

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042921\  
 Data File : VN066885.D  
 Acq On : 30 Apr 2021 1:17  
 Operator : JC/MD  
 Sample : M2137-16  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 30 06:18:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 16:02:50 2021  
 Response via : Initial Calibration

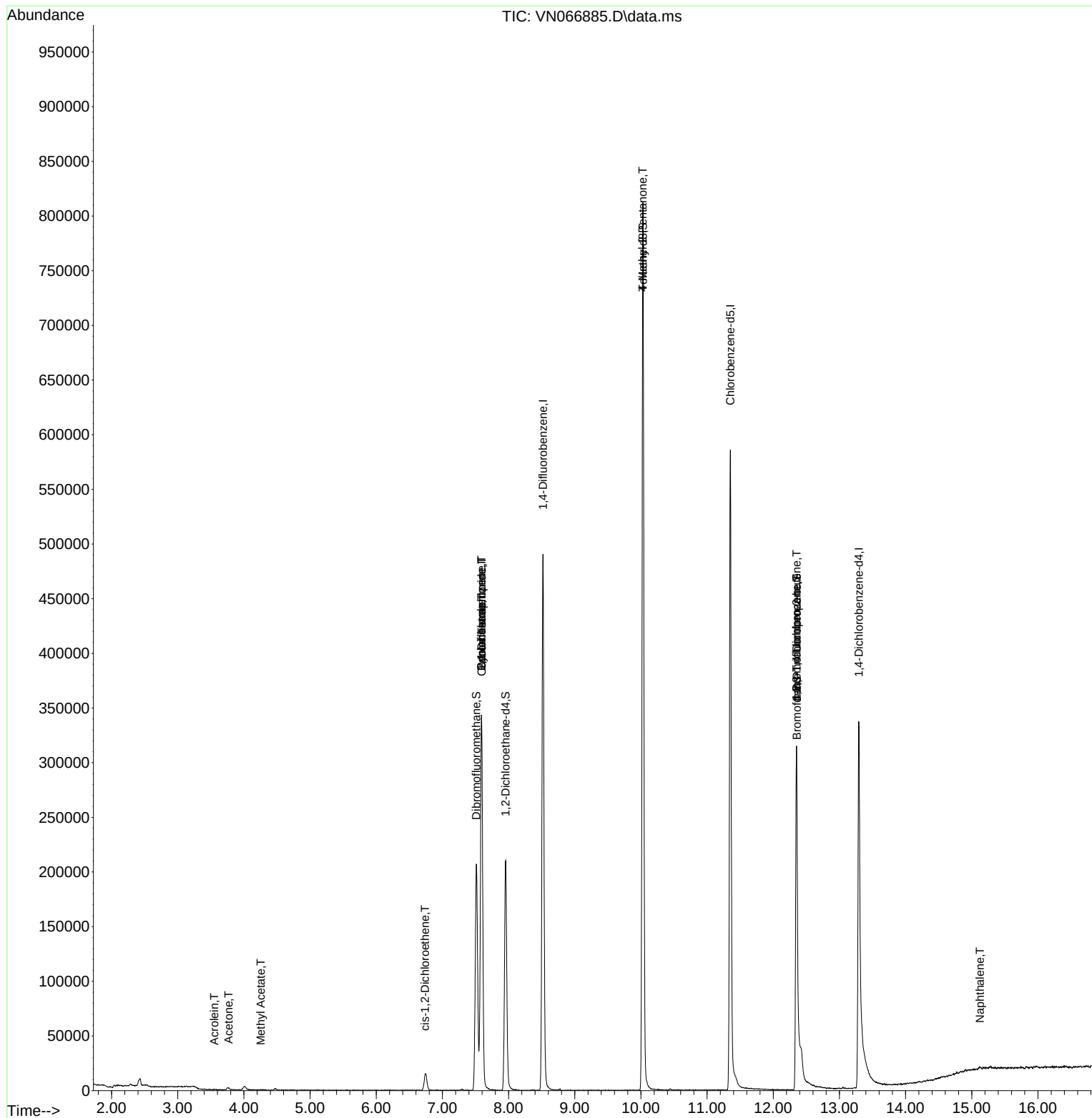
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 7.591          | 168  | 311115             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.519          | 114  | 469922             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.351         | 117  | 405255             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.293         | 152  | 158365             | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.956          | 65   | 181265             | 45.35 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 90.70%  |       |        |          |
| 35) Dibromofluoromethane      | 7.513          | 113  | 164357             | 56.66 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 113.32% |       |        |          |
| 50) Toluene-d8                | 10.029         | 98   | 601858             | 52.86 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 105.72% |       |        |          |
| 62) 4-Bromofluorobenzene      | 12.352         | 95   | 165369             | 42.93 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 85.86%  |       |        |          |
| Target Compounds              |                |      |                    |       |        |          |
|                               |                |      |                    |       | Qvalue |          |
| 13) Acrolein                  | 3.552          | 56   | 389                | 0.76  | ug/l # | 69       |
| 16) Acetone                   | 3.769          | 43   | 3601               | 2.39  | ug/l # | 87       |
| 18) Methyl Acetate            | 4.252          | 43   | 474                | 1.23  | ug/l # | 51       |
| 27) cis-1,2-Dichloroethene    | 6.736          | 96   | 4984               | 1.29  | ug/l # | 1        |
| 31) Cyclohexane               | 7.591          | 56   | 4931               | 0.80  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.591          | 75   | 19876              | 4.55  | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.594          | 117  | 26262              | 6.27  | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.026         | 43   | 1994               | 0.50  | ug/l # | 1        |
| 71) Bromoform                 | 12.357         | 173  | 983                | 0.45  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.352         | 75   | 65519              | 19.63 | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.352         | 75   | 65519              | 54.16 | ug/l # | 12       |
| 95) Naphthalene               | 15.125         | 128  | 2461               | 0.35  | ug/l # | 69       |
| -----                         |                |      |                    |       |        |          |

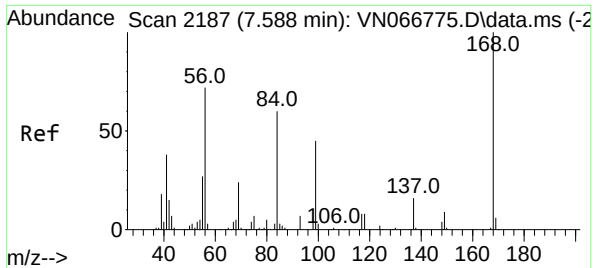
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042921\  
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Acq On : 30 Apr 2021 1:17  
Operator : JC/MD  
Sample : M2137-16  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Apr 30 06:18:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 27 16:02:50 2021  
Response via : Initial Calibration

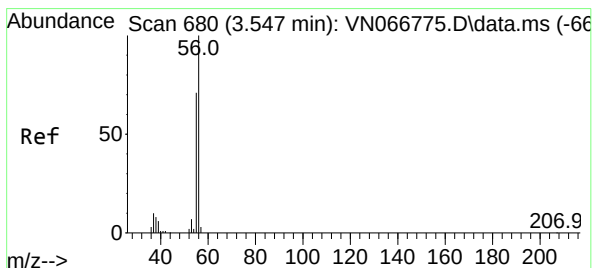
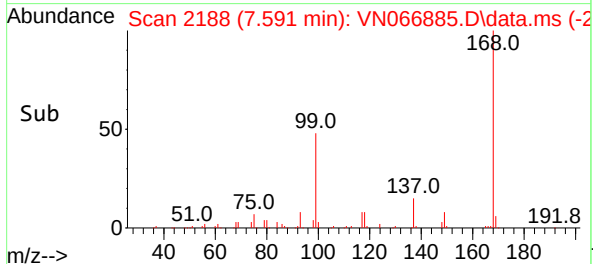
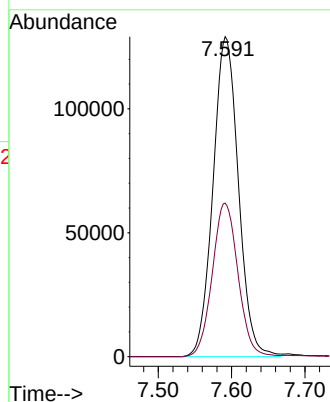
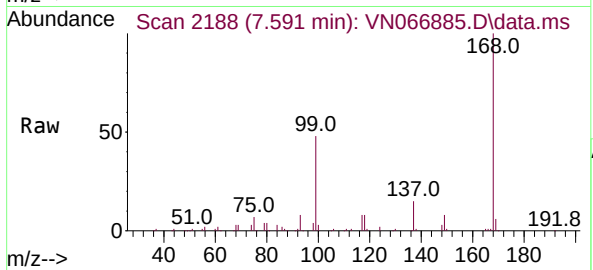




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.591 min Scan# 2188  
Delta R.T. 0.003 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

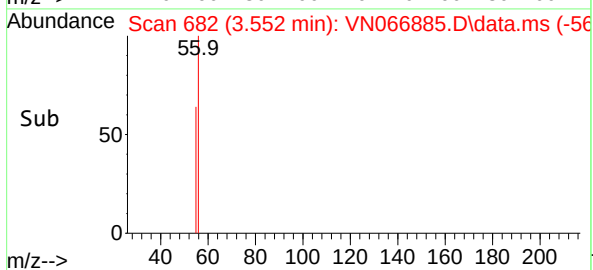
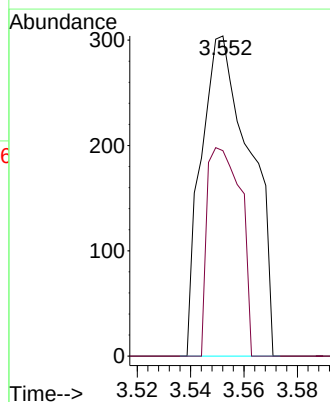
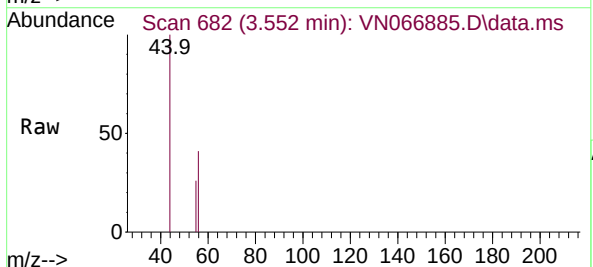
Instrument :  
MSVOA\_N  
ClientSampled :

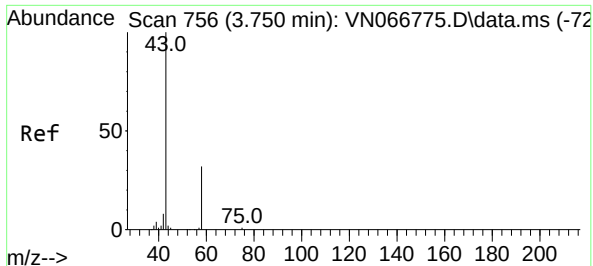
Tgt Ion:168 Resp: 311115  
Ion Ratio Lower Upper  
168 100  
99 48.0 42.6 63.8



#13  
Acrolein  
Concen: 0.76 ug/l  
RT: 3.552 min Scan# 682  
Delta R.T. 0.005 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

Tgt Ion: 56 Resp: 389  
Ion Ratio Lower Upper  
56 100  
55 44.5 56.0 84.0#

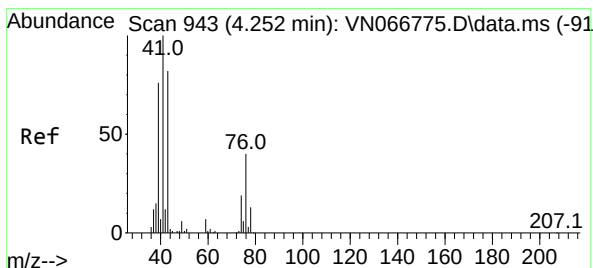
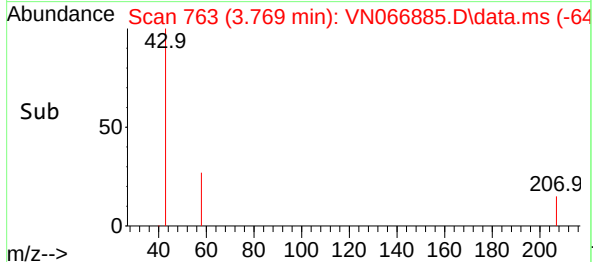
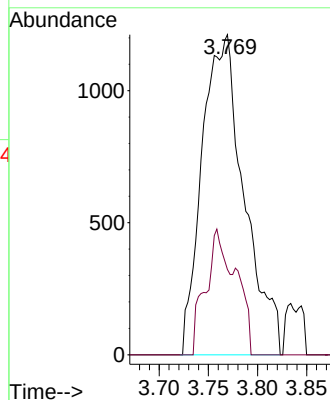
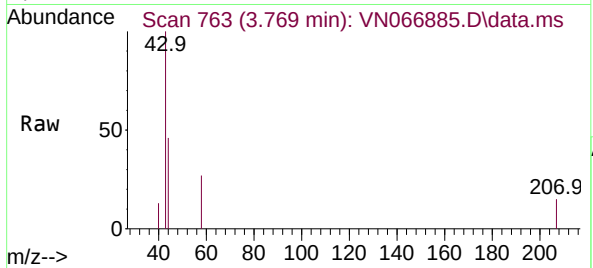




#16  
Acetone  
Concen: 2.39 ug/l  
RT: 3.769 min Scan# 763  
Delta R.T. 0.019 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

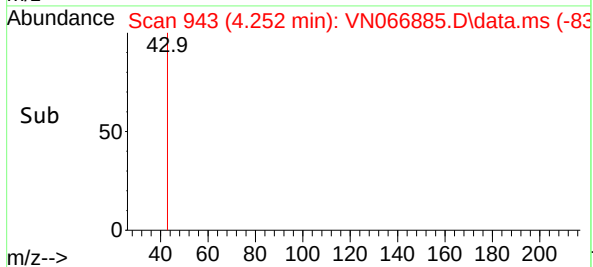
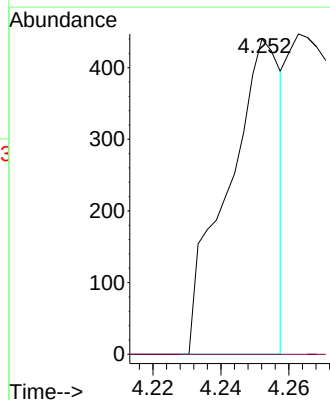
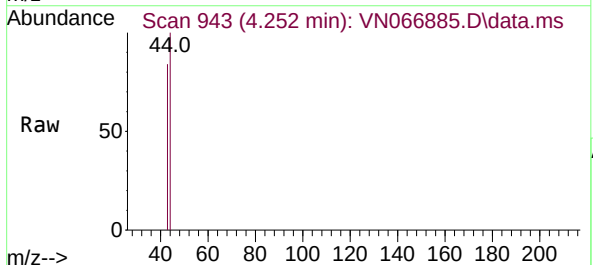
Instrument :  
MSVOA\_N  
ClientSampled :

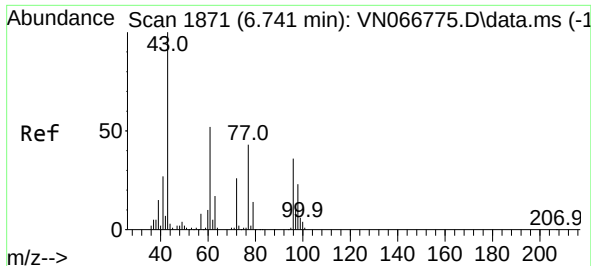
Tgt Ion: 43 Resp: 3601  
Ion Ratio Lower Upper  
43 100  
58 26.7 27.0 40.6#



#18  
Methyl Acetate  
Concen: 1.23 ug/l  
RT: 4.252 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

Tgt Ion: 43 Resp: 474  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.5 29.3#





#27

cis-1,2-Dichloroethene

Concen: 1.29 ug/l

RT: 6.736 min Scan# 1869

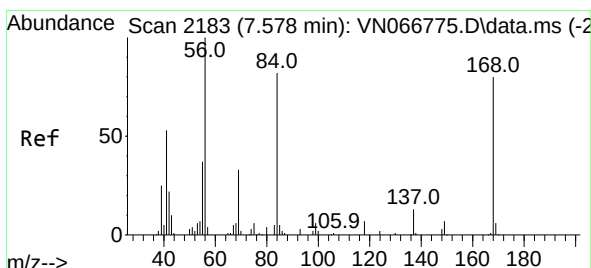
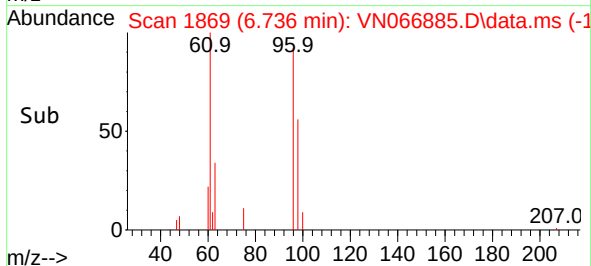
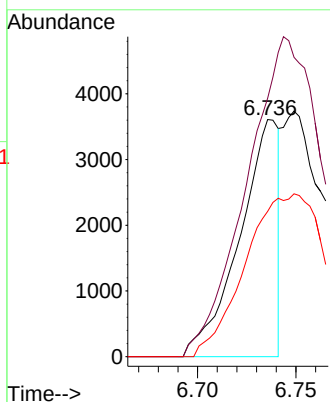
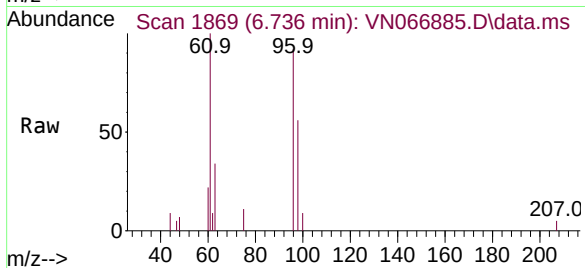
Delta R.T. -0.005 min

Lab File: VN066885.D

Acq: 30 Apr 2021 1:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 4984   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 283.2 | 0.0   | 276.8# |
| 98       | 148.2 | 0.0   | 129.4# |

Instrument :  
MSVOA\_N  
ClientSampled :



#31

Cyclohexane

Concen: 0.80 ug/l

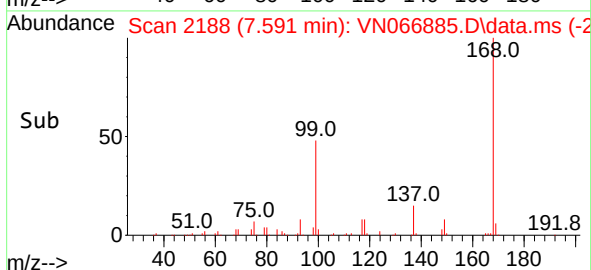
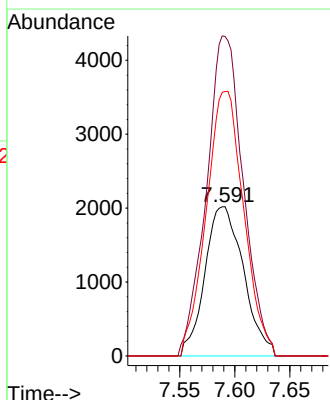
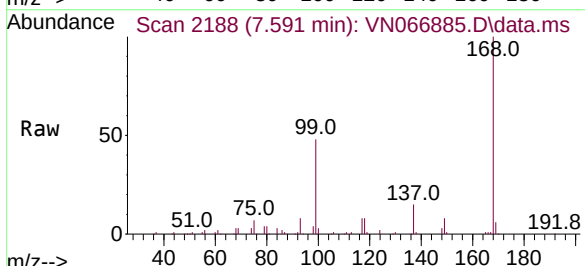
RT: 7.591 min Scan# 2188

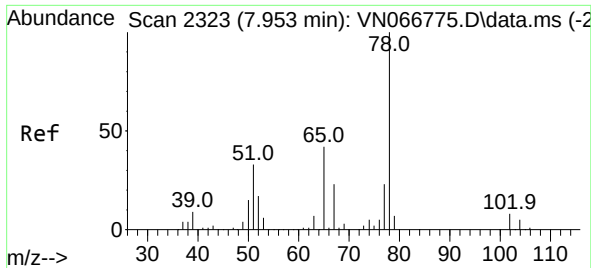
Delta R.T. 0.013 min

Lab File: VN066885.D

Acq: 30 Apr 2021 1:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4931   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 214.0 | 26.6  | 39.8#  |
| 84       | 177.0 | 70.4  | 105.6# |

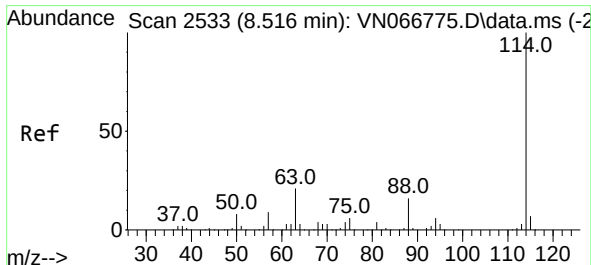
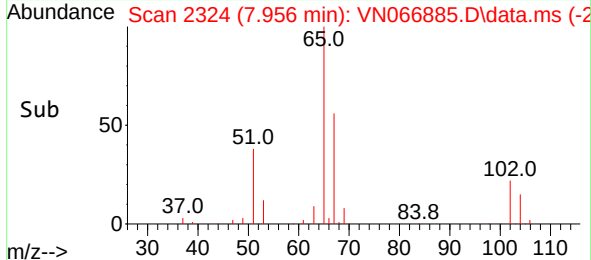
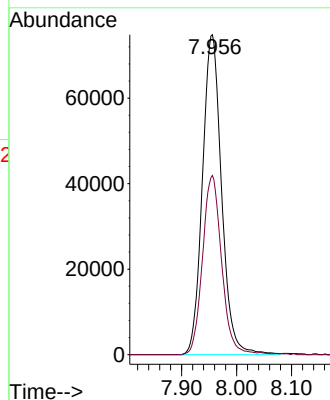
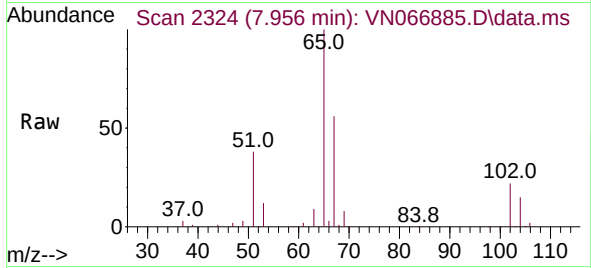




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.35 ug/l  
 RT: 7.956 min Scan# 2324  
 Delta R.T. 0.003 min  
 Lab File: VN066885.D  
 Acq: 30 Apr 2021 1:17

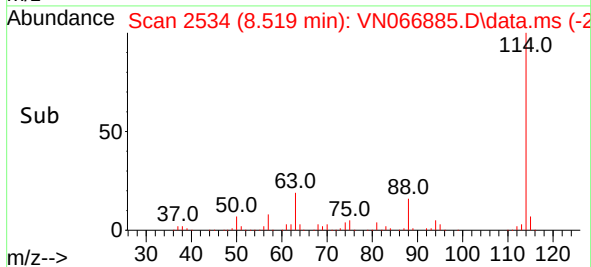
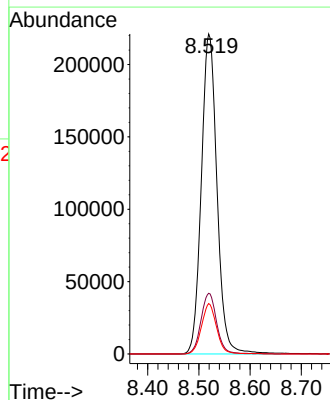
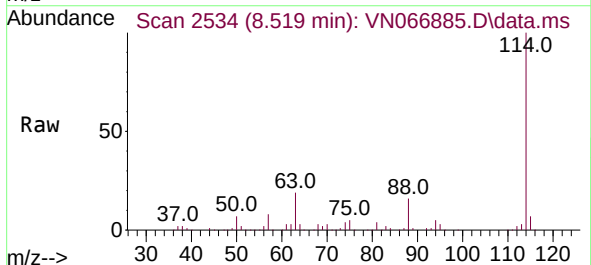
Instrument :  
 MSVOA\_N  
 ClientSampled :

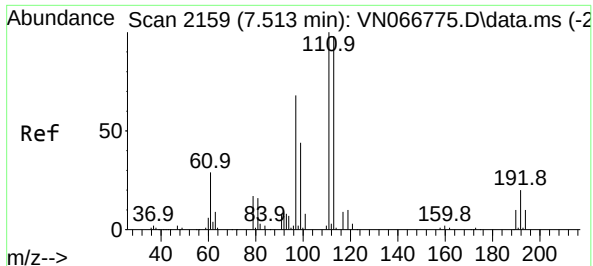
Tgt Ion: 65 Resp: 181265  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.519 min Scan# 2534  
 Delta R.T. 0.003 min  
 Lab File: VN066885.D  
 Acq: 30 Apr 2021 1:17

Tgt Ion: 114 Resp: 469922  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 38.6  
 88 15.7 0.0 30.6

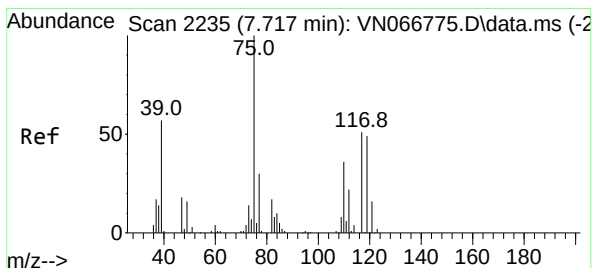
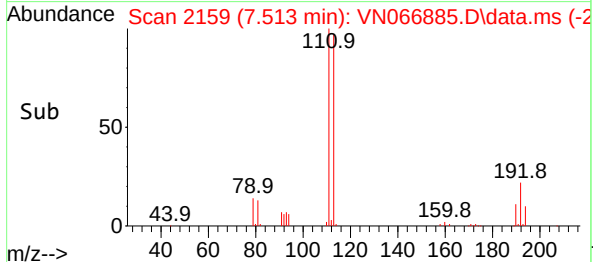
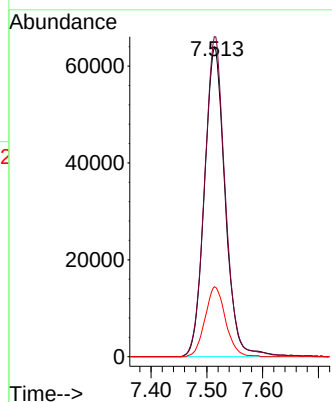
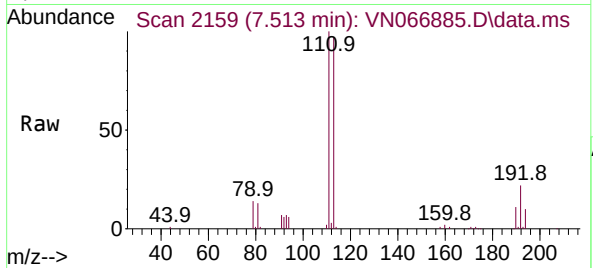




#35  
Dibromofluoromethane  
Concen: 56.66 ug/l  
RT: 7.513 min Scan# 2159  
Delta R.T. 0.000 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

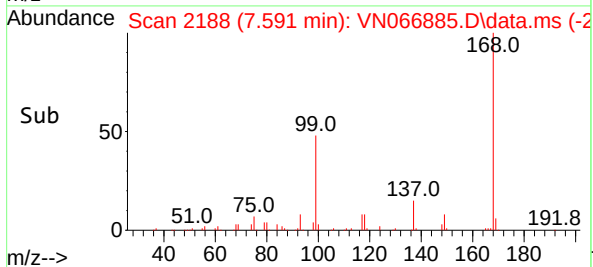
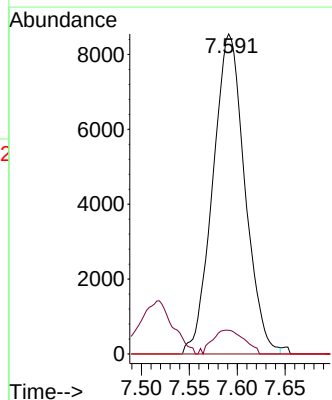
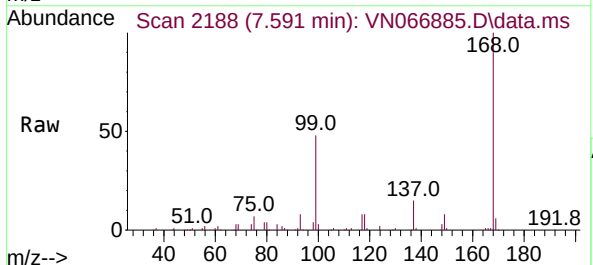
Instrument :  
MSVOA\_N  
ClientSampleId :

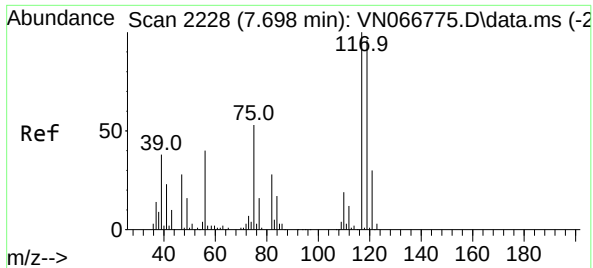
Tgt Ion:113 Resp: 164357  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.2 123.2  
192 22.5 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 4.55 ug/l  
RT: 7.591 min Scan# 2188  
Delta R.T. -0.126 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

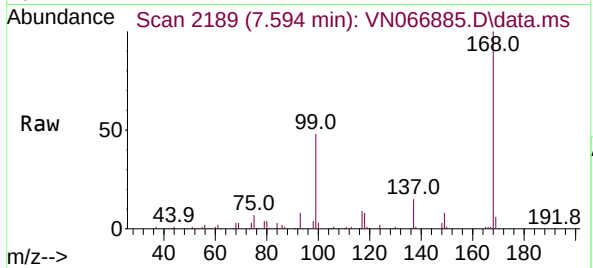
Tgt Ion: 75 Resp: 19876  
Ion Ratio Lower Upper  
75 100  
110 7.4 18.2 54.6#  
77 0.0 24.9 37.3#



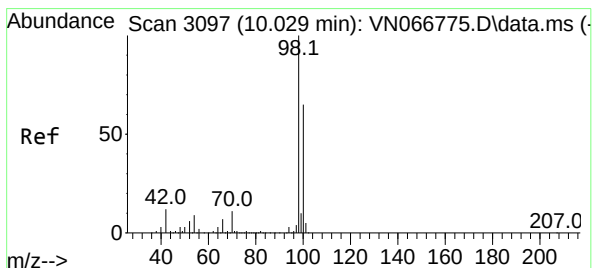
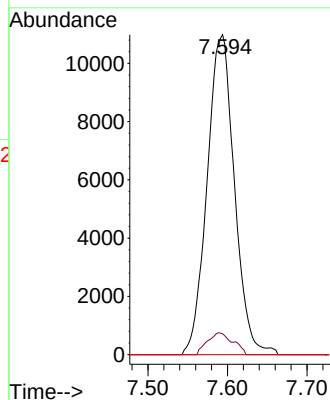
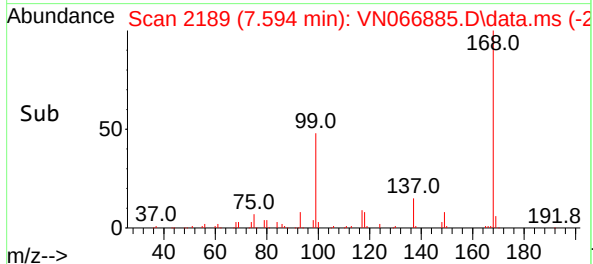


#38  
Carbon Tetrachloride  
Concen: 6.27 ug/l  
RT: 7.594 min Scan# 2189  
Delta R.T. -0.104 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

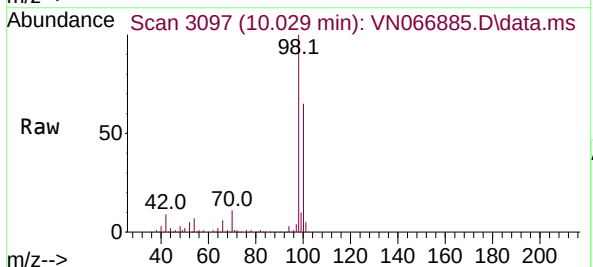
Instrument :  
MSVOA\_N  
ClientSampled :



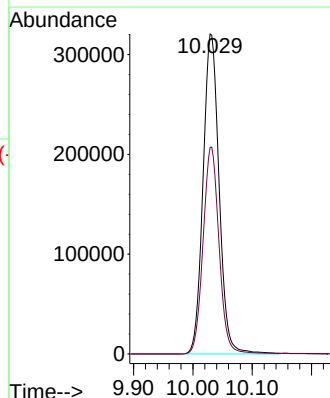
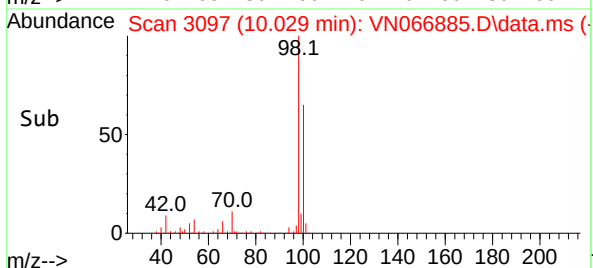
Tgt Ion:117 Resp: 26262  
Ion Ratio Lower Upper  
117 100  
119 6.5 76.0 114.0#  
121 0.0 24.5 36.7#



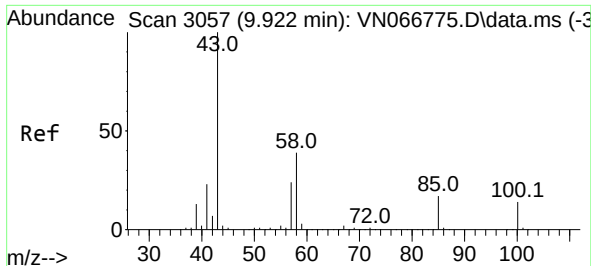
#50  
Toluene-d8  
Concen: 52.86 ug/l  
RT: 10.029 min Scan# 3097  
Delta R.T. 0.000 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17



Tgt Ion: 98 Resp: 601858  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.5 75.7



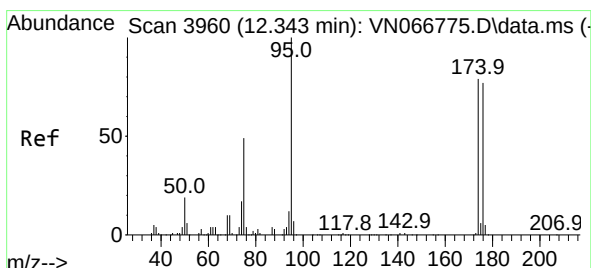
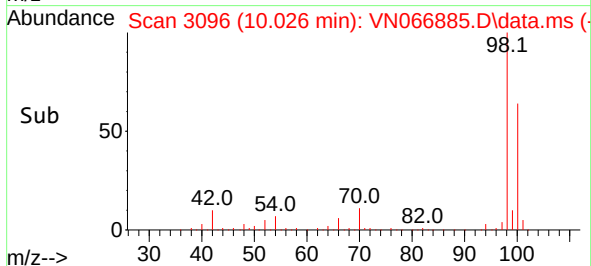
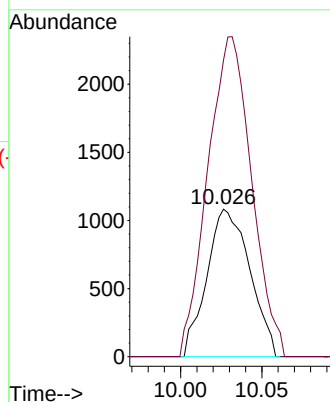
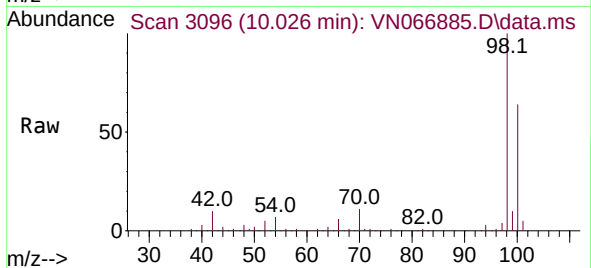




#51  
4-Methyl-2-Pentanone  
Concen: 0.50 ug/l  
RT: 10.026 min Scan# 3096  
Delta R.T. 0.104 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

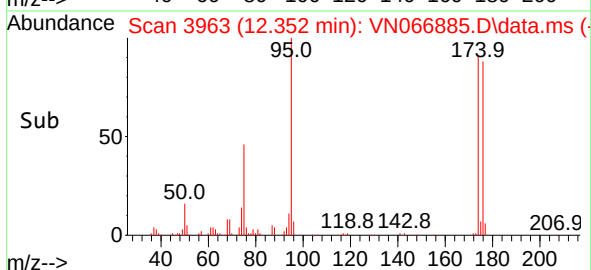
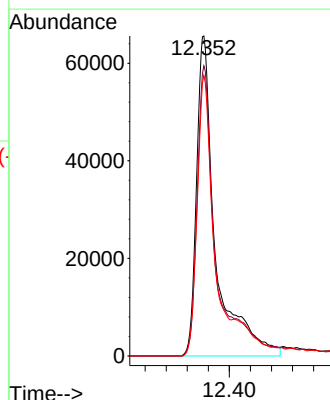
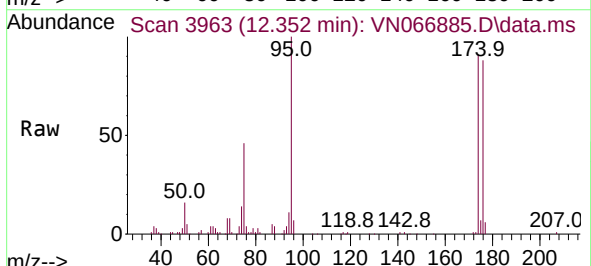
Instrument :  
MSVOA\_N  
ClientSampled :

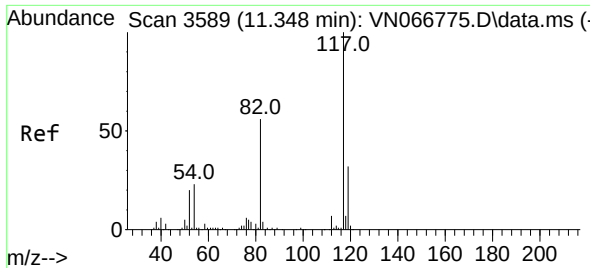
Tgt Ion: 43 Resp: 1994  
Ion Ratio Lower Upper  
43 100  
58 220.9 32.5 48.7#



#62  
4-Bromofluorobenzene  
Concen: 42.93 ug/l  
RT: 12.352 min Scan# 3963  
Delta R.T. 0.009 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

Tgt Ion: 95 Resp: 165369  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 169.0  
176 71.9 0.0 162.4

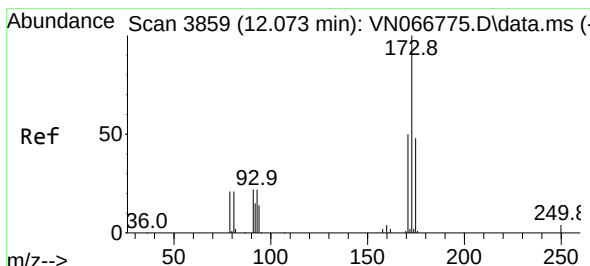
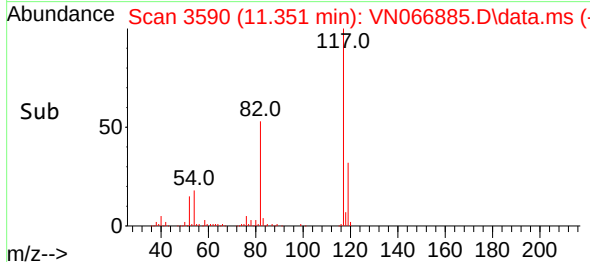
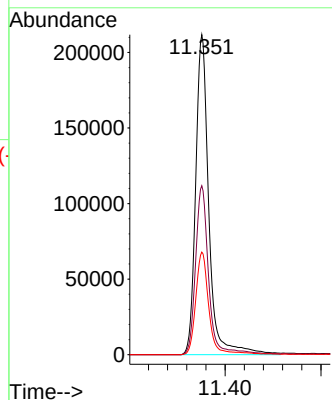
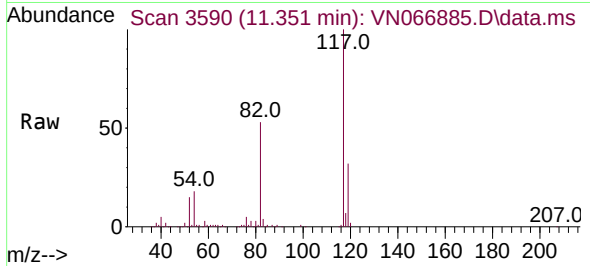




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.351 min Scan# 3590  
Delta R.T. 0.003 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

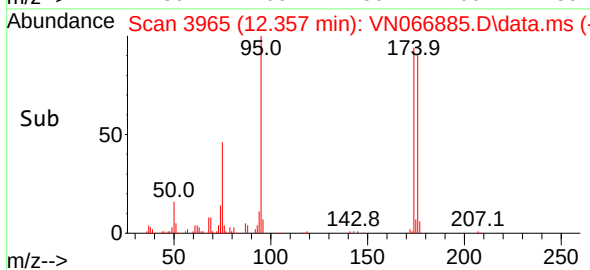
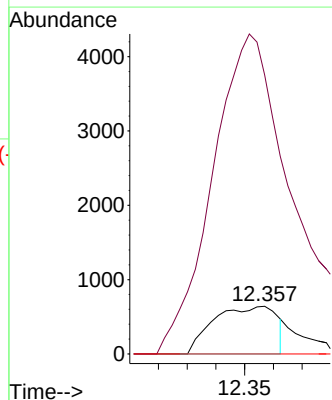
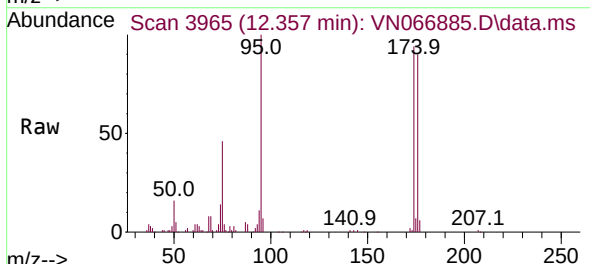
Instrument :  
MSVOA\_N  
ClientSampled :

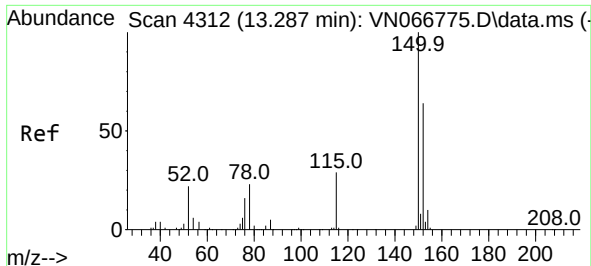
Tgt Ion:117 Resp: 405255  
Ion Ratio Lower Upper  
117 100  
82 52.8 43.7 65.5  
119 32.0 26.1 39.1



#71  
Bromoform  
Concen: 0.45 ug/l  
RT: 12.357 min Scan# 3965  
Delta R.T. 0.284 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

Tgt Ion:173 Resp: 983  
Ion Ratio Lower Upper  
173 100  
175 644.9 23.8 71.2#  
254 0.0 0.0 0.0

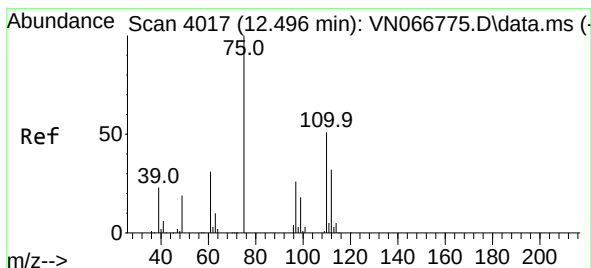
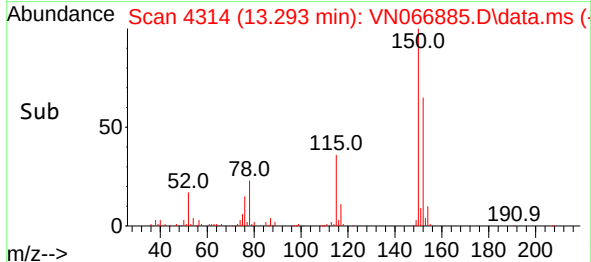
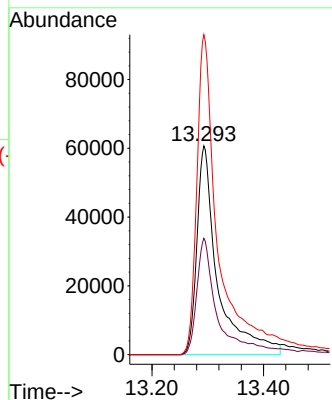
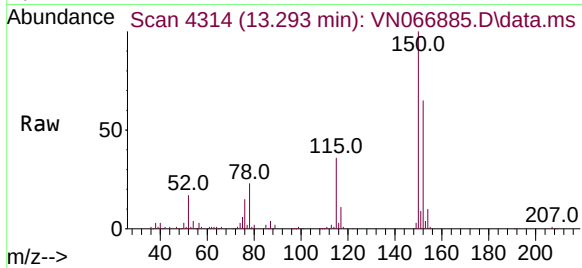




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.293 min Scan# 4314  
Delta R.T. 0.006 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

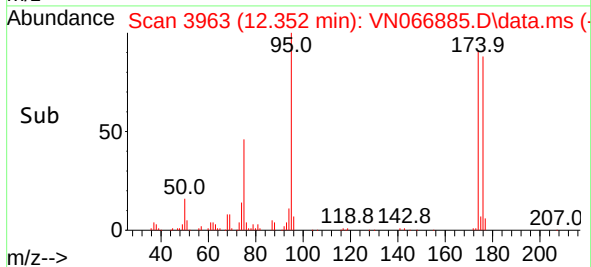
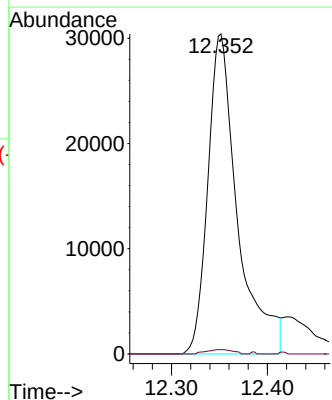
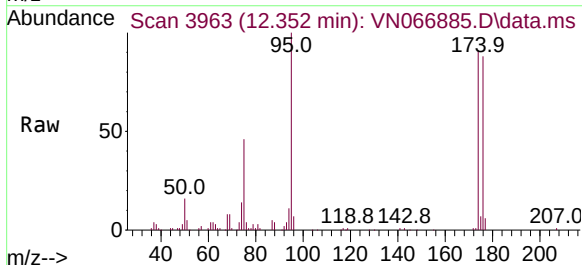
Instrument :  
MSVOA\_N  
ClientSampled :

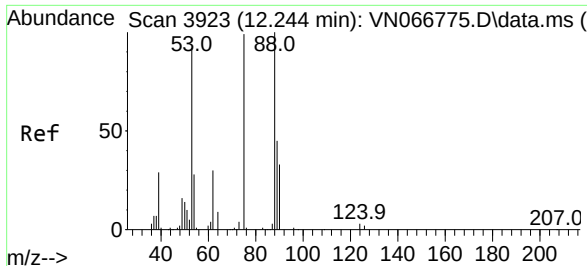
Tgt Ion:152 Resp: 158365  
Ion Ratio Lower Upper  
152 100  
115 50.6 28.5 85.6  
150 162.7 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 19.63 ug/l  
RT: 12.352 min Scan# 3963  
Delta R.T. -0.144 min  
Lab File: VN066885.D  
Acq: 30 Apr 2021 1:17

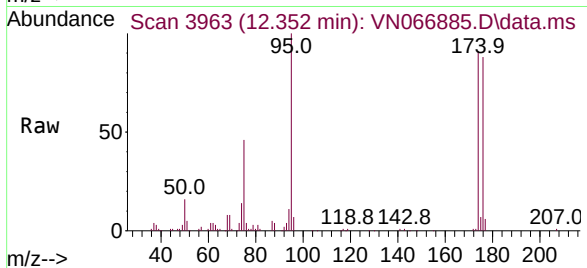
Tgt Ion: 75 Resp: 65519  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



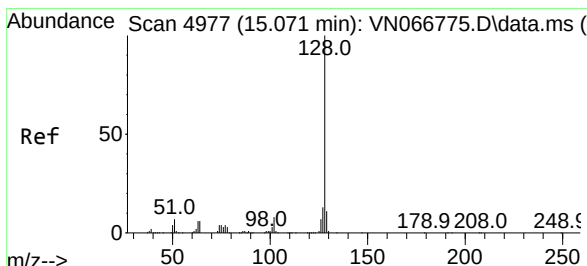
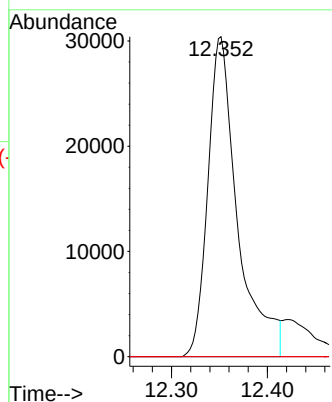
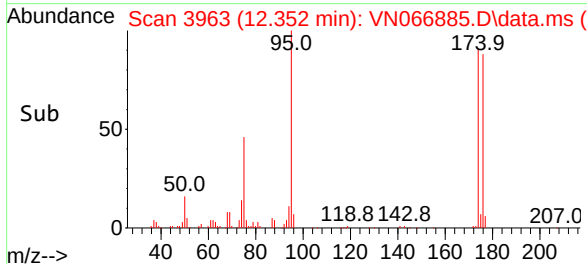


#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 54.16 ug/l  
 RT: 12.352 min Scan# 3963  
 Delta R.T. 0.108 min  
 Lab File: VN066885.D  
 Acq: 30 Apr 2021 1:17

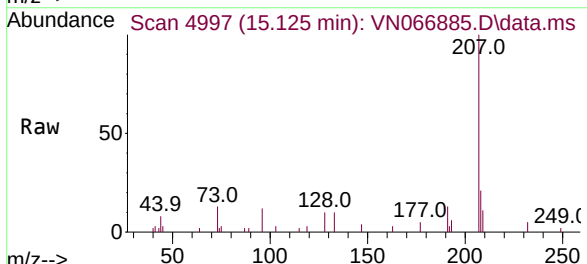
Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 75 Resp: 65519  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.6 111.8#  
 89 0.0 35.8 53.8#



#95  
 Naphthalene  
 Concen: 0.35 ug/l  
 RT: 15.125 min Scan# 4997  
 Delta R.T. 0.054 min  
 Lab File: VN066885.D  
 Acq: 30 Apr 2021 1:17



Tgt Ion: 128 Resp: 2461  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.2 15.2#  
 129 0.0 8.6 13.0#

