Time: Aug 22 07:13:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 05:38:12 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 219099   | 19.39  | ug/l   | 96       |
| 40) Benzene                    | 8.04  | 78   | 646009   | 20.51  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 56560    | 17.42  | ug/l   | 89       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 193689   | 20.57  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 206943   | 20.06  | ug/l # | 87       |
| 44) Trichloroethene            | 8.84  | 130  | 166759   | 20.07  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 167366   | 20.22  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 99712    | 20.50  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 206851   | 20.30  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 104432   | 19.86  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.20  | 88   | 28023    | 390.95 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 589760   | 95.79  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 388949   | 20.84  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 193198   | 19.05  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 228524   | 19.68  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 144548   | 20.87  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 155361   | 18.78  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 234713   | 20.53  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 321000   | 89.88  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 373950   | 91.23  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 157639   | 20.33  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 136074   | 20.32  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 157493   | 20.58  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 423722   | 20.13  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 157392   | 20.43  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 693463   | 20.26  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 550620   | 42.38  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 259326   | 20.76  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 405345   | 19.22  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 105669   | 19.95  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 682440   | 20.79  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 158995   | 19.27  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 172841   | 21.14  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 126886m  | 18.27  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 177758   | 19.92  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 769270   | 20.97  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 473505   | 20.73  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 564157   | 21.30  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 36496    | 17.77  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 469884   | 20.83  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 485450   | 21.16  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 573968   | 21.54  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 631476   | 21.00  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 538500   | 21.02  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 301309   | 19.90  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 288756   | 19.38  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 394024   | 19.23  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 100069   | 20.61  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 293478   | 20.09  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 22654    | 19.21  | ug/l   | 96       |

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Sample : VN0821WBS02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

Manual Integrations  
APPROVED

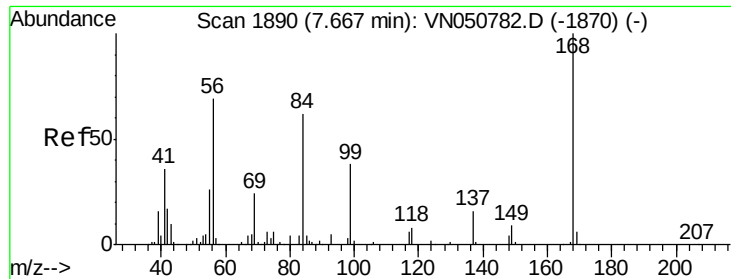
MMDadoda  
8/22/2018 11:19:21 AM

Quant Time: Aug 22 07:13:44 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 22 05:38:12 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 108633   | 17.21 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 89130    | 19.91 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 199219   | 16.62 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 111076   | 17.86 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampled :

VN0821WBS02

Tot Ion:168 Resp: 613315

Ion Ratio Lower Upper

168 100

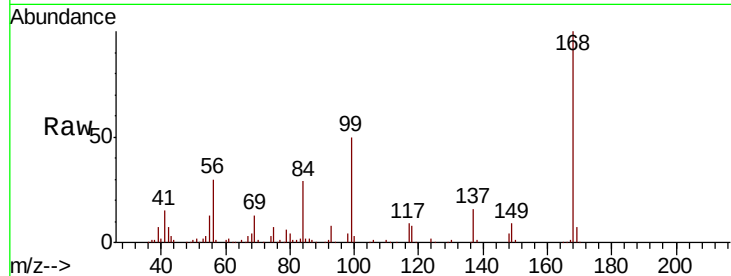
99 50.1 39.6 59.4

Manual Integrations

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8/22/2018 11:19:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

300000

250000

200000

150000

100000

50000

0

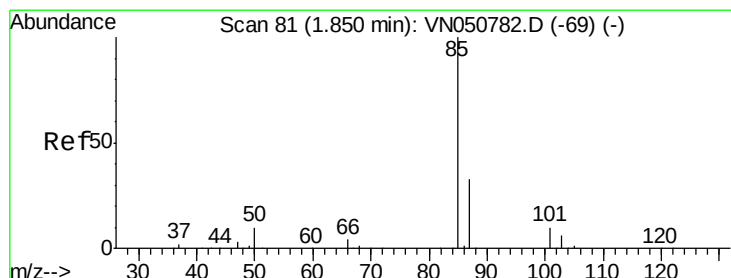
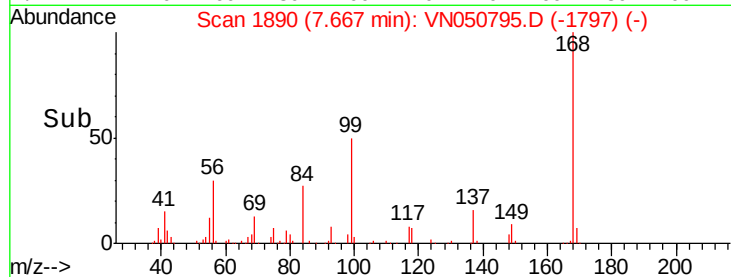
7.60

7.67

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.89 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050795.D

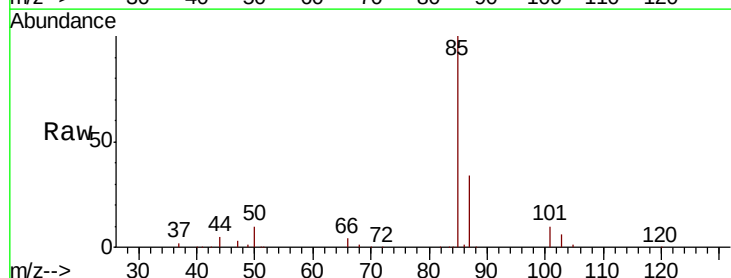
Acq: 21 Aug 2018 21:22

Tgt Ion: 85 Resp: 187874

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

150000

100000

50000

0

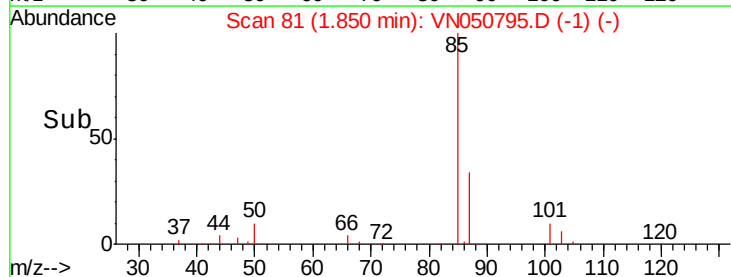
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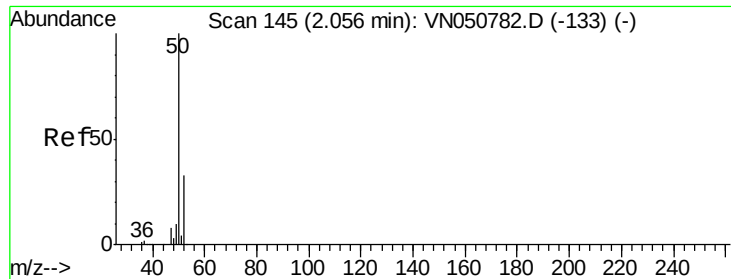
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 20.44 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion: 50 Resp: 206906

Ion Ratio Lower Upper

50 100

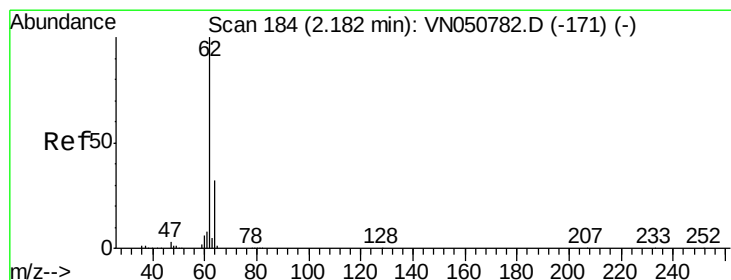
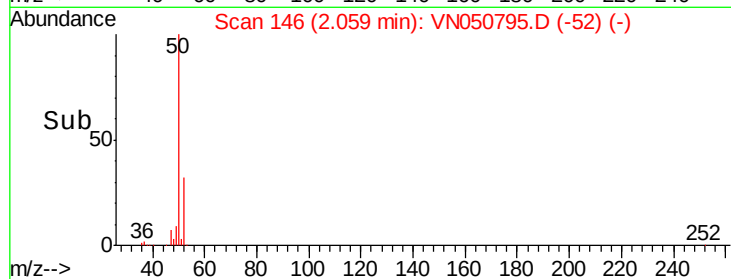
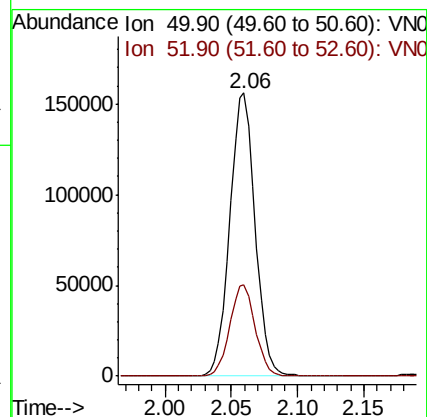
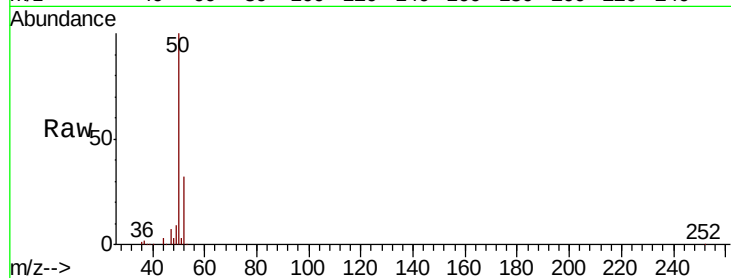
52 32.1 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

8/22/2018 11:19:21 AM



#4

Vinyl Chloride

Concen: 20.77 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050795.D

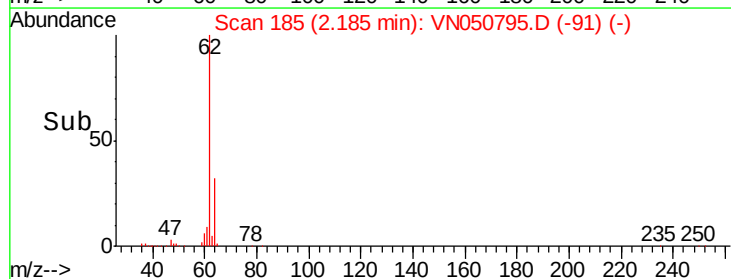
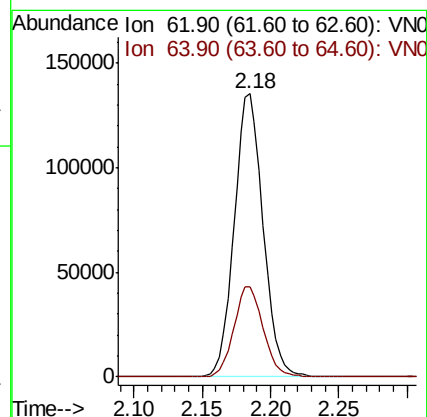
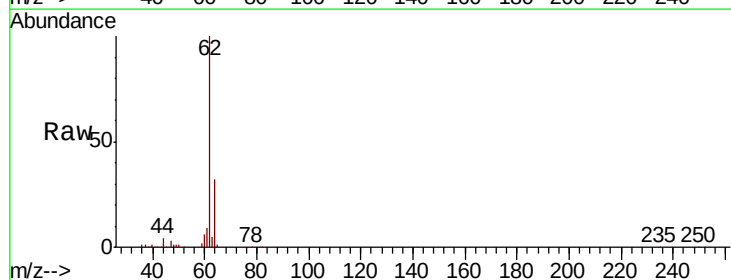
Acq: 21 Aug 2018 21:22

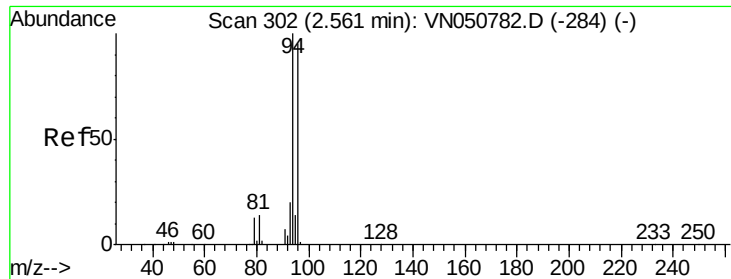
Tgt Ion: 62 Resp: 199160

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 19.66 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion: 94 Resp: 110714

Ion Ratio Lower Upper

94 100

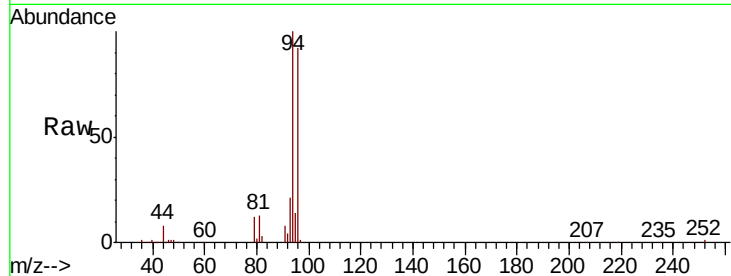
96 92.0 76.2 114.2

Manual Integrations

APPROVED

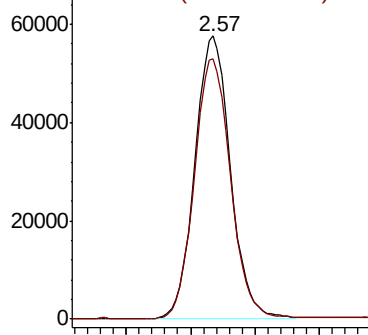
MMDadoda

8/22/2018 11:19:21 AM

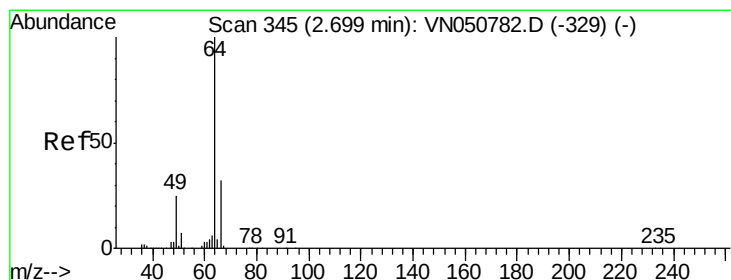
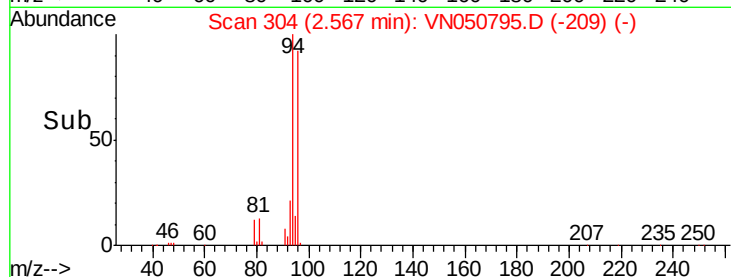


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 20.79 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050795.D

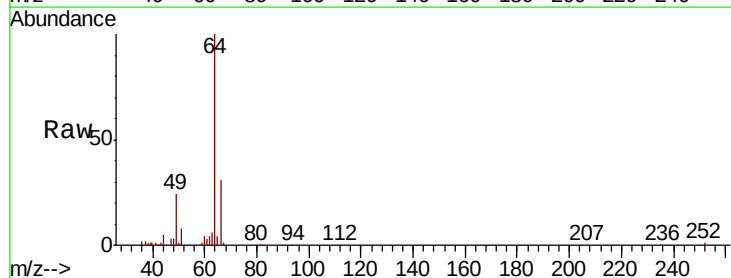
Acq: 21 Aug 2018 21:22

Tgt Ion: 64 Resp: 115184

Ion Ratio Lower Upper

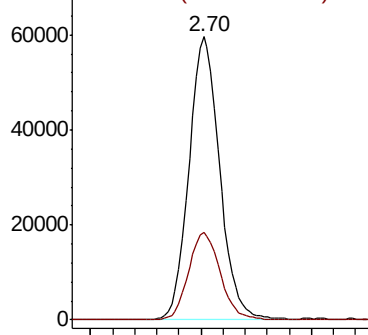
64 100

66 30.8 25.3 37.9

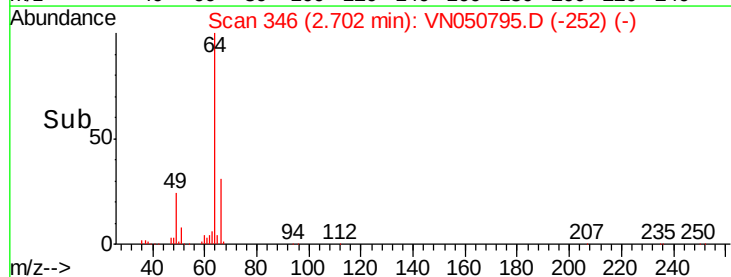


Abundance Ion 63.90 (63.60 to 64.60): VN0

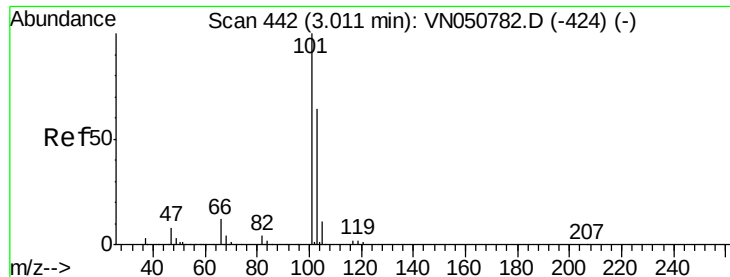
Ion 65.90 (65.60 to 66.60): VN0



Time-->







#7

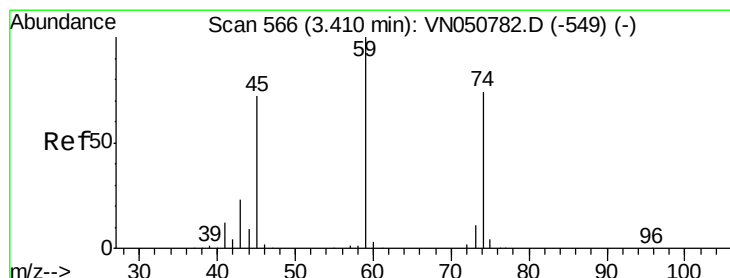
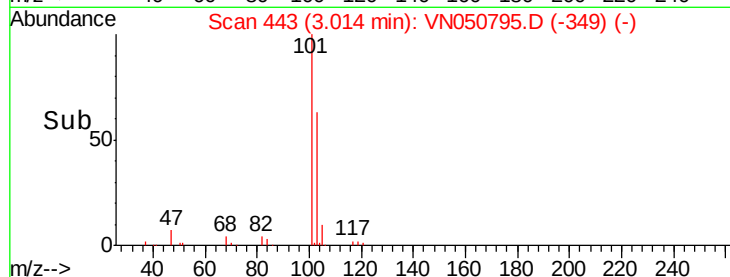
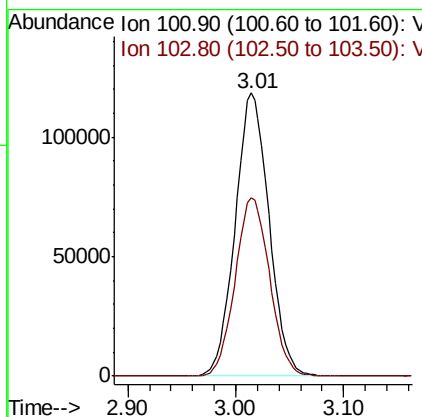
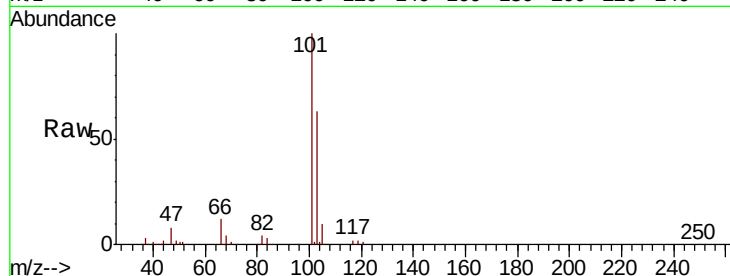
Trichlorofluoromethane  
 Concen: 21.09 ug/l  
 RT: 3.01 min Scan# 443  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 258965 |       |       |
| 103     | 63.1  | 51.6   | 77.4  |       |

Manual Integrations  
 APPROVED

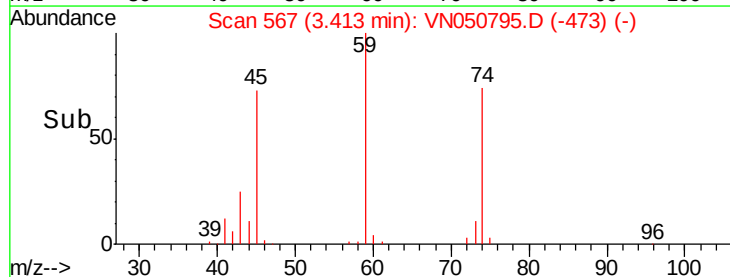
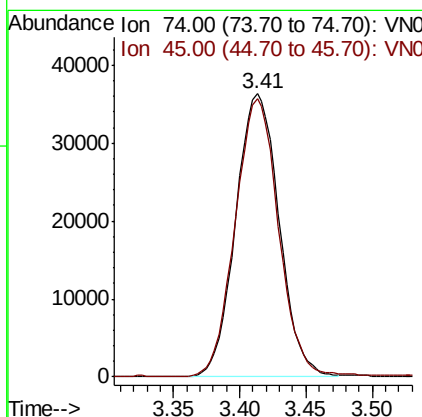
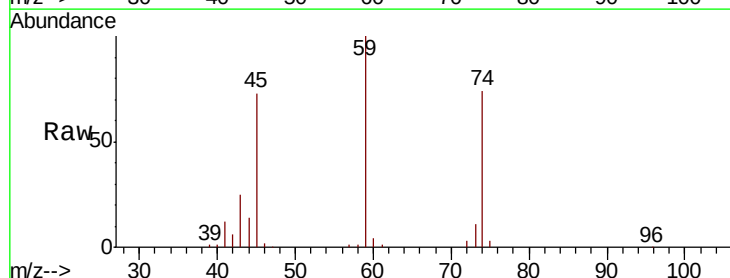
MMDadoda  
 8/22/2018 11:19:21 AM



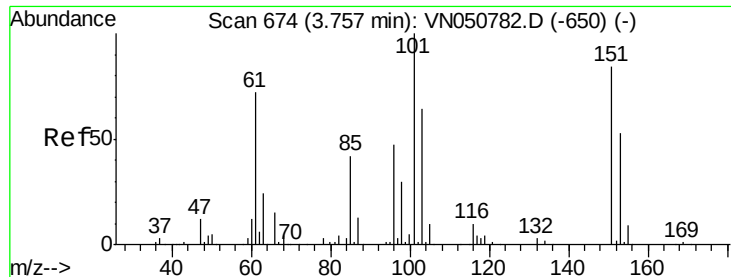
#8

Diethyl Ether  
 Concen: 19.82 ug/l  
 RT: 3.41 min Scan# 567  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 82760 |       |       |
| 45      | 98.8  | 48.2  | 144.6 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.68 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

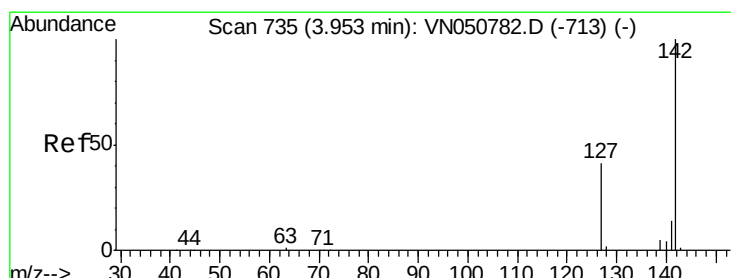
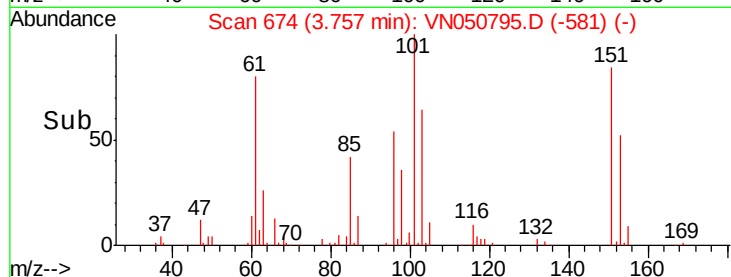
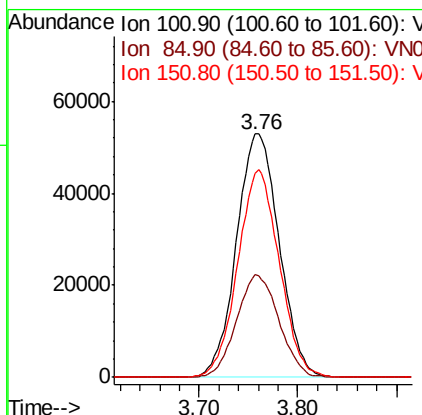
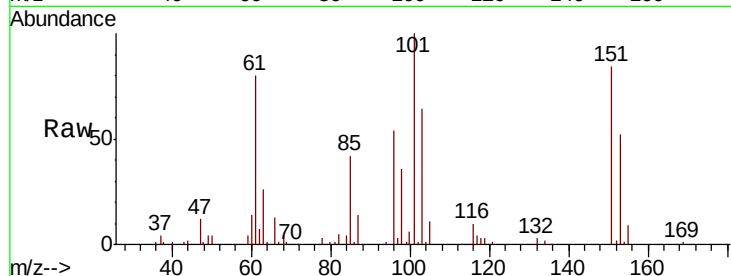
ClientSampled :

VN0821WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 158674 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.8  | 33.7  | 50.5   |
| 151       | 82.9  | 67.4  | 101.2  |

Manual Integrations  
APPROVED

MMDadoda  
8/22/2018 11:19:21 AM



#10

Methyl Iodide

Concen: 21.95 ug/l

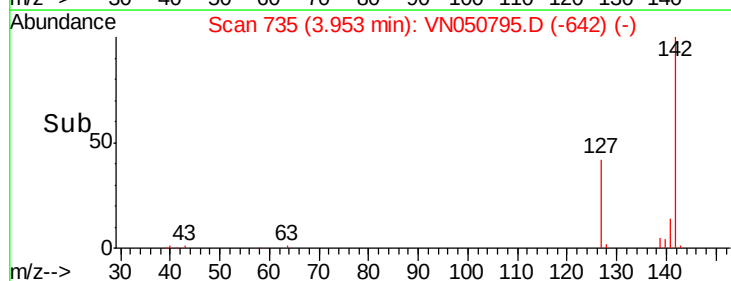
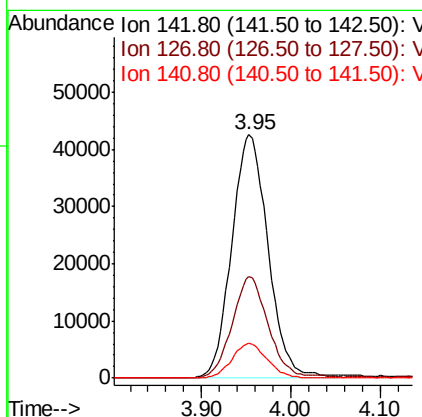
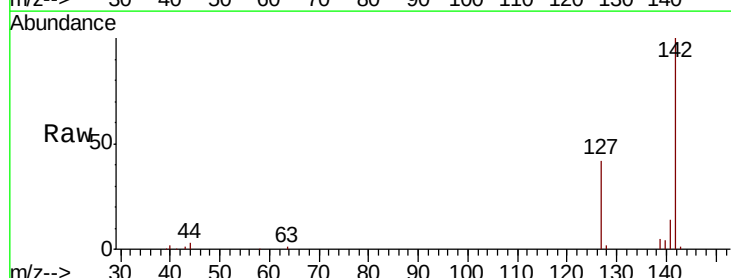
RT: 3.95 min Scan# 735

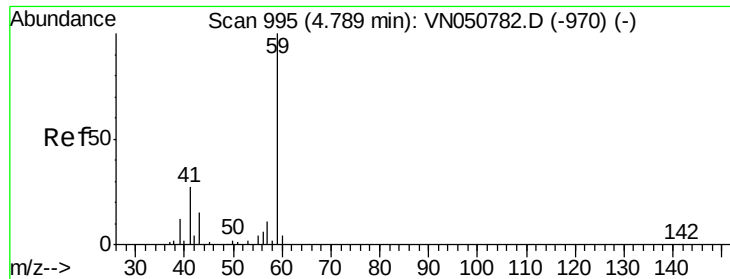
Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 120377 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.9  | 31.7  | 47.5   |
| 141       | 13.9  | 11.4  | 17.0   |





#11

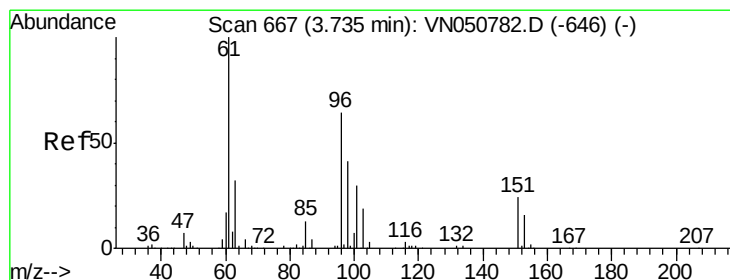
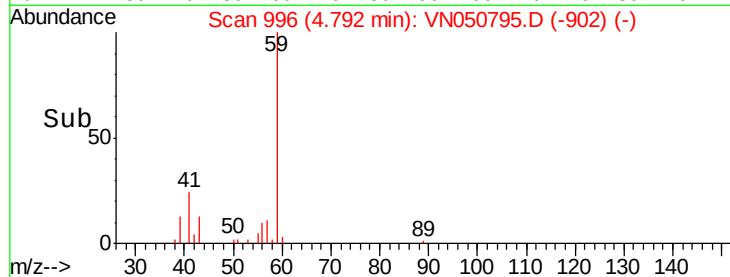
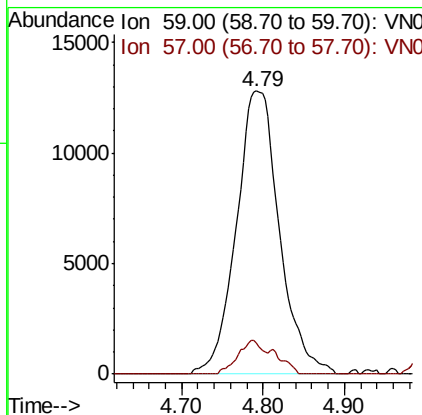
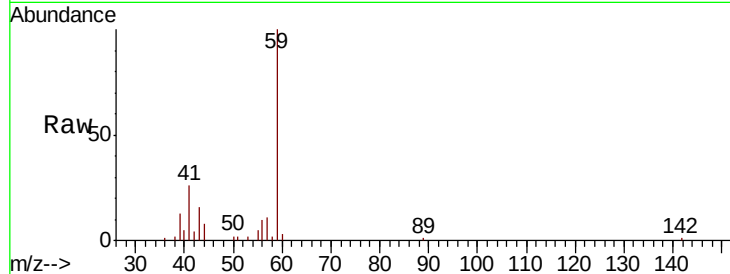
Tert butyl alcohol  
Concen: 99.65 ug/l  
RT: 4.79 min Scan# 996  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 7.1   | 8.3   | 12.5# |

Manual Integrations  
APPROVED

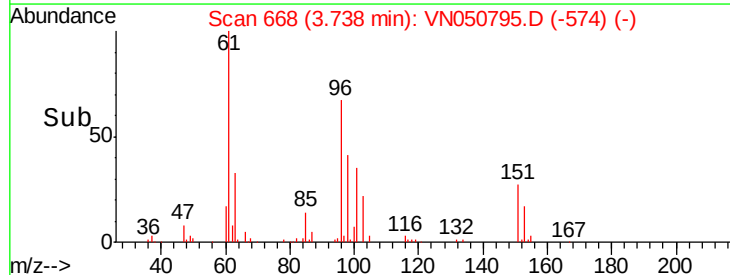
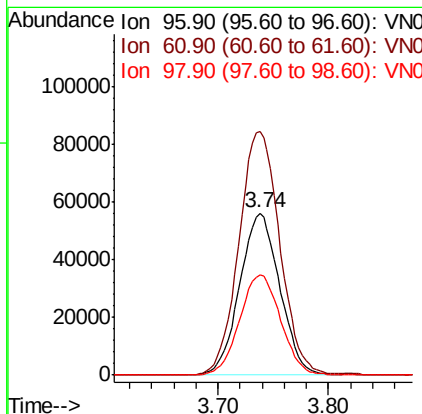
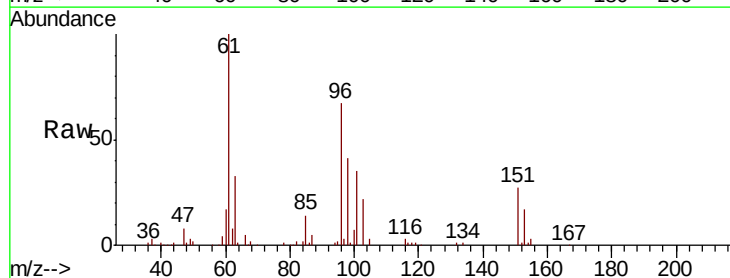
MMDadoda  
8/22/2018 11:19:21 AM

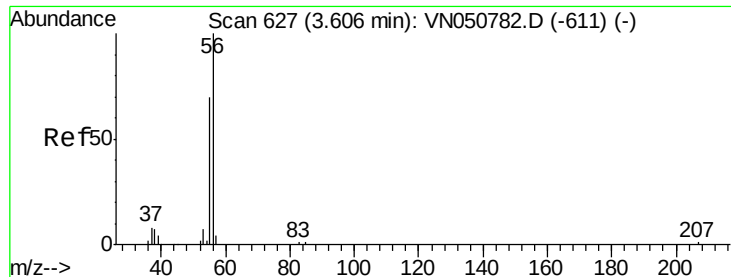


#12

1,1-Dichloroethene  
Concen: 20.51 ug/l  
RT: 3.74 min Scan# 668  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.1 | 124.9 | 187.3 |
| 98      | 61.6  | 51.1  | 76.7  |





#13

Acrolein

Concen: 99.87 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion: 56 Resp: 24237

Ion Ratio Lower Upper

56 100

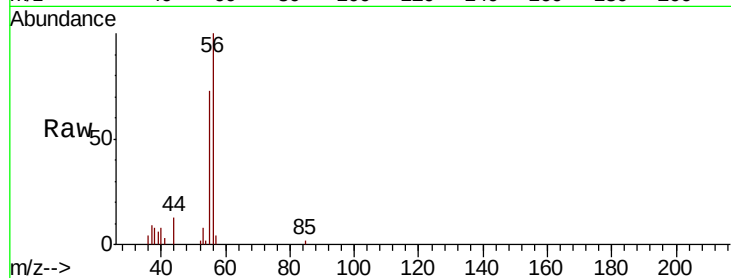
55 74.5 57.7 86.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

10000

8000

6000

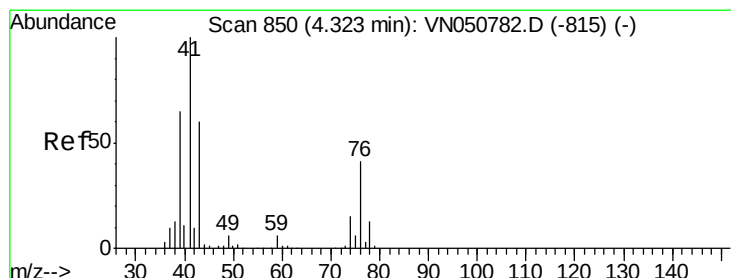
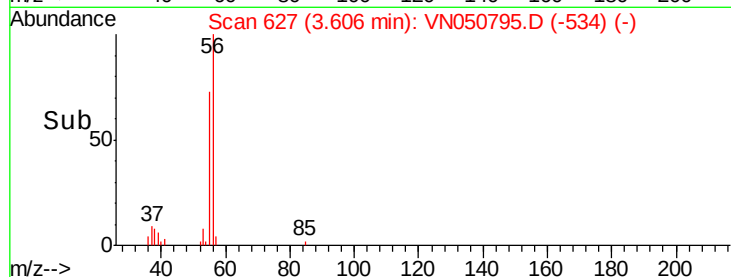
4000

2000

0

3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 19.34 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

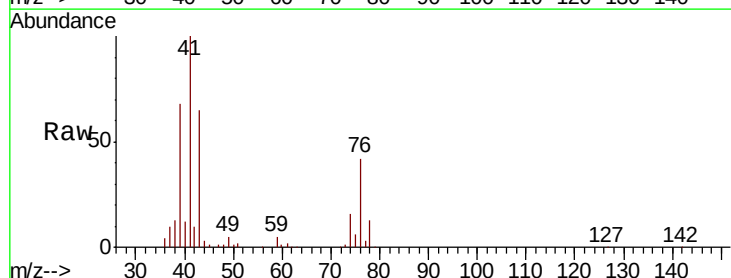
Tgt Ion: 41 Resp: 207558

Ion Ratio Lower Upper

41 100

39 64.6 50.2 75.2

76 37.1 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

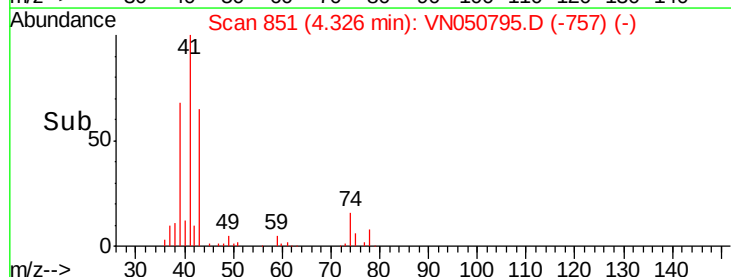
40000

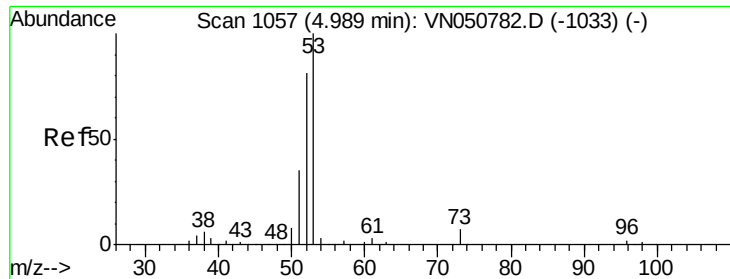
20000

0

4.20 4.30 4.40 4.50

Time-->





#15

Acrylonitrile

Concen: 100.47 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

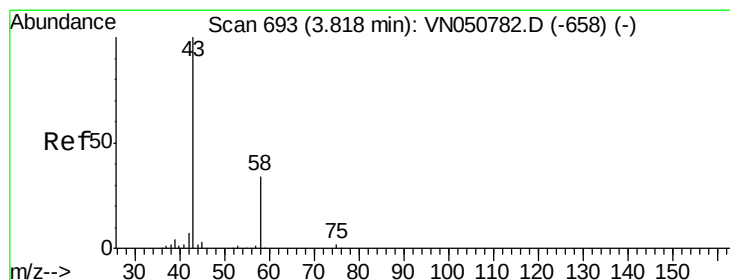
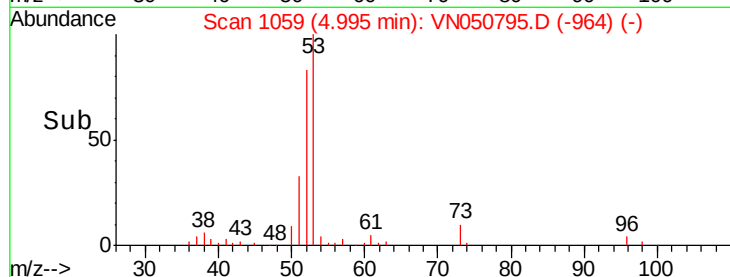
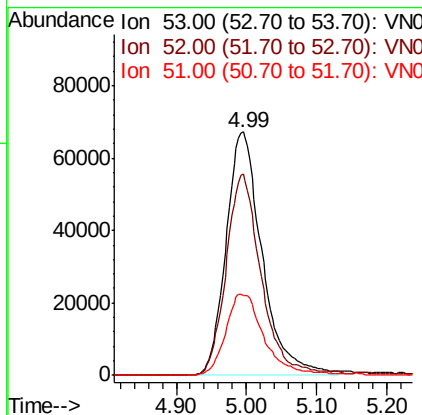
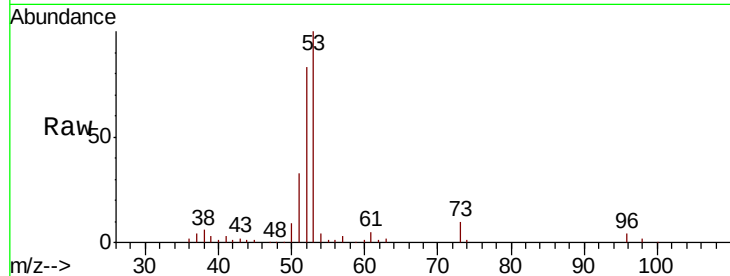
ClientSampled :

VN0821WBS02

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 240058 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 80.3 | 65.9  | 98.9   |
| 51        | 35.6 | 28.6  | 43.0   |

Manual Integrations  
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MMDadoda  
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#16

Acetone

Concen: 90.16 ug/l

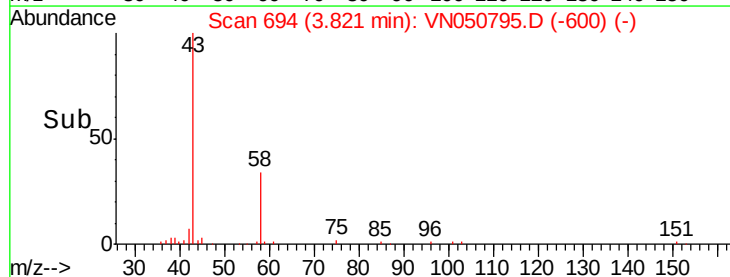
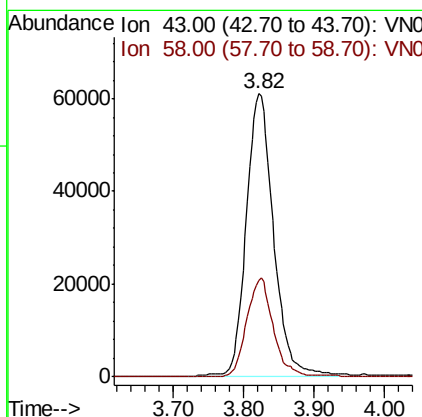
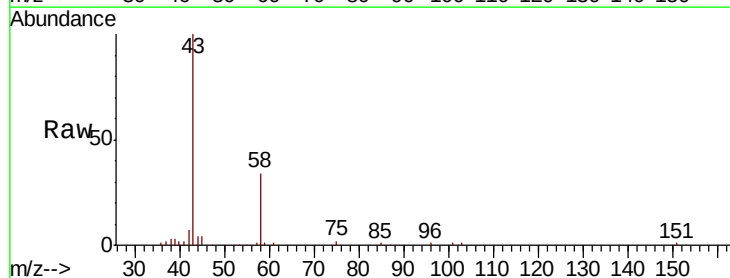
RT: 3.82 min Scan# 694

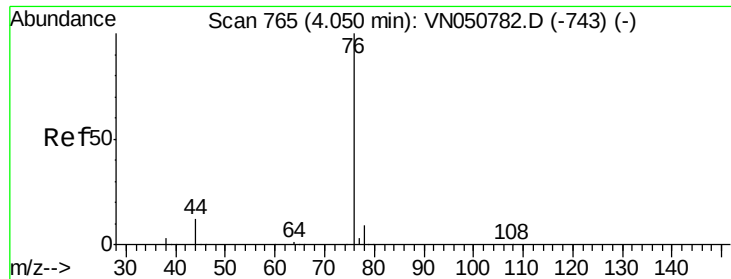
Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 165537 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 34.2 | 27.2  | 40.8   |





#17

Carbon Disulfide

Concen: 18.95 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion: 76 Resp: 437650

Ion Ratio Lower Upper

76 100

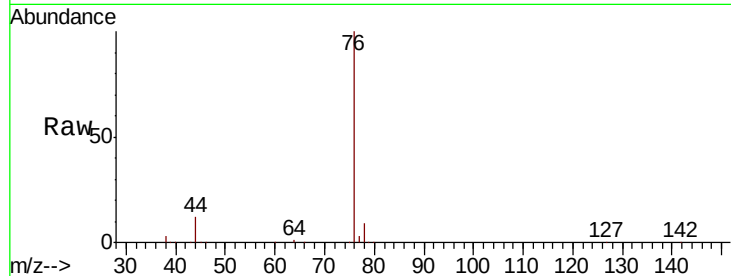
78 9.1

7.3 10.9

Manual Integrations  
APPROVED

MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN050782.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050782.D (-743) (-)

4.05

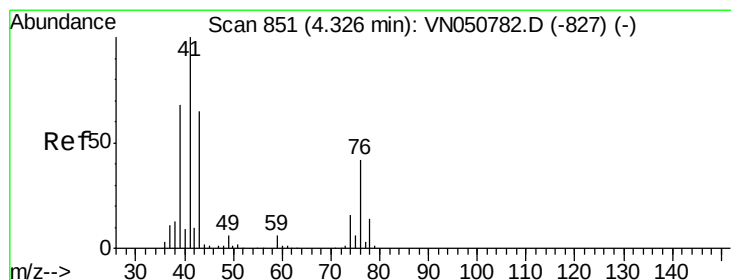
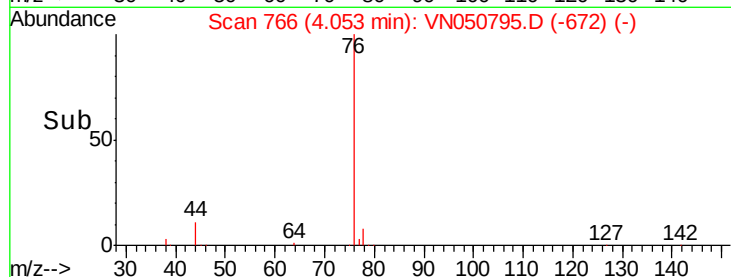
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.76 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

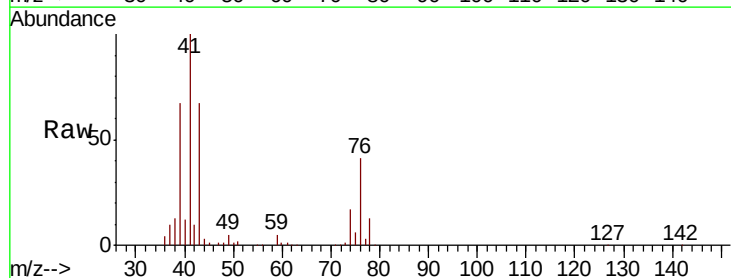
Tgt Ion: 43 Resp: 130790

Ion Ratio Lower Upper

43 100

74 24.8

19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-827) (-)

Ion 74.00 (73.70 to 74.70): VN050782.D (-827) (-)

4.33

50000

40000

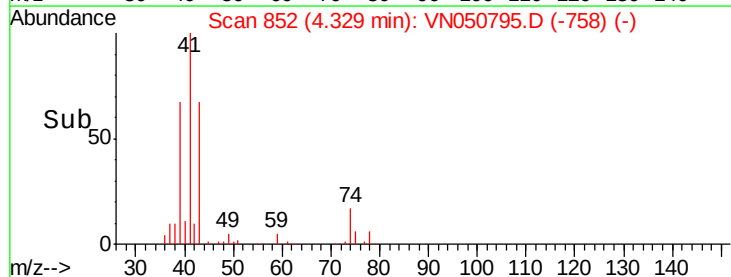
30000

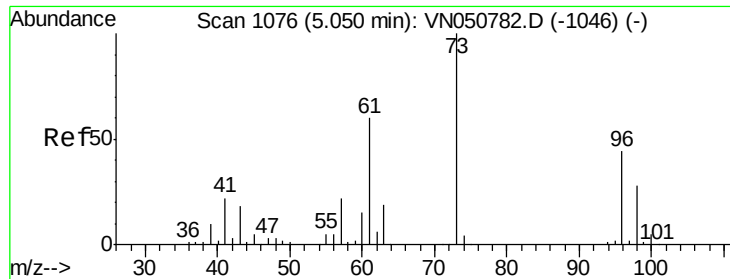
20000

10000

0

Time-->





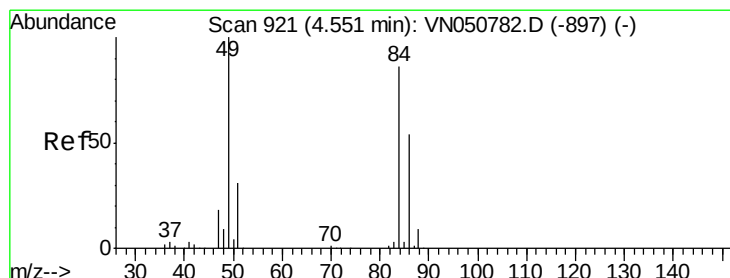
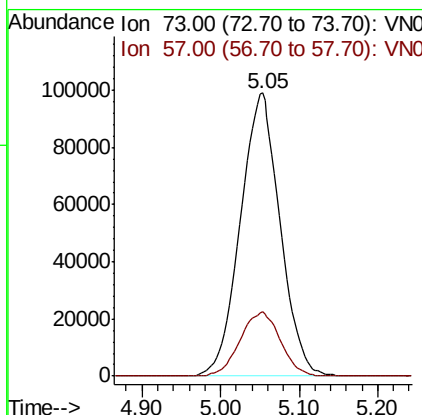
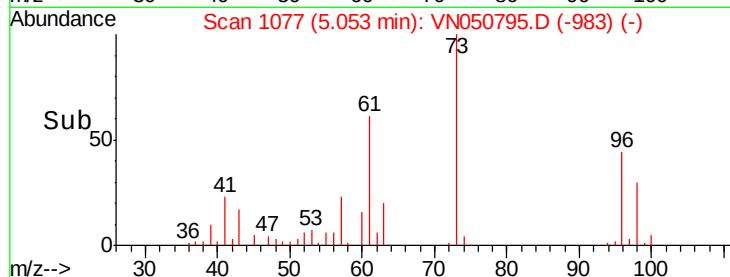
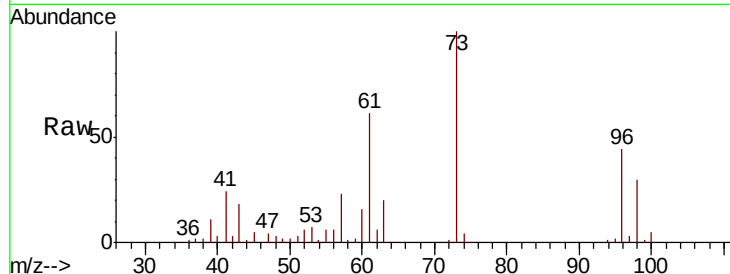
#19  
Methyl tert-butyl Ether  
Concen: 20.29 ug/l  
RT: 5.05 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0821WBS02

Tot Ion: 73 Resp: 351481  
Ion Ratio Lower Upper  
73 100  
57 22.9 17.8 26.8

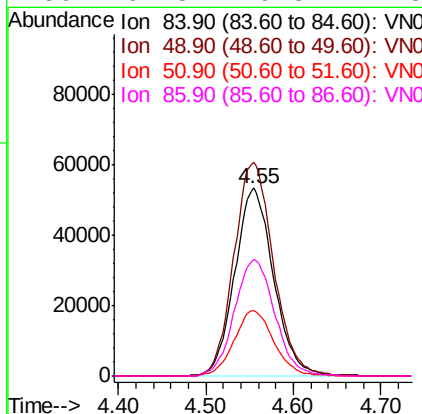
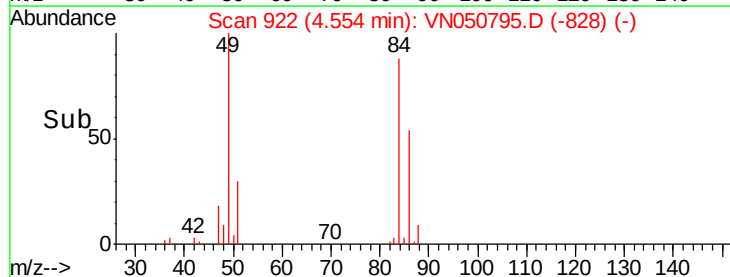
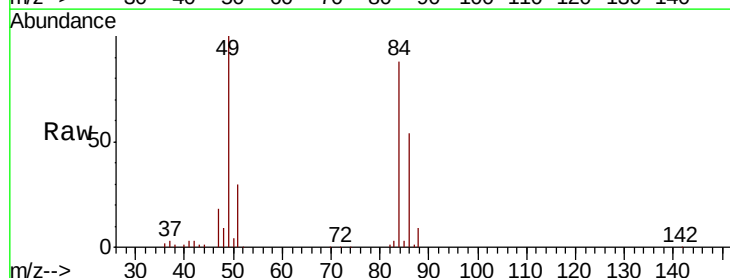
Manual Integrations  
APPROVED

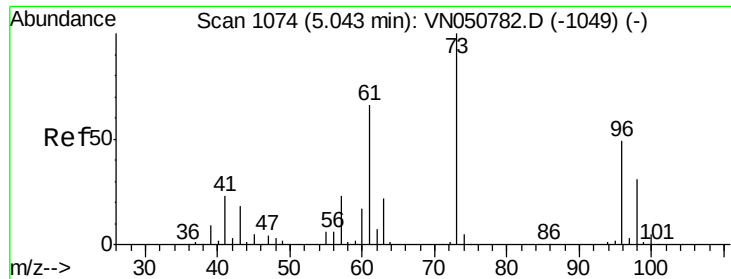
MMDadoda  
8/22/2018 11:19:21 AM



#20  
Methylene Chloride  
Concen: 19.74 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Tgt Ion: 84 Resp: 164264  
Ion Ratio Lower Upper  
84 100  
49 113.8 93.2 139.8  
51 34.7 29.0 43.6  
86 61.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.09 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

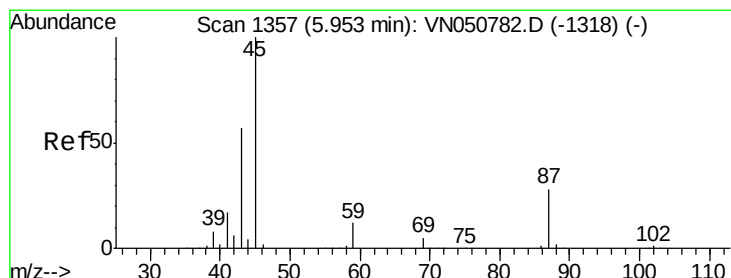
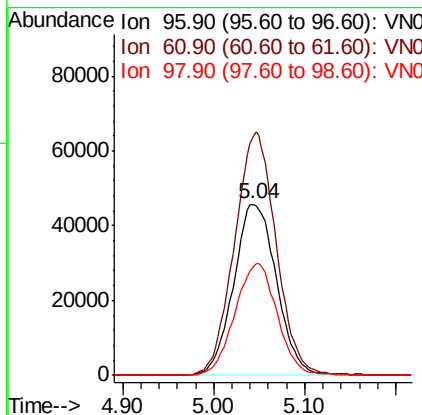
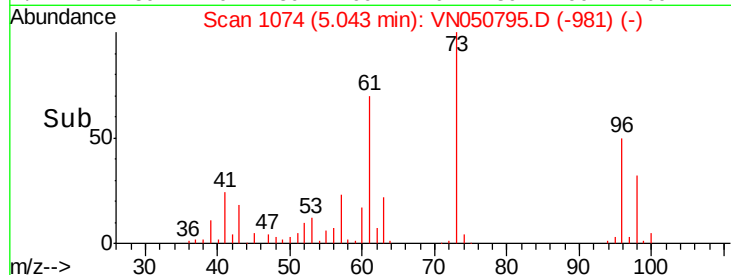
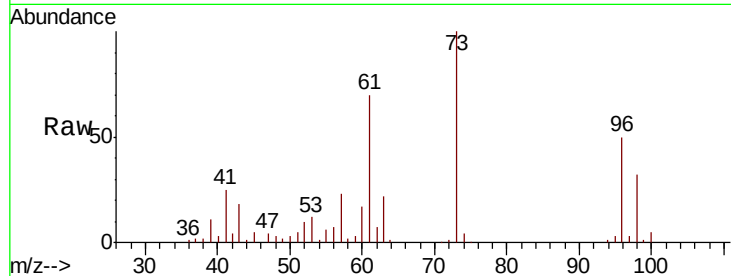
ClientSampleId :

VN0821WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 149645 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 140.1 | 107.4 | 161.0  |
| 98       | 63.9  | 50.7  | 76.1   |

Manual Integrations  
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MMDadoda  
8/22/2018 11:19:21 AM



#22

Diisopropyl ether

Concen: 21.30 ug/l

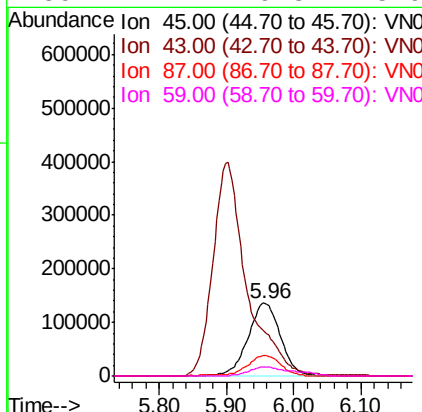
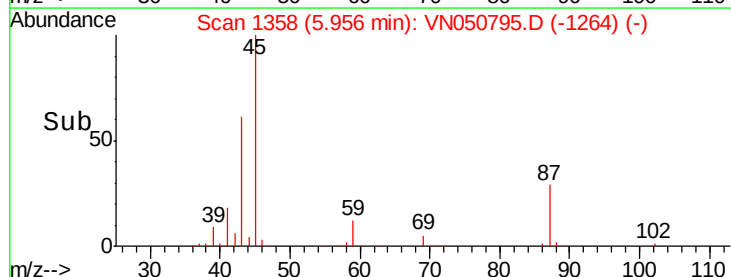
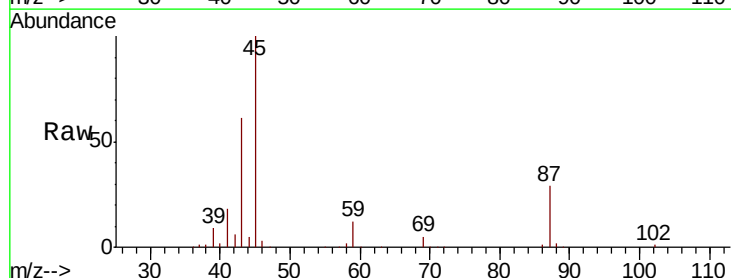
RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

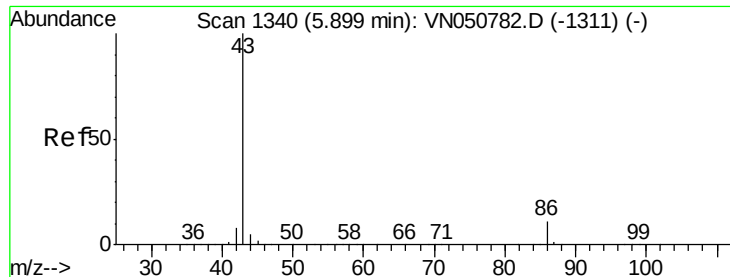
Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 455568 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.6  | 45.9  | 68.9   |
| 87       | 28.8  | 22.7  | 34.1   |
| 59       | 12.1  | 9.3   | 13.9   |







#23

Vinyl Acetate

Concen: 101.71 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion: 43 Resp: 1401157

Ion Ratio Lower Upper

43 100

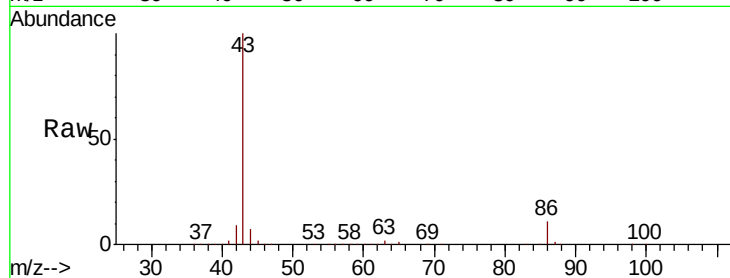
86 11.2 8.7 13.1

Manual Integrations

APPROVED

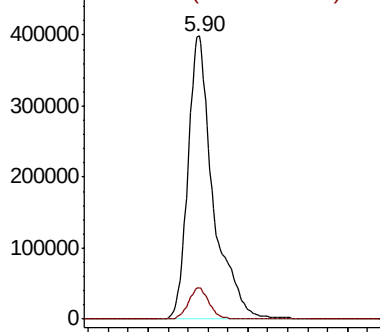
MMDadoda

8/22/2018 11:19:21 AM

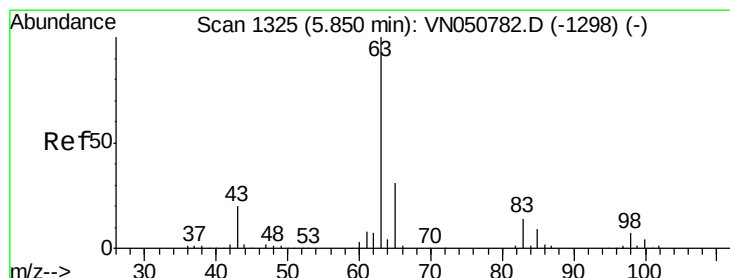
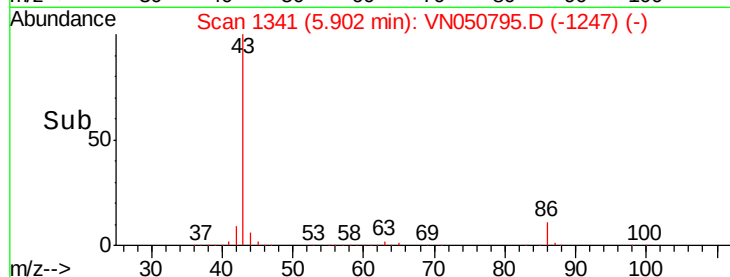


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.39 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

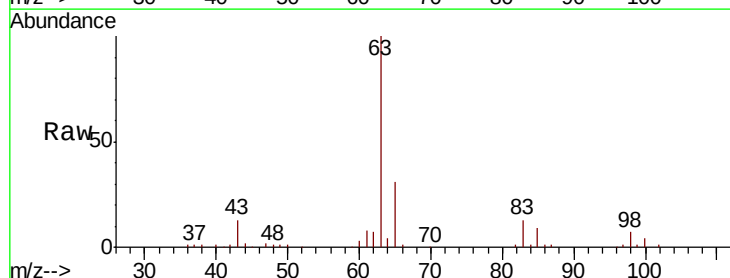
Tgt Ion: 63 Resp: 280010

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

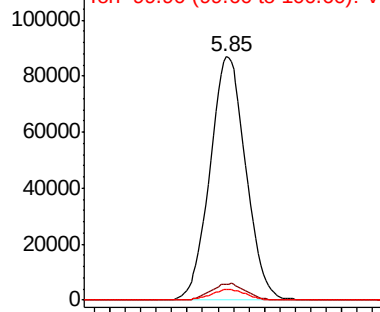
100 4.5 2.1 6.5



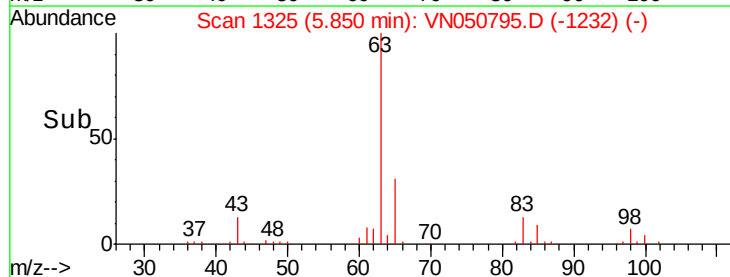
Abundance Ion 62.90 (62.60 to 63.60): VN0

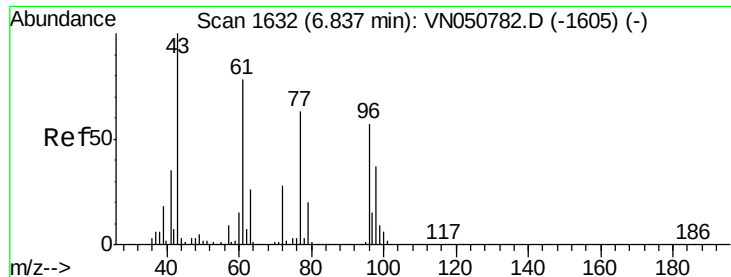
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 84.99 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampled :

VN0821WBS02

Tot Ion: 43 Resp: 252880

Ion Ratio Lower Upper

43 100

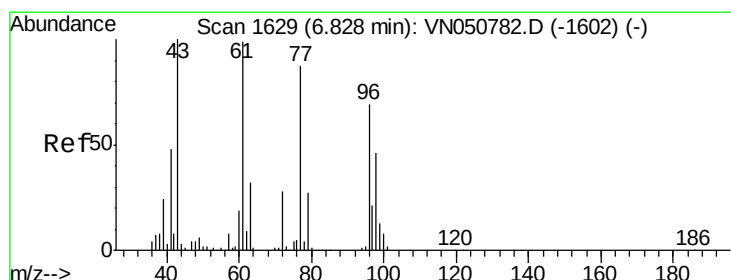
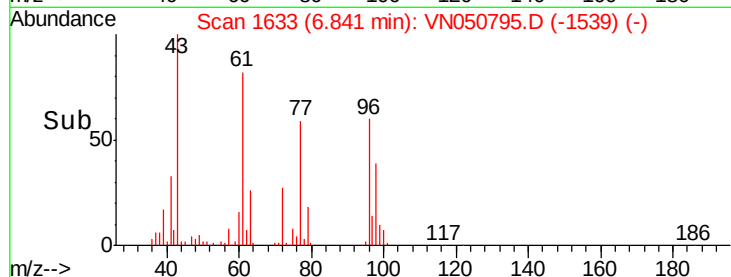
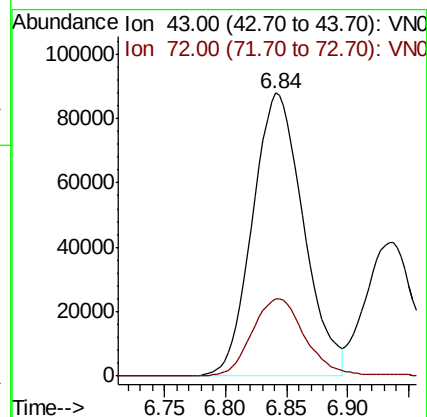
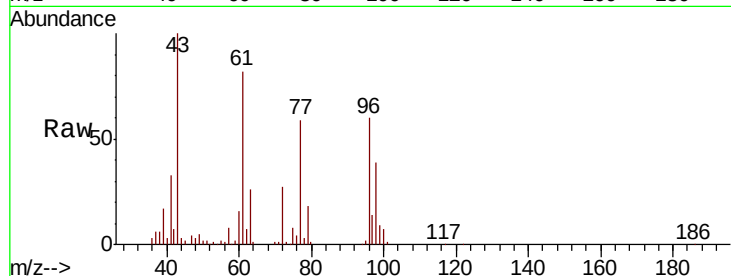
72 27.2 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.58 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050795.D

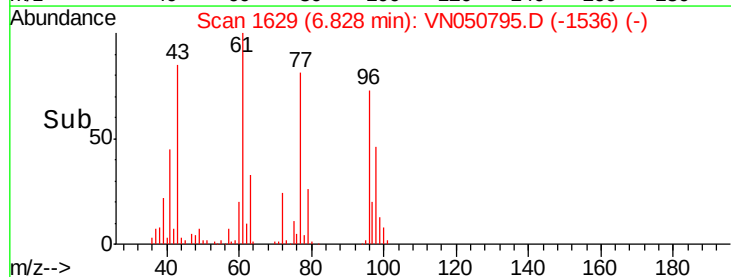
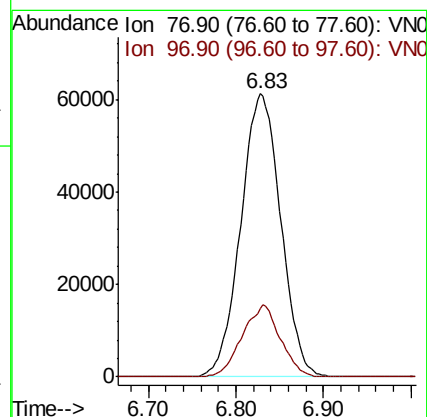
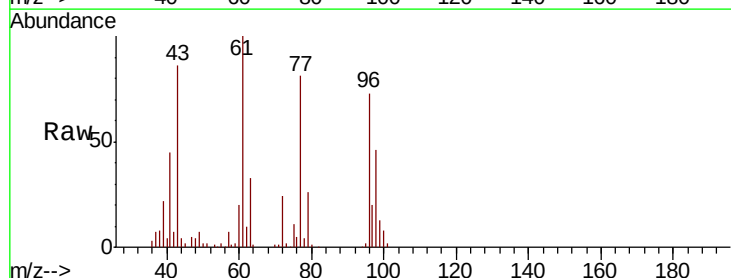
Acq: 21 Aug 2018 21:22

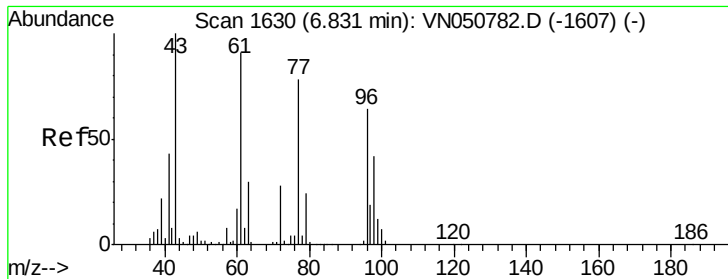
Tgt Ion: 77 Resp: 194023

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.49 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

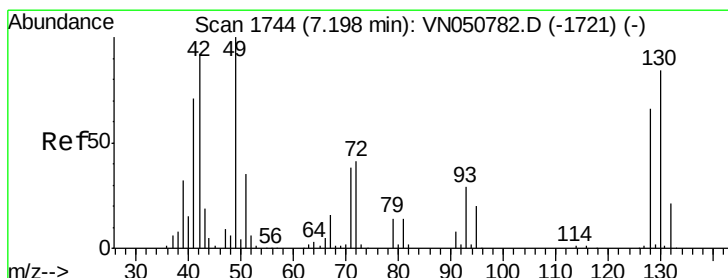
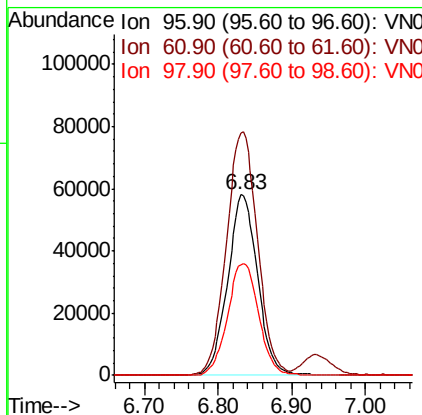
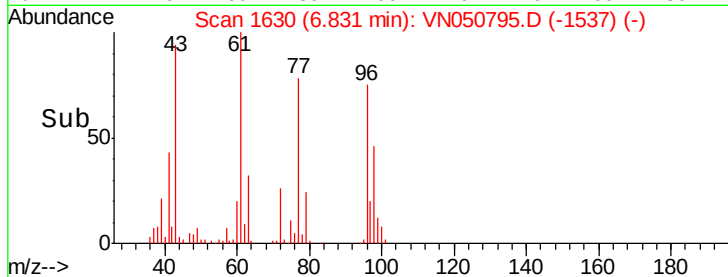
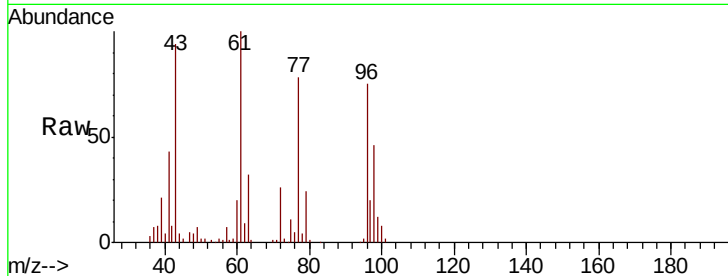
ClientSampled :

VN0821WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 164563 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 139.9 | 0.0   | 283.4  |
| 98       | 64.3  | 0.0   | 129.8  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 20.53 ug/l

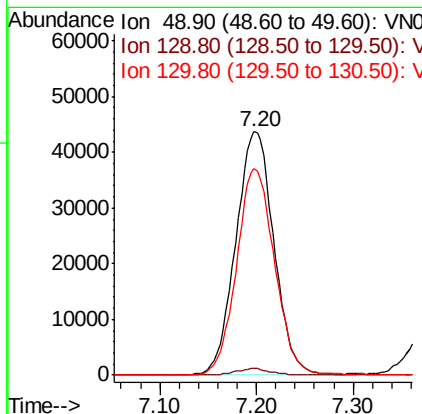
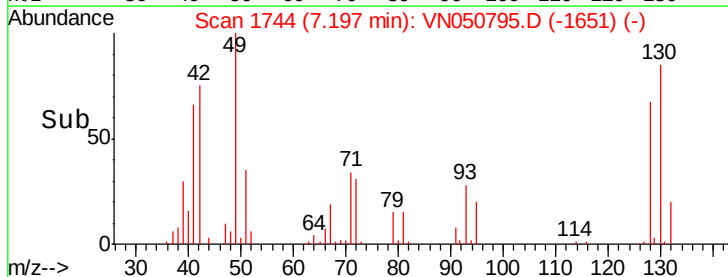
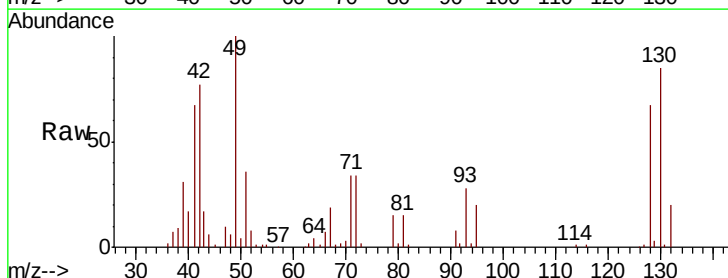
RT: 7.20 min Scan# 1744

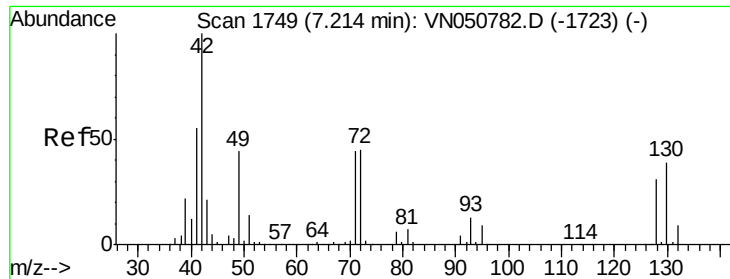
Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 119802 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.3   | 0.0   | 4.2    |
| 130      | 84.4  | 67.1  | 100.7  |





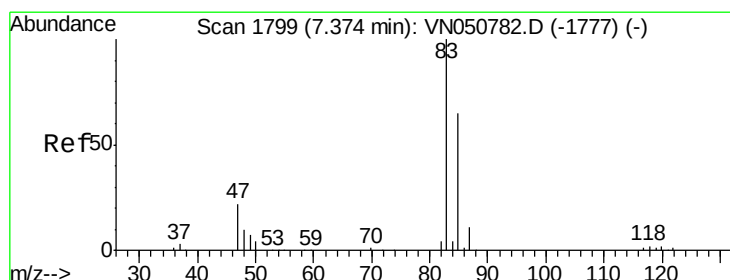
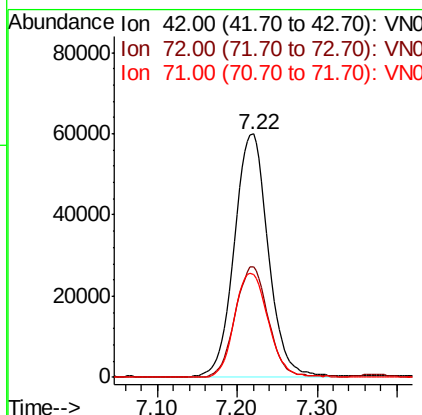
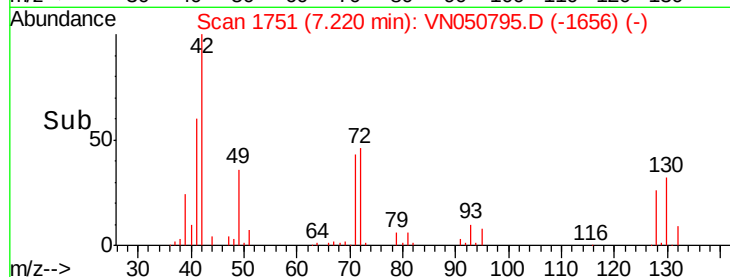
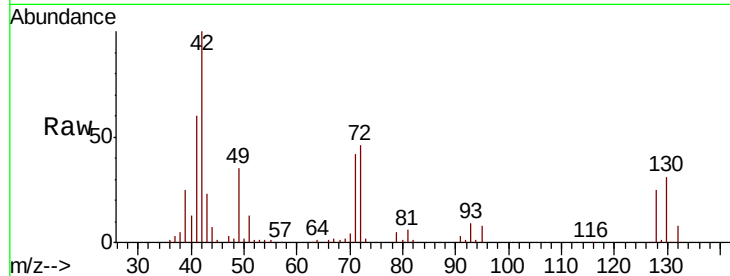
#29  
Tetrahydrofuran  
Concen: 100.06 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.01 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.7  | 35.5  | 53.3  |
| 71      | 42.9  | 33.7  | 50.5  |

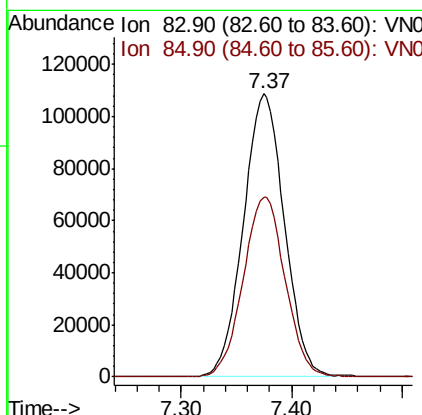
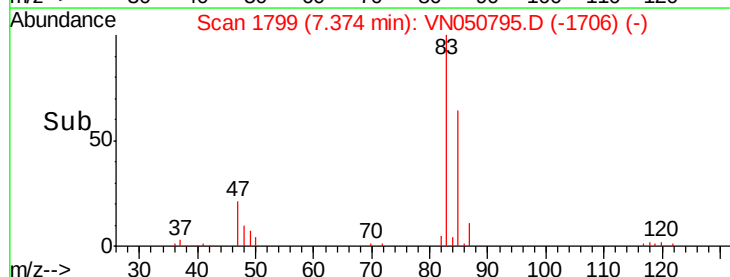
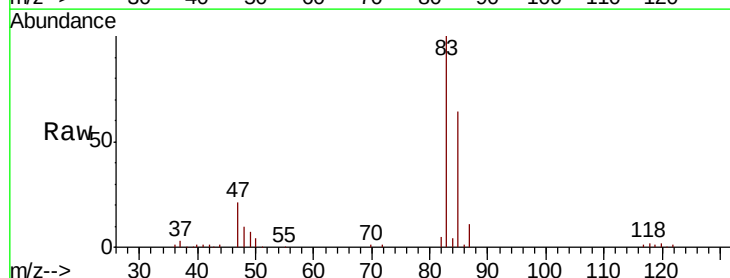
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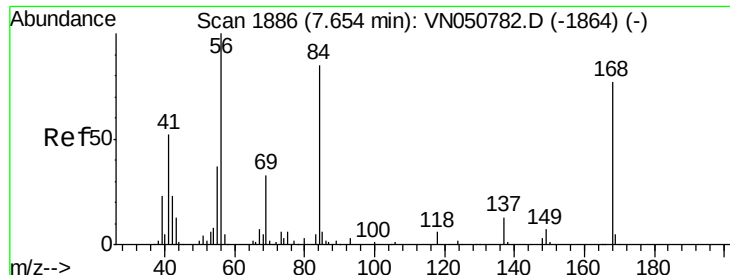
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#30  
Chloroform  
Concen: 20.56 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.6  | 52.2  | 78.4  |





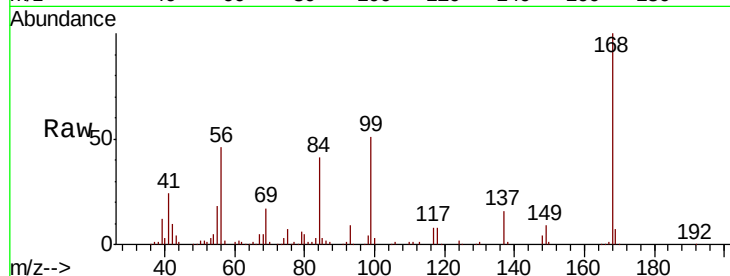
#31  
Cyclohexane  
Concen: 19.98 ug/l  
RT: 7.66 min Scan# 1887  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.9  | 26.2  | 39.4  |
| 84      | 87.8  | 68.3  | 102.5 |

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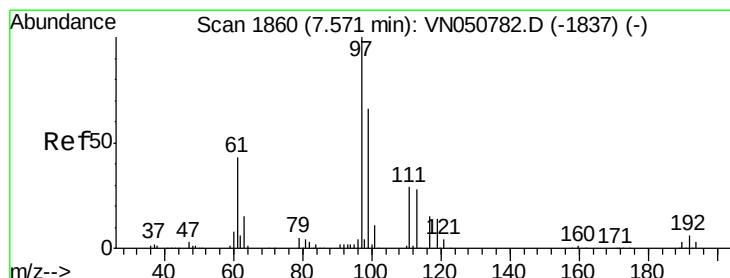
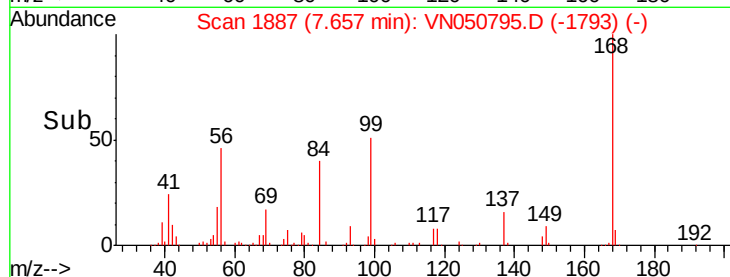
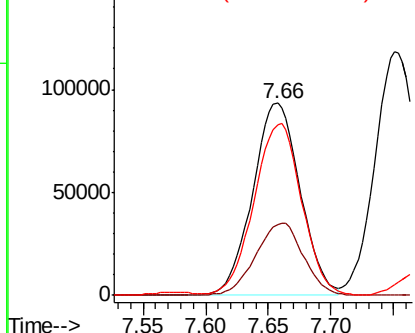


Abundance

Ion 56.00 (55.70 to 56.70): VNO

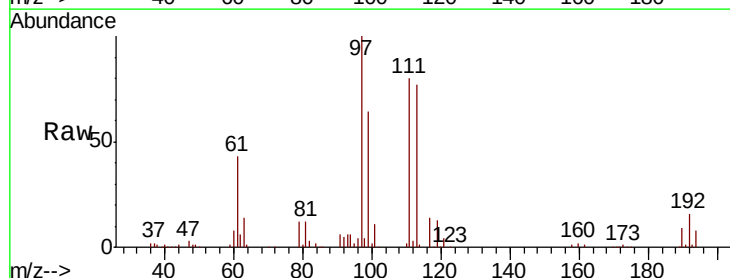
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32  
1,1,1-Trichloroethane  
Concen: 20.36 ug/l  
RT: 7.57 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.7  | 51.8  | 77.6  |
| 61      | 42.9  | 34.9  | 52.3  |

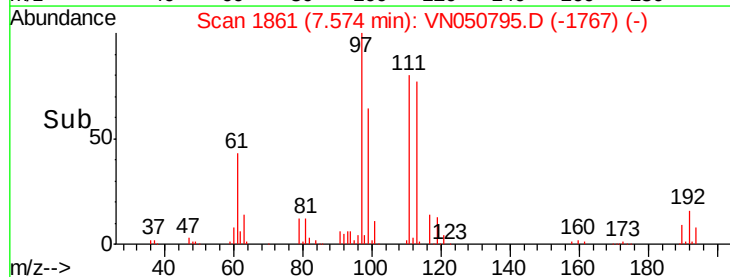
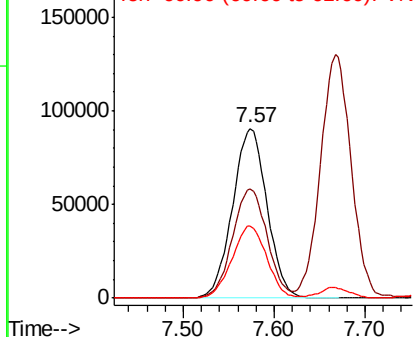


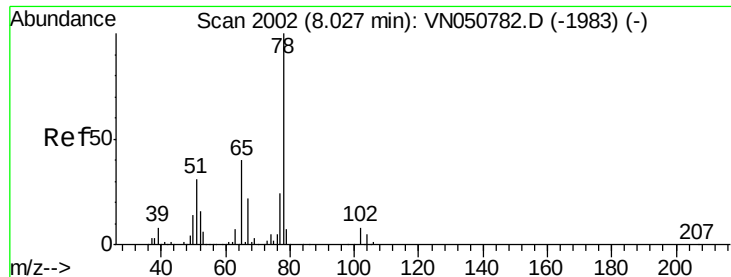
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





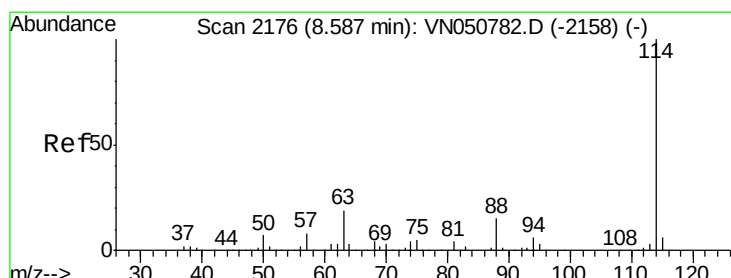
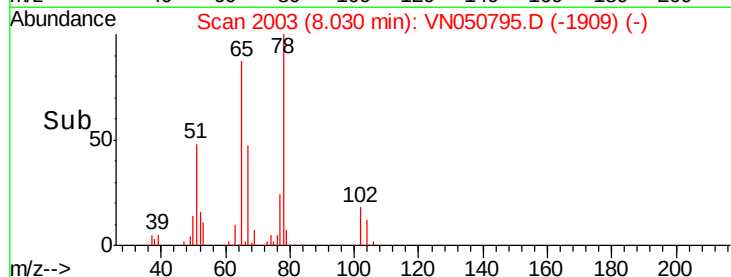
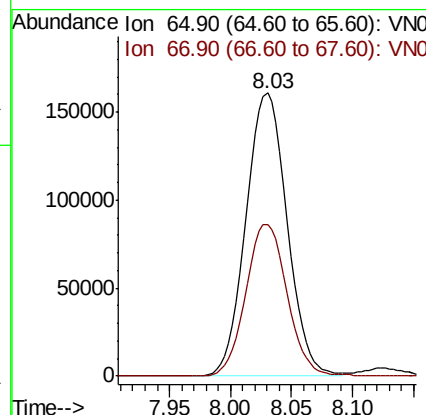
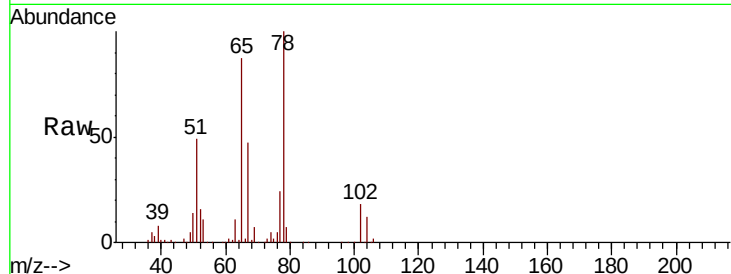
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.93 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.8  | 0.0  | 110.4 |       |

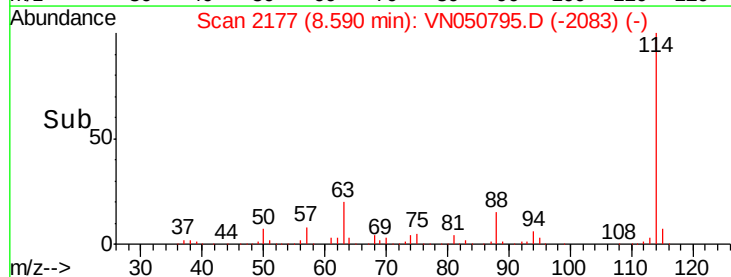
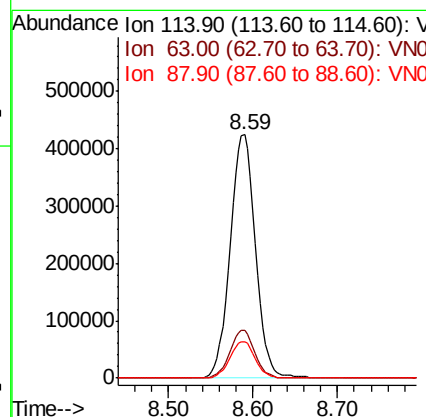
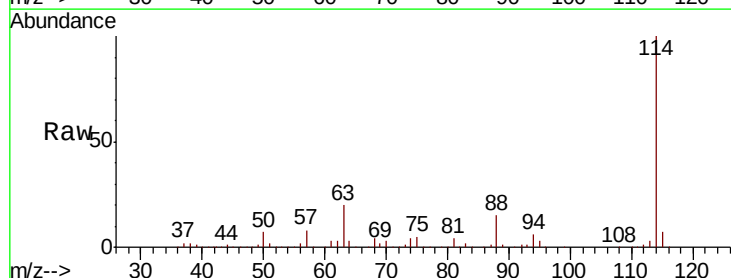
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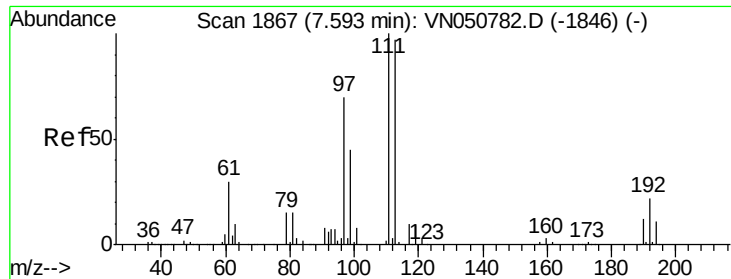
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.5  | 0.0  | 38.6  |       |
| 88      | 15.1  | 0.0  | 30.6  |       |





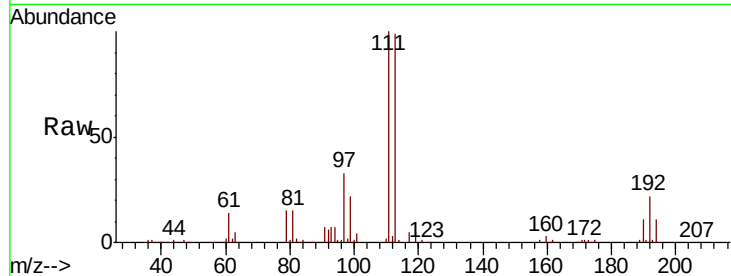
#35  
 Dibromofluoromethane  
 Concen: 50.04 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 103.4 | 82.6 | 123.8 |       |
| 192     | 22.6  | 18.0 | 27.0  |       |

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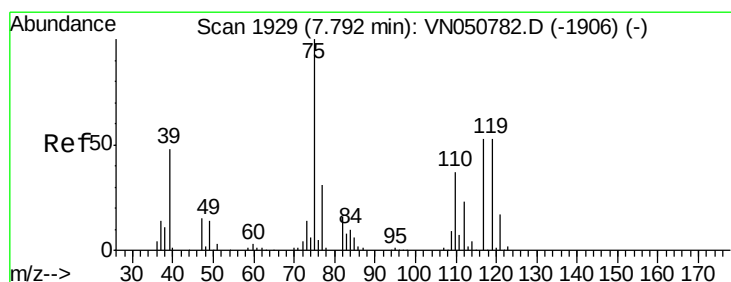
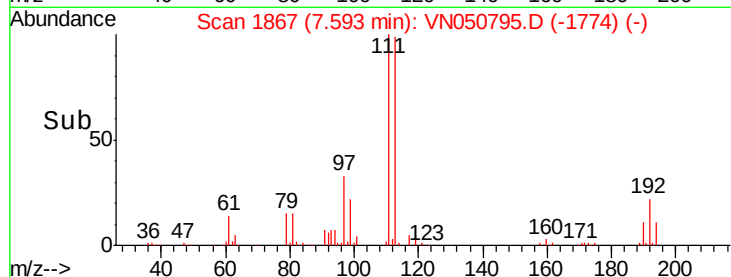
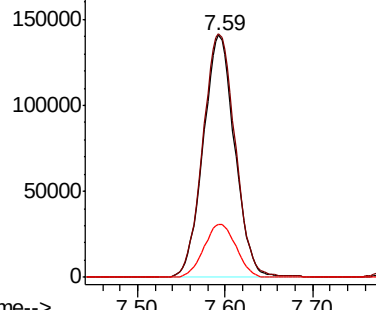


Abundance

Ion 112.80 (112.50 to 113.50): V

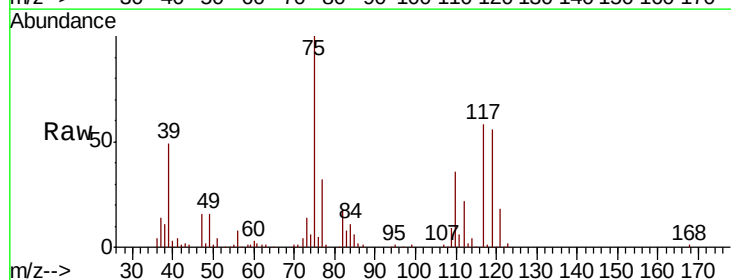
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 20.12 ug/l  
 RT: 7.79 min Scan# 1929  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 36.6  | 18.1 | 54.4  |       |
| 77      | 31.6  | 24.8 | 37.2  |       |

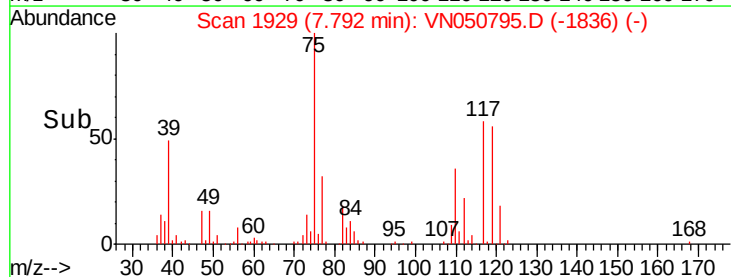
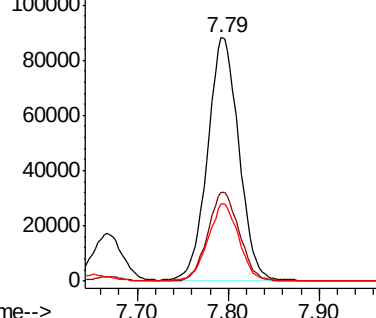


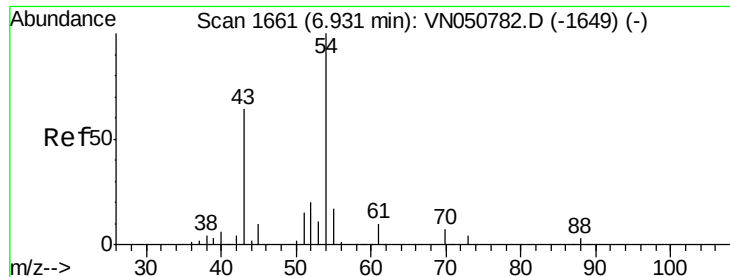
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





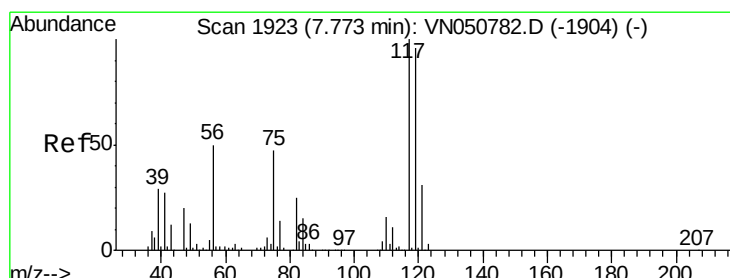
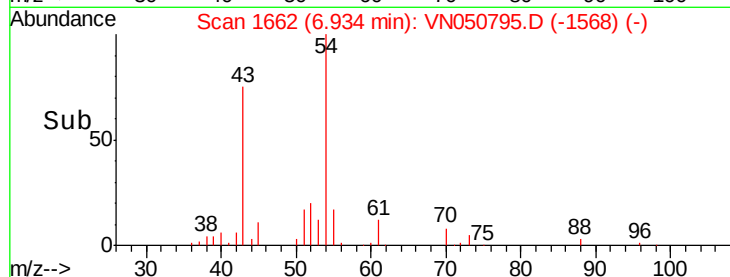
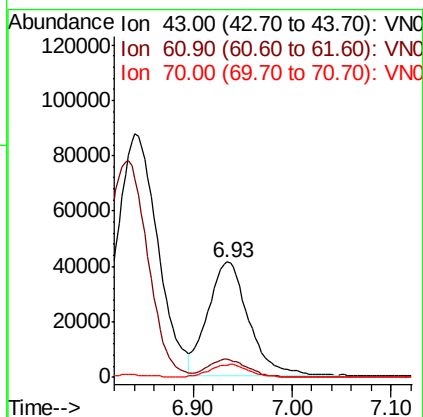
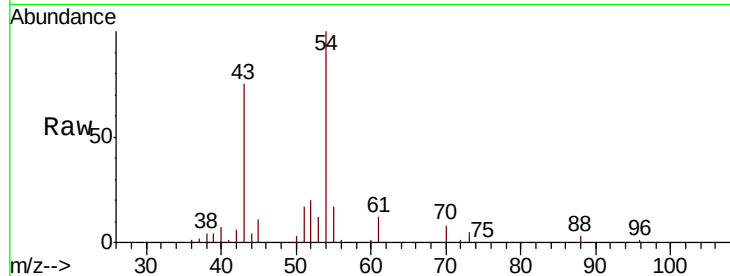
#37  
Ethyl Acetate  
Concen: 19.79 ug/l  
RT: 6.93 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 12.0  | 18.0  |
| 70      | 10.9  | 8.6   | 13.0  |

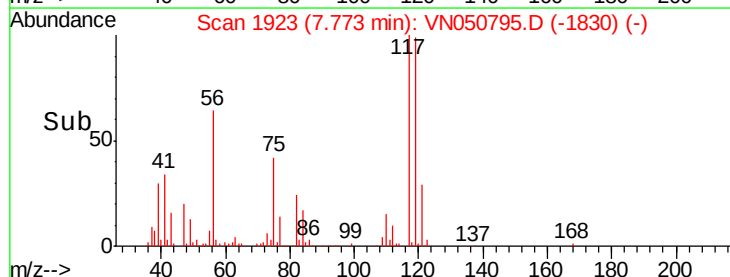
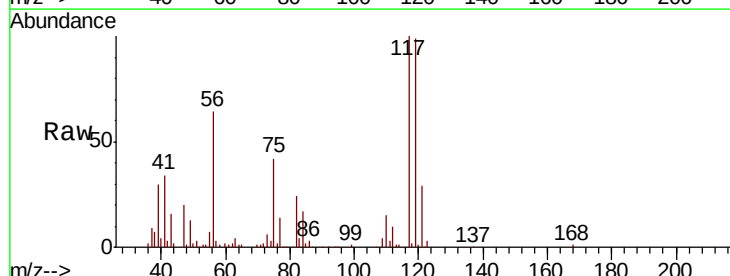
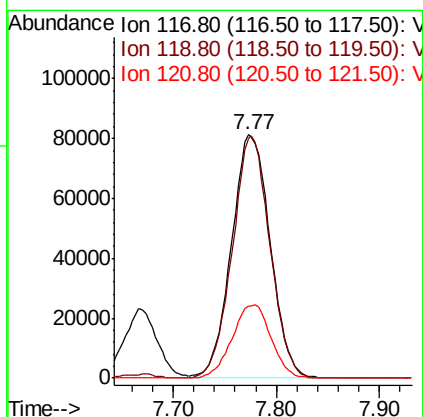
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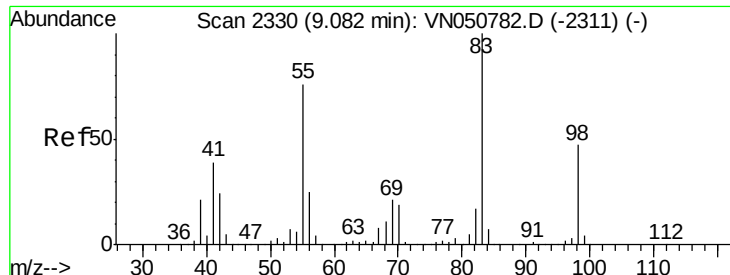


#38  
Carbon Tetrachloride  
Concen: 20.12 ug/l  
RT: 7.77 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.5  | 76.3  | 114.5 |
| 121     | 29.5  | 24.6  | 36.8  |







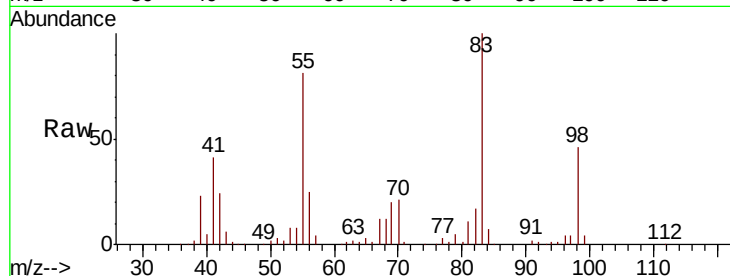
#39  
Methylvlcyclohexane  
Concen: 19.39 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.7  | 61.0  | 91.4  |
| 98      | 45.5  | 37.5  | 56.3  |

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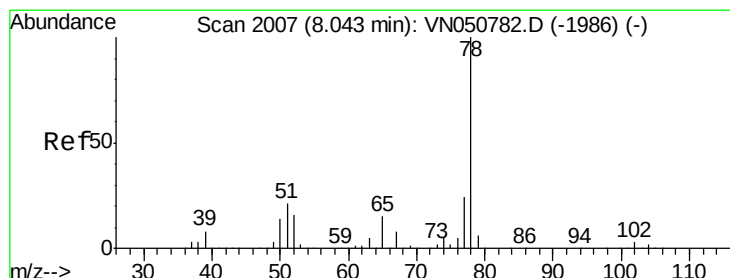
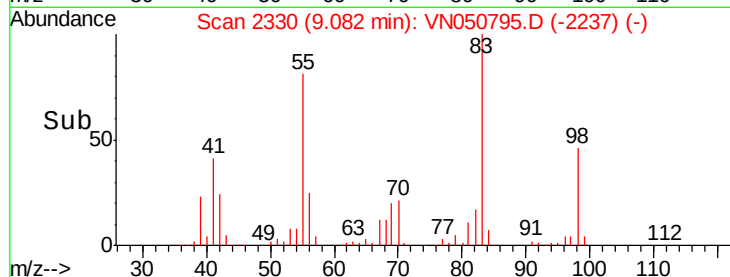
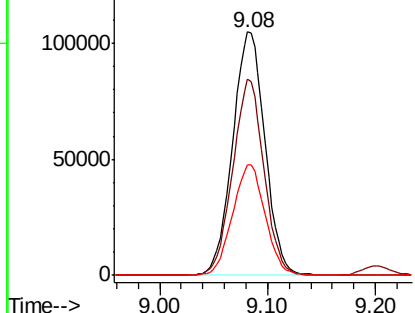


Abundance

Ion 83.00 (82.70 to 83.70): VN0

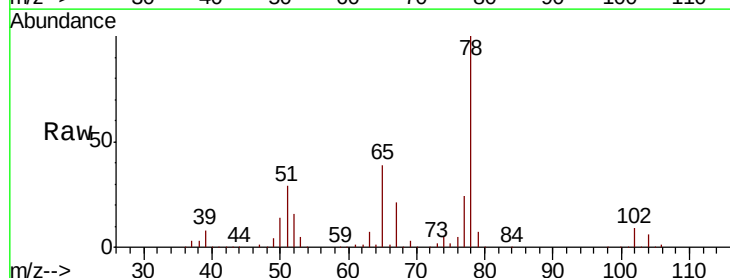
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40  
Benzene  
Concen: 20.51 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

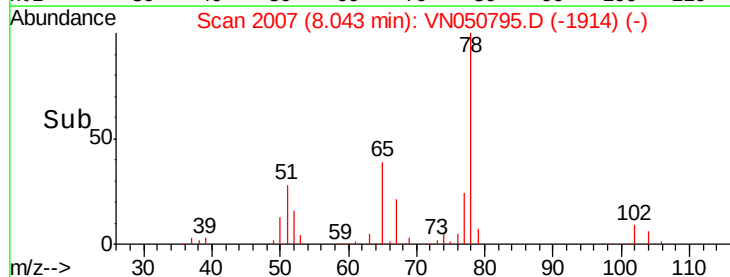
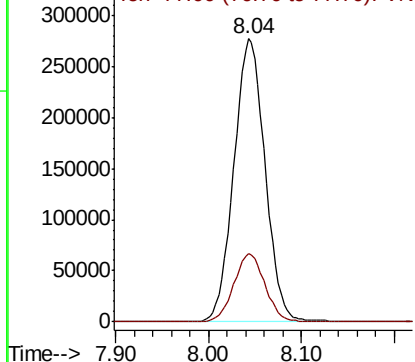
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 19.0  | 28.4  |

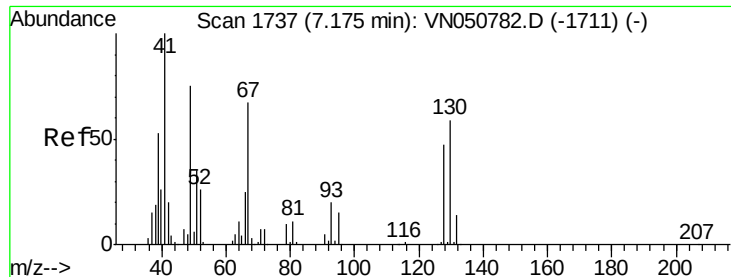


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





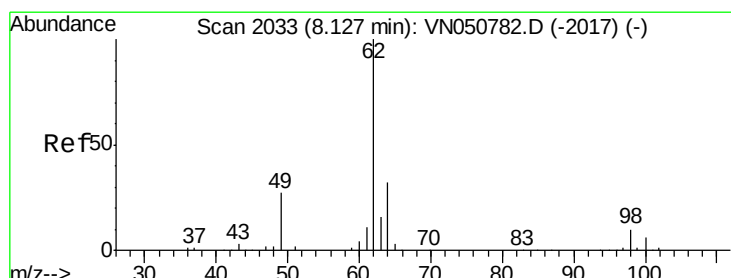
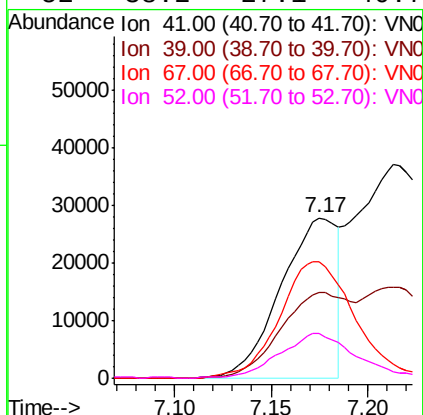
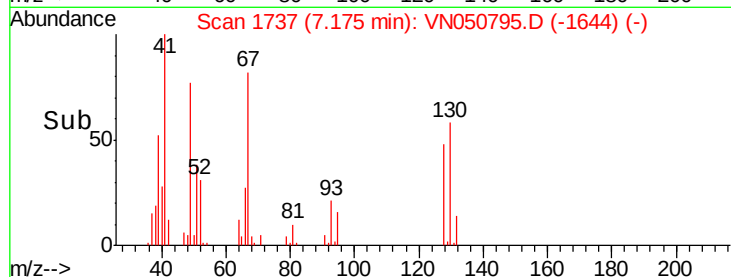
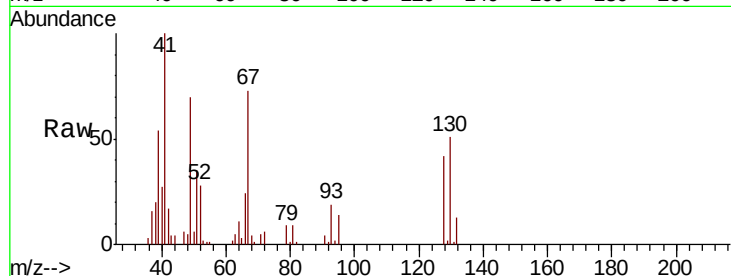
#41  
Methacrylonitrile  
Concen: 17.42 ug/l  
RT: 7.17 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 67.5 | 45.4  | 68.0  |       |
| 67      | 97.8 | 70.6  | 106.0 |       |
| 52      | 38.2 | 27.1  | 40.7  |       |

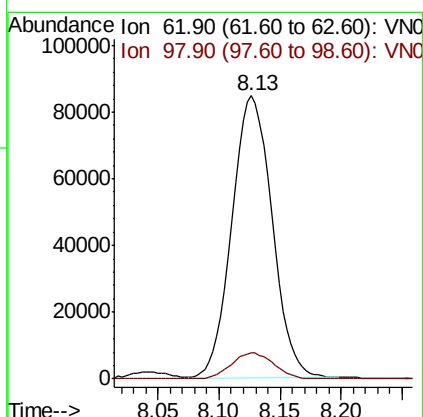
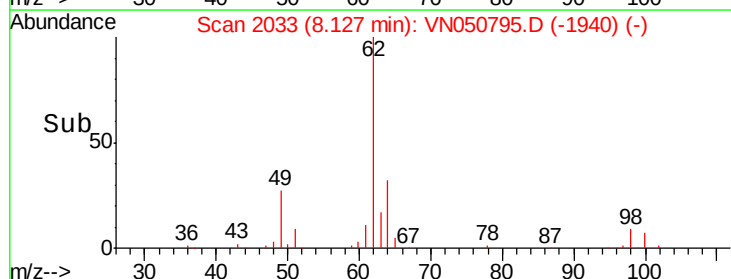
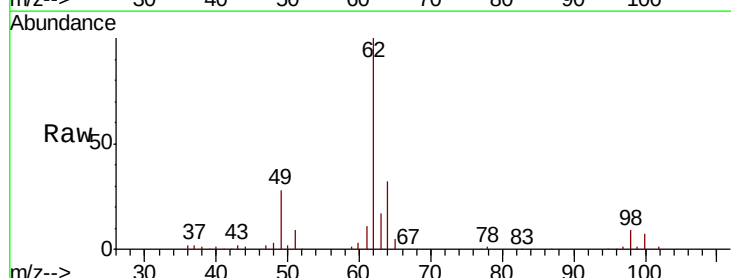
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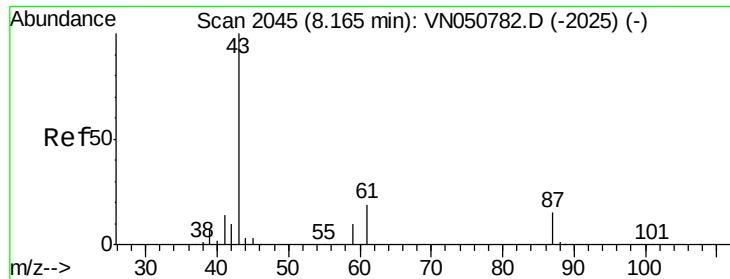
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 20.57 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.7 | 0.0   | 19.6  |       |





#43

Isopropyl Acetate

Concen: 20.06 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

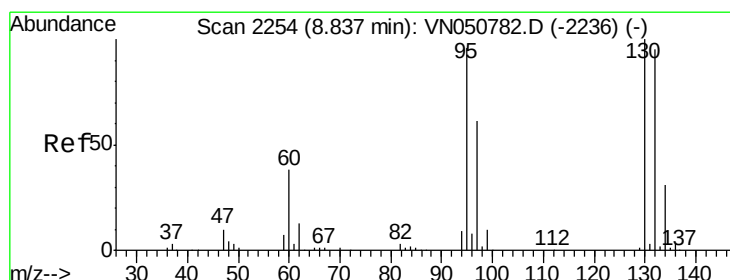
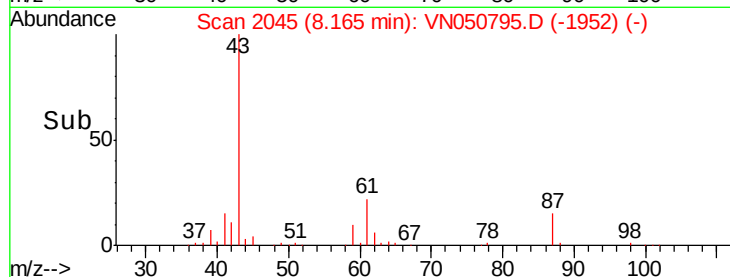
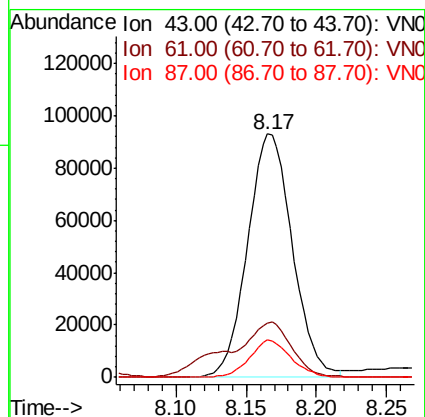
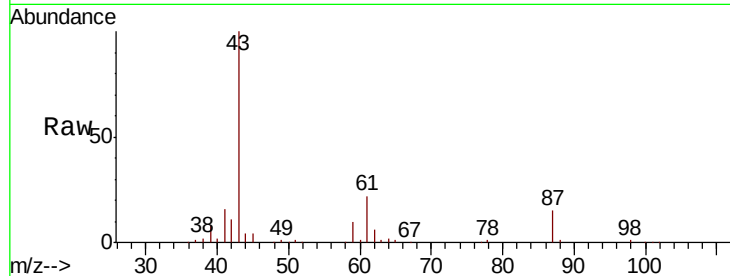
ClientSampleId :

VN0821WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 206943 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.6  | 17.5  | 26.3#  |
| 87       | 14.3  | 11.3  | 16.9   |

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#44

Trichloroethene

Concen: 20.07 ug/l

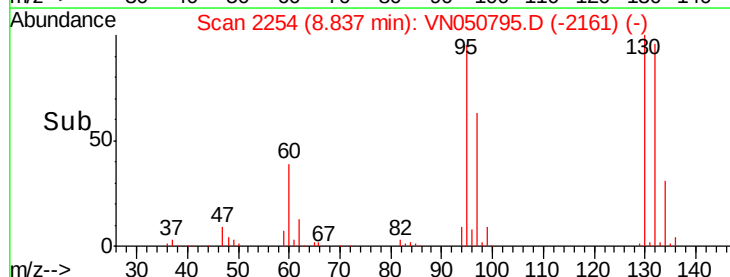
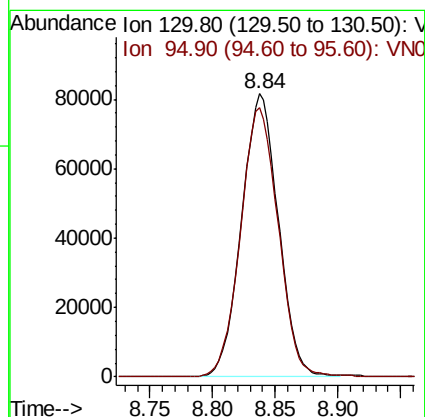
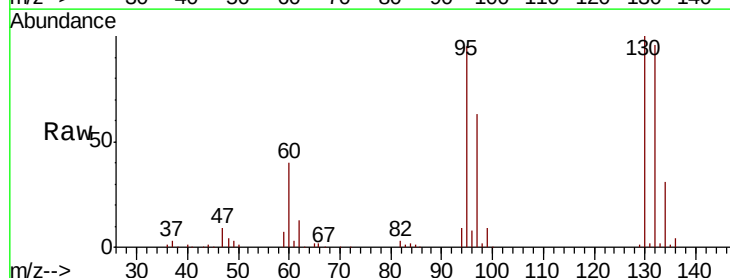
RT: 8.84 min Scan# 2254

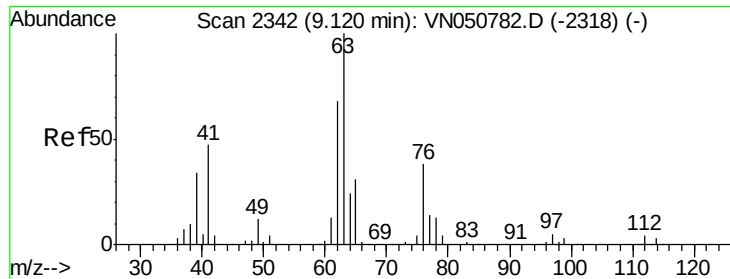
Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 166759 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.1  | 0.0   | 193.0  |





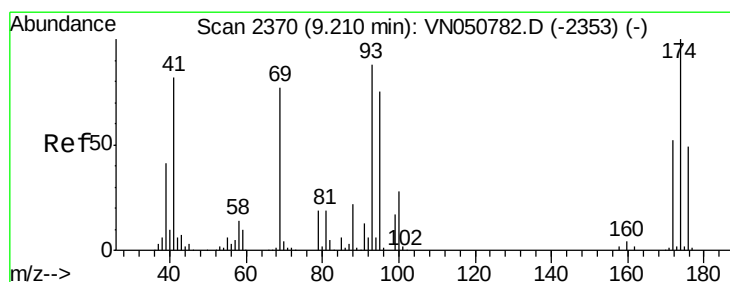
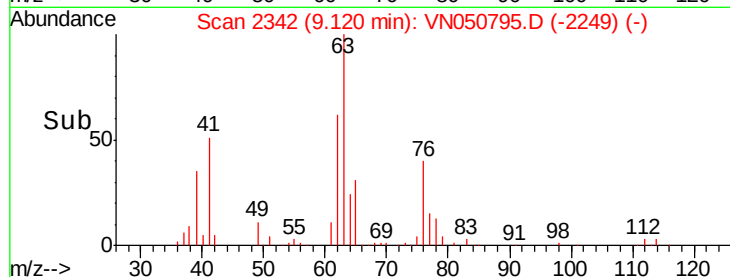
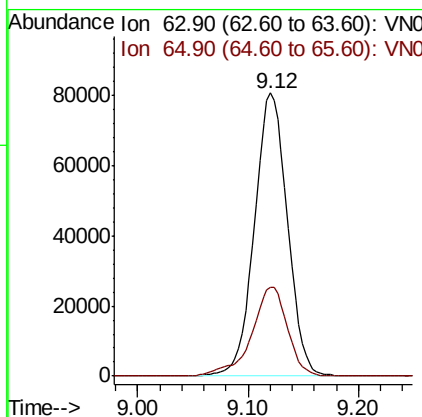
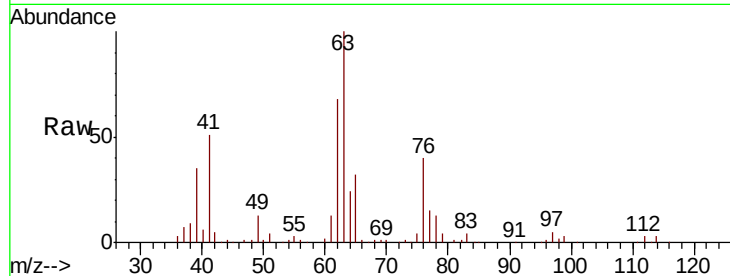
#45  
 1,2-Dichloropropane  
 Concen: 20.22 ug/l  
 RT: 9.12 min Scan# 2342  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.6  | 25.0  | 37.6  |

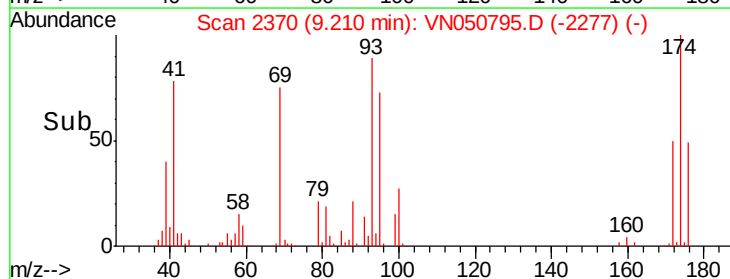
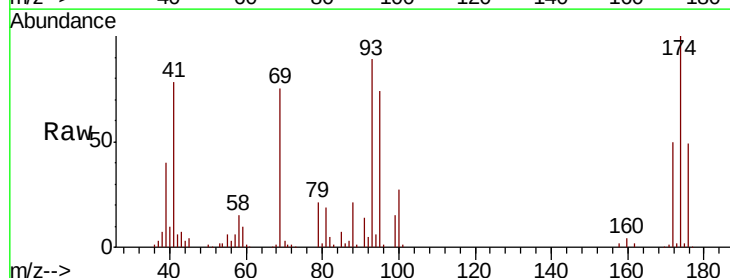
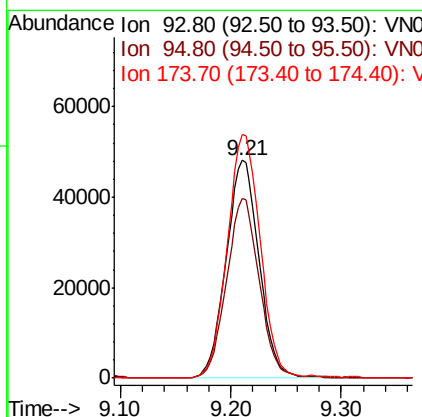
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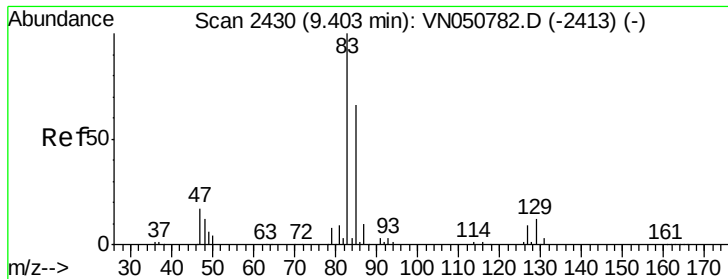
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#46  
 Dibromomethane  
 Concen: 20.50 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 81.8  | 66.7  | 100.1 |
| 174     | 111.7 | 89.8  | 134.6 |





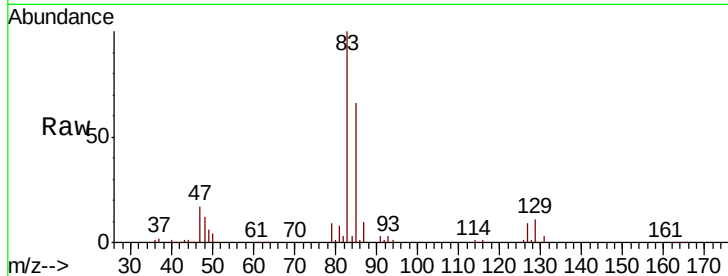
#47  
Bromodichloromethane  
Concen: 20.30 ug/l  
RT: 9.40 min Scan# 2430  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

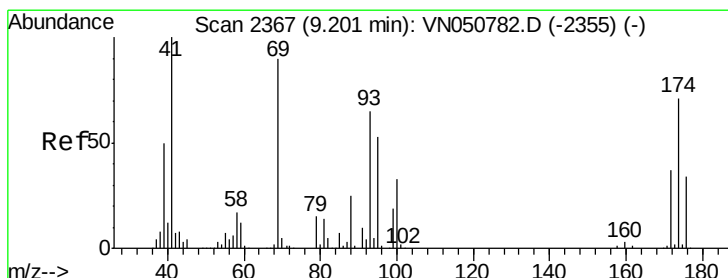
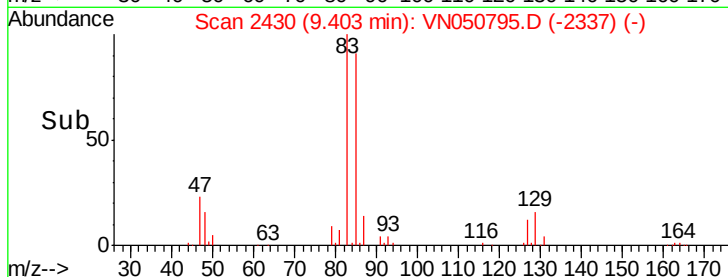
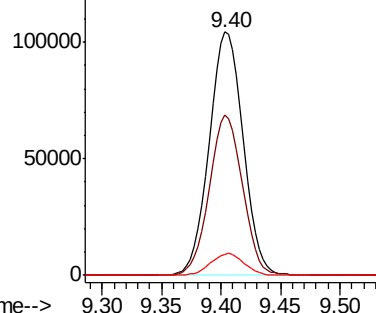
| Tot Ion   | 83   | Resp  | 206851 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.7 | 52.6  | 78.8   |
| 127       | 8.8  | 7.2   | 10.8   |

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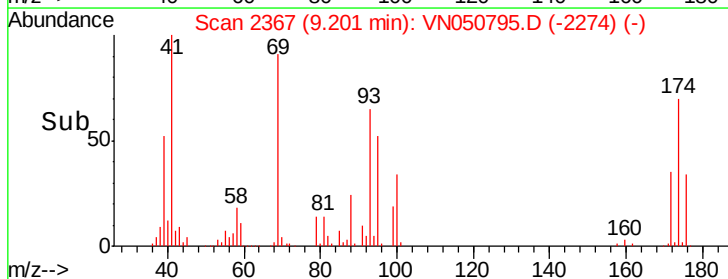
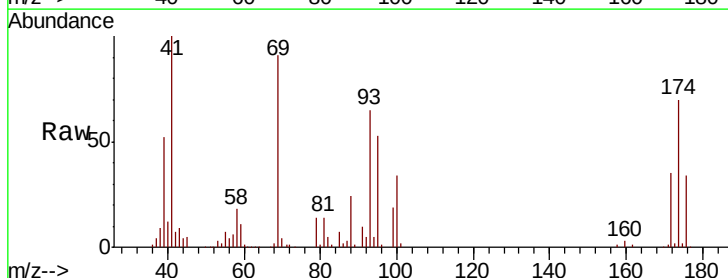
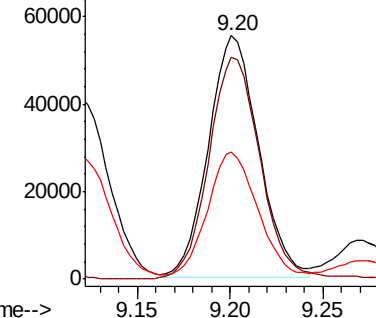
Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): VN0

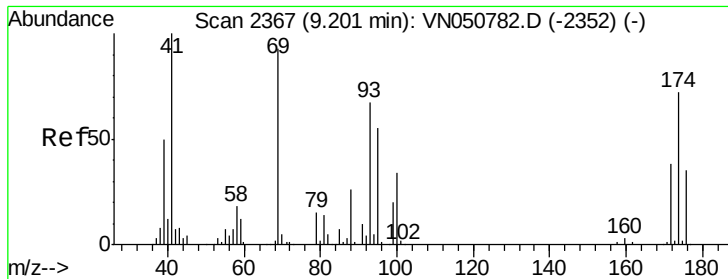


#48  
Methyl methacrylate  
Concen: 19.86 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion   | 41   | Resp  | 104432 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 93.1 | 74.7  | 112.1  |
| 39        | 52.5 | 42.2  | 63.2   |

Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0





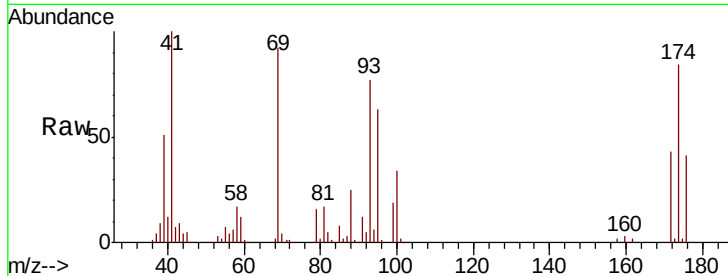
#49  
 1,4-Dioxane  
 Concen: 390.95 ug/l  
 RT: 9.20 min Scan# 2368  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.6  | 25.9  | 38.9  |
| 58      | 72.2  | 55.0  | 82.4  |

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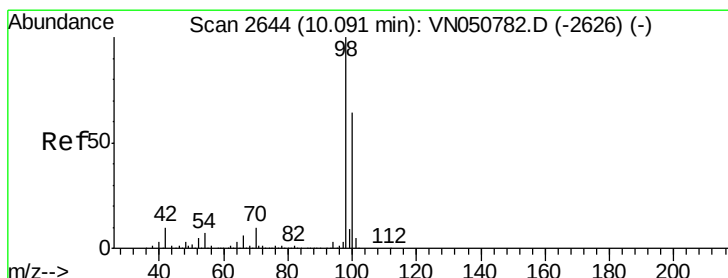
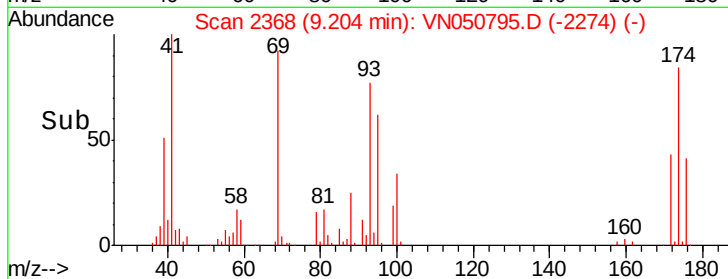
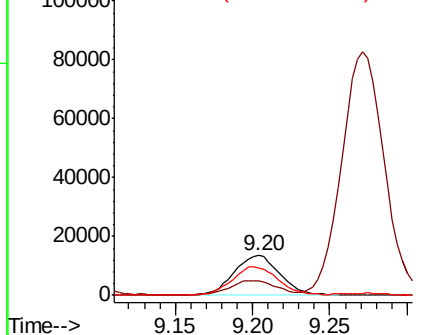


Abundance

Ion 88.00 (87.70 to 88.70): VN0

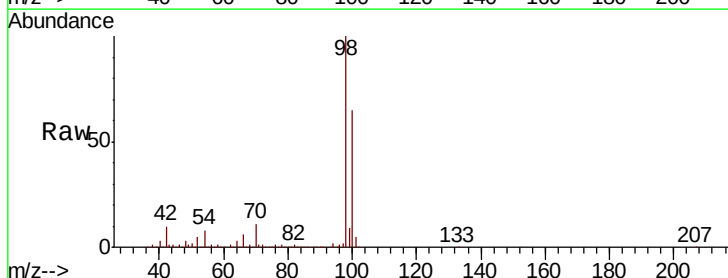
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50  
 Toluene-d8  
 Concen: 50.15 ug/l  
 RT: 10.09 min Scan# 2644  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

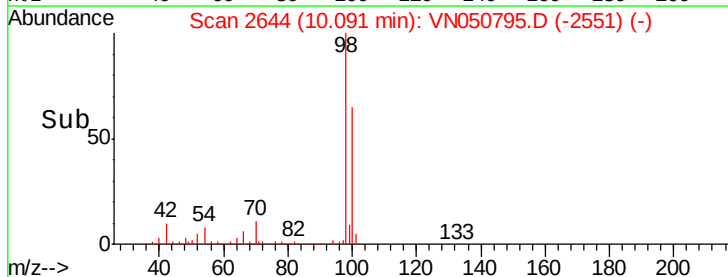
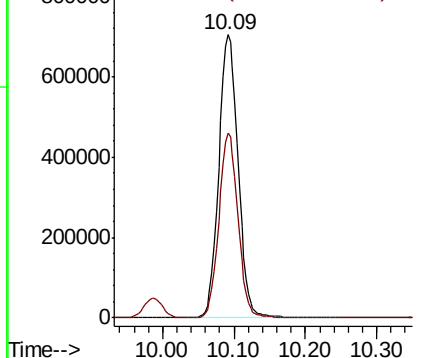
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.5  | 51.5  | 77.3  |

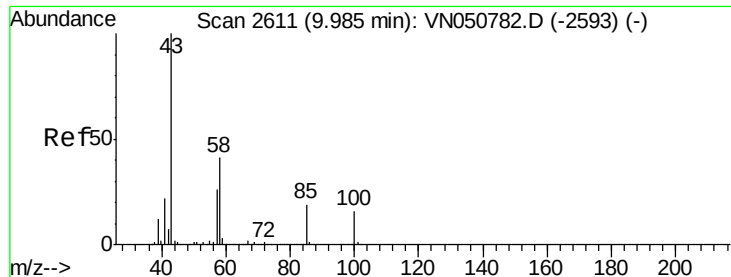


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 95.79 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampled :

VN0821WBS02

Tot Ion: 43 Resp: 589760

Ion Ratio Lower Upper

43 100

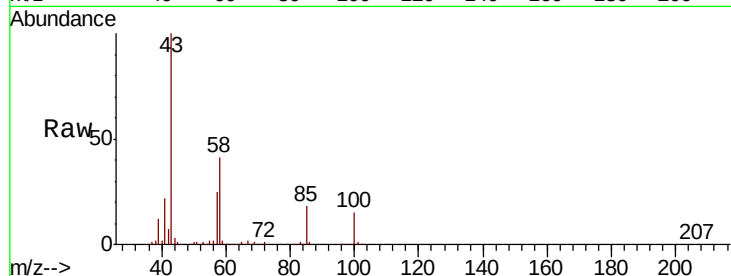
58 40.8 32.4 48.6

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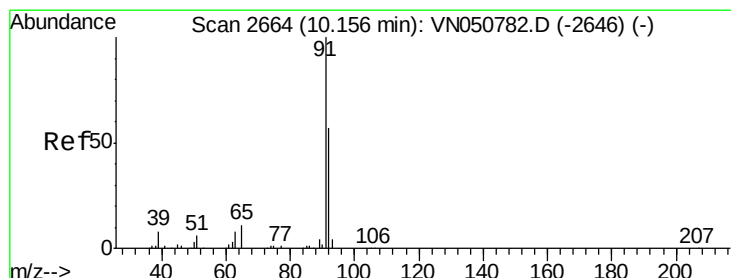
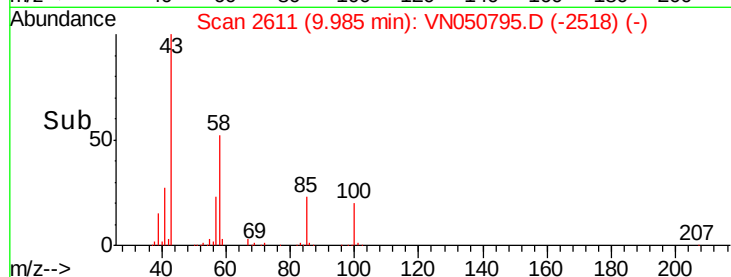
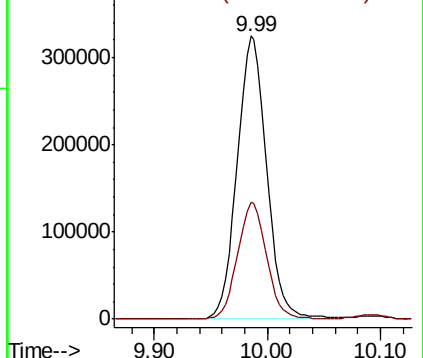
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050795.D

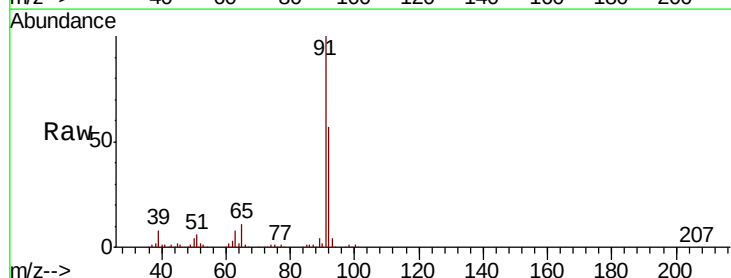
Acq: 21 Aug 2018 21:22

Tgt Ion: 92 Resp: 388949

Ion Ratio Lower Upper

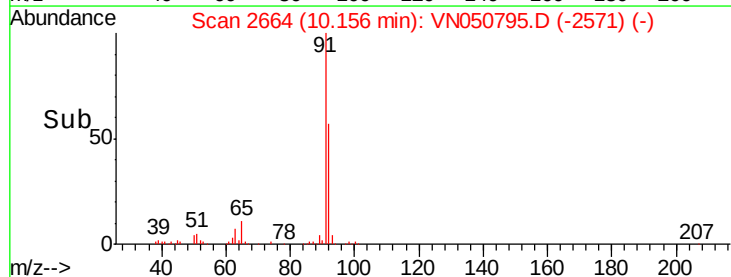
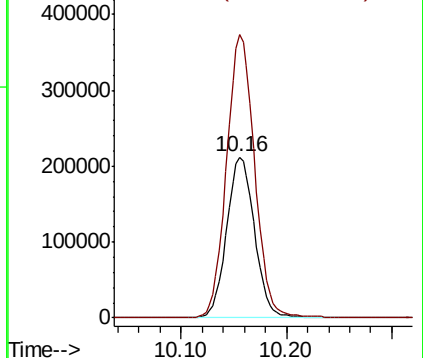
92 100

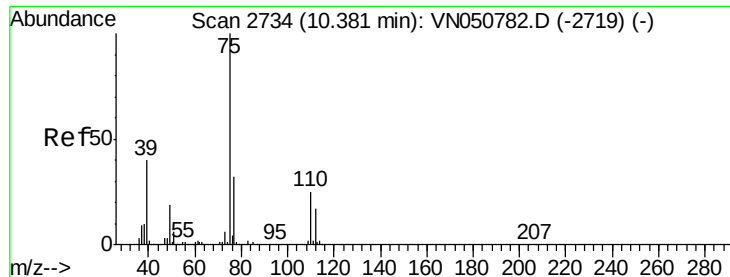
91 177.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.05 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampled :

VN0821WBS02

Tot Ion: 75 Resp: 193198

Ion Ratio Lower Upper

75 100

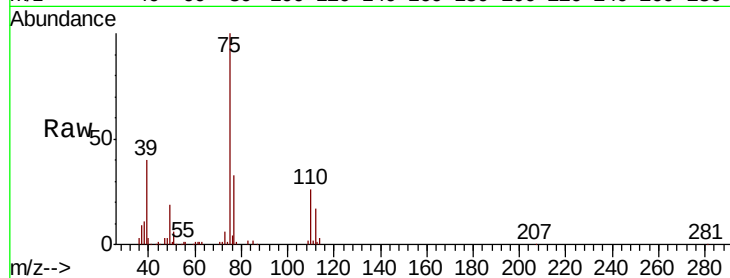
77 32.1 25.7 38.5

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

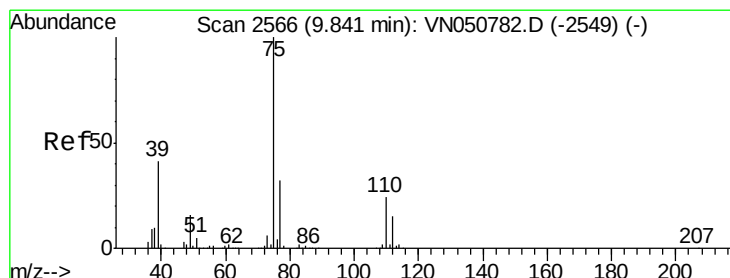
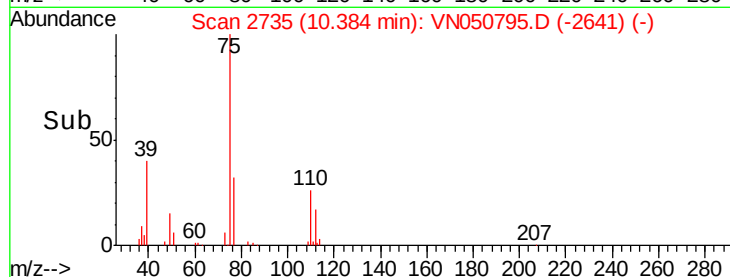
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.68 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

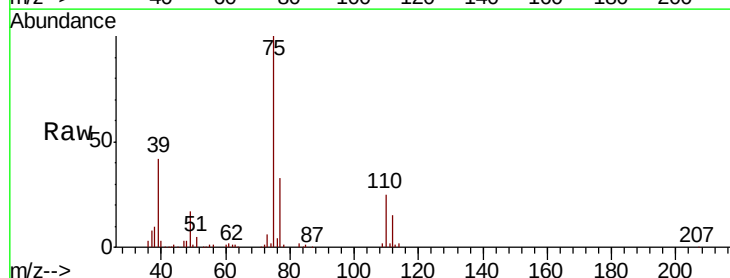
Tgt Ion: 75 Resp: 228524

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

39 41.6 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

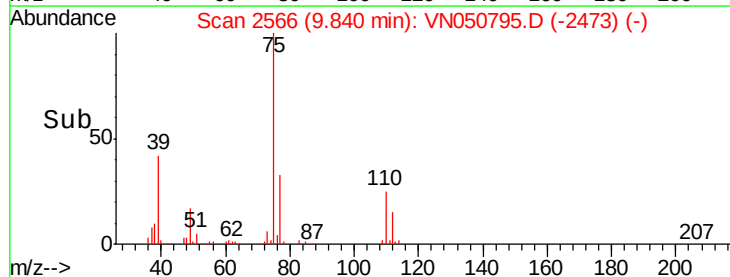
150000

100000

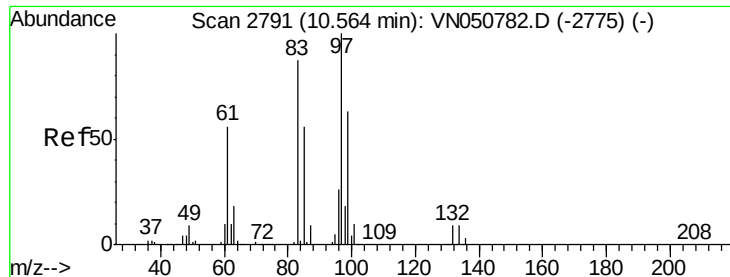
50000

0

Time-->







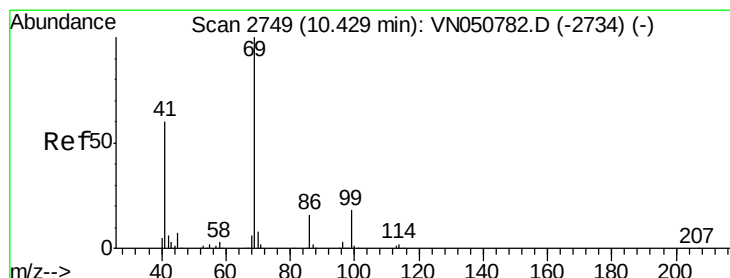
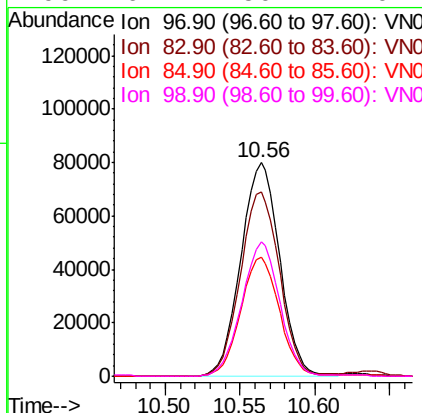
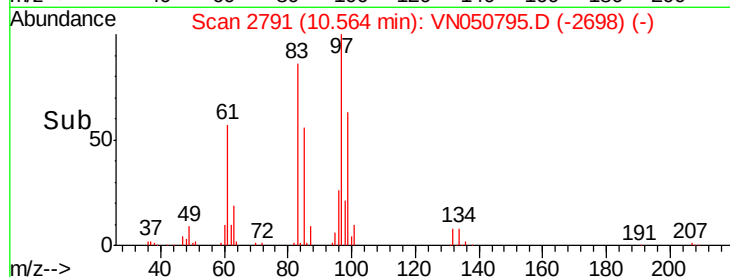
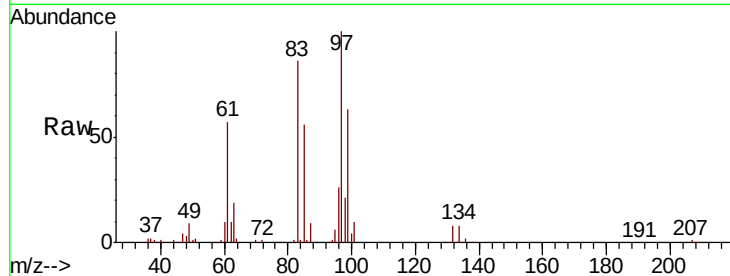
#55  
 1,1,2-Trichloroethane  
 Concen: 20.87 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 144548 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.4  | 69.7  | 104.5  |
| 85       | 55.8  | 44.5  | 66.7   |
| 99       | 62.7  | 50.7  | 76.1   |

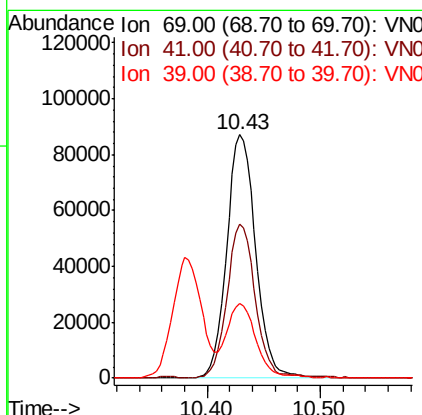
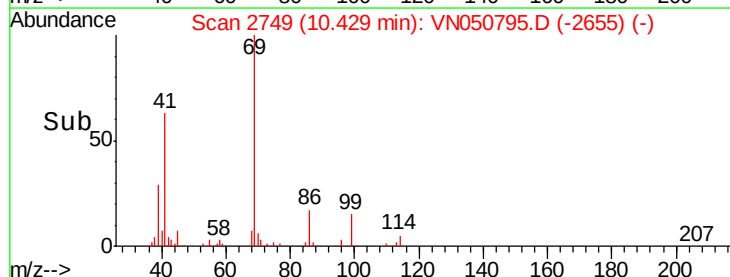
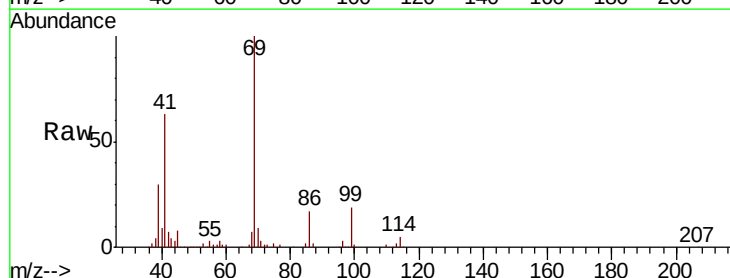
Manual Integrations  
 APPROVED

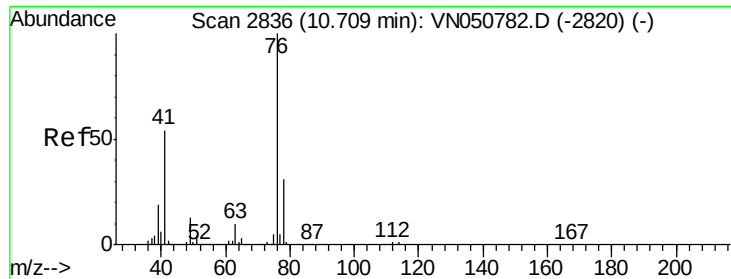
MMDadoda  
 8/22/2018 11:19:21 AM



#56  
 Ethyl methacrylate  
 Concen: 18.78 ug/l  
 RT: 10.43 min Scan# 2749  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 155361 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.9  | 48.3  | 72.5   |
| 39       | 30.3  | 24.0  | 36.0   |





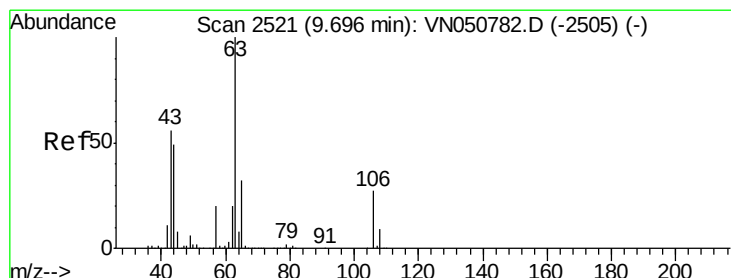
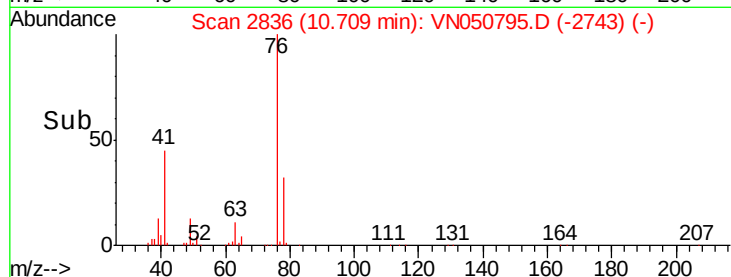
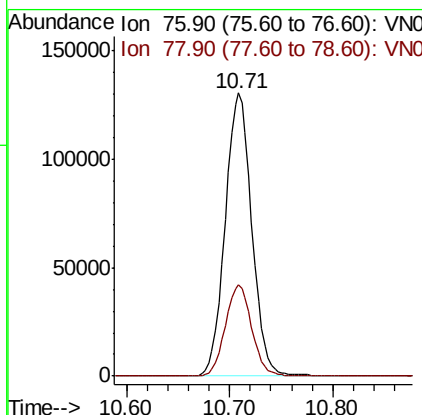
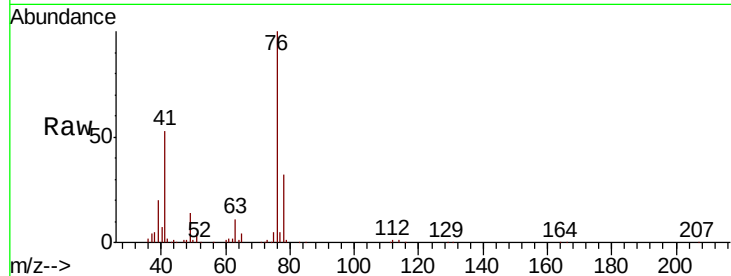
#57  
 1,3-Dichloropropane  
 Concen: 20.53 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 25.5  | 38.3  |

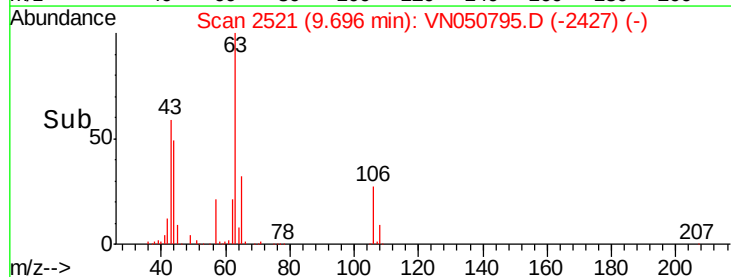
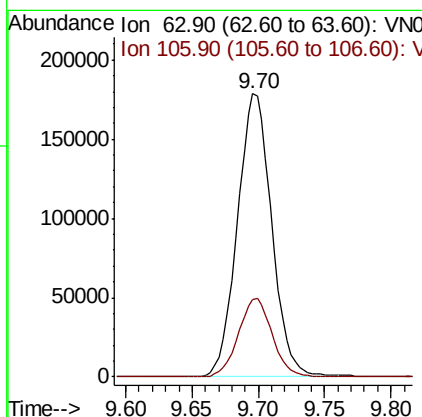
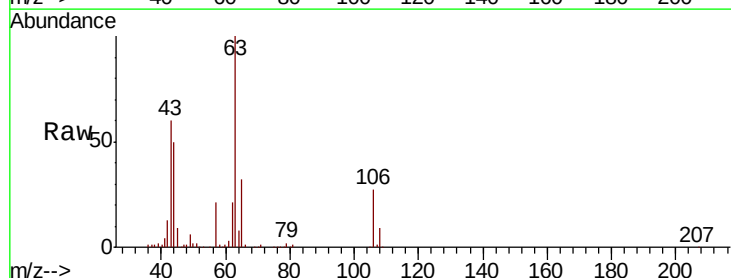
Manual Integrations  
 APPROVED

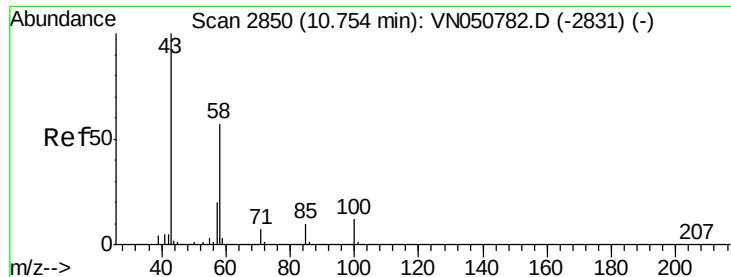
MMDadoda  
 8/22/2018 11:19:21 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 89.88 ug/l  
 RT: 9.70 min Scan# 2521  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.3  | 21.9  | 32.9  |





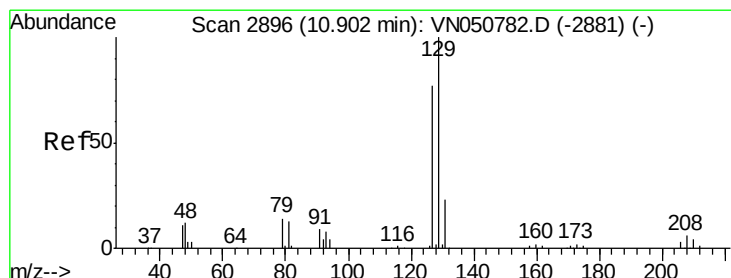
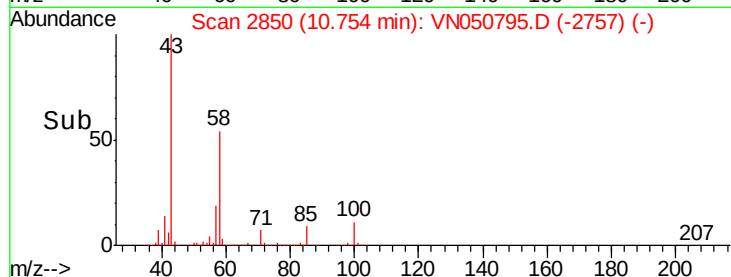
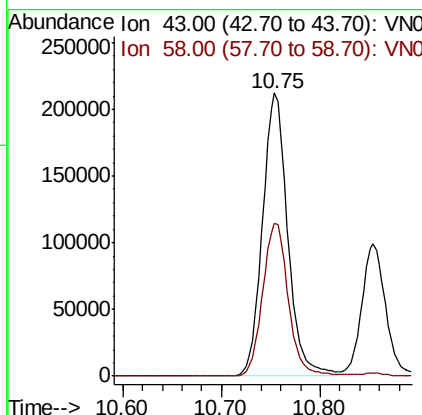
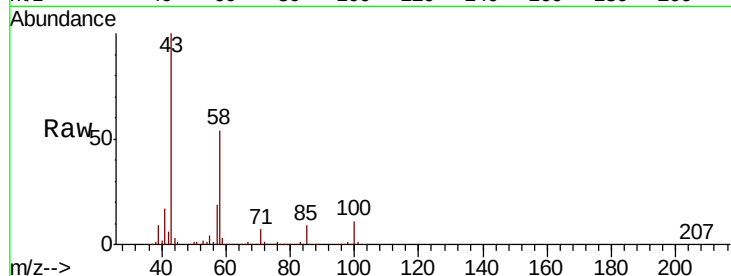
#59  
2-Hexanone  
Concen: 91.23 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.9  | 28.3  | 85.0  |

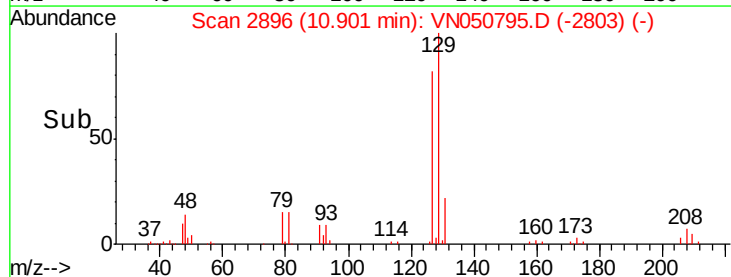
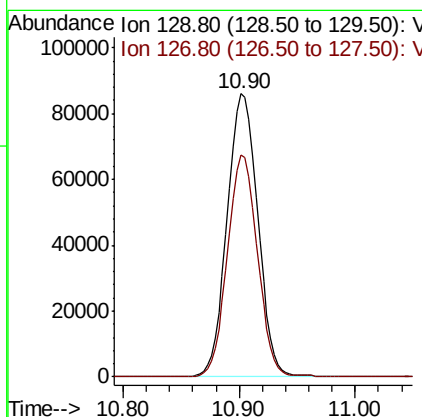
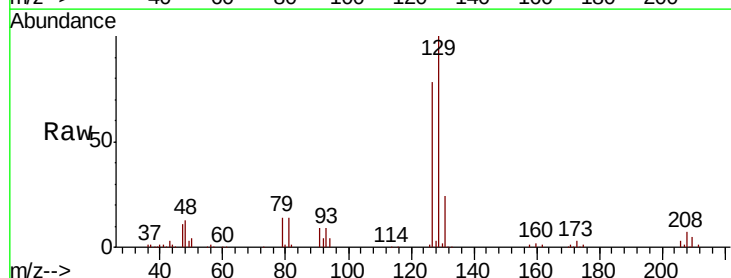
Manual Integrations  
APPROVED

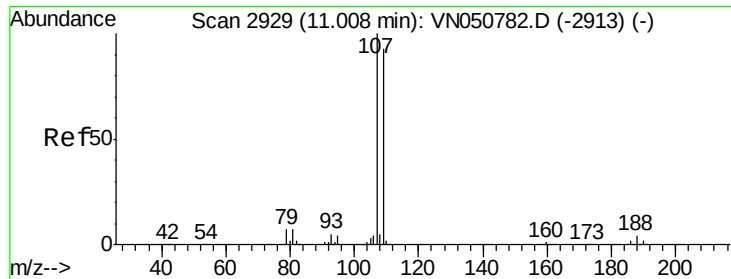
MMDadoda  
8/22/2018 11:19:21 AM



#60  
Dibromochloromethane  
Concen: 20.33 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.5  | 38.3  | 114.9 |





#61

1,2-Dibromoethane

Concen: 20.32 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion: 107 Resp: 136074

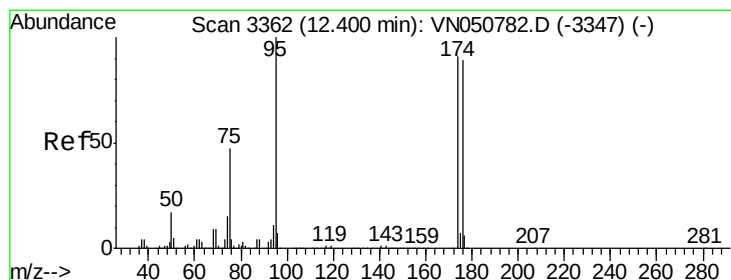
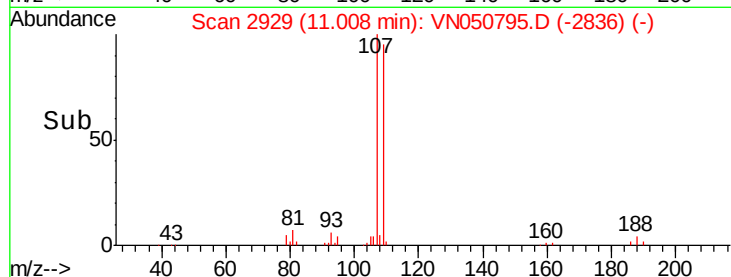
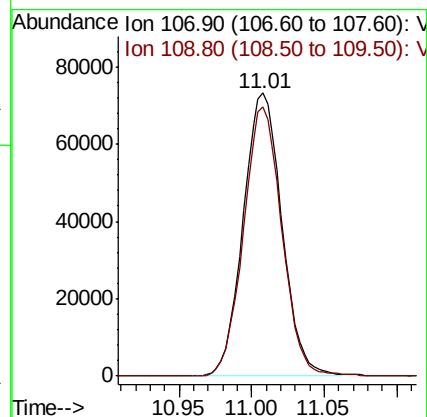
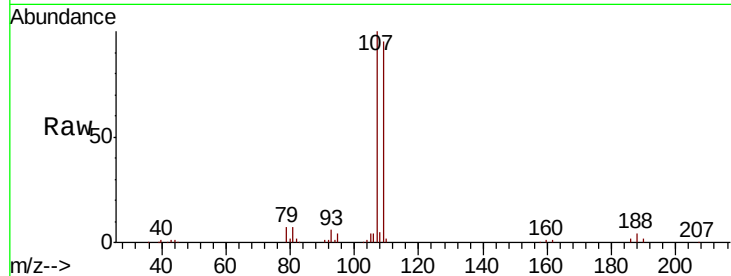
Ion Ratio Lower Upper

107 100

109 94.1 75.4 113.2

Manual Integrations  
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MMDadoda  
8/22/2018 11:19:21 AM



#62

4-Bromofluorobenzene

Concen: 48.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

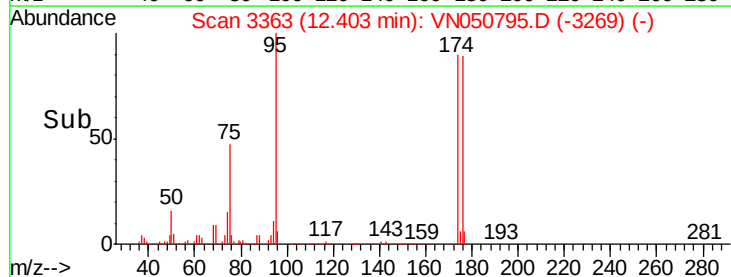
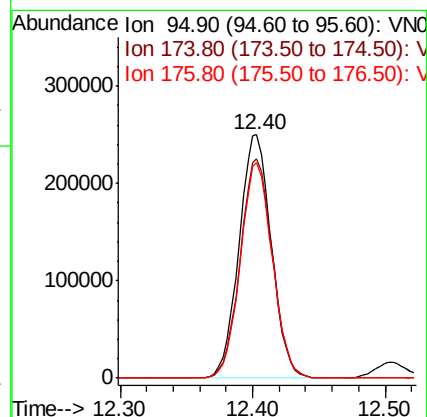
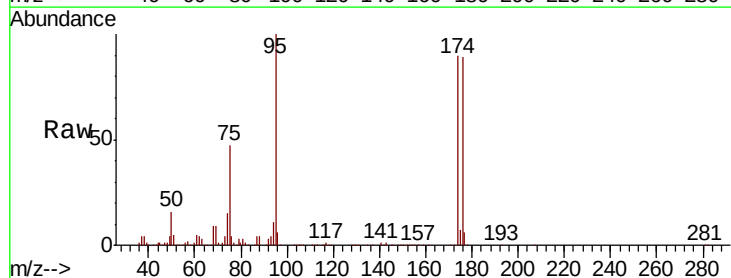
Tgt Ion: 95 Resp: 421975

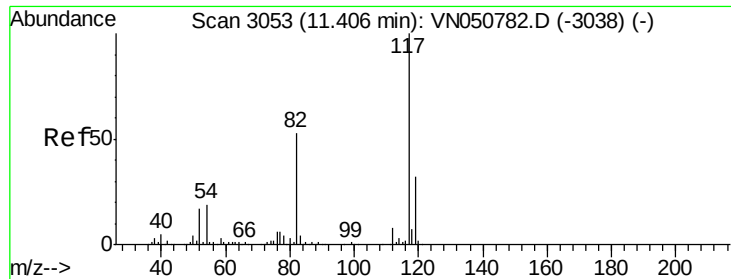
Ion Ratio Lower Upper

95 100

174 90.1 0.0 183.0

176 87.9 0.0 178.8





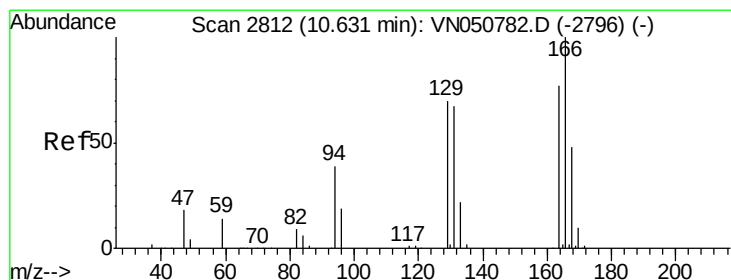
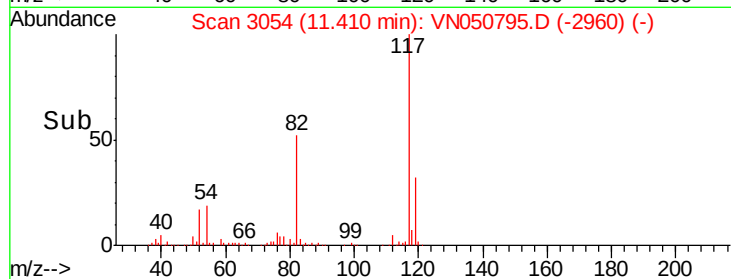
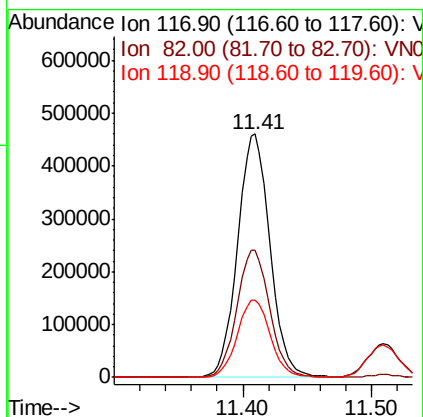
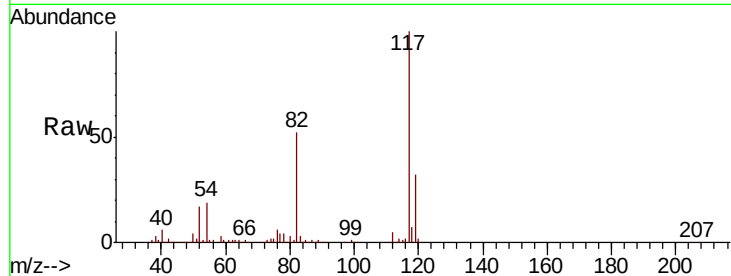
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.4  | 42.6  | 64.0  |
| 119     | 32.0  | 25.8  | 38.6  |

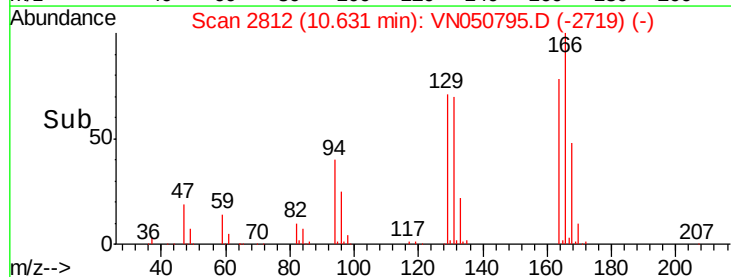
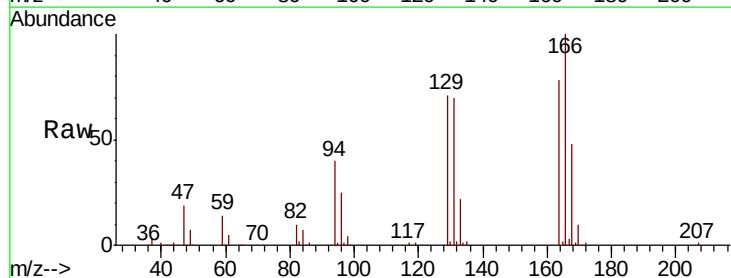
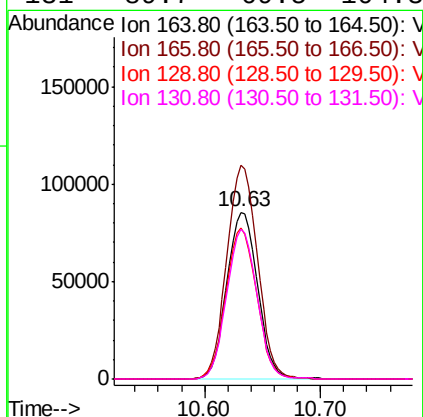
Manual Integrations  
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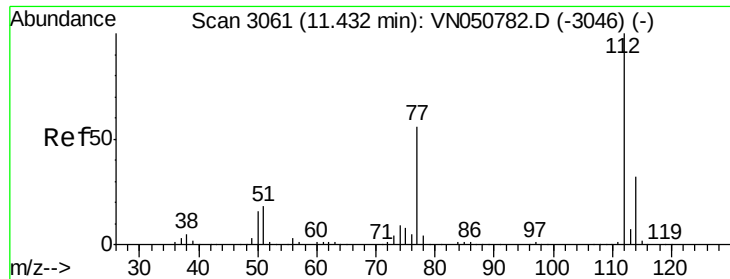
MMDadoda  
8/22/2018 11:19:21 AM



#64  
Tetrachloroethene  
Concen: 20.58 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.9 | 103.5 | 155.3 |
| 129     | 90.7  | 72.7  | 109.1 |
| 131     | 89.7  | 69.5  | 104.3 |





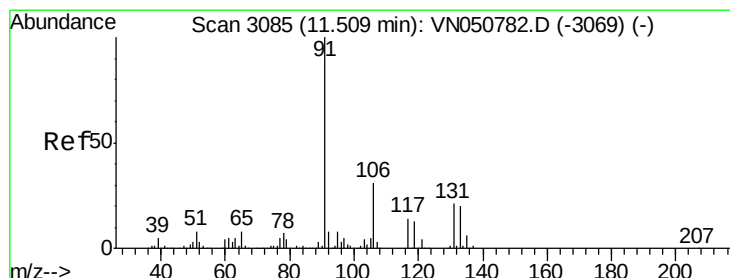
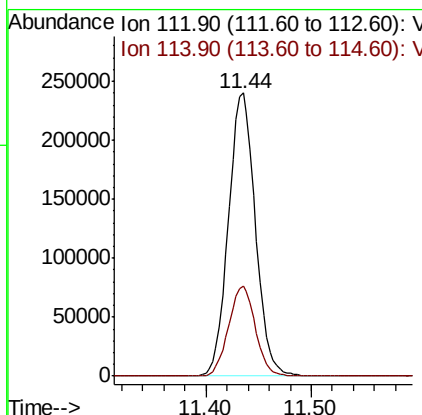
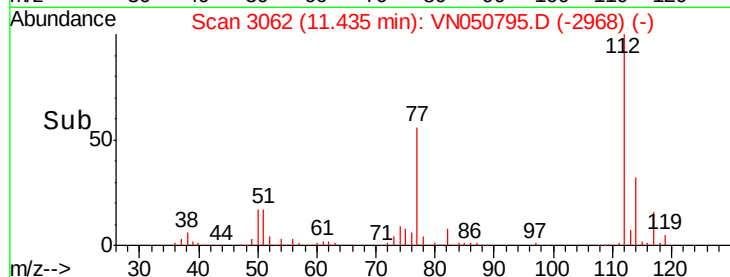
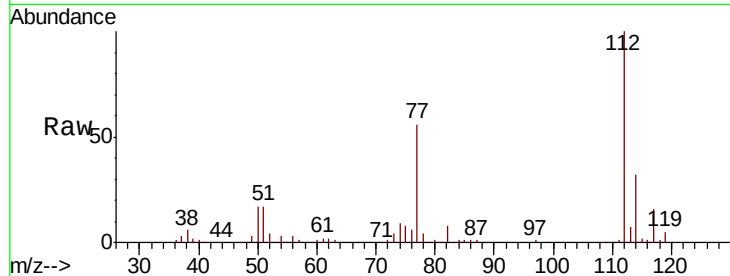
#65  
Chlorobenzene  
Concen: 20.13 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0821WBS02

Tot Ion:112 Resp: 423722  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.6 38.4

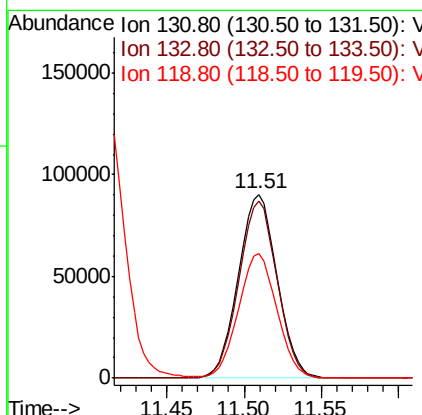
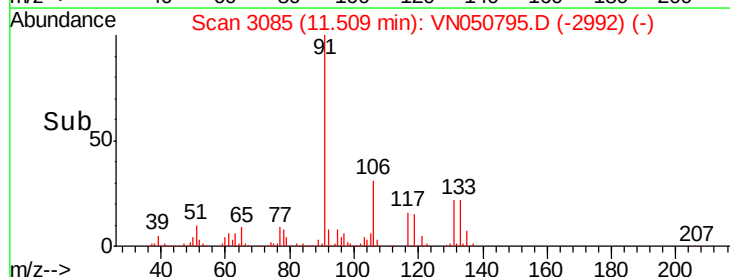
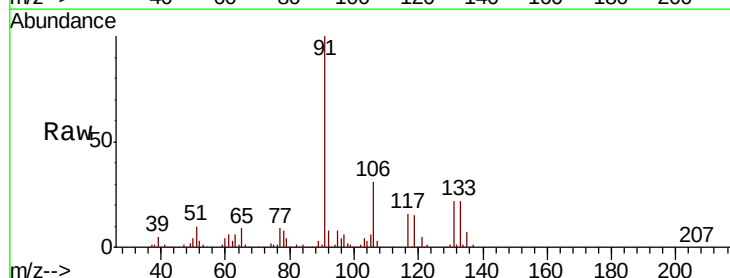
Manual Integrations  
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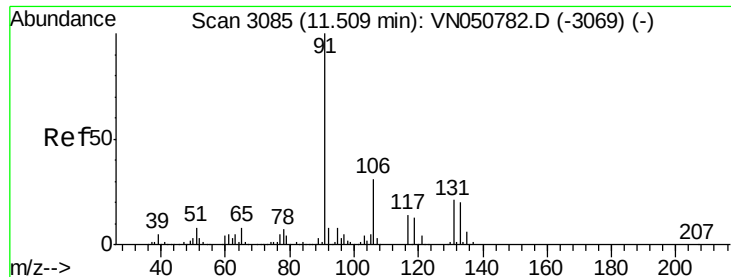
MMDadoda  
8/22/2018 11:19:21 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.43 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Tgt Ion:131 Resp: 157392  
Ion Ratio Lower Upper  
131 100  
133 95.2 47.4 142.3  
119 67.2 32.8 98.4





#67

Ethyl Benzene

Concen: 20.26 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion: 91 Resp: 693463

Ion Ratio Lower Upper

91 100

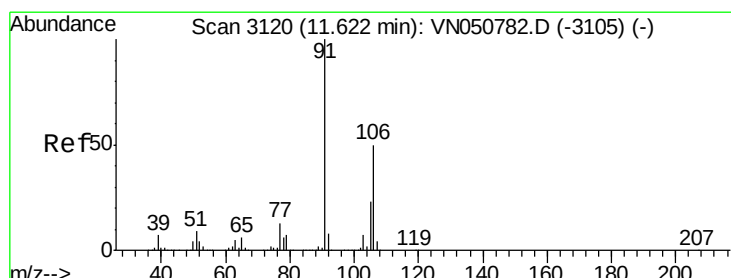
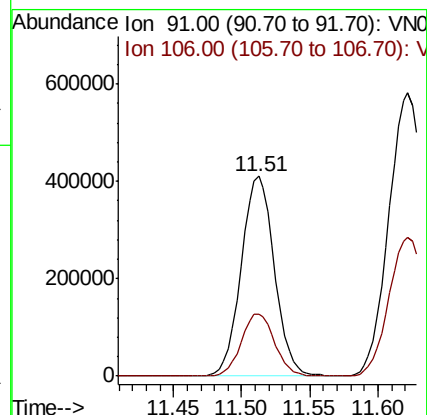
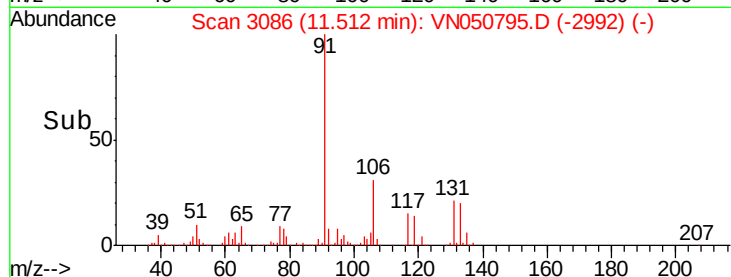
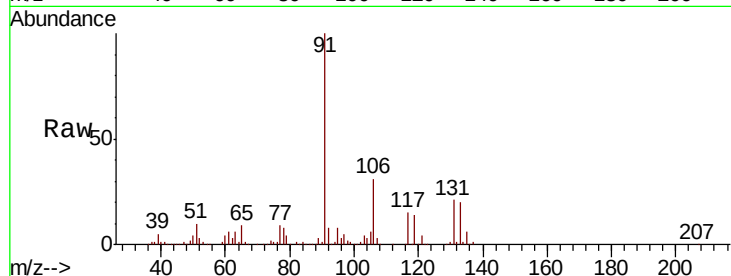
106 31.1 25.0 37.4

Manual Integrations

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8/22/2018 11:19:21 AM



#68

m/p-Xylenes

Concen: 42.38 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050795.D

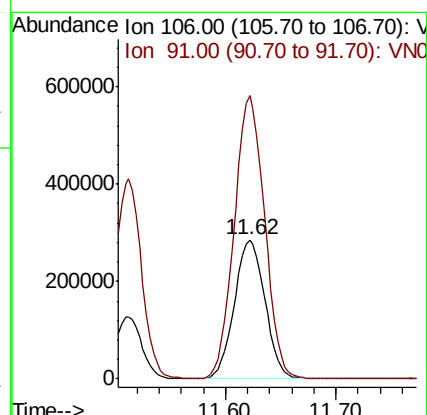
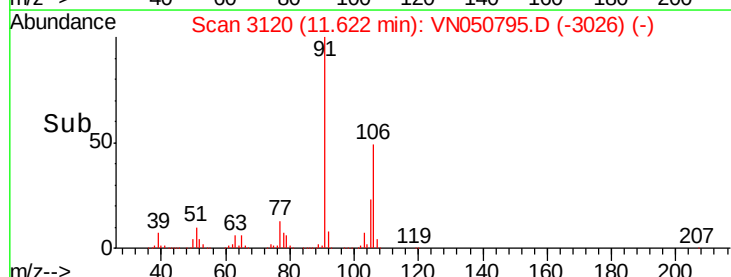
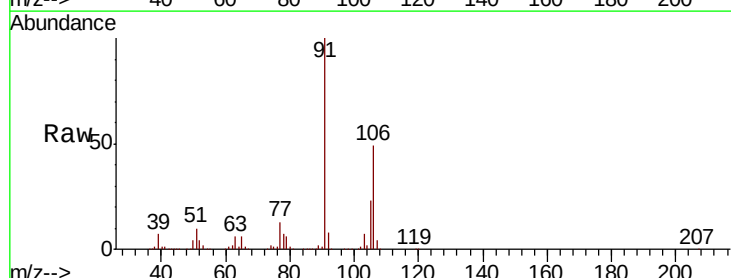
Acq: 21 Aug 2018 21:22

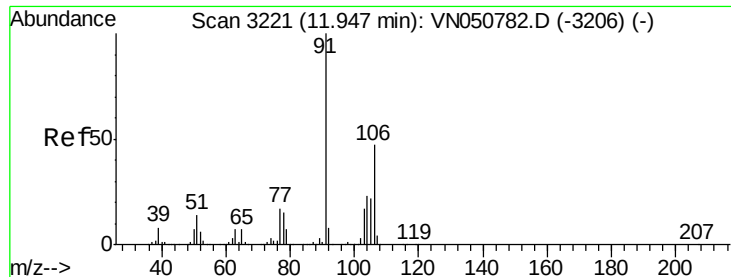
Tgt Ion: 106 Resp: 550620

Ion Ratio Lower Upper

106 100

91 201.7 161.0 241.6





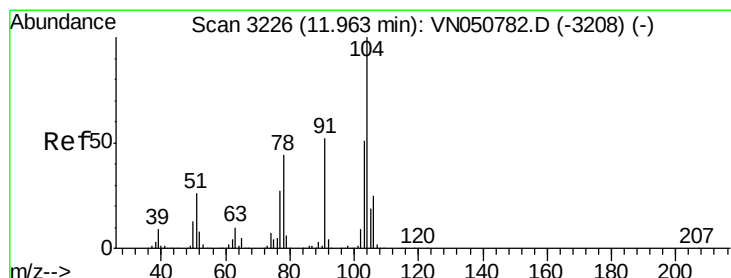
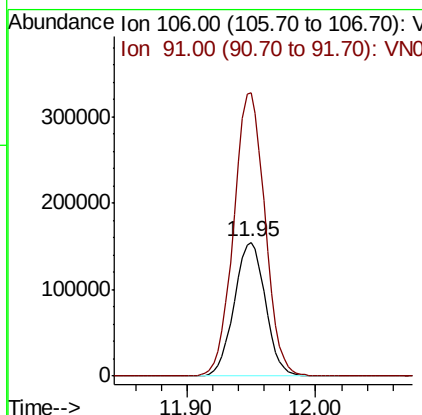
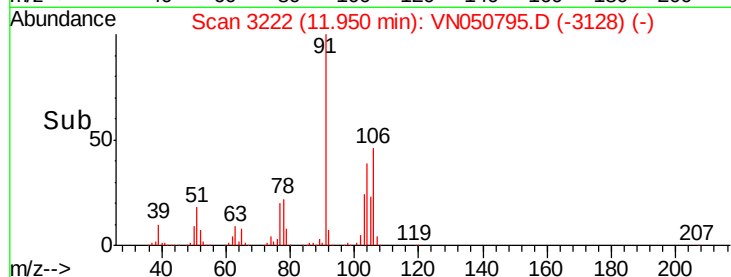
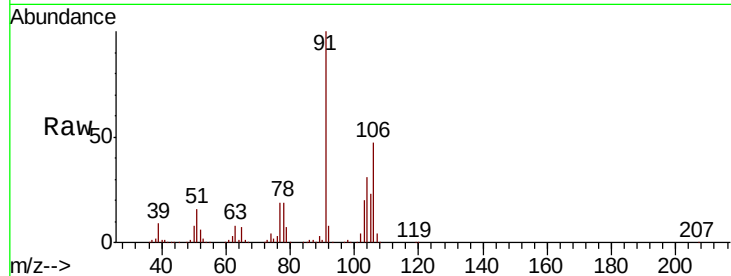
#69  
o-Xylene  
Concen: 20.76 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 213.0 | 106.5 | 319.5 |

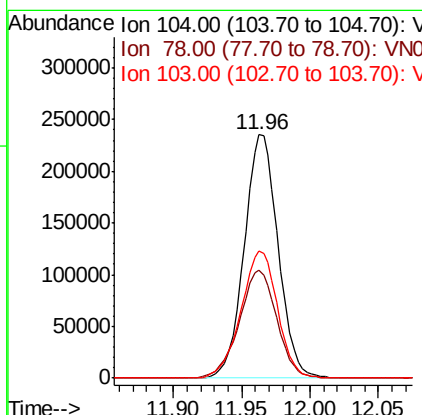
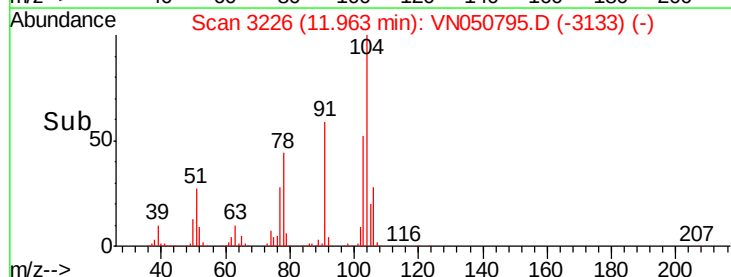
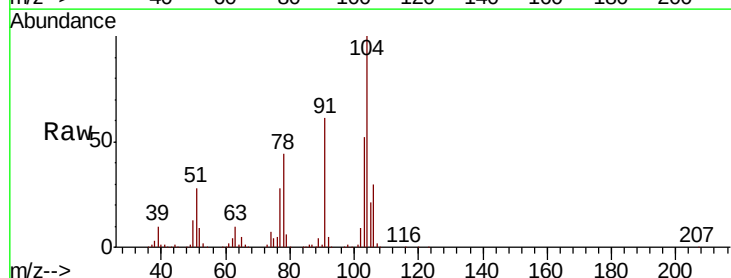
Manual Integrations  
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MMDadoda  
8/22/2018 11:19:21 AM

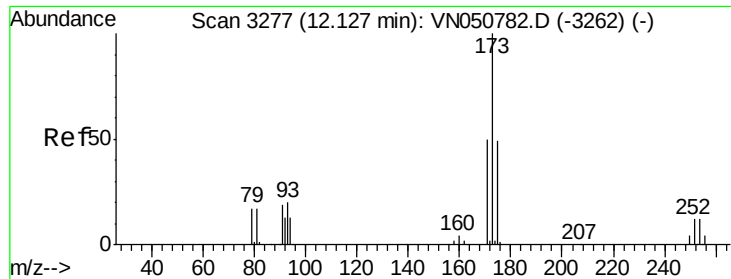


#70  
Styrene  
Concen: 19.22 ug/l  
RT: 11.96 min Scan# 3226  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.1  | 38.2  | 57.4  |
| 103     | 56.5  | 44.4  | 66.6  |







#71

Bromoform

Concen: 19.95 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

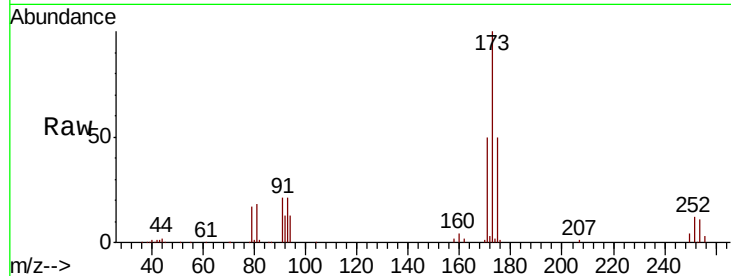
ClientSampleId :

VN0821WBS02

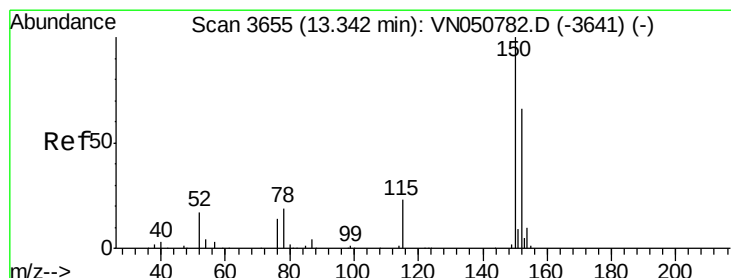
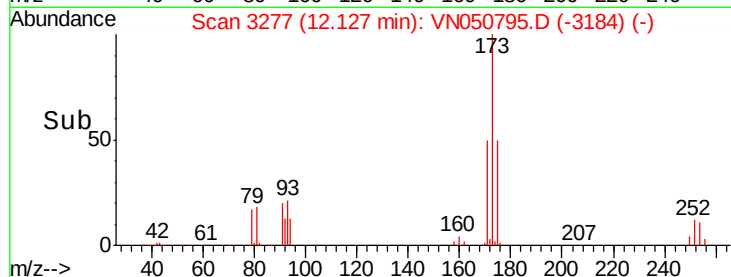
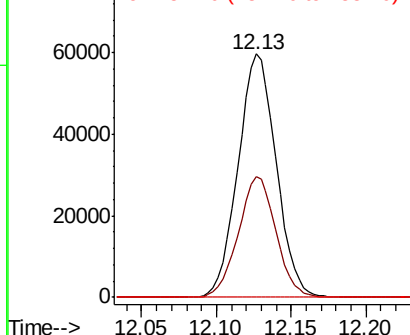
|             |       |        |
|-------------|-------|--------|
| Tot Ion:173 | Resp: | 105669 |
| Ion Ratio   | Lower | Upper  |
| 173 100     |       |        |
| 175 48.8    | 24.4  | 73.4   |
| 254 0.0     | 0.1   | 0.1#   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

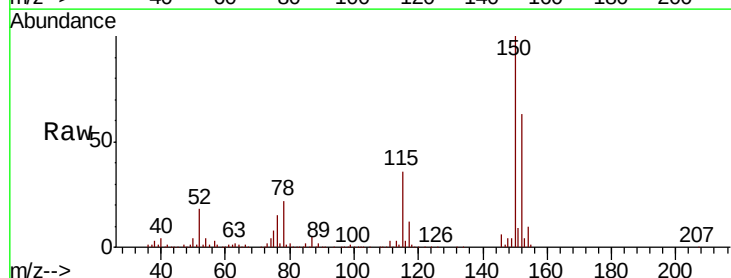
RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

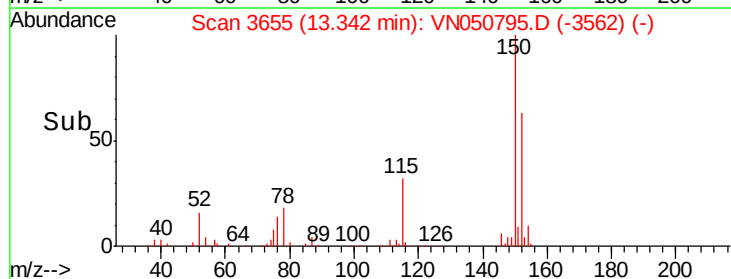
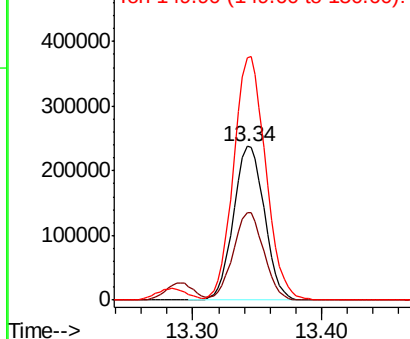
Lab File: VN050795.D

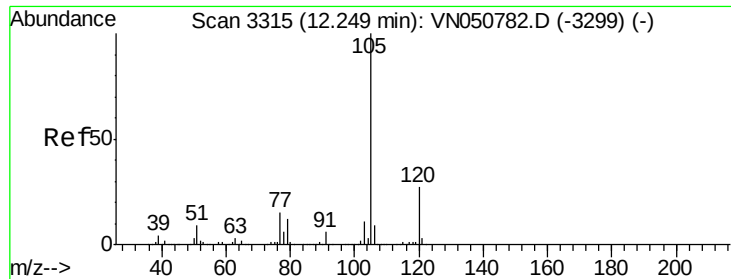
Acq: 21 Aug 2018 21:22

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:152 | Resp: | 396498 |
| Ion Ratio   | Lower | Upper  |
| 152 100     |       |        |
| 115 56.0    | 27.8  | 83.4   |
| 150 164.3   | 0.0   | 351.4  |



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





#73

Isopropylbenzene

Concen: 20.79 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion:105 Resp: 682440

Ion Ratio Lower Upper

105 100

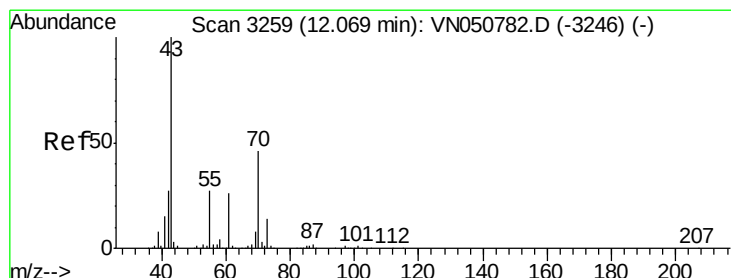
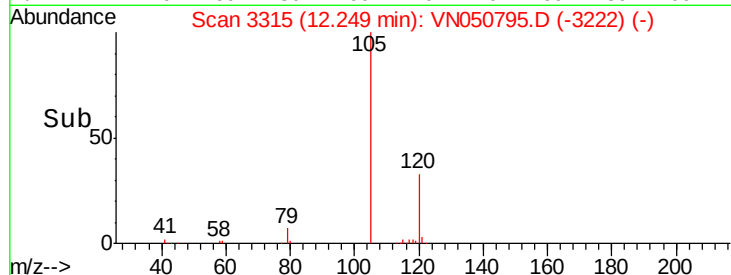
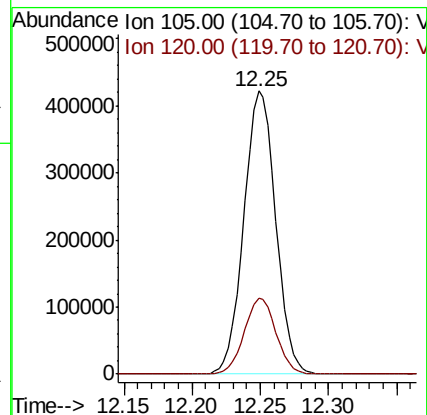
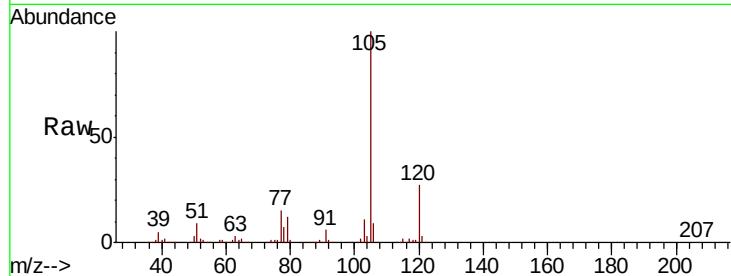
120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.27 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Tgt Ion: 43 Resp: 158995

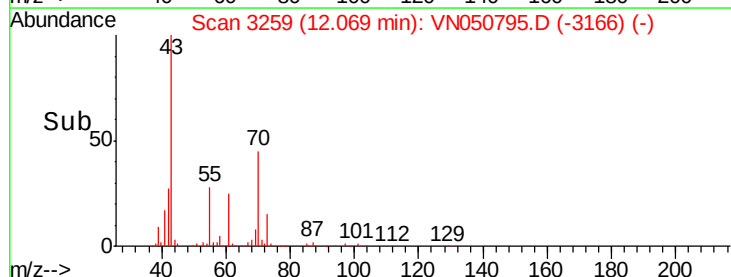
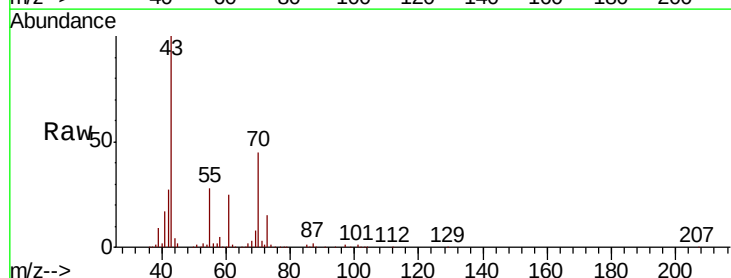
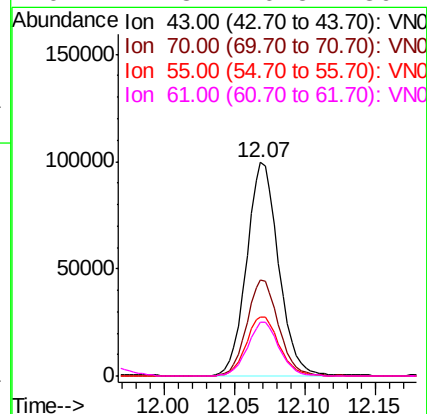
Ion Ratio Lower Upper

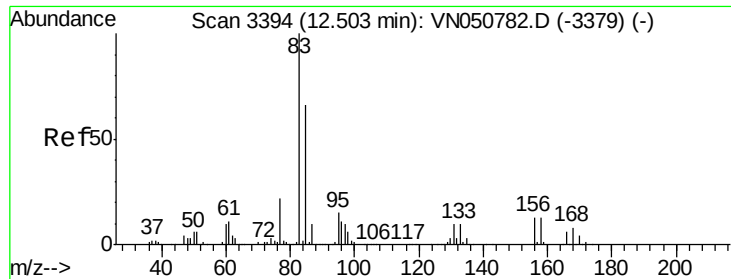
43 100

70 44.4 36.2 54.2

55 28.4 21.8 32.8

61 24.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.14 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

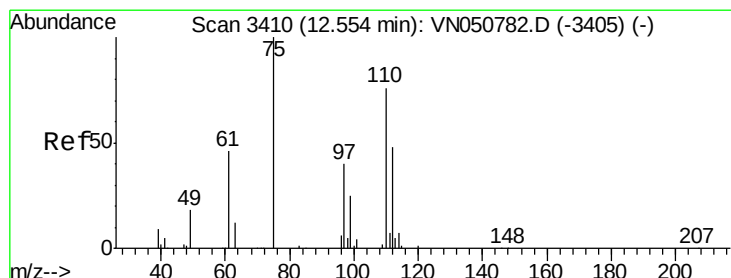
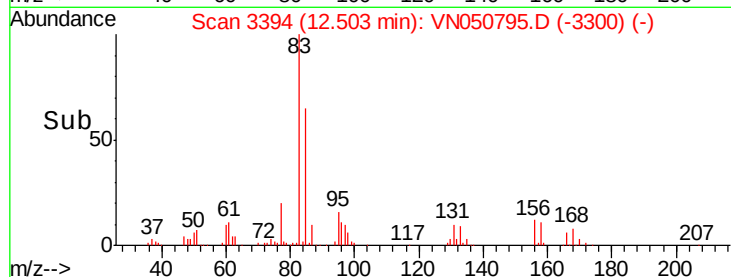
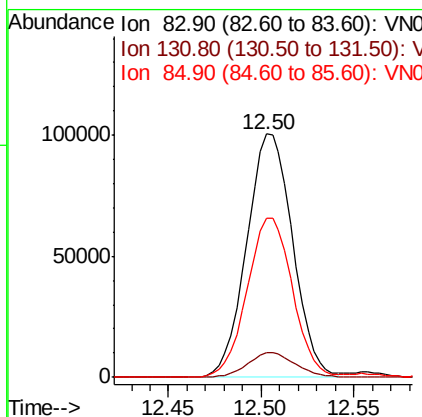
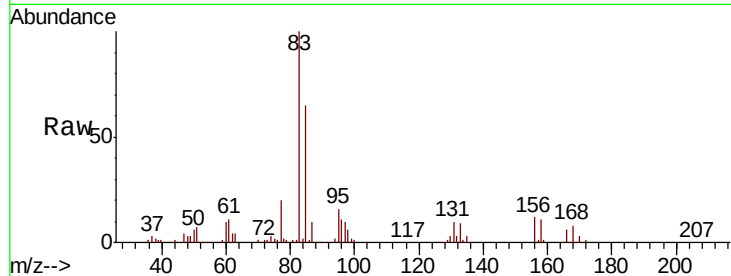
ClientSampled :

VN0821WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 172841 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 5.3   | 15.9   |
| 85        | 64.9  | 31.9  | 95.7   |

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#76

1,2,3-Trichloropropane

Concen: 18.27 ug/l m

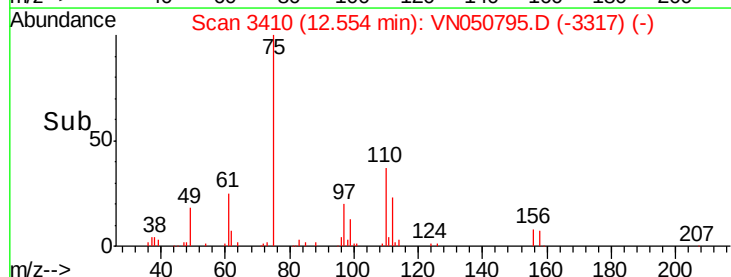
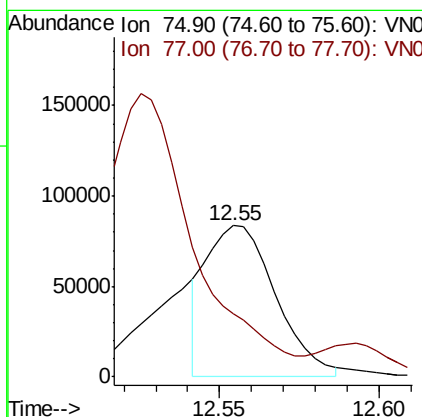
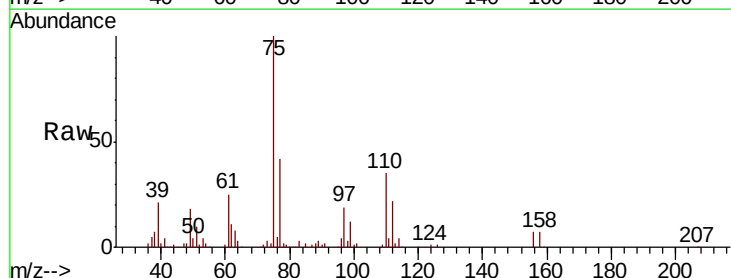
RT: 12.55 min Scan# 3410

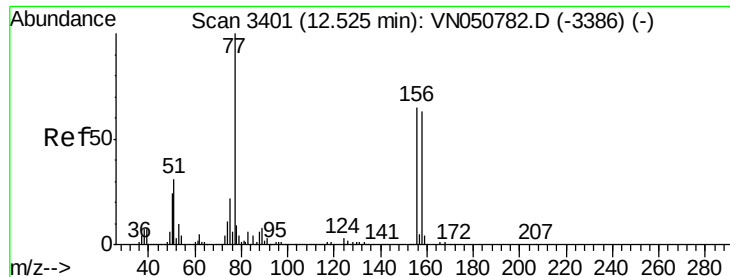
Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 126886 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 19.92 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0821WBS02

Tot Ion:156 Resp: 177758

Ion Ratio Lower Upper

156 100

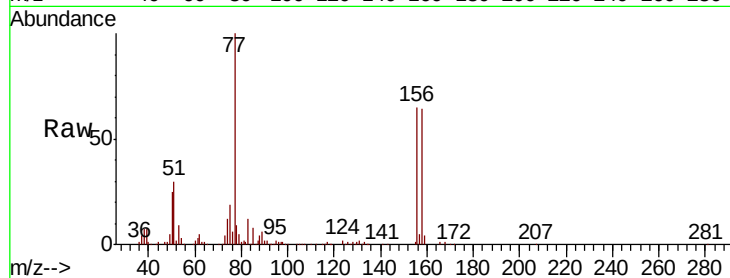
77 177.4 89.9 269.7

158 97.2 49.3 147.9

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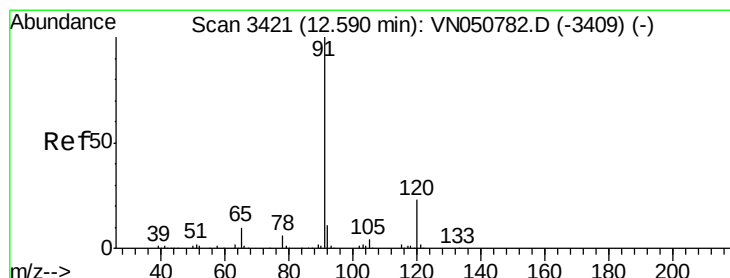
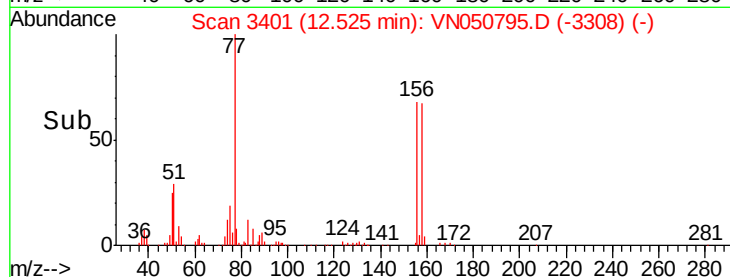
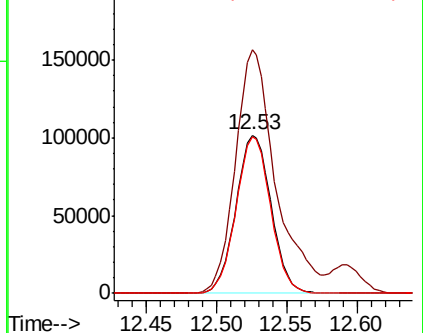
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.97 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050795.D

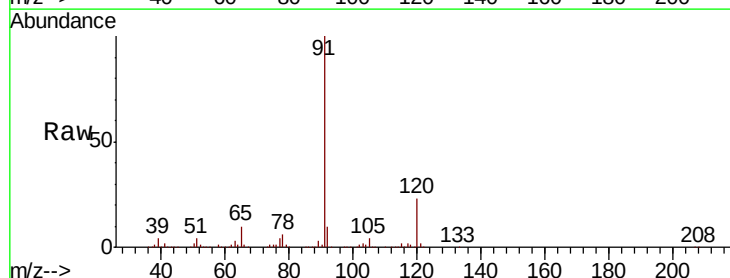
Acq: 21 Aug 2018 21:22

Tgt Ion: 91 Resp: 769270

Ion Ratio Lower Upper

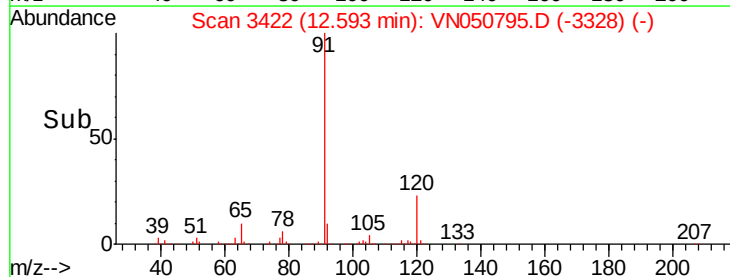
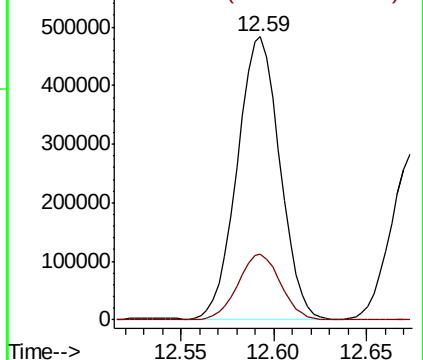
91 100

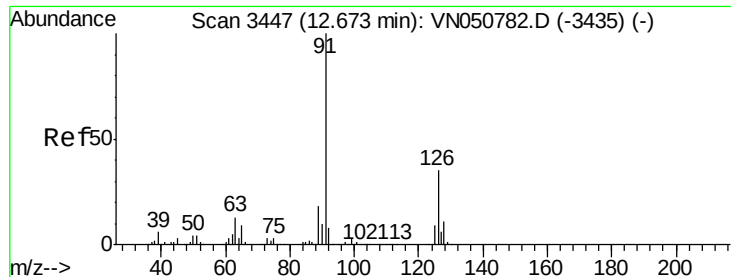
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.73 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampled :

VN0821WBS02

Tot Ion: 91 Resp: 473505

Ion Ratio Lower Upper

91 100

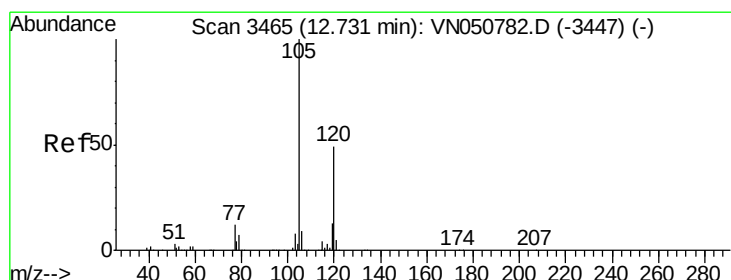
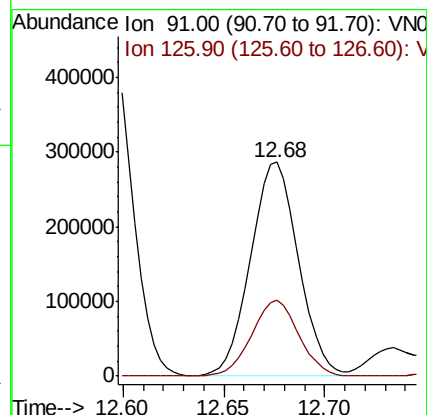
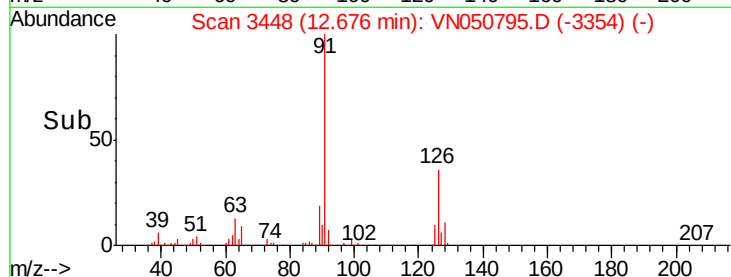
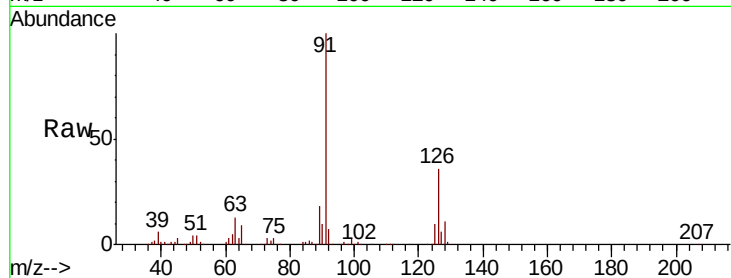
126 35.1 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.30 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050795.D

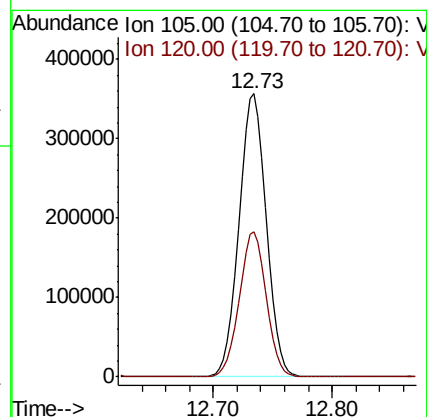
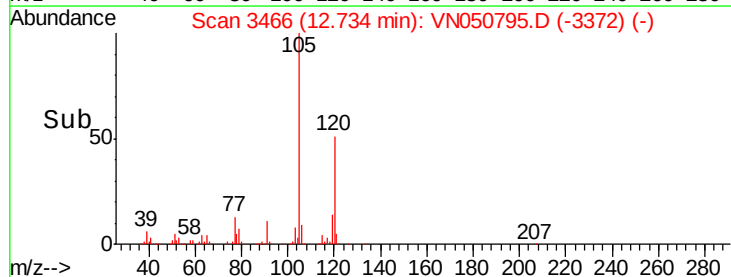
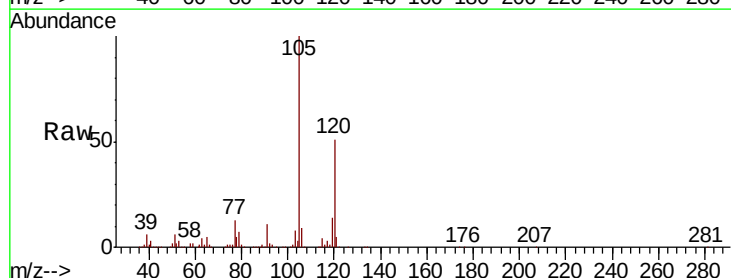
Acq: 21 Aug 2018 21:22

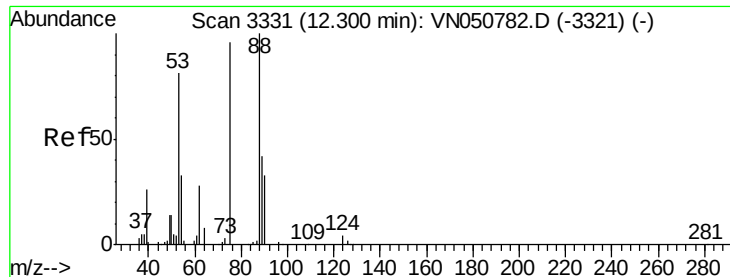
Tgt Ion: 105 Resp: 564157

Ion Ratio Lower Upper

105 100

120 50.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.77 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampled :

VN0821WBS02

Tot Ion: 75 Resp: 36496

Ion Ratio Lower Upper

75 100

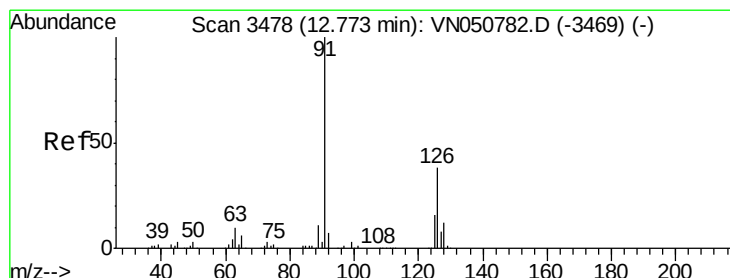
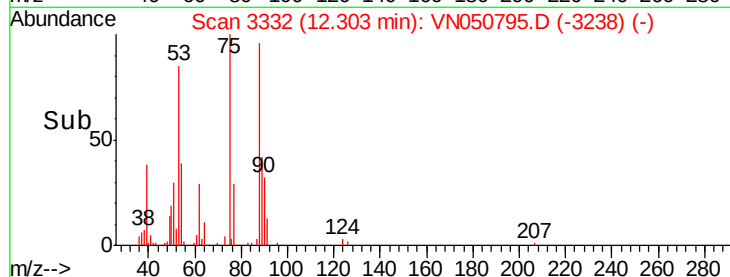
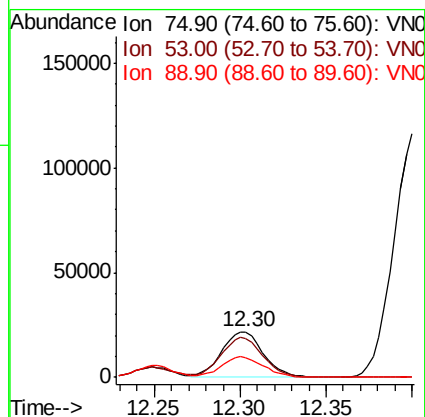
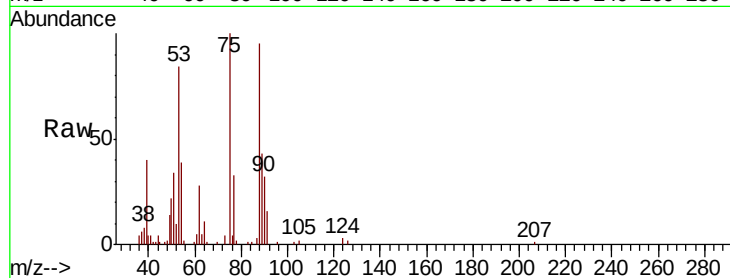
53 89.6 68.9 103.3

89 45.6 36.1 54.1

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#82

4-Chlorotoluene

Concen: 20.83 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050795.D

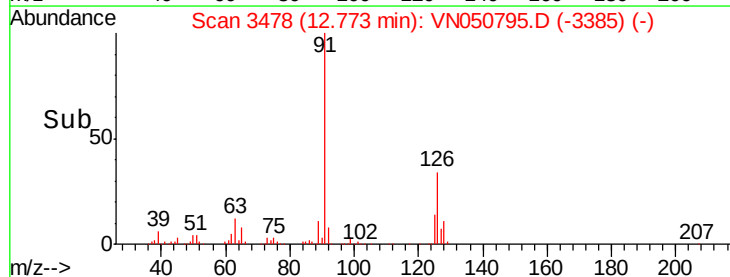
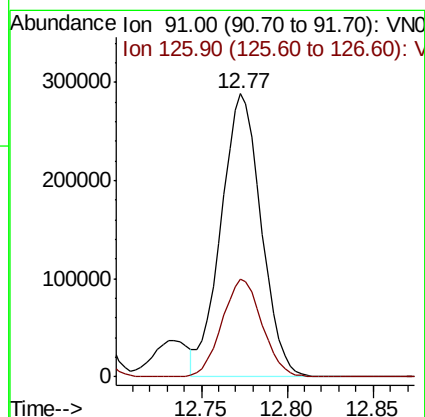
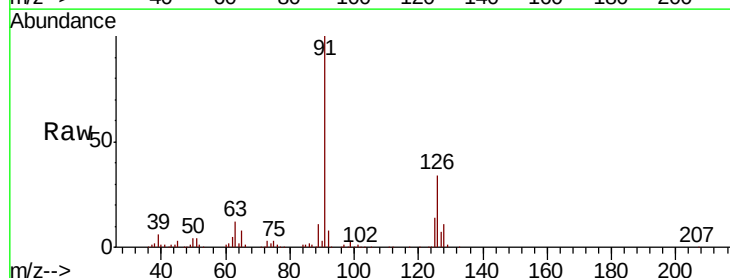
Acq: 21 Aug 2018 21:22

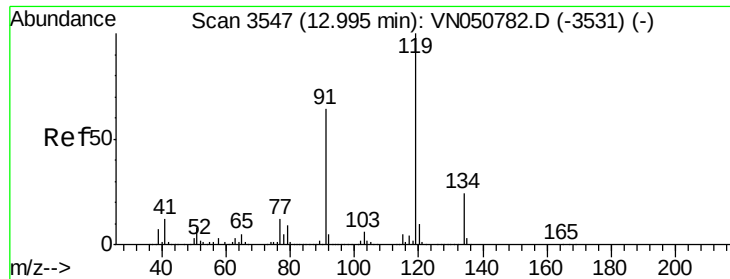
Tgt Ion: 91 Resp: 469884

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.5





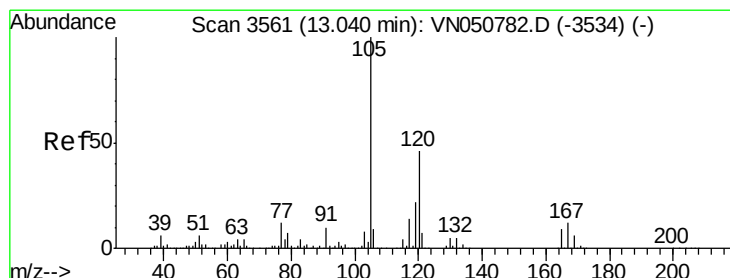
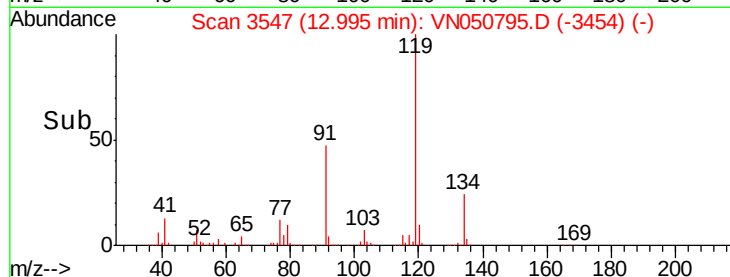
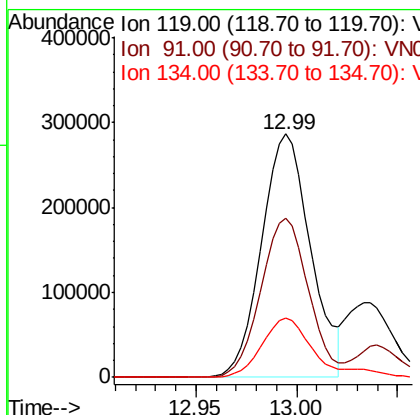
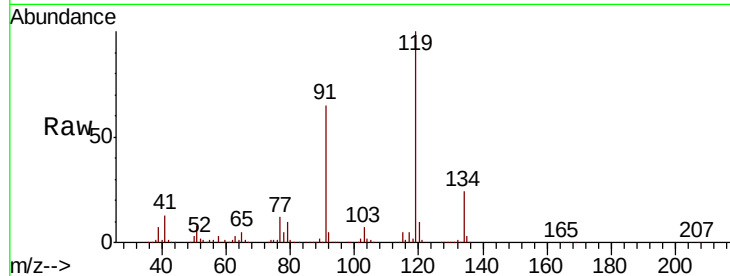
#83  
 tert-Butylbenzene  
 Concen: 21.16 ug/l  
 RT: 12.99 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 485450 |       |       |
| 91      | 63.1  |        | 31.6  | 94.7  |
| 134     | 26.2  |        | 13.4  | 40.1  |

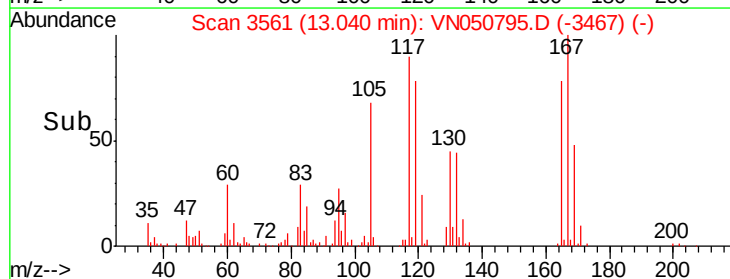
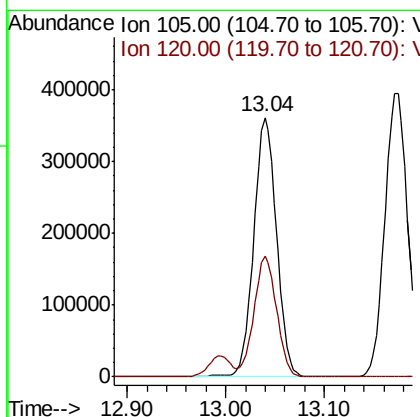
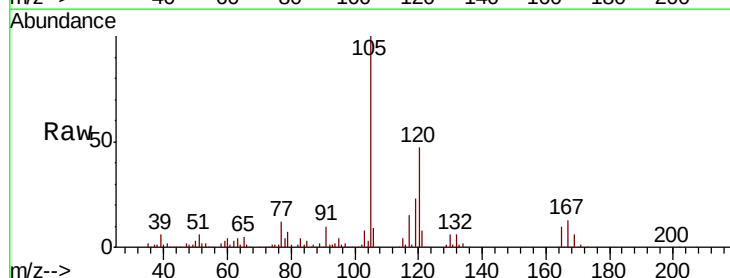
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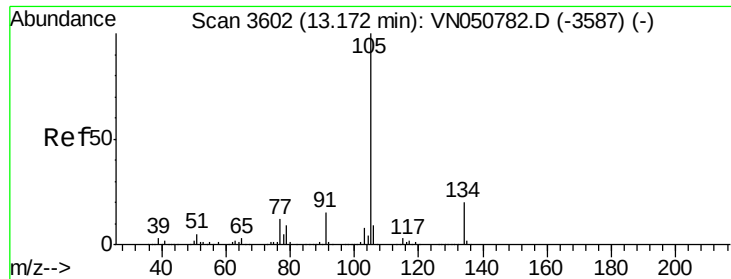
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.54 ug/l  
 RT: 13.04 min Scan# 3561  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 573968 |       |       |
| 120     | 46.2  |        | 22.9  | 68.8  |





#85

sec-Butylbenzene

Concen: 21.00 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

ClientSampled :

VN0821WBS02

Tot Ion:105 Resp: 631476

Ion Ratio Lower Upper

105 100

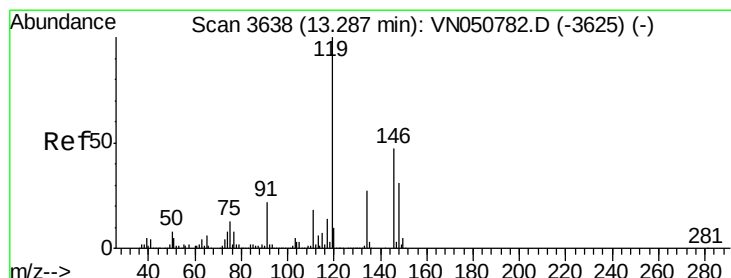
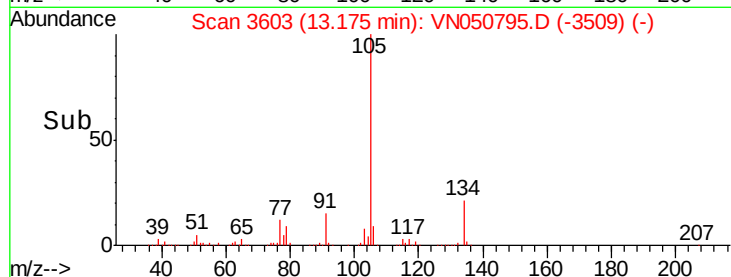
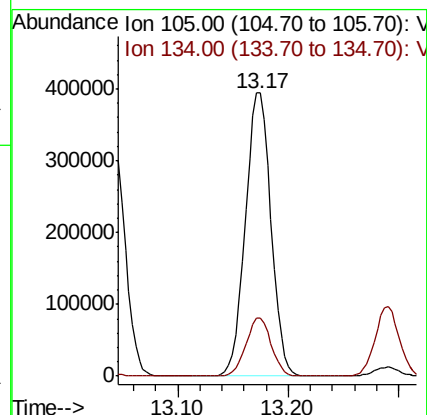
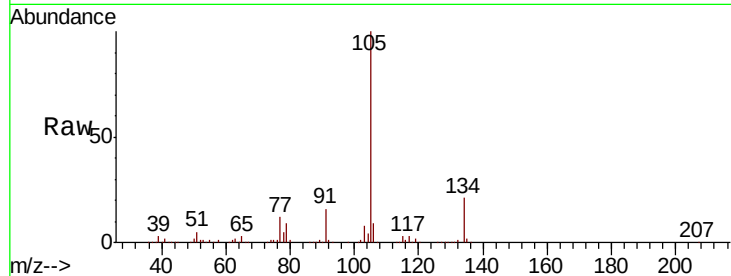
134 20.3 10.3 30.8

Manual Integrations

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8/22/2018 11:19:21 AM



#86

p-Isopropyltoluene

Concen: 21.02 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

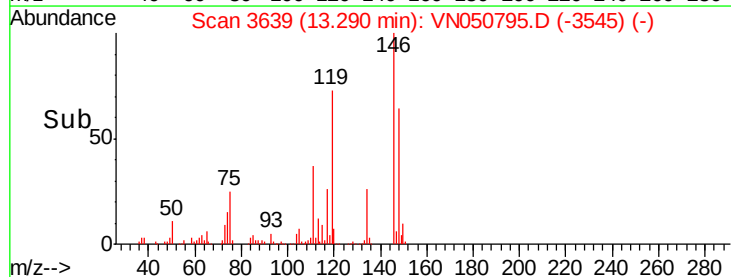
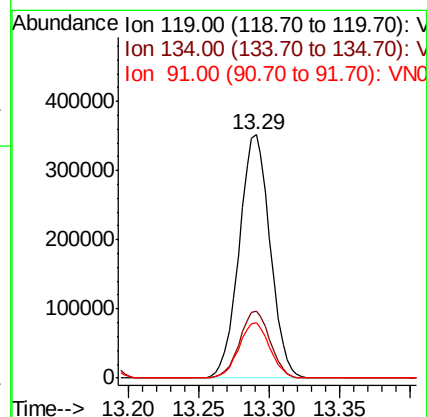
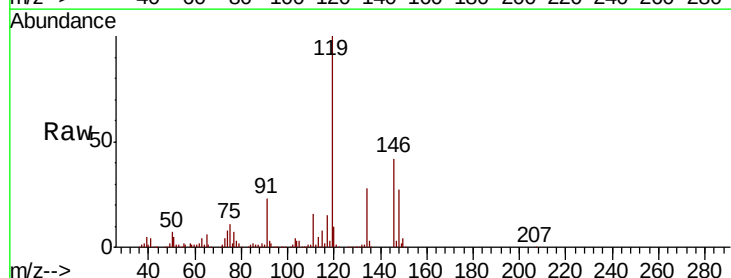
Tgt Ion:119 Resp: 538500

Ion Ratio Lower Upper

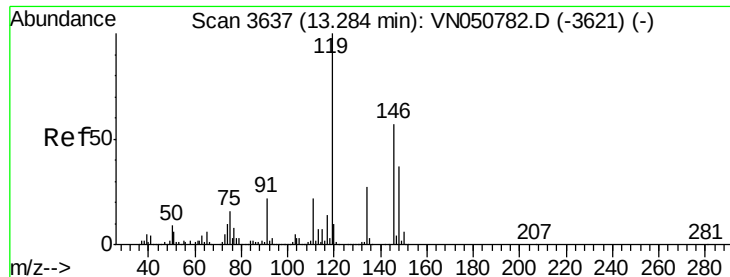
119 100

134 27.5 13.7 41.0

91 22.6 11.2 33.5







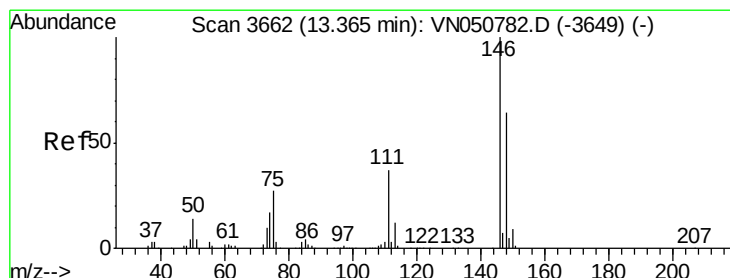
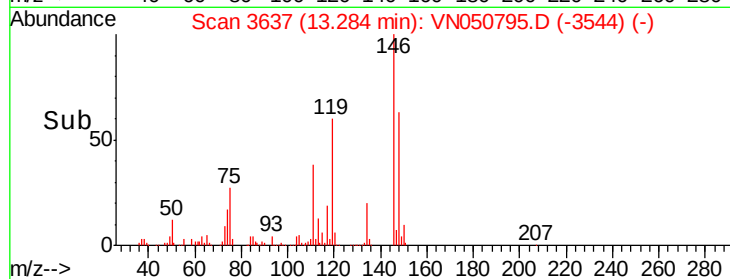
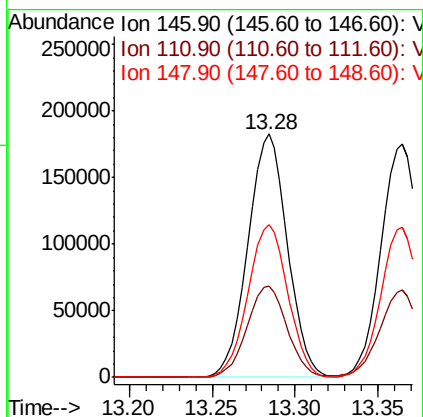
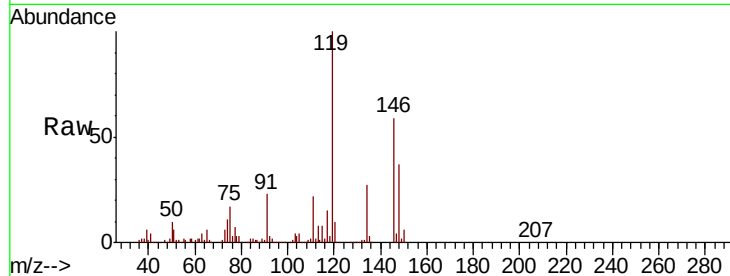
#87  
 1,3-Dichlorobenzene  
 Concen: 19.90 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0821WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 301309 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.1  | 19.1  | 57.3   |
| 148       | 63.5  | 32.2  | 96.6   |

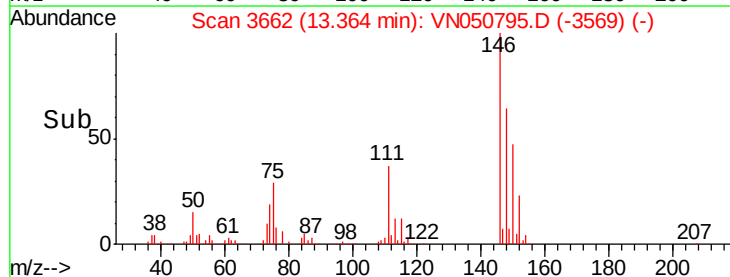
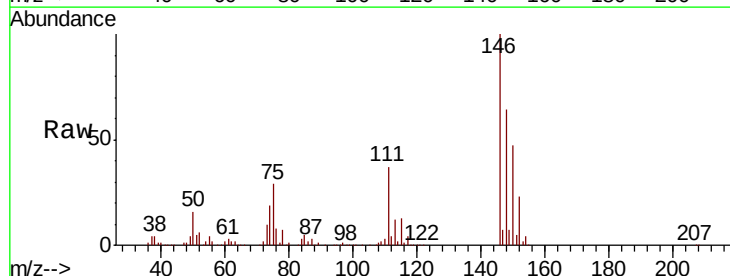
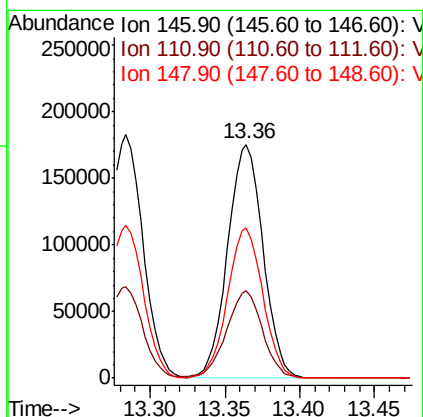
Manual Integrations  
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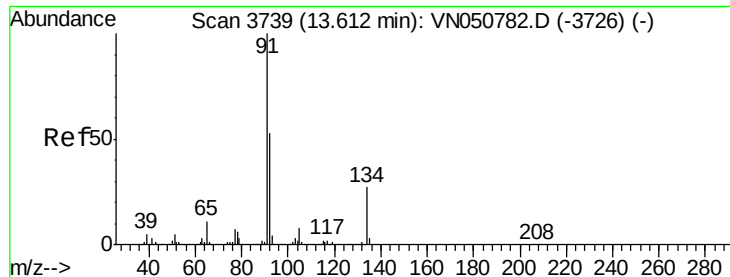
MMDadoda  
 8/22/2018 11:19:21 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.38 ug/l  
 RT: 13.36 min Scan# 3662  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 288756 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.2  | 18.8  | 56.3   |
| 148       | 64.2  | 32.2  | 96.6   |





#89

n-Butylbenzene

Concen: 19.23 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA\_N

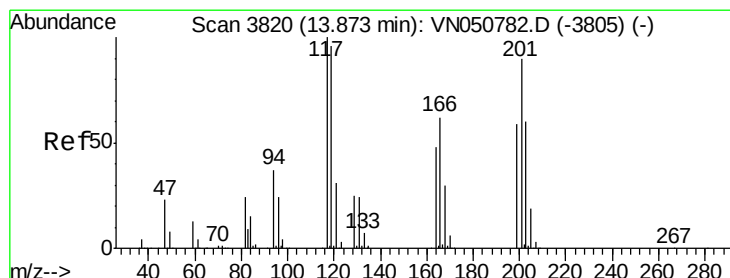
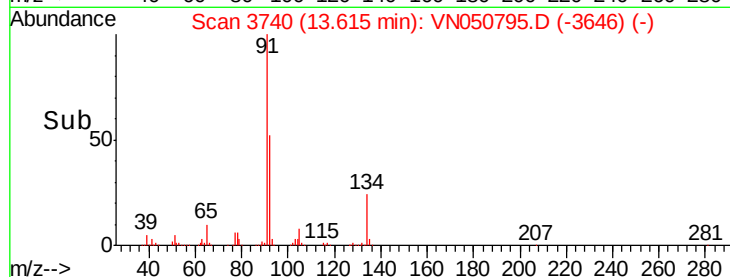
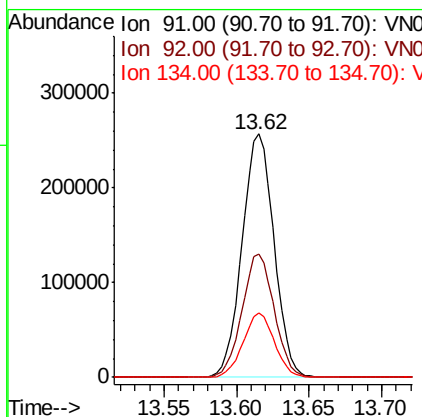
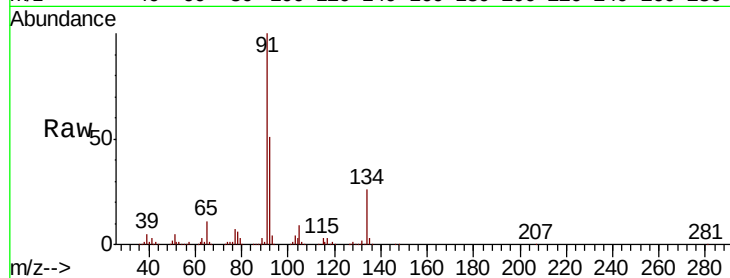
ClientSampled :

VN0821WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 394024 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 50.9  | 26.1  | 78.2   |
| 134       | 25.9  | 13.2  | 39.6   |

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#90

Hexachloroethane

Concen: 20.61 ug/l

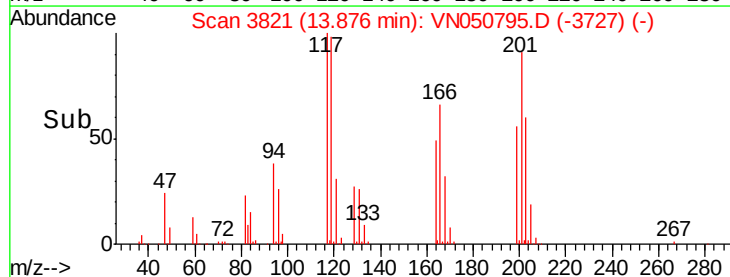
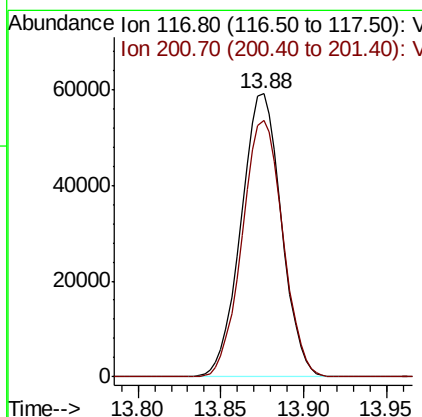
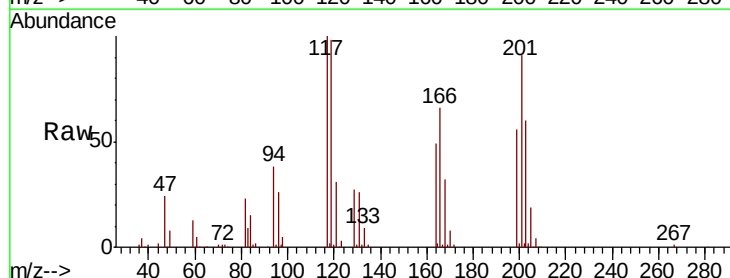
RT: 13.88 min Scan# 3821

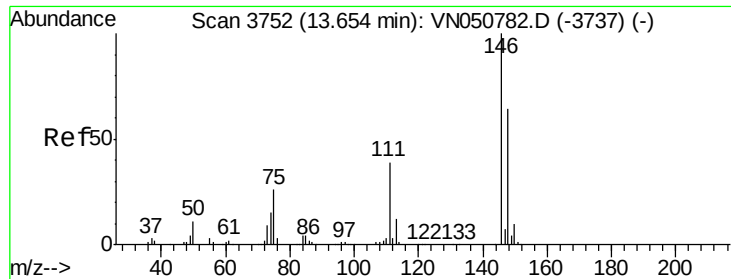
Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 100069 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 201       | 91.1  | 46.0  | 137.8  |





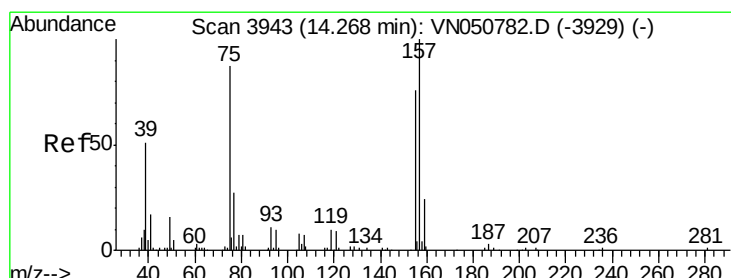
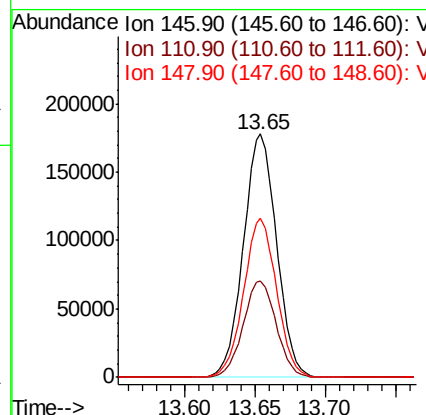
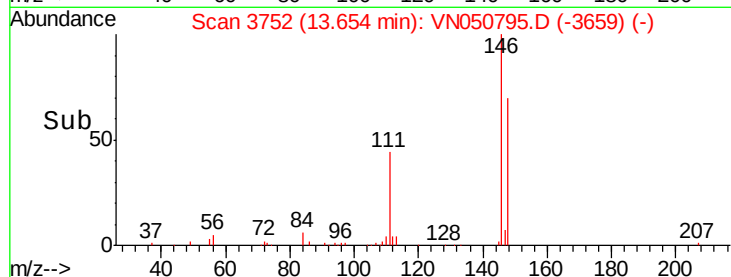
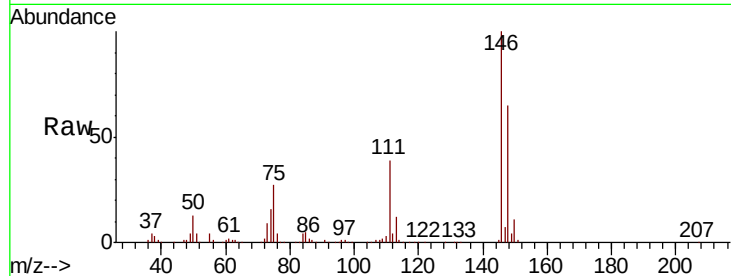
#91  
 1,2-Dichlorobenzene  
 Concen: 20.09 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. -0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.8  | 59.3  |
| 148     | 64.7  | 32.3  | 96.8  |

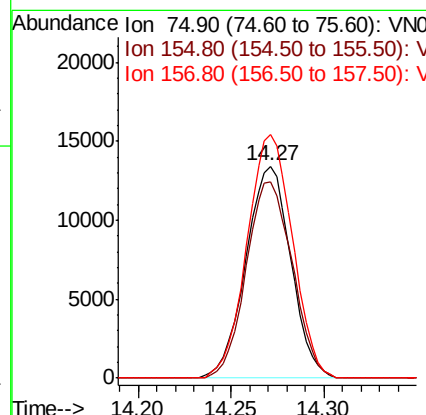
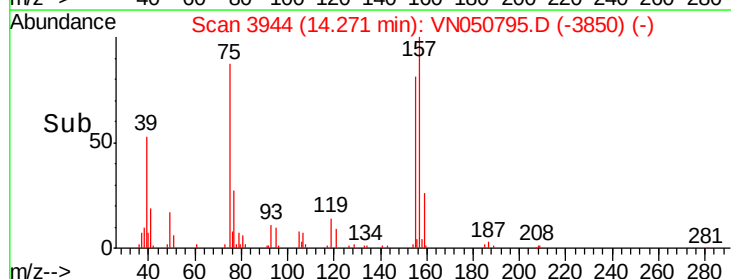
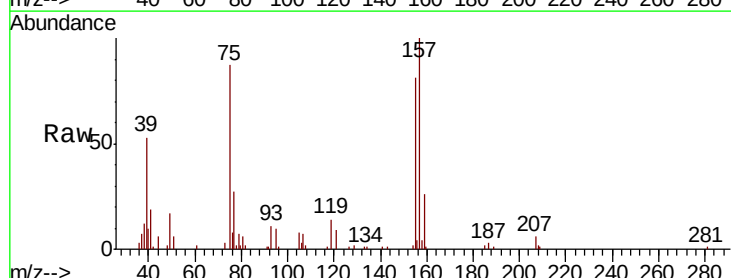
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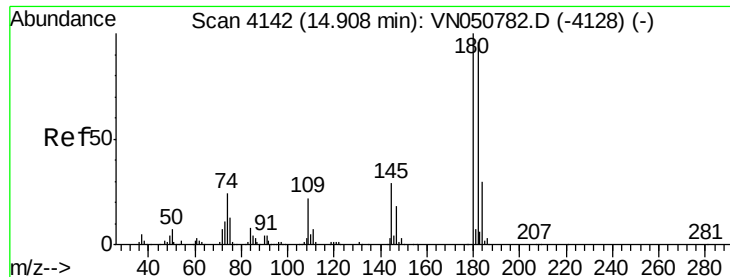
MMDadoda  
 8/22/2018 11:19:21 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.21 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.6  | 46.4  | 139.1 |
| 157     | 115.7 | 60.7  | 182.0 |





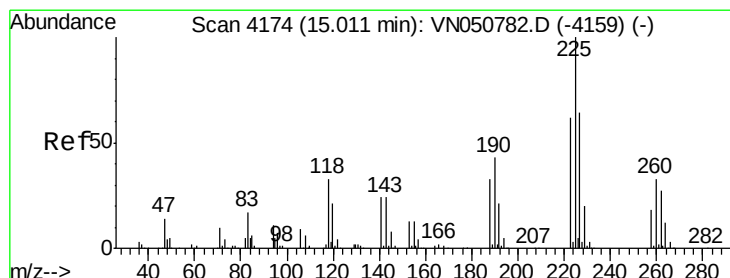
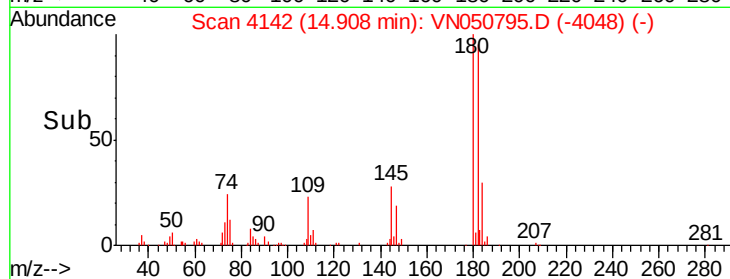
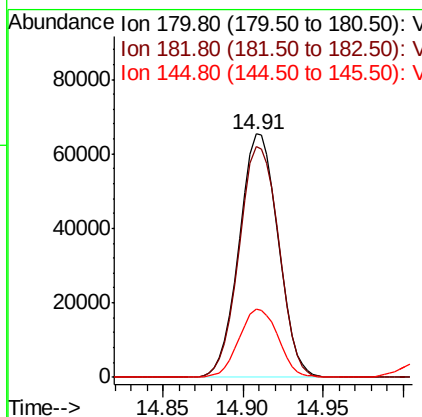
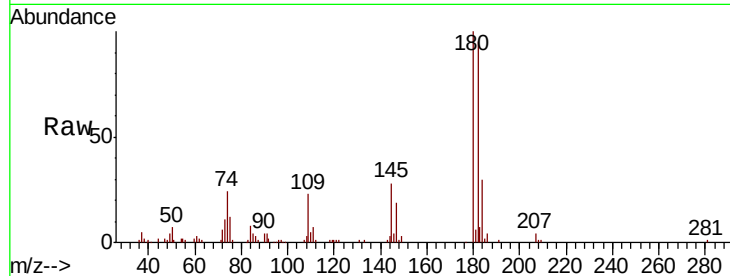
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.21 ug/l  
 RT: 14.91 min Scan# 4142  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0821WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 108633 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.3  | 48.2  | 144.6  |
| 145       | 28.0  | 14.1  | 42.2   |

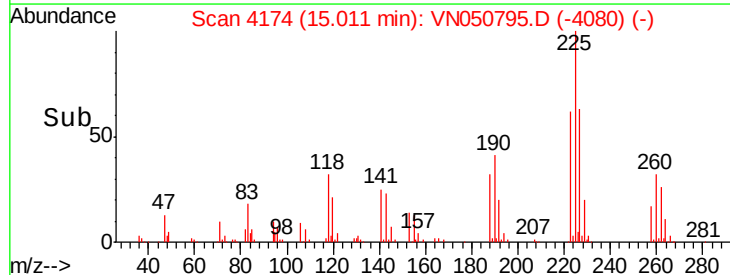
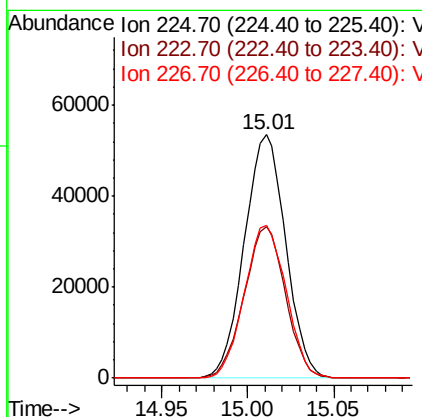
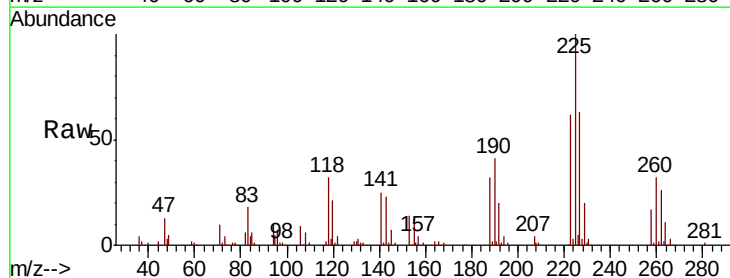
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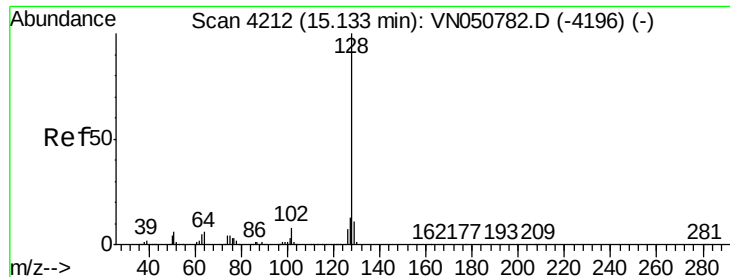
MMDadoda  
 8/22/2018 11:19:21 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.91 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. 0.00 min  
 Lab File: VN050795.D  
 Acq: 21 Aug 2018 21:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 89130 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.2  | 31.3  | 93.8  |
| 227       | 63.1  | 32.0  | 96.2  |





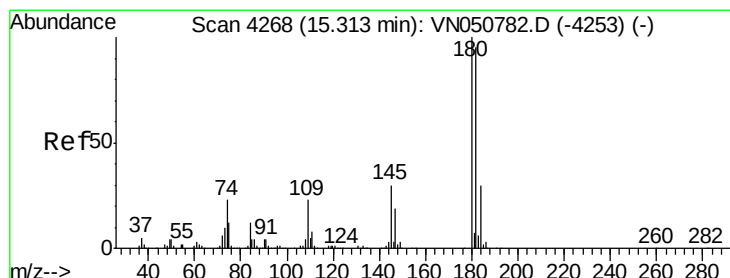
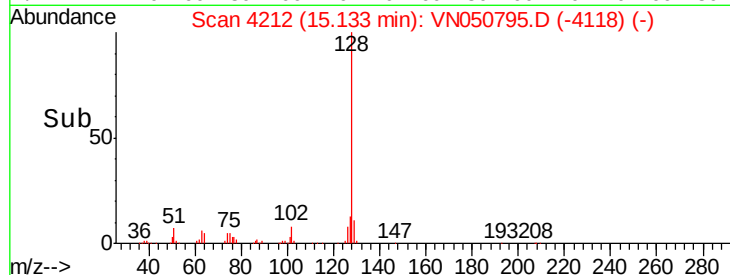
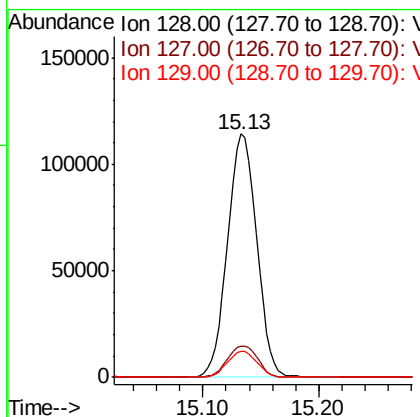
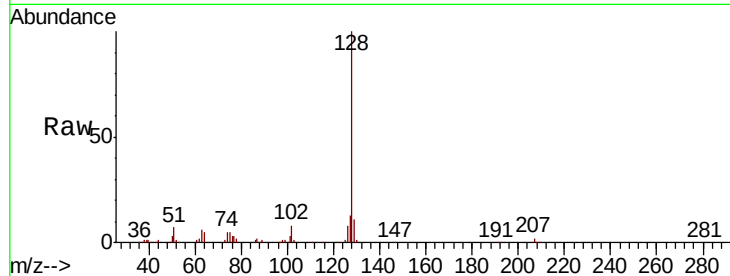
#95  
Naphthalene  
Concen: 16.62 ug/l  
RT: 15.13 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0821WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.6  | 10.5  | 15.7  |
| 129     | 10.9  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 17.86 ug/l  
RT: 15.31 min Scan# 4268  
Delta R.T. 0.00 min  
Lab File: VN050795.D  
Acq: 21 Aug 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 48.0  | 144.2 |
| 145     | 30.3  | 15.2  | 45.6  |

