

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021121\  
 Data File : VN065810.D  
 Acq On : 11 Feb 2021 12:51  
 Operator : JC/MD  
 Sample : VN0211WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0211WBL01

Quant Time: Feb 11 13:33:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.624  | 168  | 163696   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.547  | 114  | 270372   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.376 | 117  | 237573   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.315 | 152  | 83941    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 7.984  | 65    | 89808    | 41.70    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 83.40%  |
| 35) Dibromofluoromethane    | 7.547  | 113   | 76658    | 47.85    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 95.70%  |
| 50) Toluene-d8              | 10.058 | 98    | 329257   | 52.28    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 104.56% |
| 62) 4-Bromofluorobenzene    | 12.373 | 95    | 103409   | 45.60    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 91.20%  |

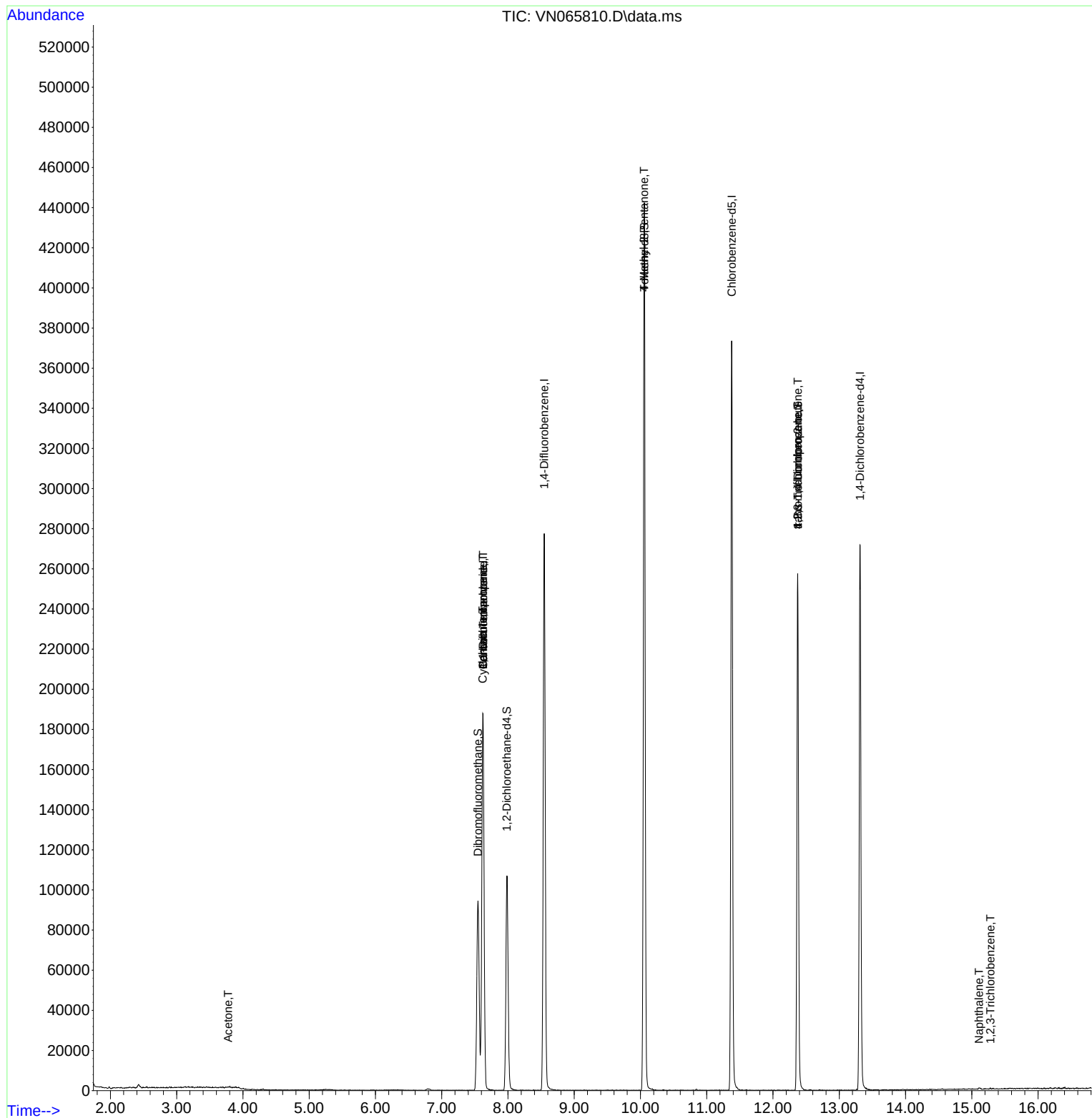
| Target Compounds              |        |     |       |       |        | Qvalue |
|-------------------------------|--------|-----|-------|-------|--------|--------|
| 16) Acetone                   | 3.775  | 43  | 236   | 0.28  | ug/l # | 41     |
| 31) Cyclohexane               | 7.618  | 56  | 2600  | 0.64  | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 7.621  | 75  | 11092 | 4.08  | ug/l # | 47     |
| 38) Carbon Tetrachloride      | 7.624  | 117 | 14804 | 6.61  | ug/l # | 17     |
| 51) 4-Methyl-2-Pentanone      | 10.055 | 43  | 1186  | 0.46  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 12.373 | 75  | 45841 | 20.88 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75  | 45841 | 53.49 | ug/l # | 12     |
| 95) Naphthalene               | 15.109 | 128 | 426   | 3.52  | ug/l # | 69     |
| 96) 1,2,3-Trichlorobenzene    | 15.283 | 180 | 135   | 2.92  | ug/l # | 70     |

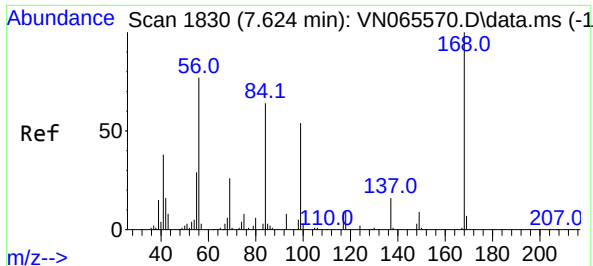
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021121\  
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Sample : VN0211WBL01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0211WBL01

Quant Time: Feb 11 13:33:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration

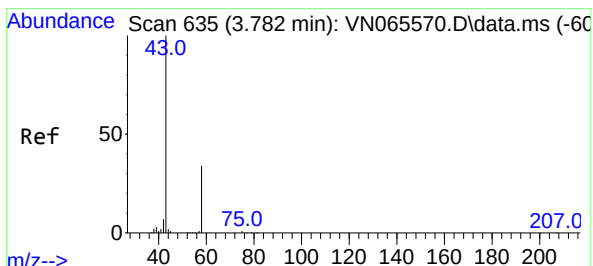
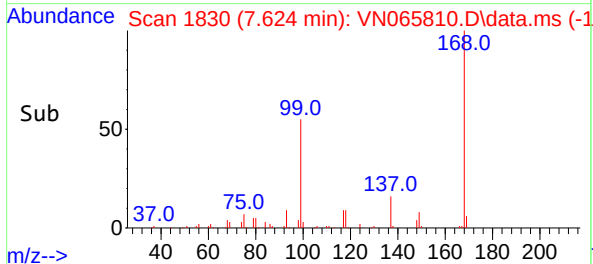
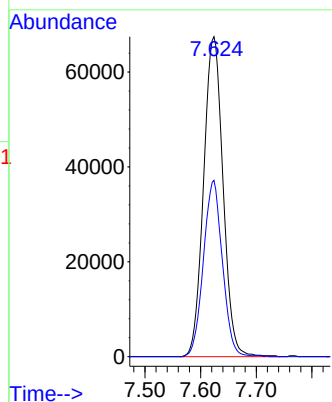
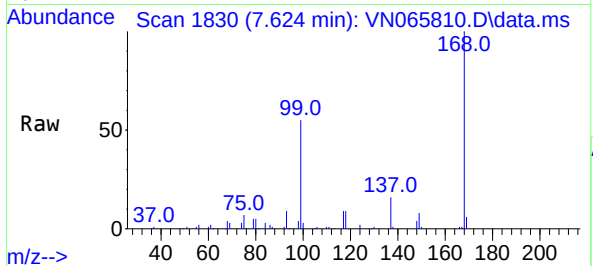




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.000 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

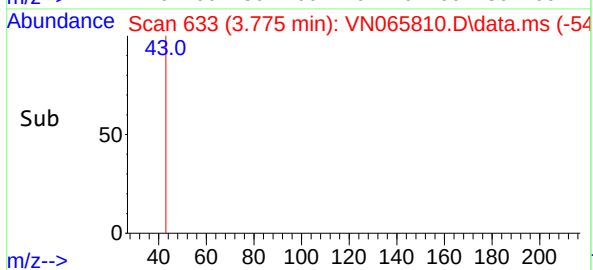
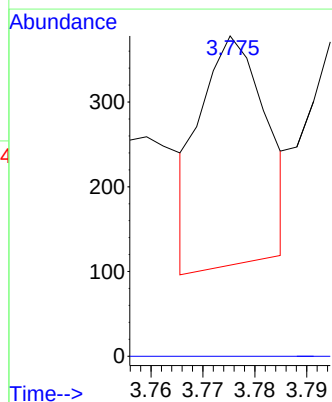
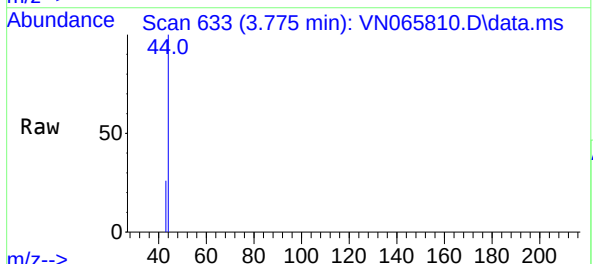
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0211WBL01

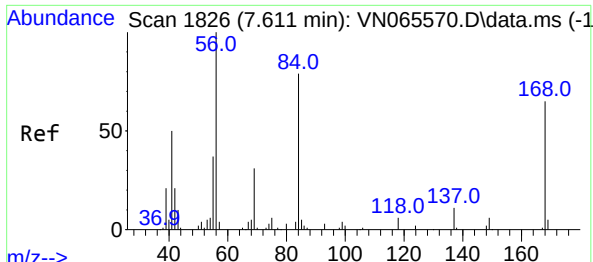
Tgt Ion:168 Resp: 163696  
Ion Ratio Lower Upper  
168 100  
99 55.1 42.6 63.8



#16  
Acetone  
Concen: 0.28 ug/l  
RT: 3.775 min Scan# 633  
Delta R.T. -0.007 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

Tgt Ion: 43 Resp: 236  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.6#

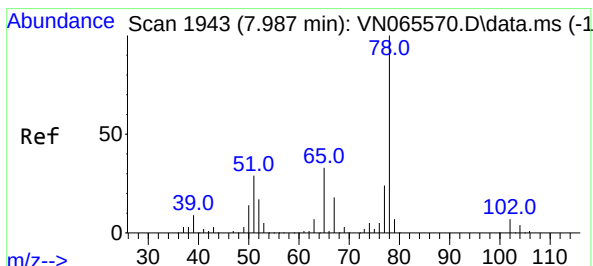
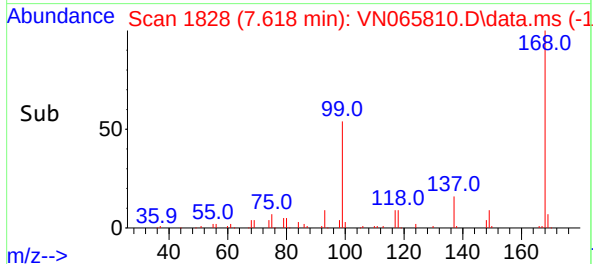
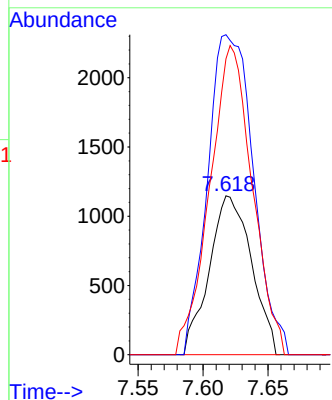
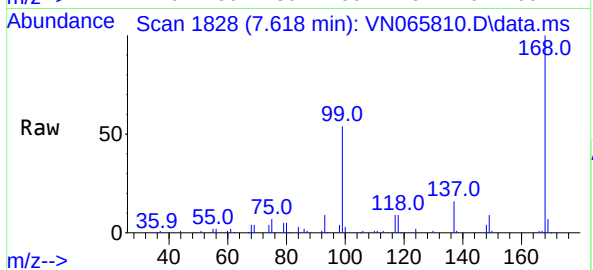




#31  
Cyclohexane  
Concen: 0.64 ug/l  
RT: 7.618 min Scan# 1828  
Delta R.T. 0.007 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

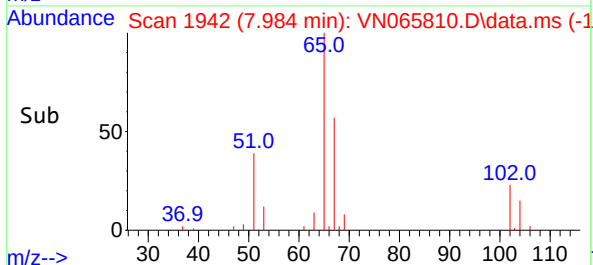
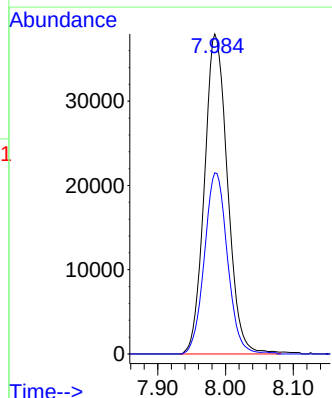
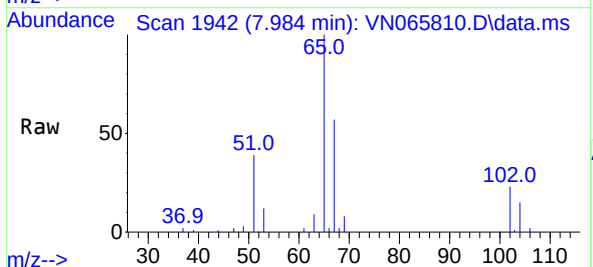
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0211WBL01

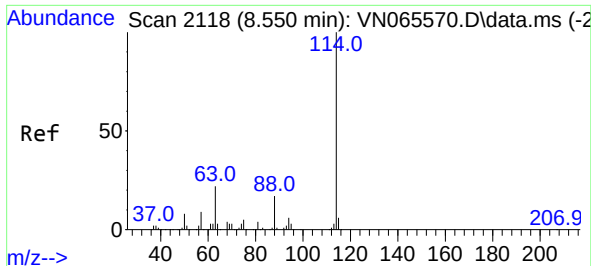
Tgt Ion: 56 Resp: 2600  
Ion Ratio Lower Upper  
56 100  
69 201.3 26.6 39.8#  
84 171.2 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 41.70 ug/l  
RT: 7.984 min Scan# 1942  
Delta R.T. -0.003 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

Tgt Ion: 65 Resp: 89808  
Ion Ratio Lower Upper  
65 100  
67 56.3 0.0 107.2



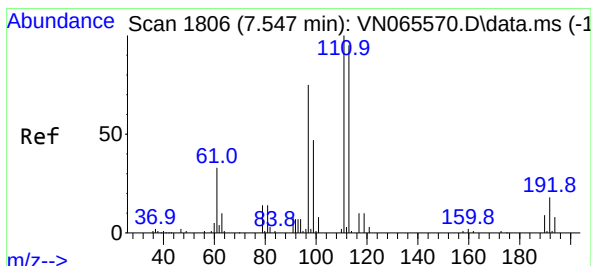
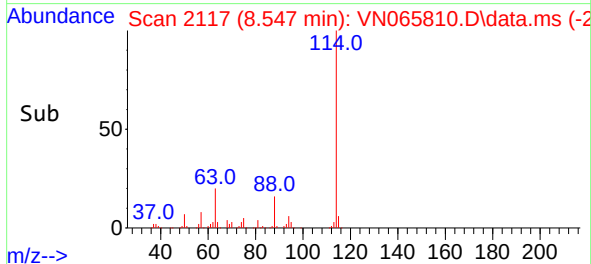
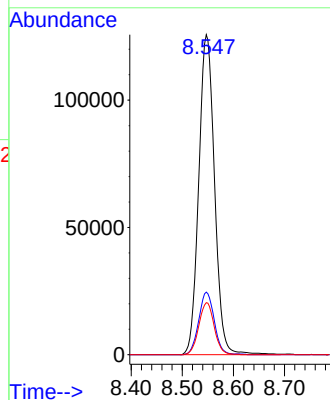
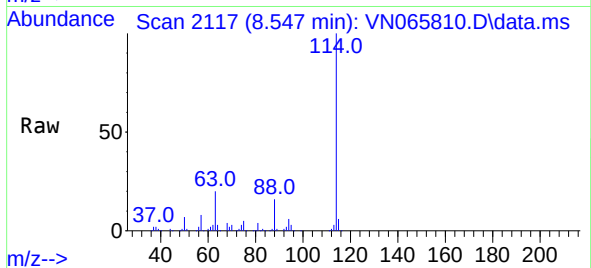


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0211WBL01

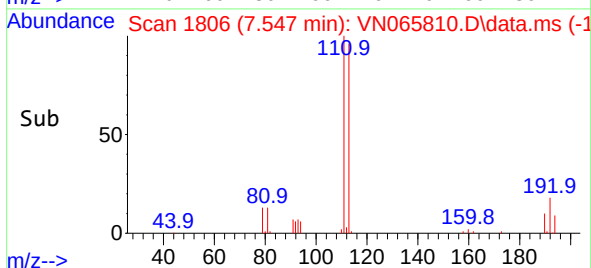
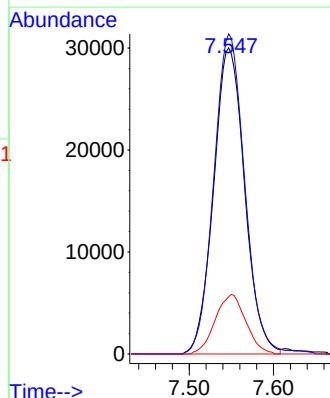
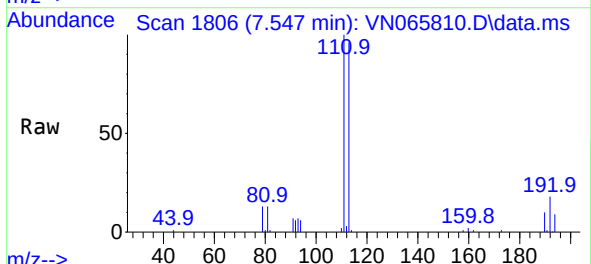
Tgt Ion:114 Resp: 270372  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 38.6  
88 16.2 0.0 30.6

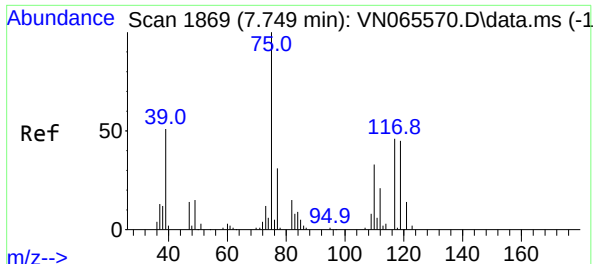


#35

Dibromofluoromethane  
Concen: 47.85 ug/l  
RT: 7.547 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

Tgt Ion:113 Resp: 76658  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.2 123.2  
192 19.2 15.4 23.0

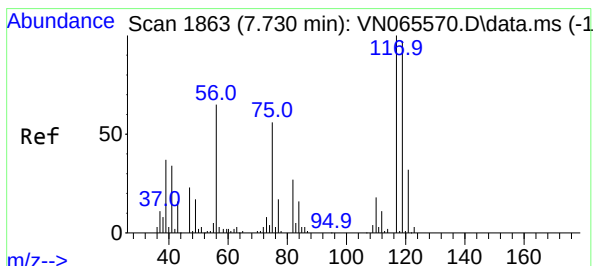
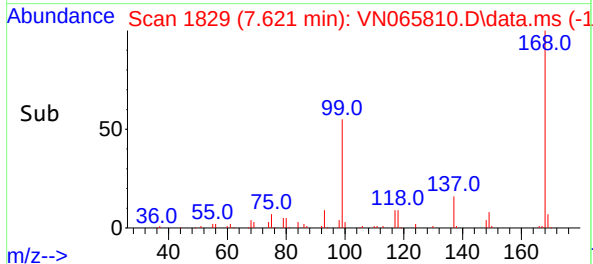
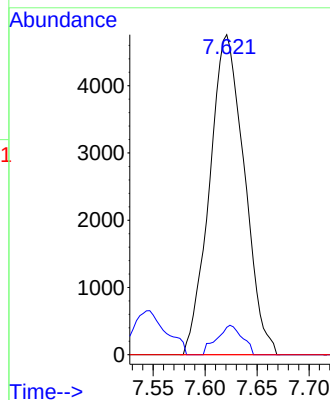
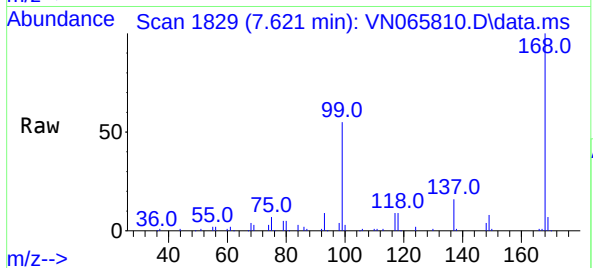




#36  
1,1-Dichloropropene  
Concen: 4.08 ug/l  
RT: 7.621 min Scan# 1829  
Delta R.T. -0.128 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

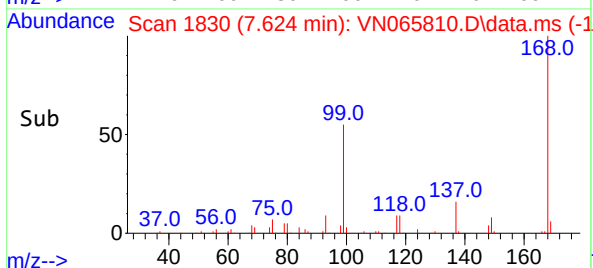
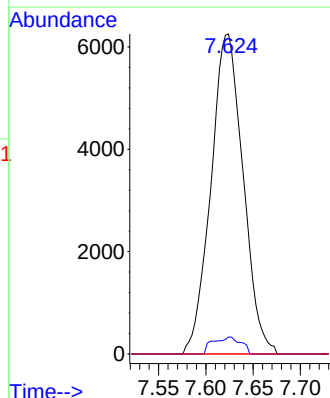
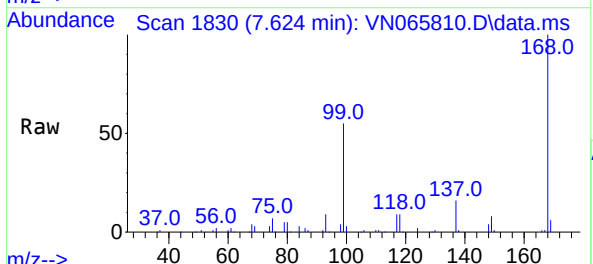
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0211WBL01

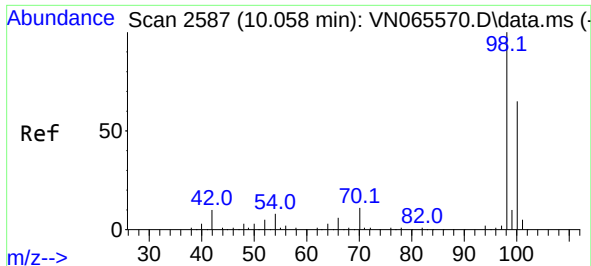
Tgt Ion: 75 Resp: 11092  
Ion Ratio Lower Upper  
75 100  
110 6.7 18.2 54.6#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 6.61 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.106 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

Tgt Ion: 117 Resp: 14804  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.0 114.0#  
121 0.0 24.5 36.7#

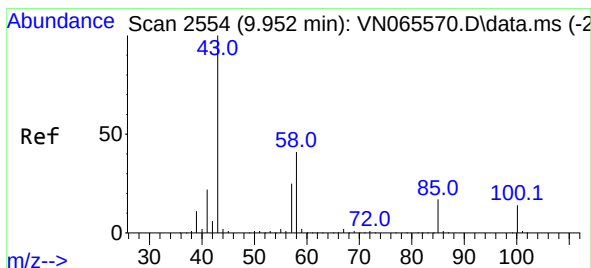
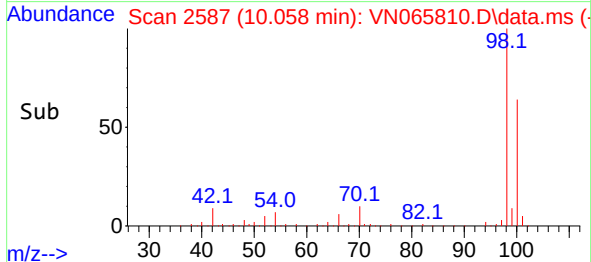
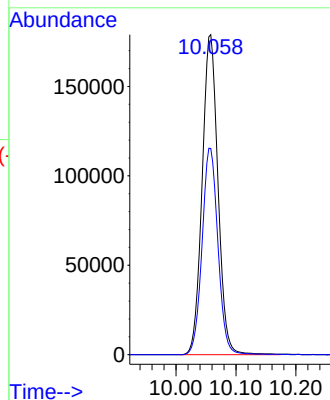
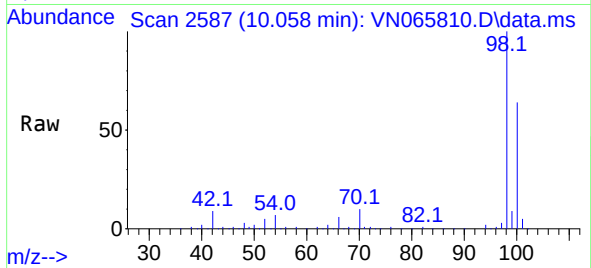




#50  
Toluene-d8  
Concen: 52.28 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

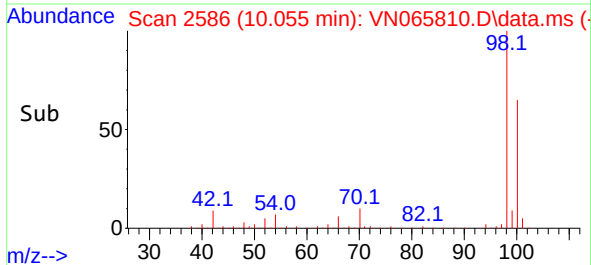
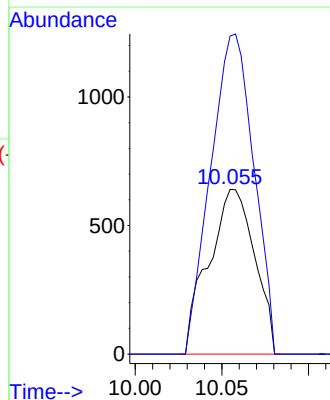
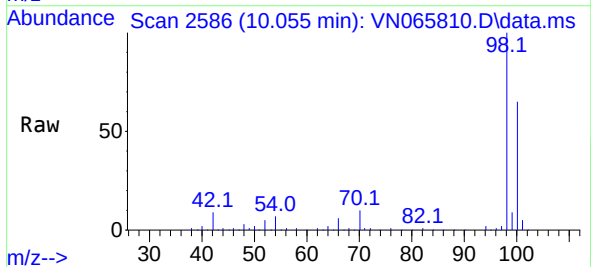
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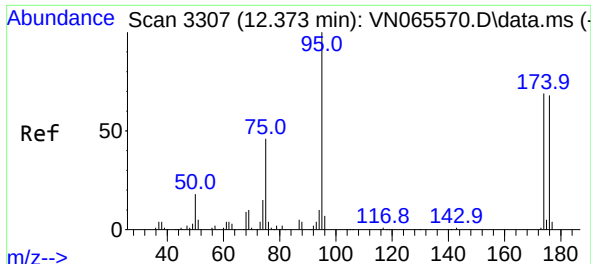
Tgt Ion: 98 Resp: 329257  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.46 ug/l  
RT: 10.055 min Scan# 2586  
Delta R.T. 0.103 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

Tgt Ion: 43 Resp: 1186  
Ion Ratio Lower Upper  
43 100  
58 182.2 32.5 48.7#

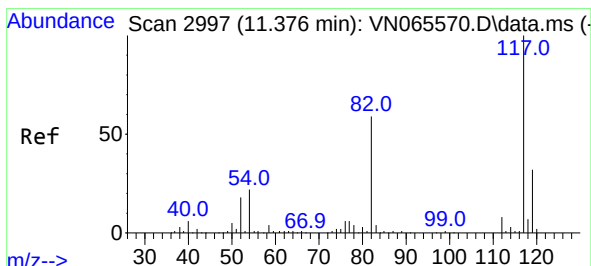
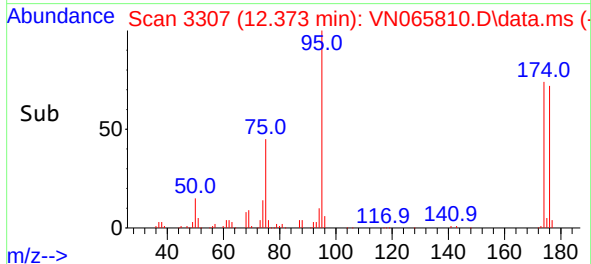
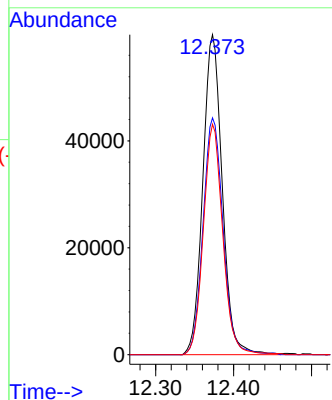
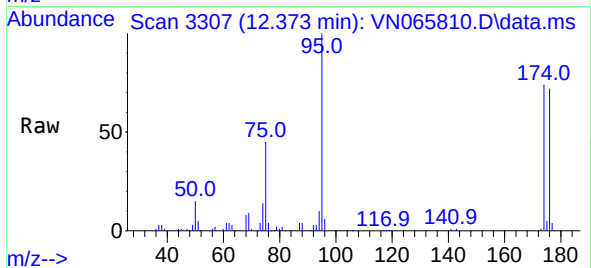




#62  
4-Bromofluorobenzene  
Concen: 45.60 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.000 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

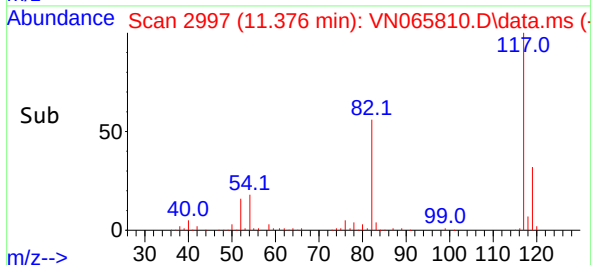
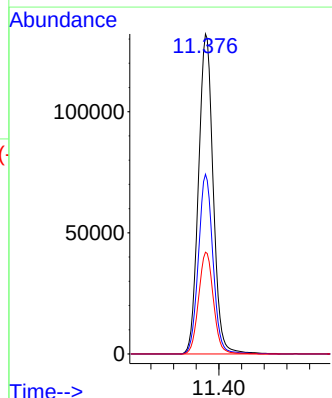
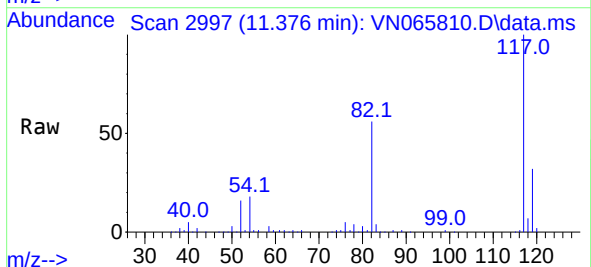
Instrument :  
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VN0211WBL01

Tgt Ion: 95 Resp: 103409  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 169.0  
176 72.0 0.0 162.4

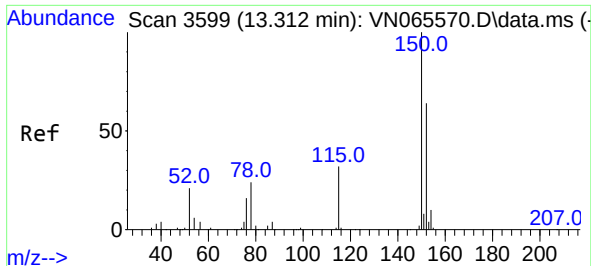


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

Tgt Ion: 117 Resp: 237573  
Ion Ratio Lower Upper  
117 100  
82 56.2 43.7 65.5  
119 31.8 26.1 39.1



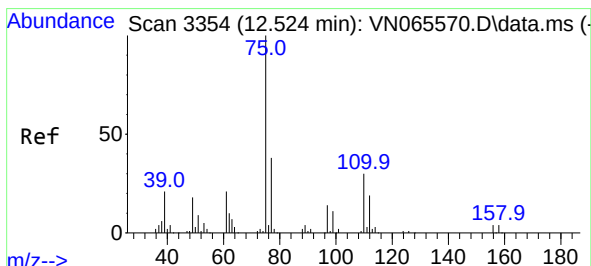
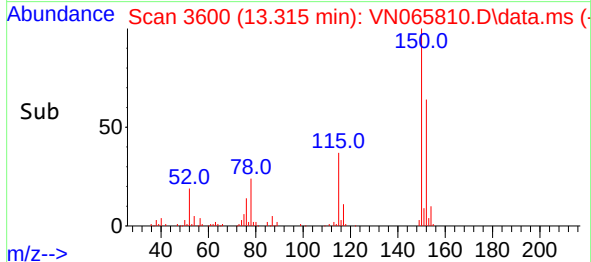
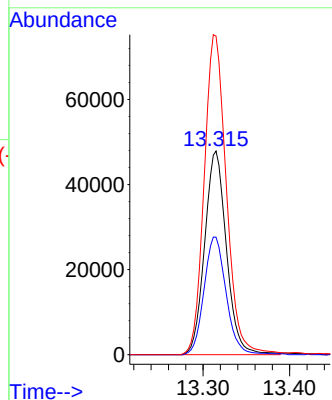
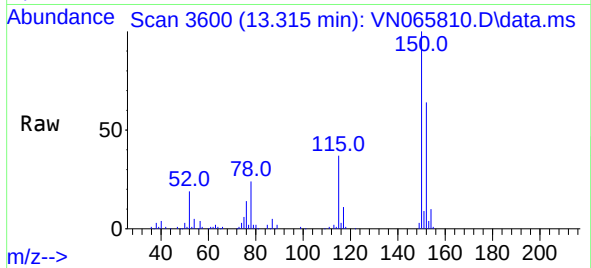




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

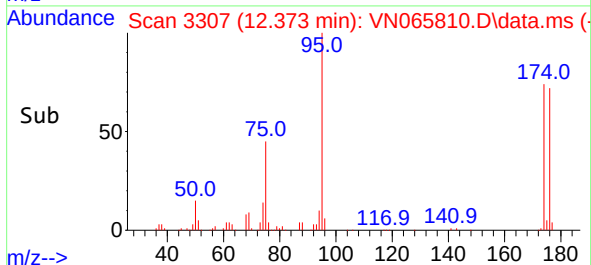
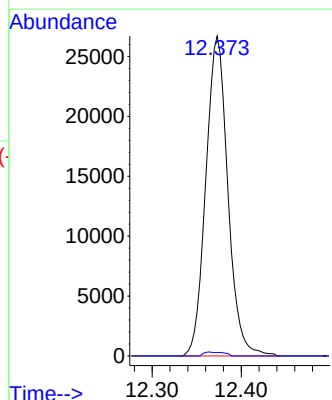
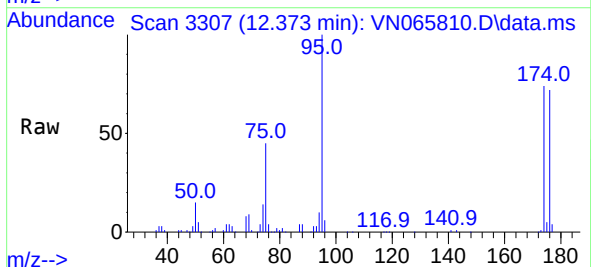
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0211WBL01

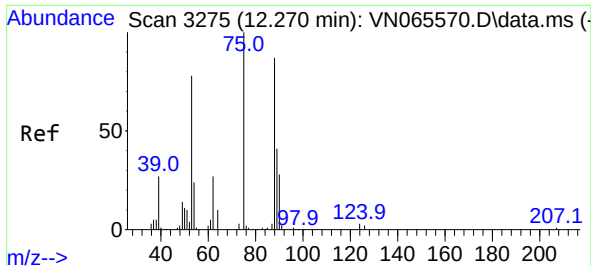
Tgt Ion:152 Resp: 83941  
Ion Ratio Lower Upper  
152 100  
115 58.6 28.5 85.6  
150 159.6 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 20.88 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

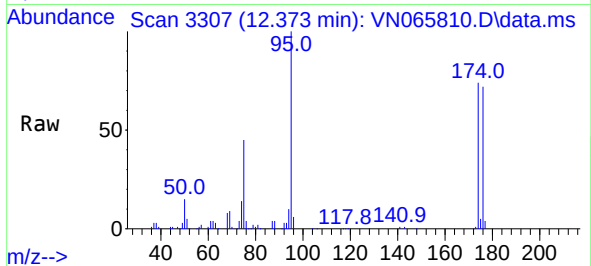
Tgt Ion: 75 Resp: 45841  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



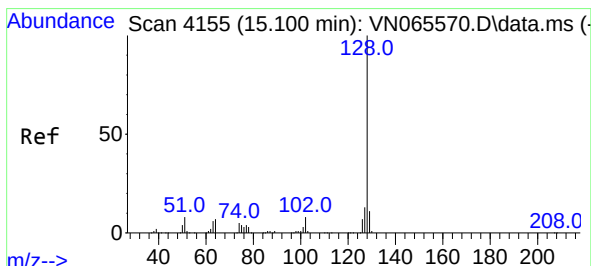
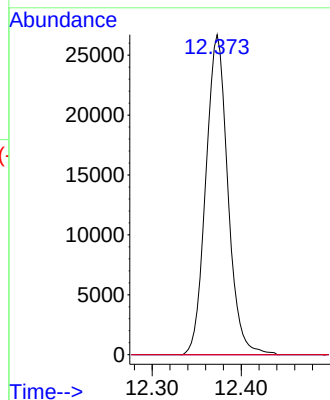
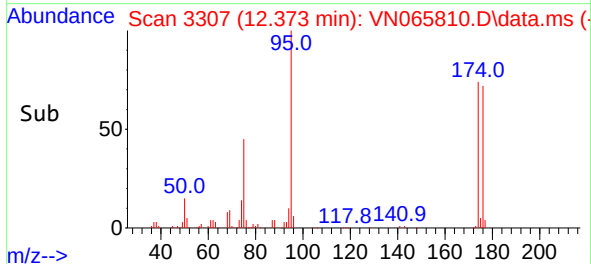


#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.49 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51

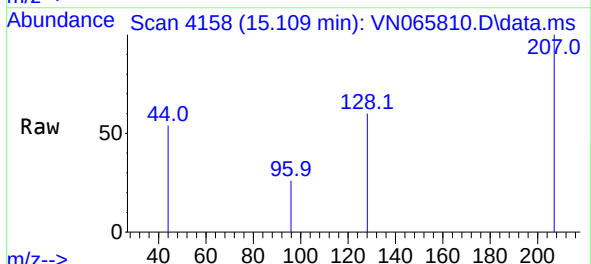
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0211WBL01



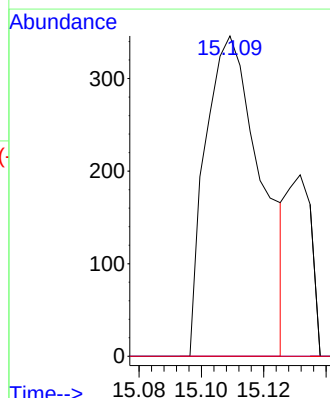
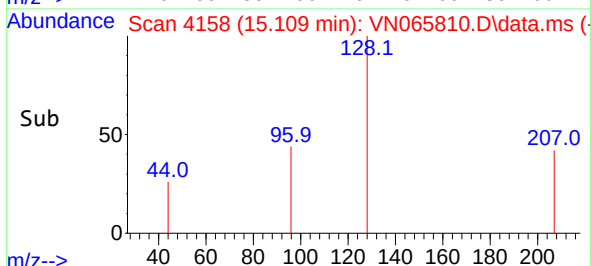
Tgt Ion: 75 Resp: 45841  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

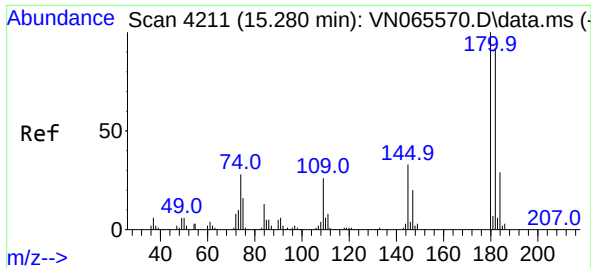


#95  
Naphthalene  
Concen: 3.52 ug/l  
RT: 15.109 min Scan# 4158  
Delta R.T. 0.009 min  
Lab File: VN065810.D  
Acq: 11 Feb 2021 12:51



Tgt Ion: 128 Resp: 426  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.6 13.0#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.92 ug/l  
 RT: 15.283 min Scan# 4212  
 Delta R.T. 0.003 min  
 Lab File: VN065810.D  
 Acq: 11 Feb 2021 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0211WBL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 135   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 74.8  | 47.4  | 142.3 |
| 145      | 0.0   | 16.5  | 49.5# |

