

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022421\  
 Data File : VN066009.D  
 Acq On : 24 Feb 2021 17:16  
 Operator : JC/MD  
 Sample : M1474-06  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 25 02:15:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

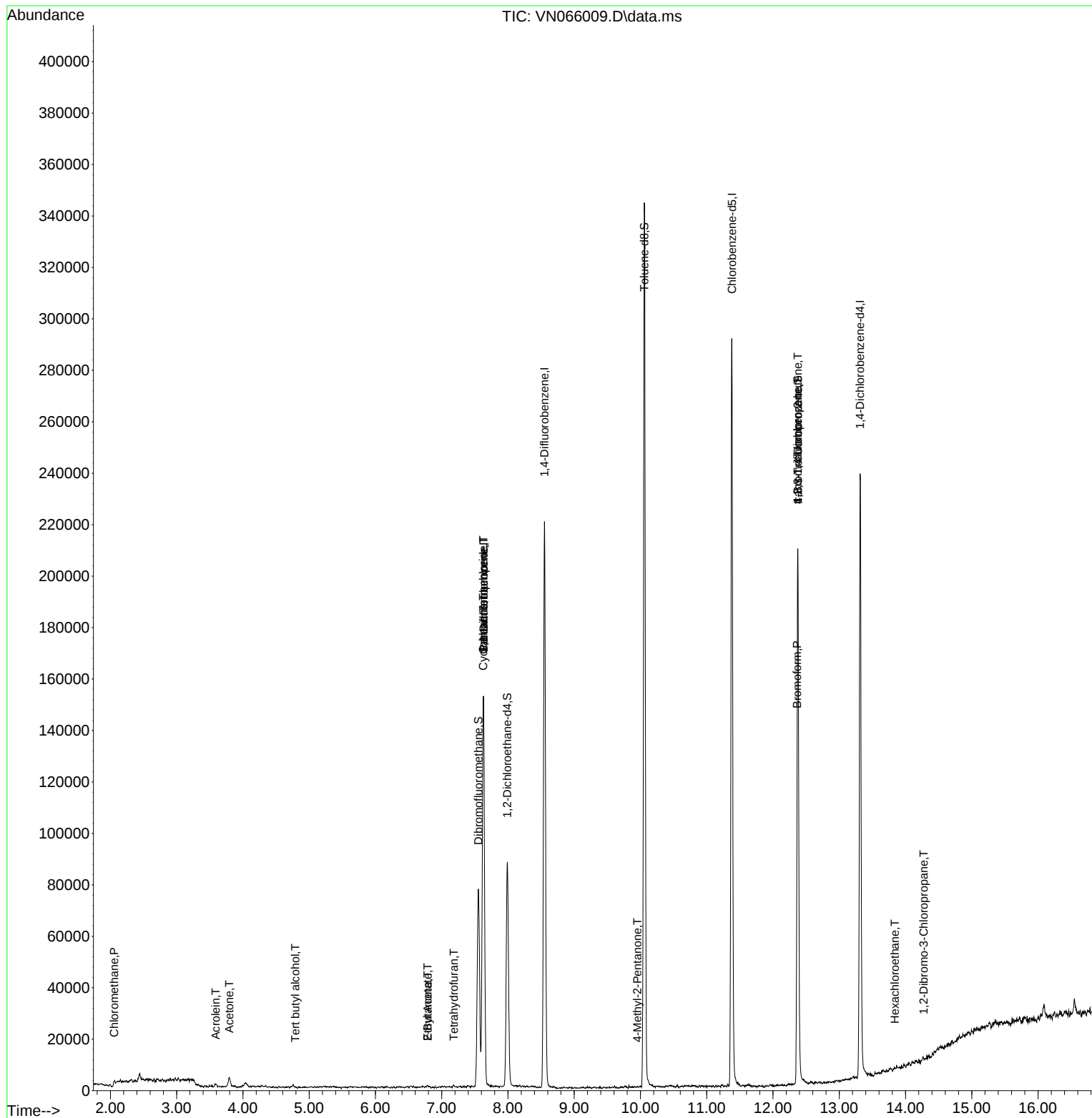
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 7.631          | 168  | 124399     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 201772     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.380         | 117  | 178271     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 68255      | 50.00  | ug/l   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.991          | 65   | 82779      | 47.58  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 95.16% |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 60368      | 48.34  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 96.68% |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 244323     | 47.66  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 95.32% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 84034      | 43.67  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 87.34% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        | Qvalue |          |
| 3) Chloromethane              | 2.055          | 50   | 849        | 0.42   | ug/l # | 72       |
| 11) Tert butyl alcohol        | 4.791          | 59   | 63         | 0.26   | ug/l # | 73       |
| 13) Acrolein                  | 3.589          | 56   | 1383       | 6.25   | ug/l   | 98       |
| 16) Acetone                   | 3.795          | 43   | 6225       | 9.85   | ug/l   | 99       |
| 25) 2-Butanone                | 6.788          | 43   | 405        | 0.47   | ug/l # | 68       |
| 29) Tetrahydrofuran           | 7.184          | 42   | 302        | 0.51   | ug/l # | 32       |
| 31) Cyclohexane               | 7.624          | 56   | 2362       | 0.91   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.631          | 75   | 9379       | 4.71   | ug/l # | 49       |
| 37) Ethyl Acetate             | 6.788          | 43   | 405        | 0.23   | ug/l # | 68       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 12671      | 6.85   | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 9.952          | 43   | 435        | 0.25   | ug/l # | 35       |
| 71) Bromoform                 | 12.363         | 173  | 109        | 2.61   | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 43163      | 26.32  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 43163      | 83.89  | ug/l # | 12       |
| 90) Hexachloroethane          | 13.839         | 117  | 176        | 0.23   | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273         | 75   | 419        | 2.12   | ug/l # | 1        |
| -----                         |                |      |            |        |        |          |

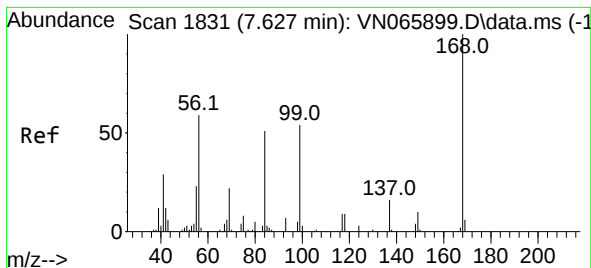
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022421\  
Data File : VN066009.D  
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Sample : M1474-06  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Feb 25 02:15:47 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
Response via : Initial Calibration

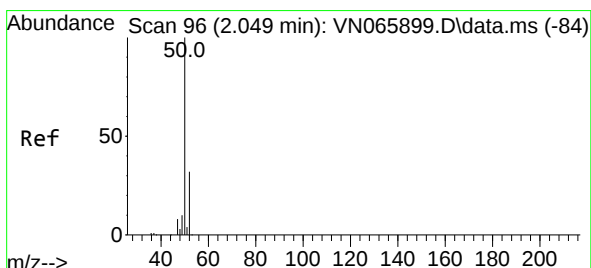
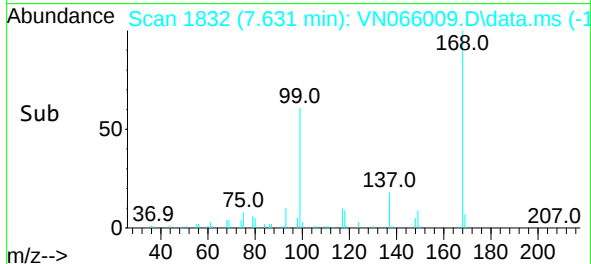
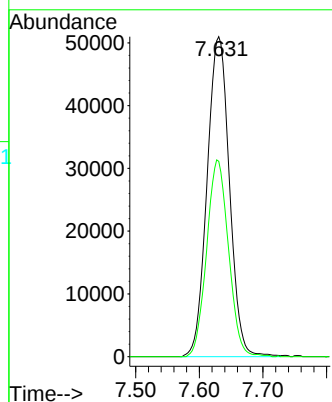
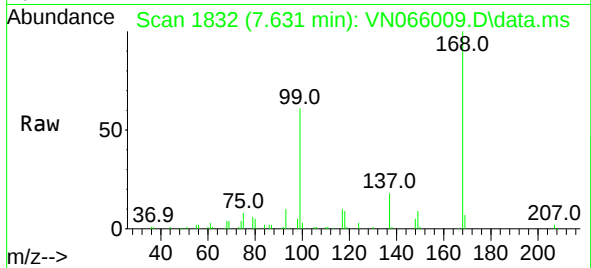




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.631 min Scan# 1832  
Delta R.T. 0.004 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

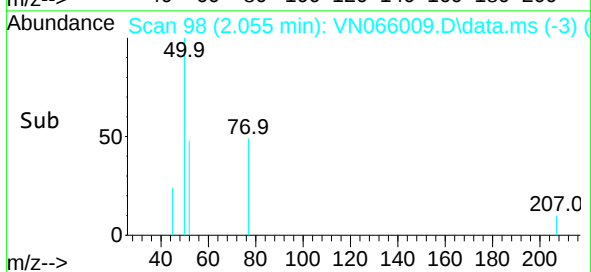
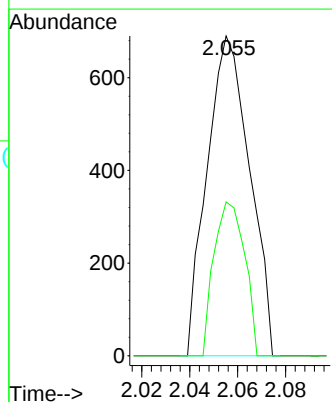
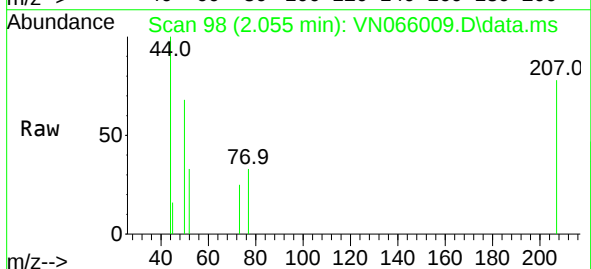
Instrument :  
MSVOA\_N  
ClientSampled :

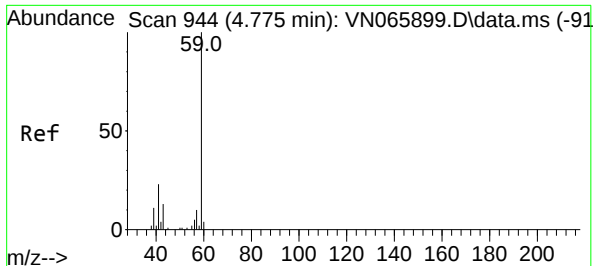
Tgt Ion:168 Resp: 124399  
Ion Ratio Lower Upper  
168 100  
99 61.1 42.6 63.8



#3  
Chloromethane  
Concen: 0.42 ug/l  
RT: 2.055 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 50 Resp: 849  
Ion Ratio Lower Upper  
50 100  
52 48.1 25.8 38.8#

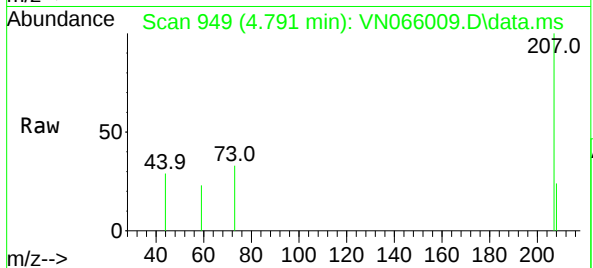




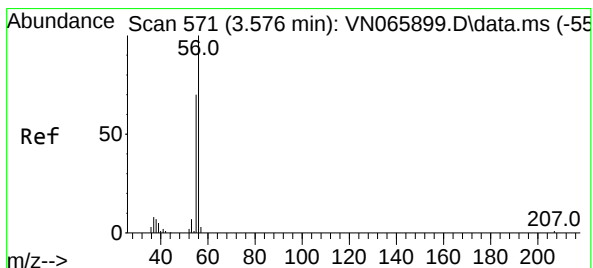
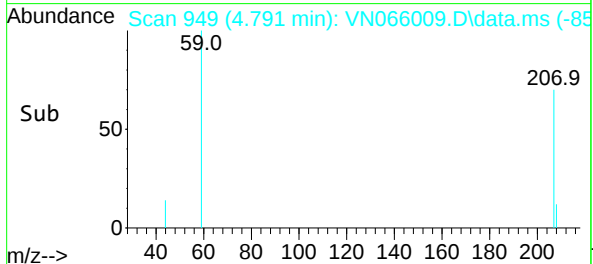
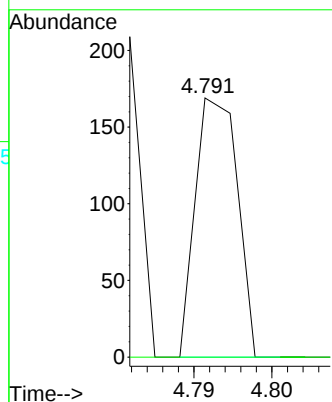
#11

Tert butyl alcohol  
Concen: 0.26 ug/l  
RT: 4.791 min Scan# 949  
Delta R.T. 0.016 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Instrument :  
MSVOA\_N  
ClientSampled :



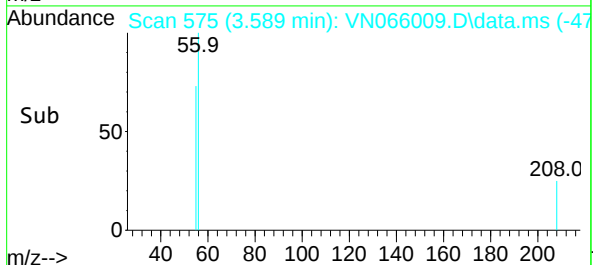
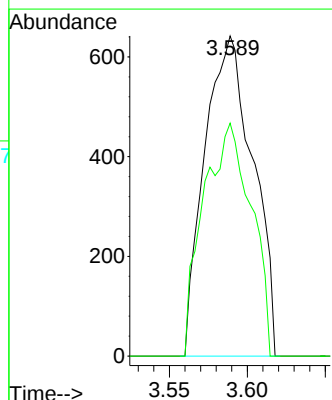
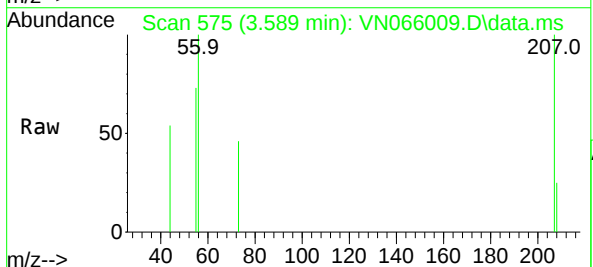
Tgt Ion: 59 Resp: 63  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

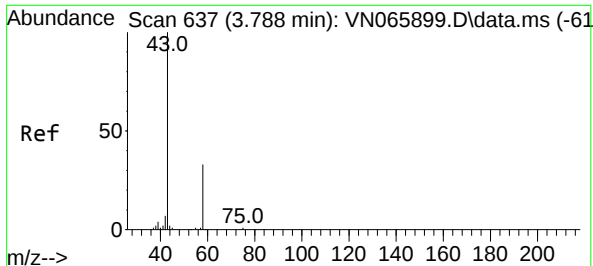


#13

Acrolein  
Concen: 6.25 ug/l  
RT: 3.589 min Scan# 575  
Delta R.T. 0.013 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 56 Resp: 1383  
Ion Ratio Lower Upper  
56 100  
55 71.9 56.0 84.0

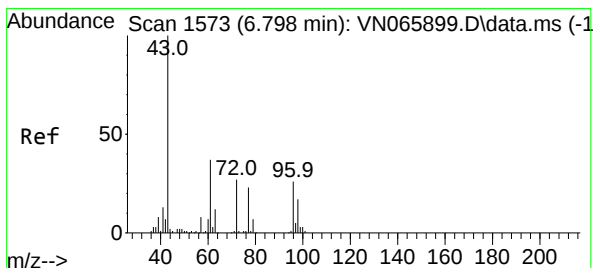
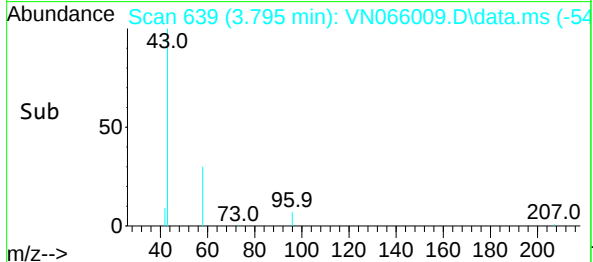
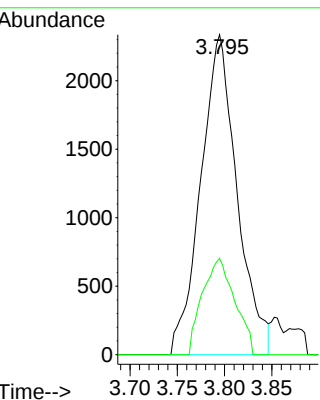
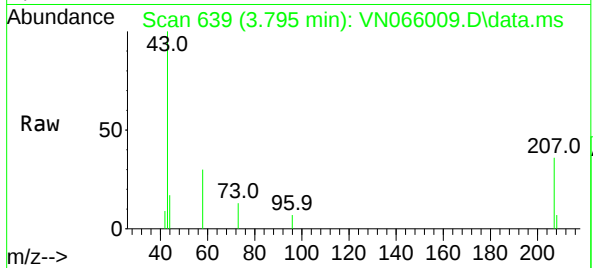




#16  
Acetone  
Concen: 9.85 ug/l  
RT: 3.795 min Scan# 639  
Delta R.T. 0.007 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

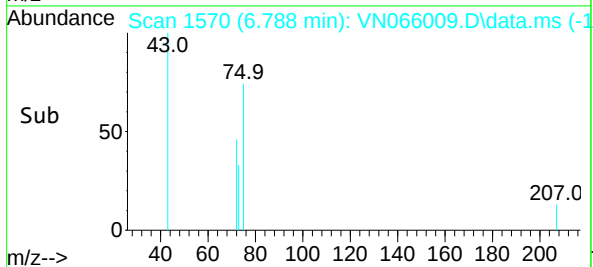
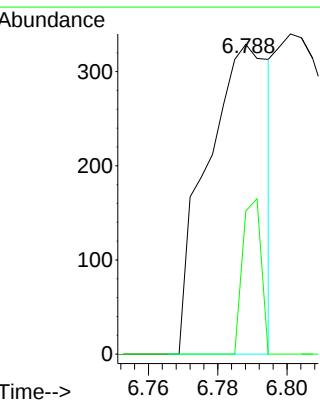
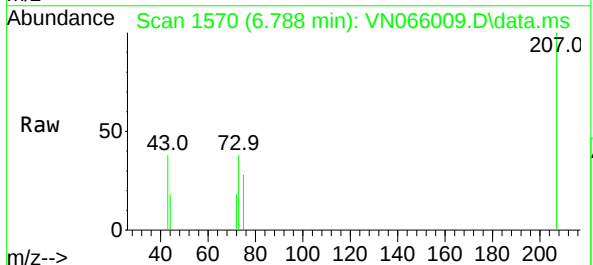
Instrument :  
MSVOA\_N  
ClientSampled :

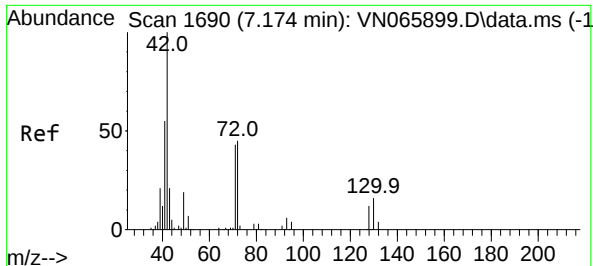
Tgt Ion: 43 Resp: 6225  
Ion Ratio Lower Upper  
43 100  
58 33.3 27.0 40.6



#25  
2-Butanone  
Concen: 0.47 ug/l  
RT: 6.788 min Scan# 1570  
Delta R.T. -0.010 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 43 Resp: 405  
Ion Ratio Lower Upper  
43 100  
72 46.2 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 7.184 min Scan# 1693

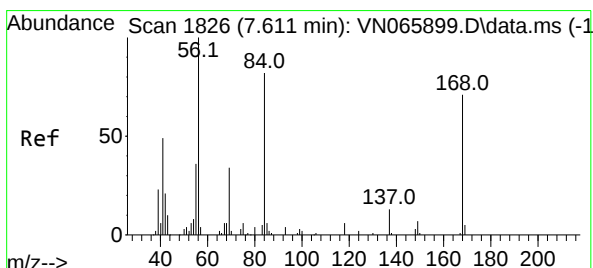
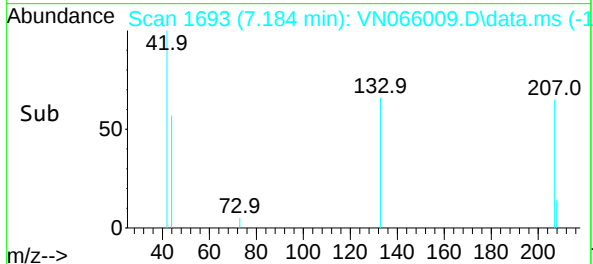
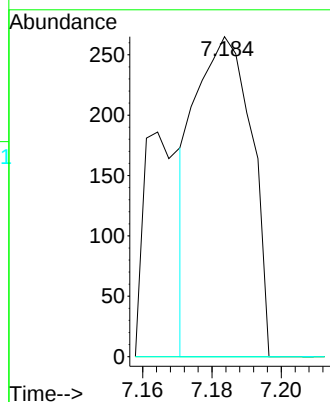
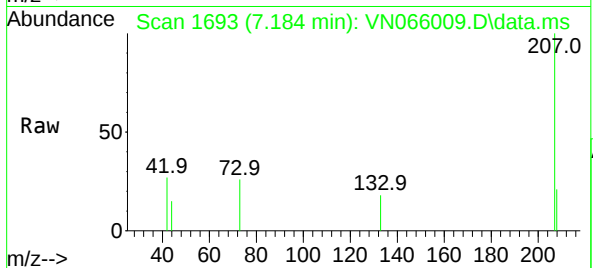
Delta R.T. 0.010 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 302   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 0.0   | 36.6  | 55.0# |
| 71       | 0.0   | 34.3  | 51.5# |

Instrument :  
MSVOA\_N  
ClientSampled :



#31

Cyclohexane

Concen: 0.91 ug/l

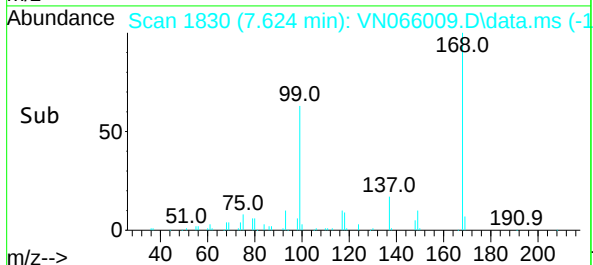
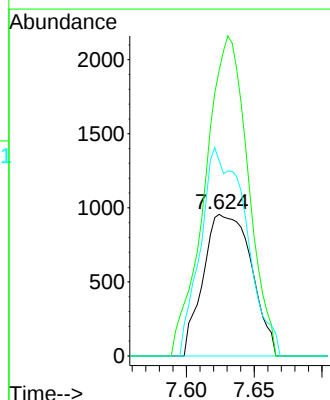
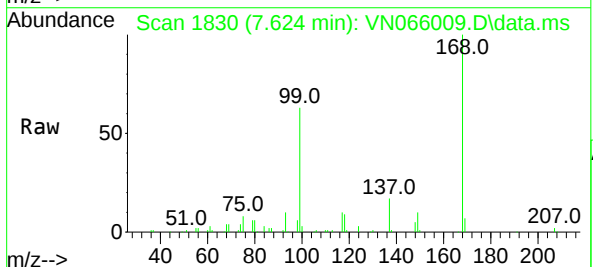
RT: 7.624 min Scan# 1830

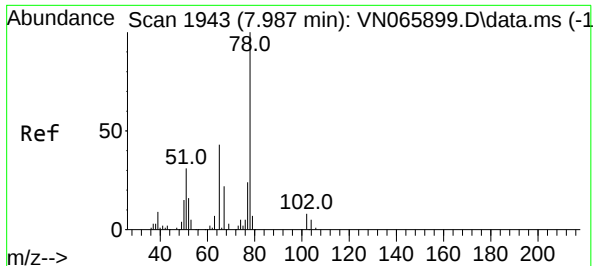
Delta R.T. 0.013 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 2362   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 201.4 | 26.6  | 39.8#  |
| 84       | 138.1 | 70.4  | 105.6# |



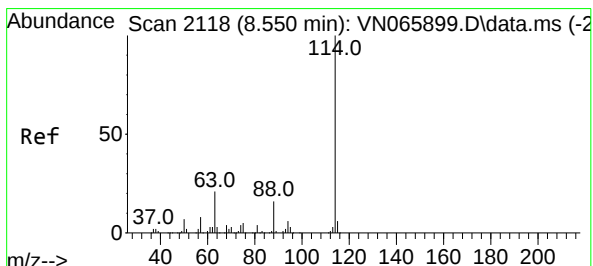
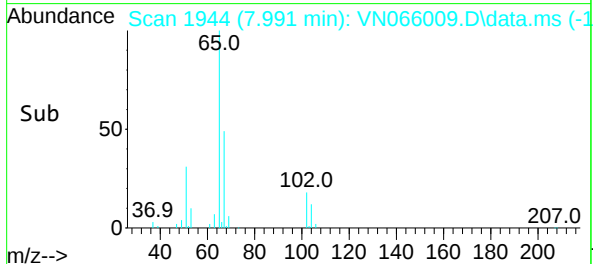
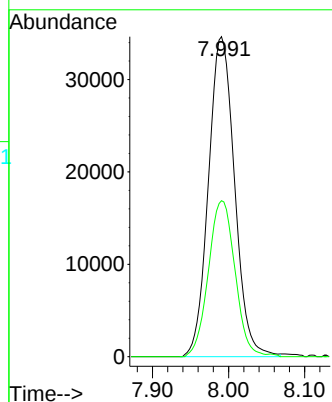
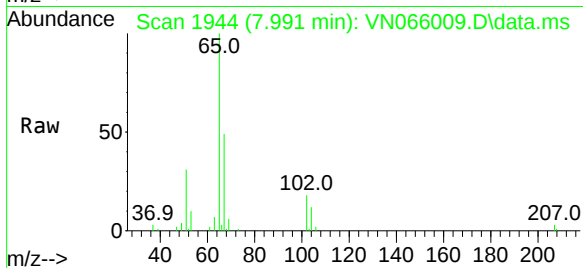


#33

1,2-Dichloroethane-d4  
Concen: 47.58 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. 0.004 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Instrument :  
MSVOA\_N  
ClientSampled :

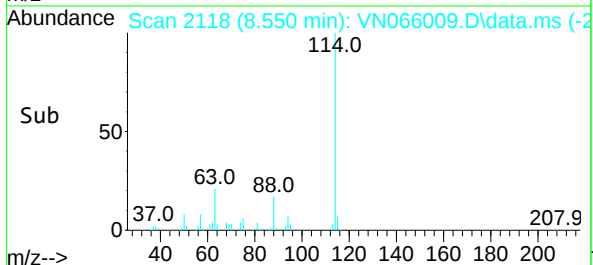
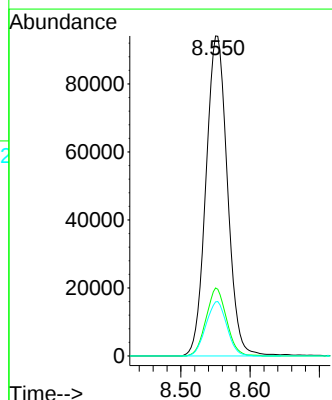
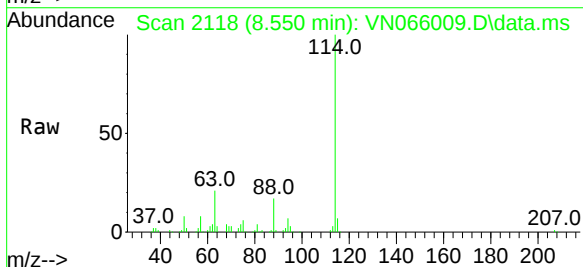
Tgt Ion: 65 Resp: 82779  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 107.2

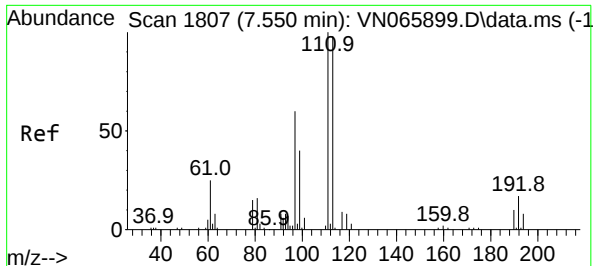


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 114 Resp: 201772  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 38.6  
88 16.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.34 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

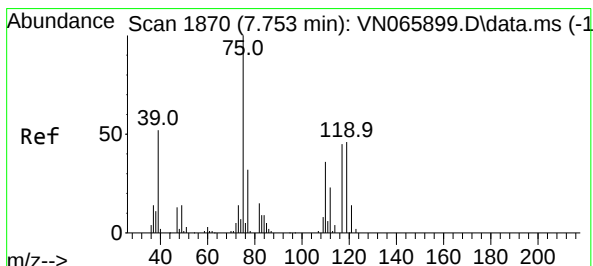
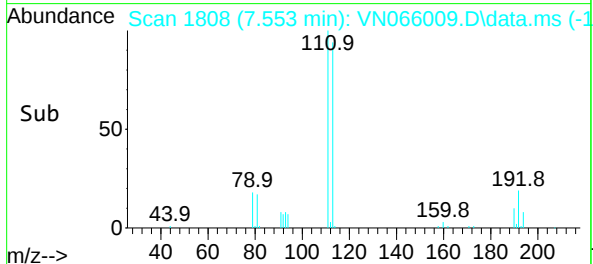
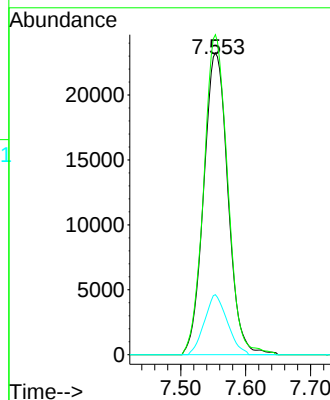
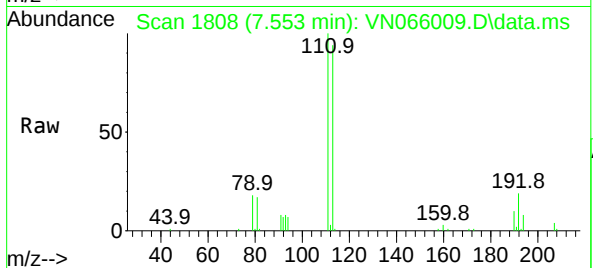
Tgt Ion:113 Resp: 60368

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.2

192 18.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.71 ug/l

RT: 7.631 min Scan# 1832

Delta R.T. -0.122 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

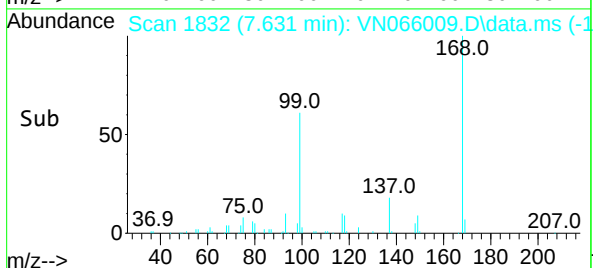
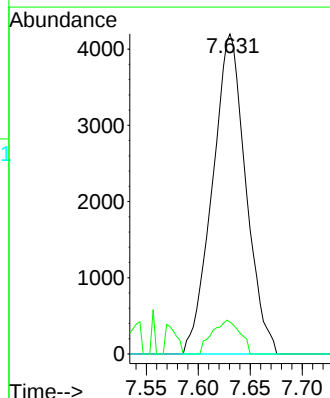
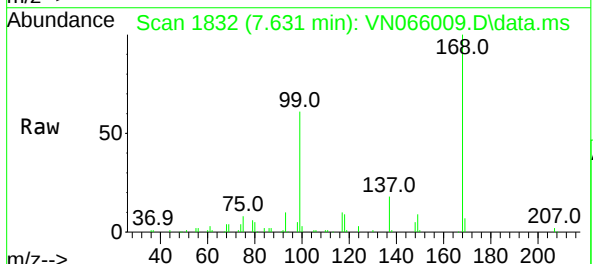
Tgt Ion: 75 Resp: 9379

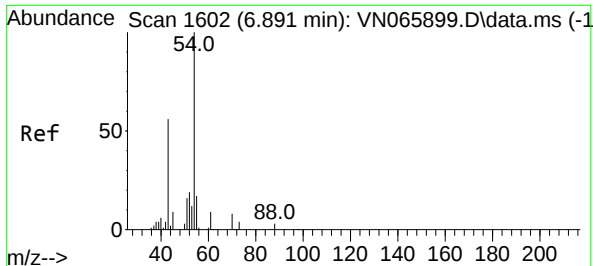
Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.23 ug/l

RT: 6.788 min Scan# 1570

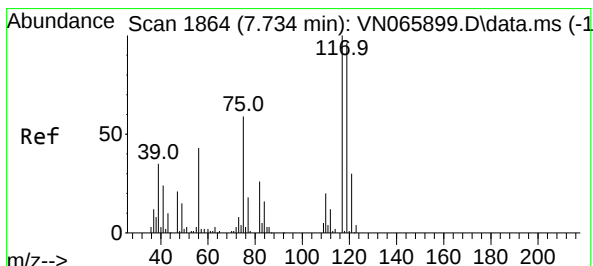
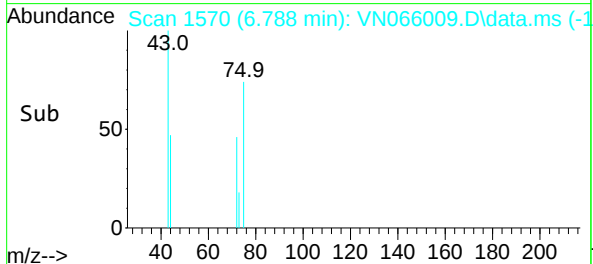
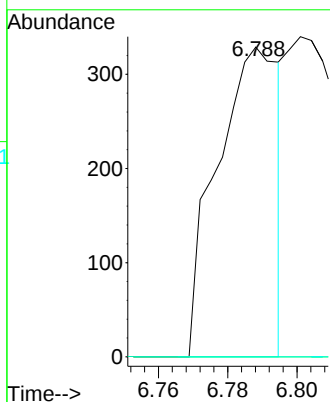
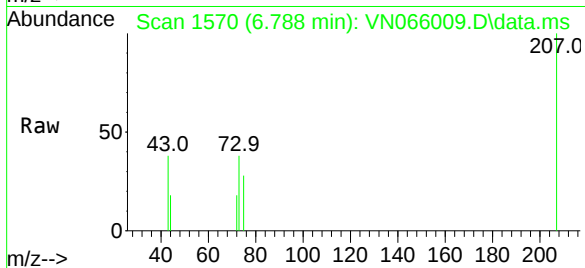
Delta R.T. -0.103 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 405   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 11.6  | 17.4# |
| 70       | 0.0   | 8.6   | 13.0# |

Instrument :  
MSVOA\_N  
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.85 ug/l

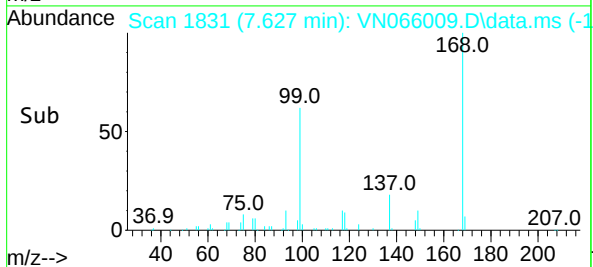
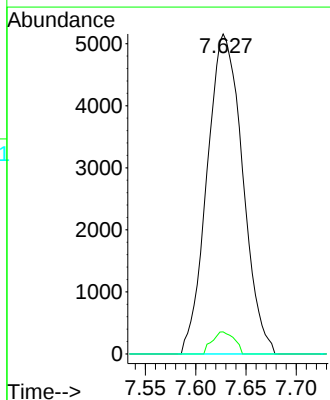
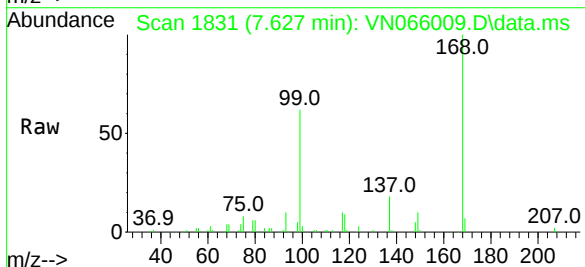
RT: 7.627 min Scan# 1831

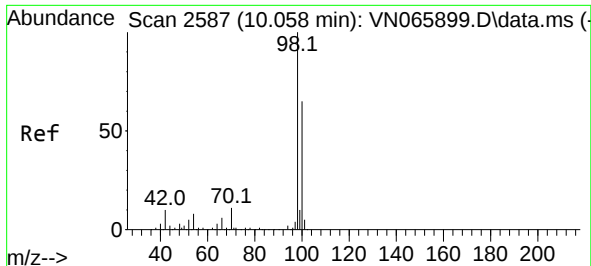
Delta R.T. -0.107 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 12671  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 6.9   | 76.0  | 114.0# |
| 121      | 0.0   | 24.5  | 36.7#  |

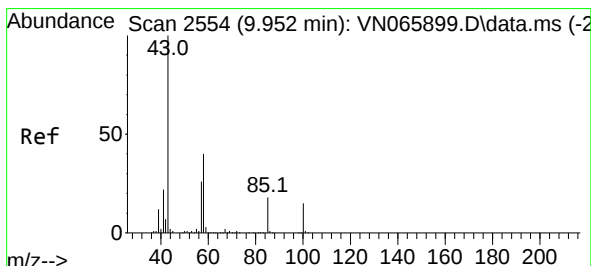
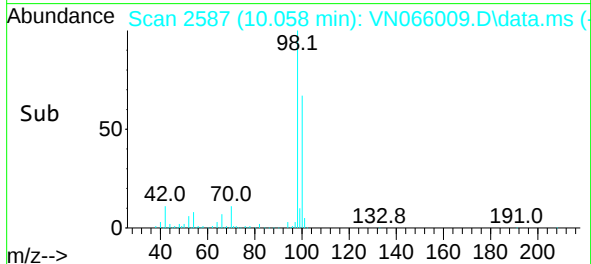
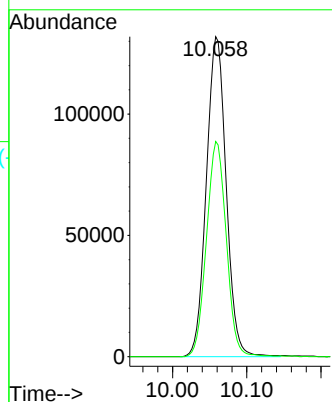
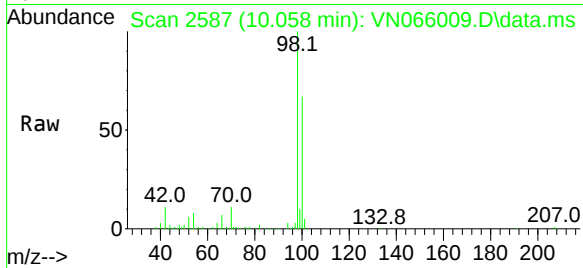




#50  
Toluene-d8  
Concen: 47.66 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

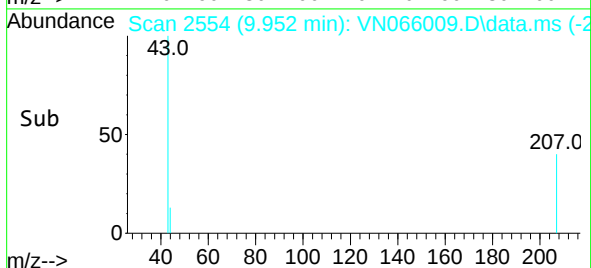
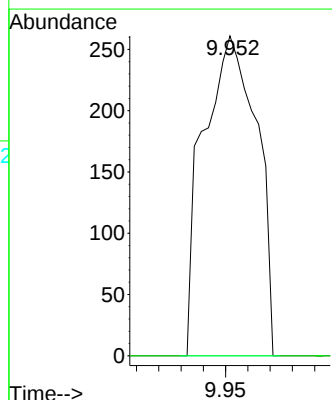
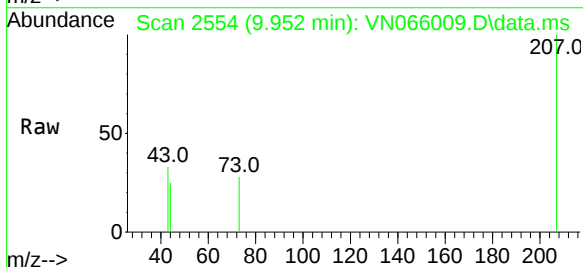
Instrument :  
MSVOA\_N  
ClientSampled :

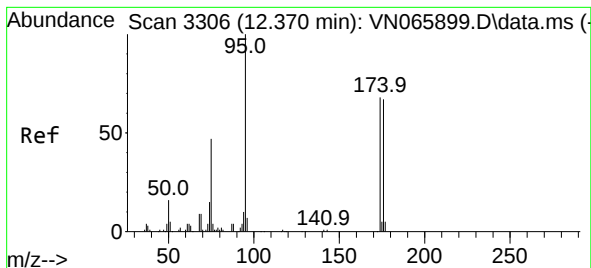
Tgt Ion: 98 Resp: 244323  
Ion Ratio Lower Upper  
98 100  
100 67.2 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.25 ug/l  
RT: 9.952 min Scan# 2554  
Delta R.T. -0.000 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 43 Resp: 435  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.5 48.7#

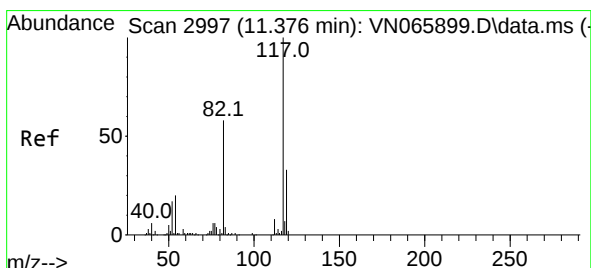
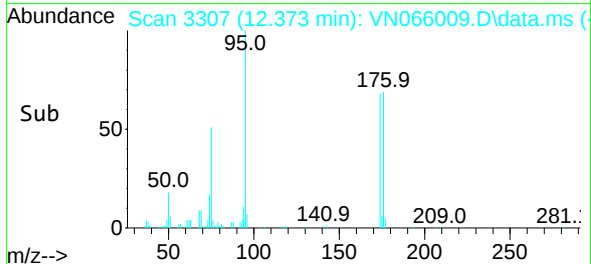
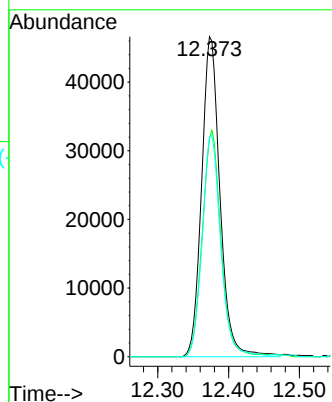
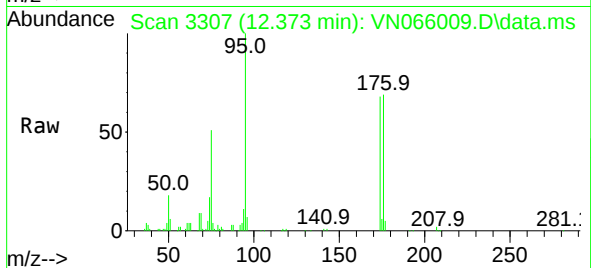




#62  
4-Bromofluorobenzene  
Concen: 43.67 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

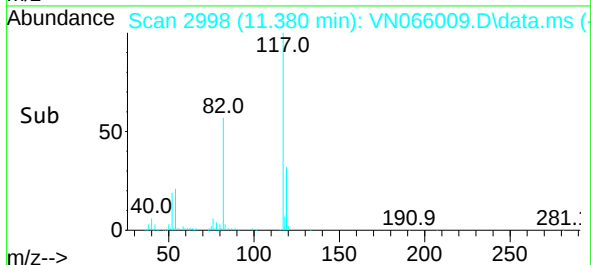
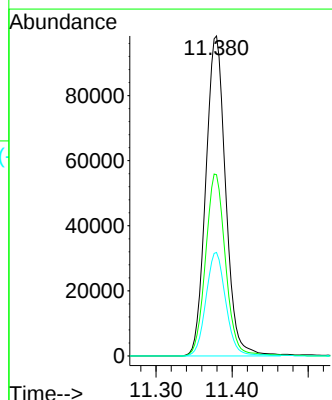
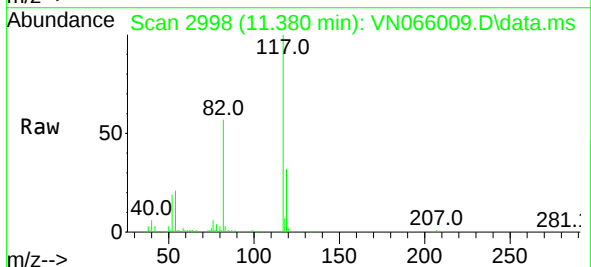
Instrument :  
MSVOA\_N  
ClientSampled :

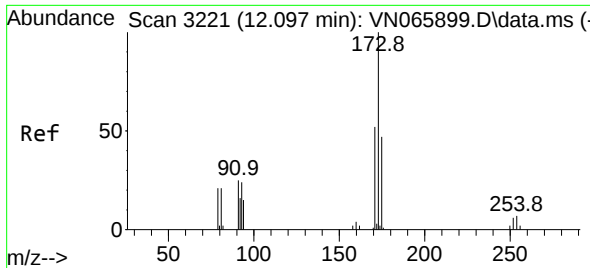
Tgt Ion: 95 Resp: 84034  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 169.0  
176 69.7 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. 0.004 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 117 Resp: 178271  
Ion Ratio Lower Upper  
117 100  
82 56.7 43.7 65.5  
119 32.4 26.1 39.1

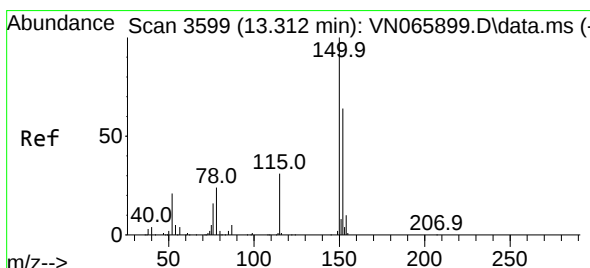
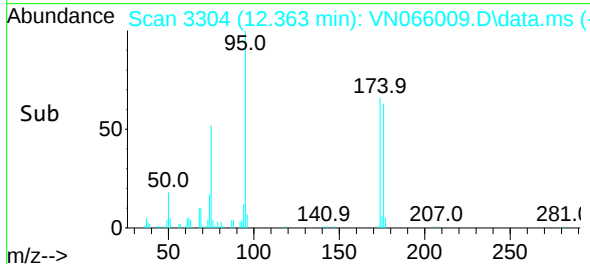
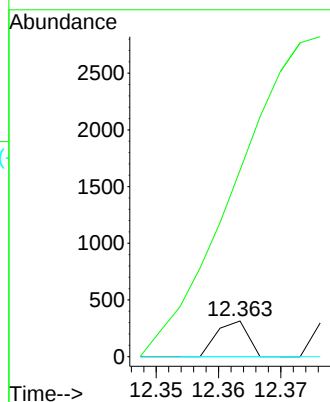
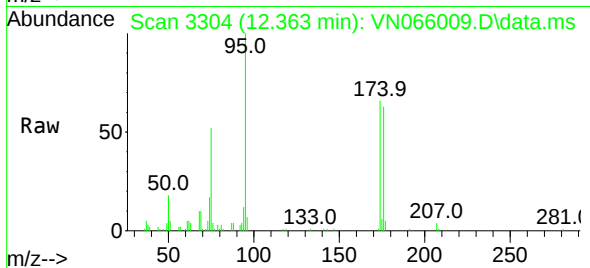




#71  
Bromoform  
Concen: 2.61 ug/l  
RT: 12.363 min Scan# 3304  
Delta R.T. 0.266 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

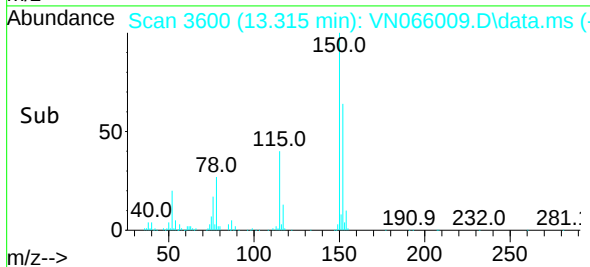
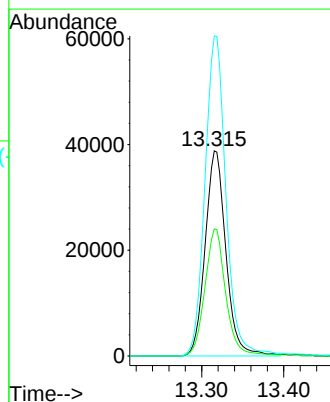
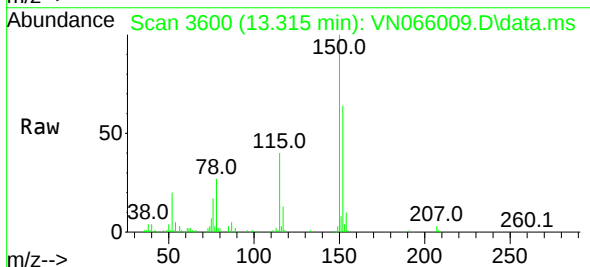
Instrument :  
MSVOA\_N  
ClientSampled :

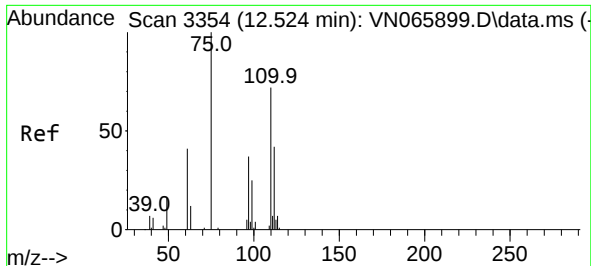
Tgt Ion:173 Resp: 109  
Ion Ratio Lower Upper  
173 100  
175 0.0 23.8 71.2#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion:152 Resp: 68255  
Ion Ratio Lower Upper  
152 100  
115 62.5 28.5 85.6  
150 158.6 0.0 347.6

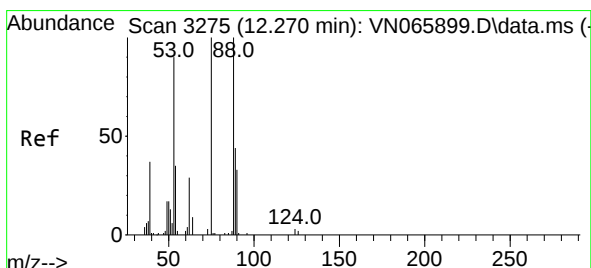
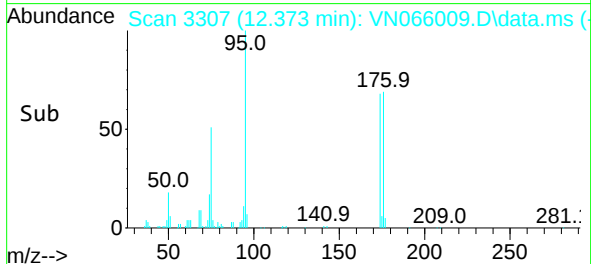
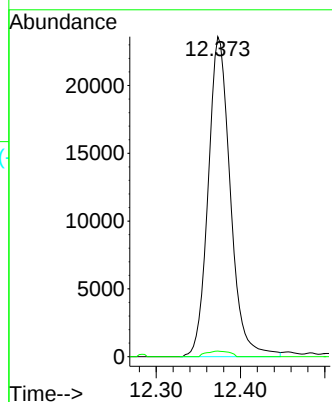
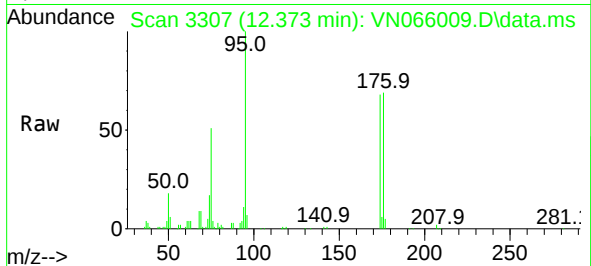




#76  
1,2,3-Trichloropropane  
Concen: 26.32 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

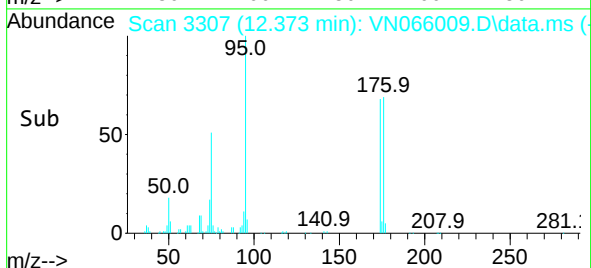
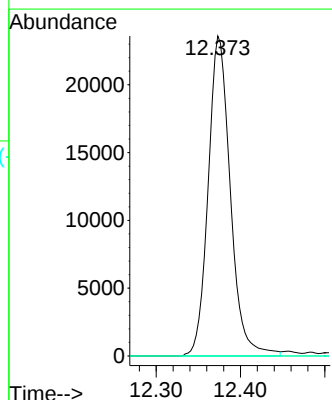
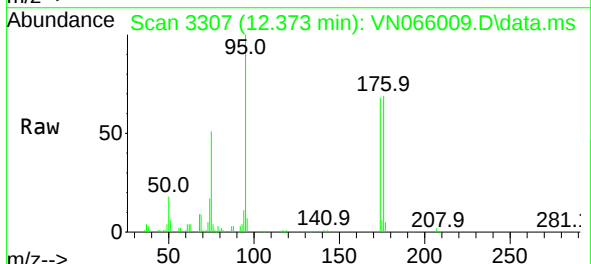
Instrument :  
MSVOA\_N  
ClientSampled :

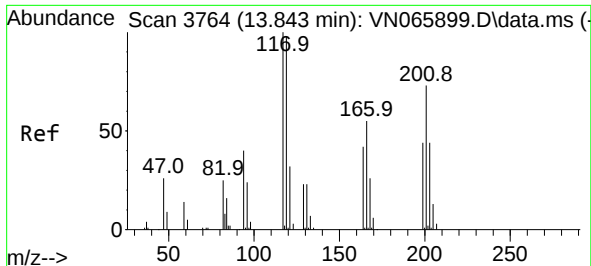
Tgt Ion: 75 Resp: 43163  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.89 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 75 Resp: 43163  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

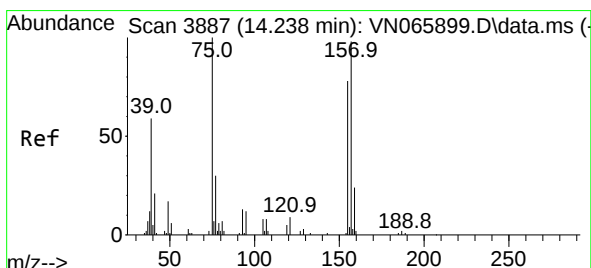
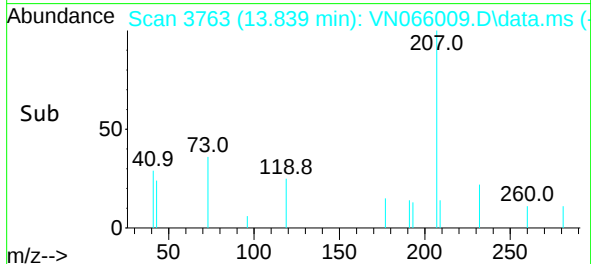
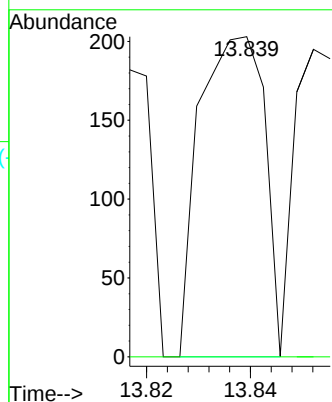
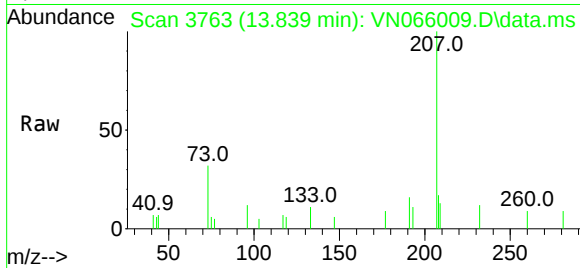




#90  
Hexachloroethane  
Concen: 0.23 ug/l  
RT: 13.839 min Scan# 3763  
Delta R.T. -0.004 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion:117 Resp: 176  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.8 113.3#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.12 ug/l  
RT: 14.273 min Scan# 3898  
Delta R.T. 0.035 min  
Lab File: VN066009.D  
Acq: 24 Feb 2021 17:16

Tgt Ion: 75 Resp: 419  
Ion Ratio Lower Upper  
75 100  
155 0.0 44.1 132.4#  
157 0.0 56.0 168.2#

