

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102121\  
 Data File : VN069094.D  
 Acq On : 21 Oct 2021 17:43  
 Operator : JC/MD  
 Sample : M4299-06 100X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 22 01:34:20 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.088  | 168  | 336144   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.971  | 114  | 586644   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.747 | 117  | 554112   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.678 | 152  | 223679   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 218774   | 49.363   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 98.720%  |
| 35) Dibromofluoromethane    | 8.027  | 113   | 172527   | 50.548   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 101.100% |
| 50) Toluene-d8              | 10.443 | 98    | 732864   | 53.664   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 107.320% |
| 62) 4-Bromofluorobenzene    | 12.734 | 95    | 267648   | 51.946   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 103.900% |

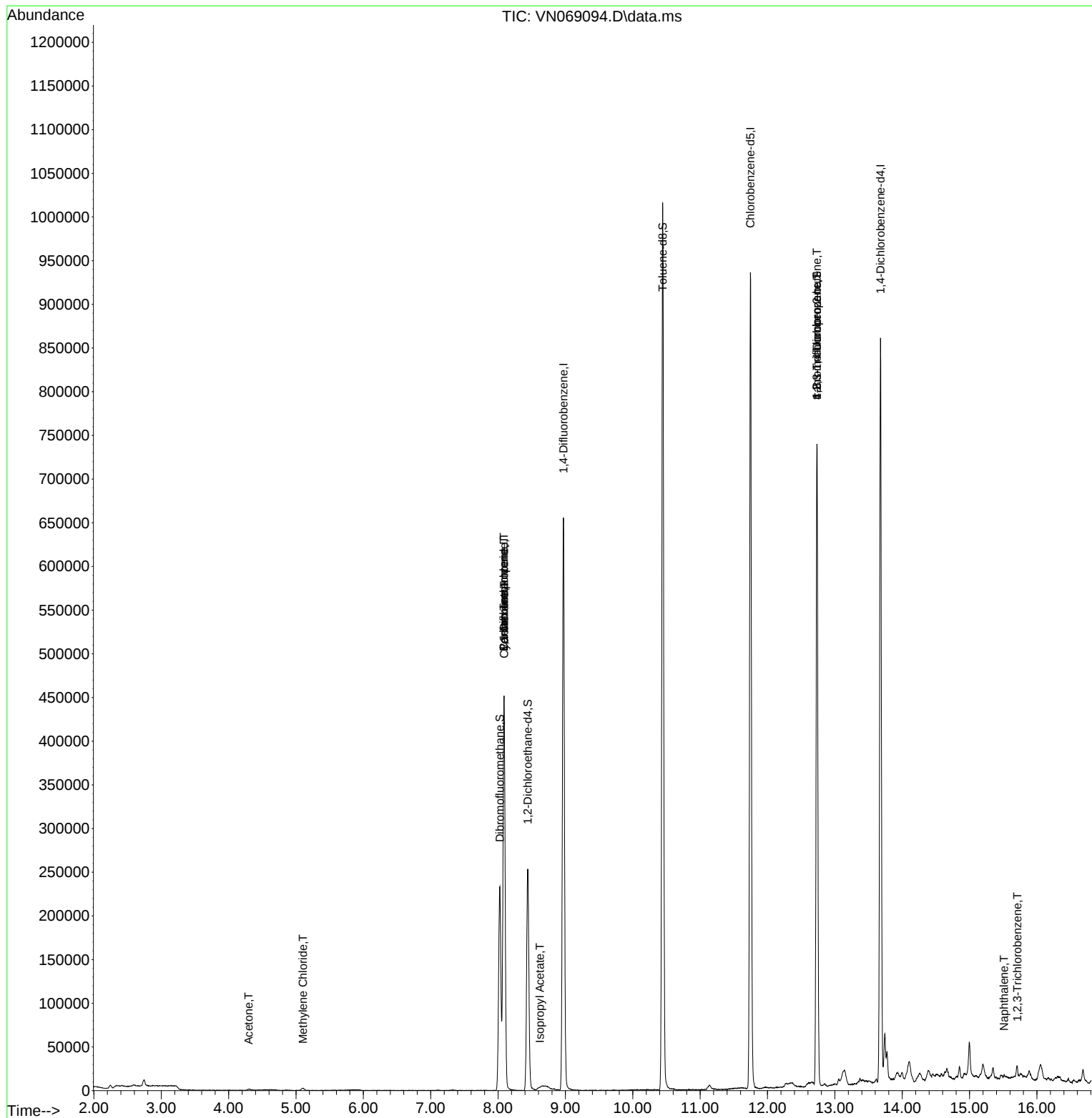
| Target Compounds              |        |     |        |        | Qvalue |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| 16) Acetone                   | 4.296  | 43  | 2245   | 1.357  | ug/l   | 100 |
| 20) Methylene Chloride        | 5.103  | 84  | 2159   | 0.567  | ug/l   | 88  |
| 31) Cyclohexane               | 8.091  | 56  | 7897   | 1.146  | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 8.088  | 75  | 28494  | 5.686  | ug/l # | 49  |
| 38) Carbon Tetrachloride      | 8.088  | 117 | 35112  | 6.380  | ug/l # | 16  |
| 43) Isopropyl Acetate         | 8.622  | 43  | 2930   | 0.321  | ug/l # | 55  |
| 76) 1,2,3-Trichloropropane    | 12.734 | 75  | 141348 | 29.700 | ug/l # | 1   |
| 81) trans-1,4-Dichloro-2-b... | 12.734 | 75  | 141348 | 71.055 | ug/l # | 12  |
| 95) Naphthalene               | 15.512 | 128 | 2910   | 4.071  | ug/l # | 82  |
| 96) 1,2,3-Trichlorobenzene    | 15.708 | 180 | 50     | 2.527  | ug/l # | 1   |

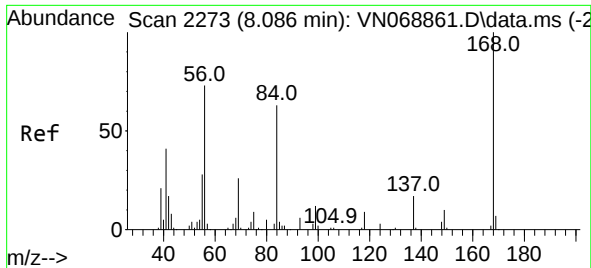
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 22 01:34:20 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 2021  
Response via : Initial Calibration

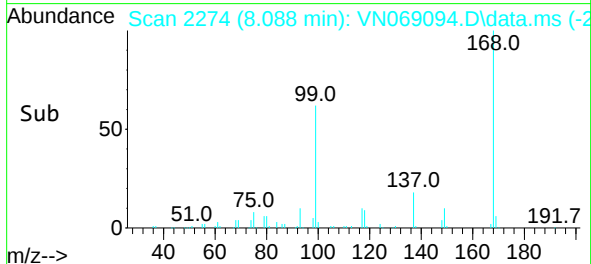
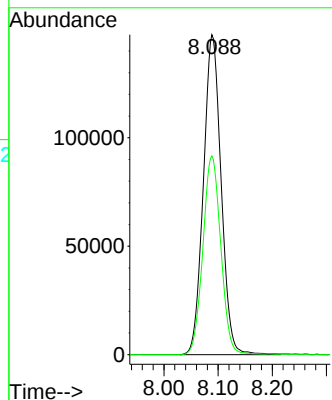
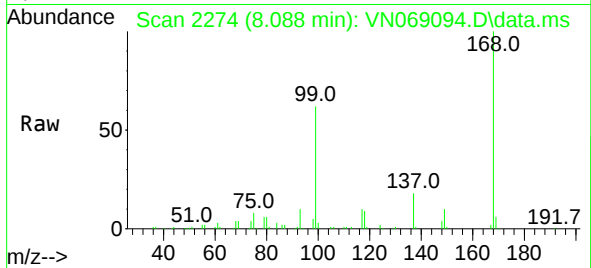




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

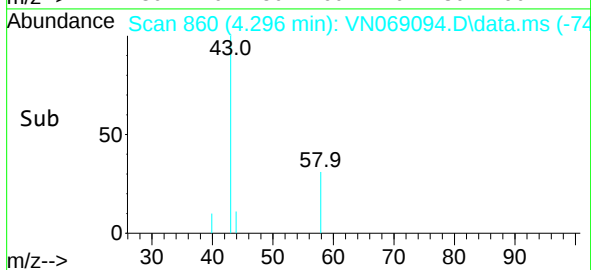
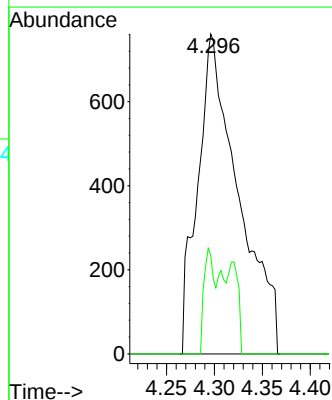
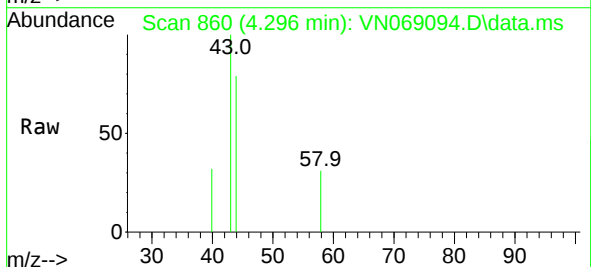
Instrument :  
MSVOA\_N  
ClientSampled :

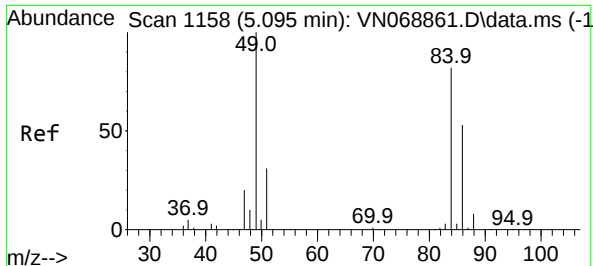
Tgt Ion:168 Resp: 336144  
Ion Ratio Lower Upper  
168 100  
99 62.2 48.9 73.3



#16  
Acetone  
Concen: 1.357 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.011 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

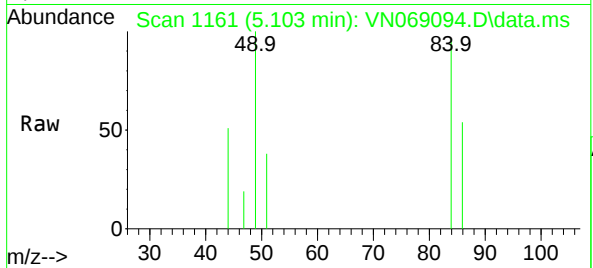
Tgt Ion: 43 Resp: 2245  
Ion Ratio Lower Upper  
43 100  
58 30.7 24.5 36.7



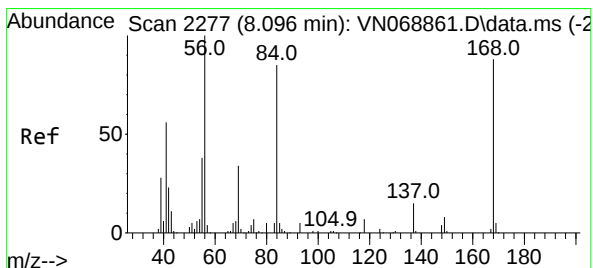
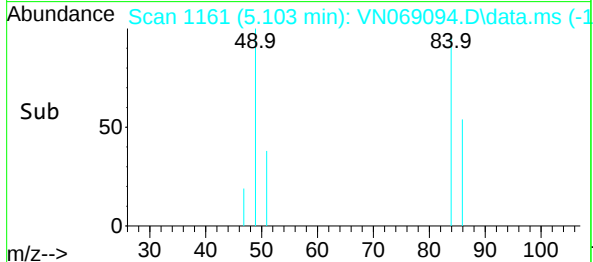
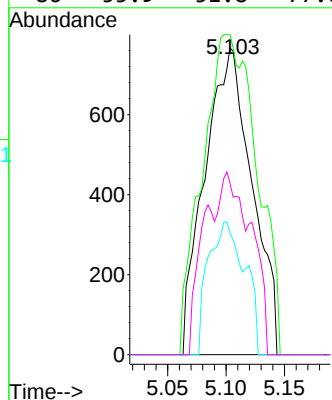


#20  
Methylene Chloride  
Concen: 0.567 ug/l  
RT: 5.103 min Scan# 1161  
Delta R.T. 0.008 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

Instrument :  
MSVOA\_N  
ClientSampled :

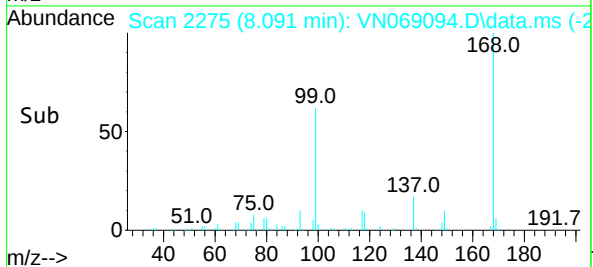
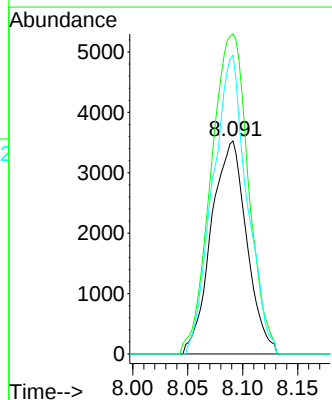
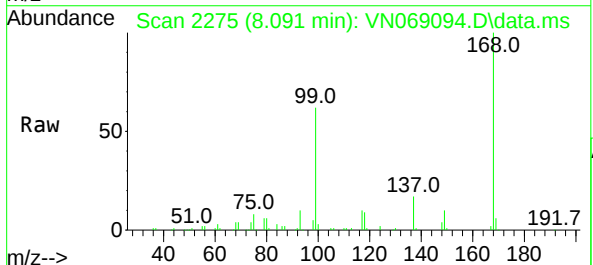


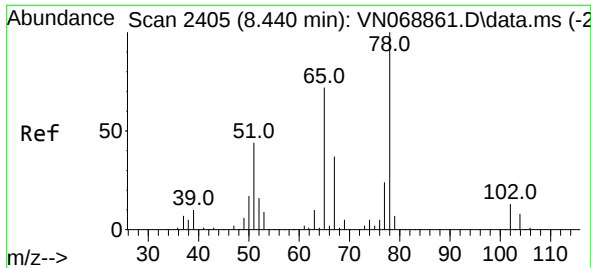
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2159  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.3 | 97.6  | 146.4 |
| 51       | 39.6  | 30.3  | 45.5  |
| 86       | 55.9  | 51.8  | 77.6  |



#31  
Cyclohexane  
Concen: 1.146 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.005 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 7897   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 150.3 | 26.9  | 40.3#  |
| 84       | 140.2 | 67.6  | 101.4# |

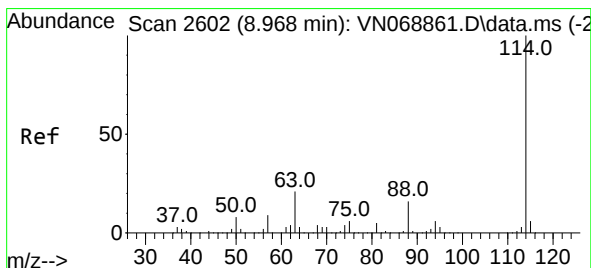
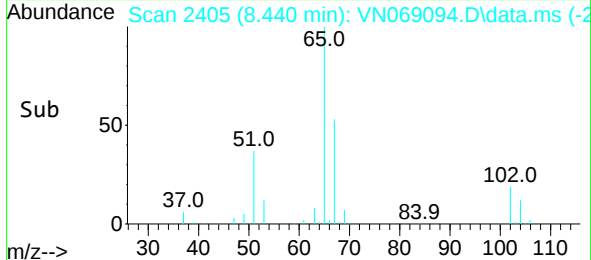
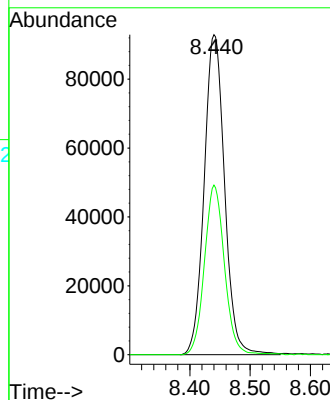
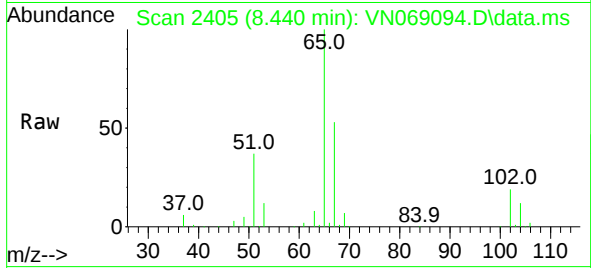




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.363 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. 0.000 min  
 Lab File: VN069094.D  
 Acq: 21 Oct 2021 17:43

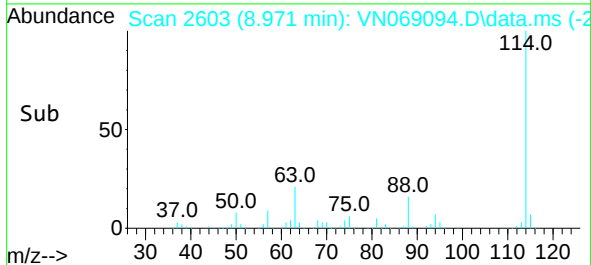
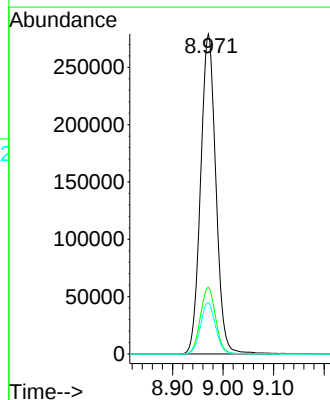
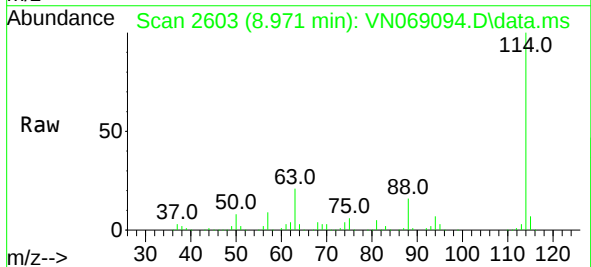
Instrument :  
 MSVOA\_N  
 ClientSampled :

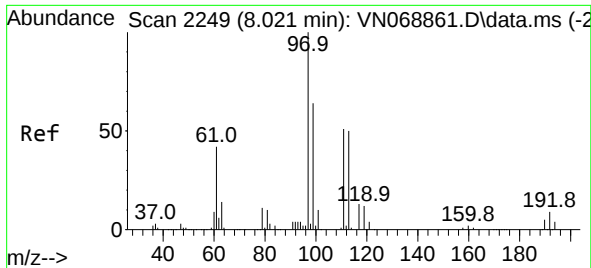
Tgt Ion: 65 Resp: 218774  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. 0.003 min  
 Lab File: VN069094.D  
 Acq: 21 Oct 2021 17:43

Tgt Ion: 114 Resp: 586644  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 42.6  
 88 16.0 0.0 32.0

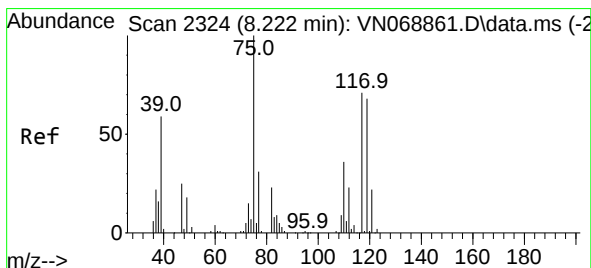
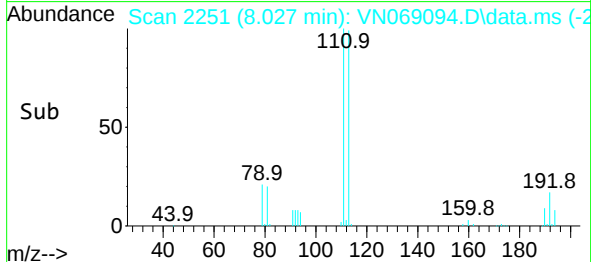
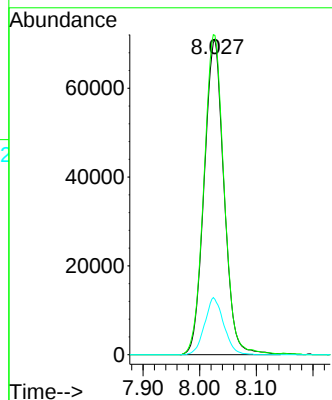
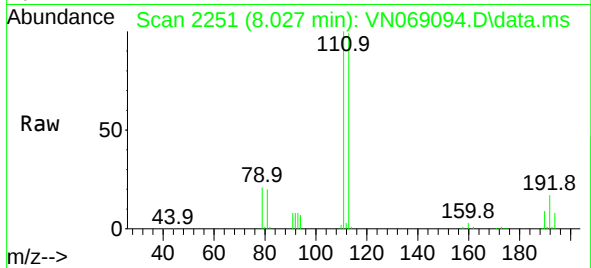




#35  
Dibromofluoromethane  
Concen: 50.548 ug/l  
RT: 8.027 min Scan# 2251  
Delta R.T. 0.005 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

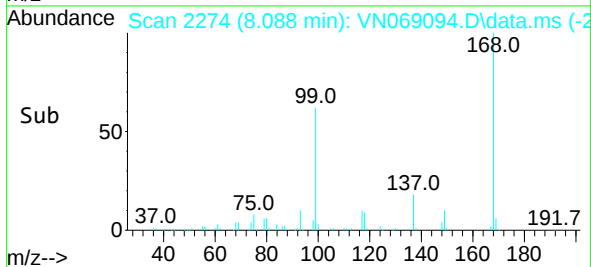
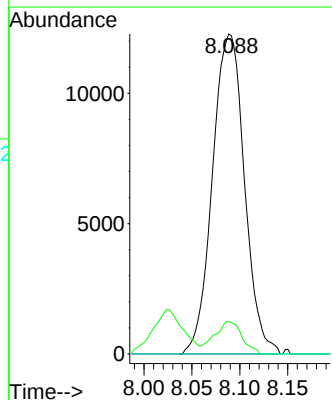
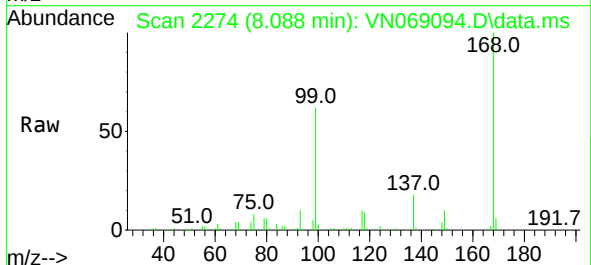
Instrument :  
MSVOA\_N  
ClientSampled :

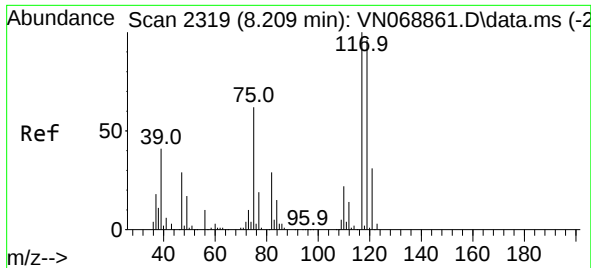
Tgt Ion:113 Resp: 172527  
Ion Ratio Lower Upper  
113 100  
111 103.1 83.2 124.8  
192 17.5 15.0 22.4



#36  
1,1-Dichloropropene  
Concen: 5.686 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.134 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

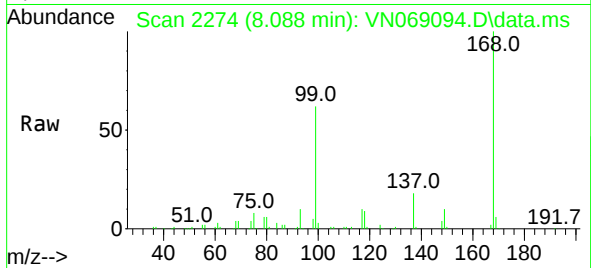
Tgt Ion: 75 Resp: 28494  
Ion Ratio Lower Upper  
75 100  
110 8.8 17.9 53.8#  
77 0.0 24.7 37.1#



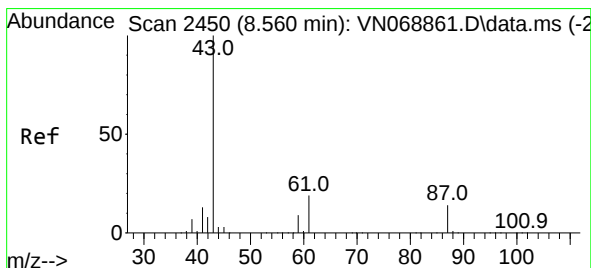
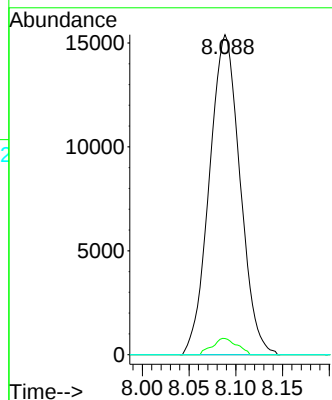
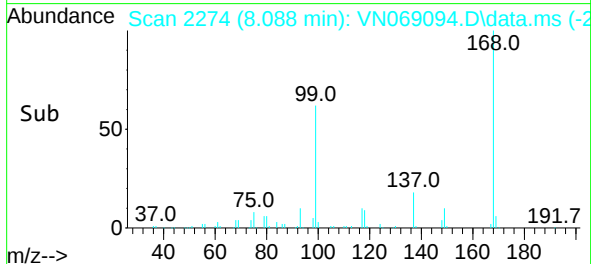


#38  
Carbon Tetrachloride  
Concen: 6.380 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

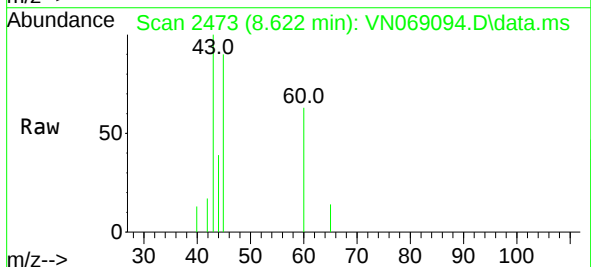
Instrument :  
MSVOA\_N  
ClientSampled :



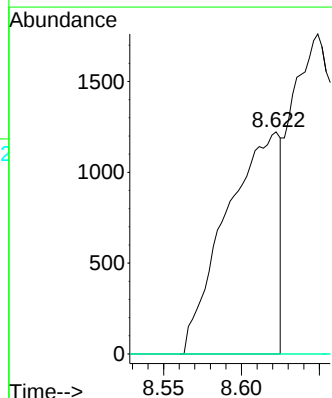
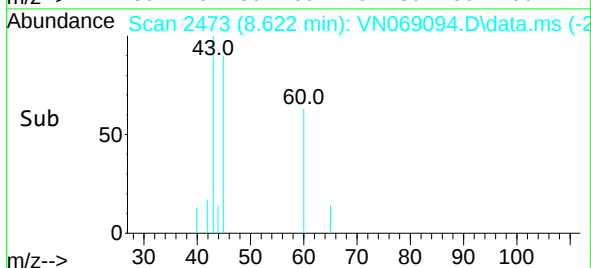
Tgt Ion:117 Resp: 35112  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.9 115.3#  
121 0.0 24.6 37.0#

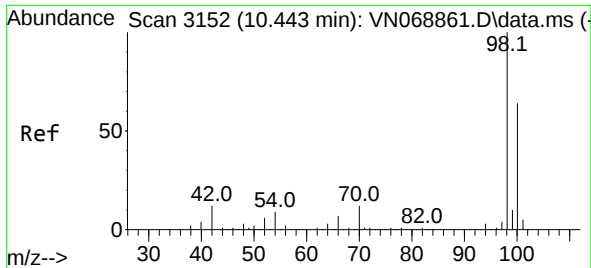


#43  
Isopropyl Acetate  
Concen: 0.321 ug/l  
RT: 8.622 min Scan# 2473  
Delta R.T. 0.062 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43



Tgt Ion: 43 Resp: 2930  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 10.7 16.1#

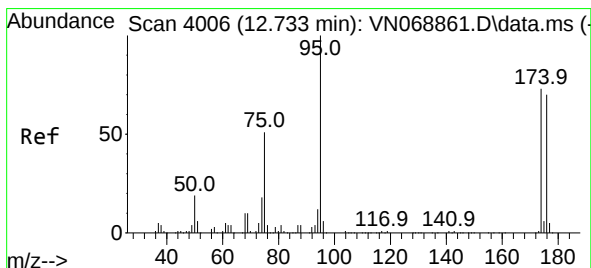
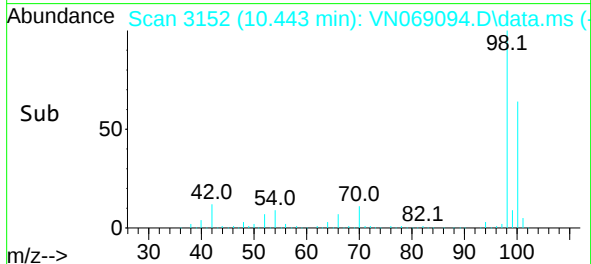
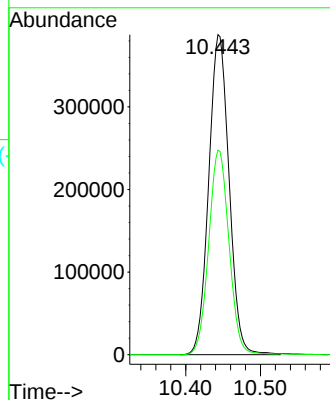
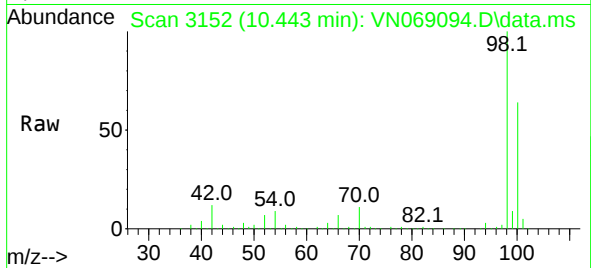




#50  
Toluene-d8  
Concen: 53.664 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

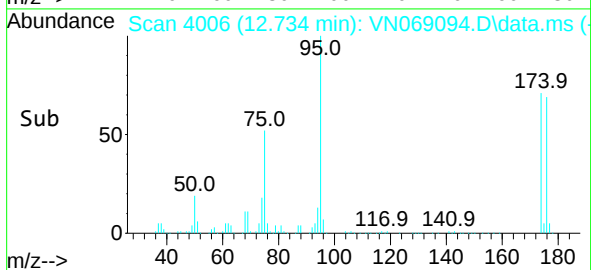
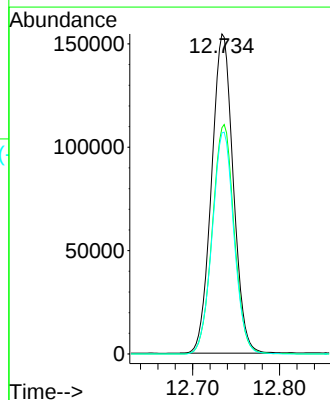
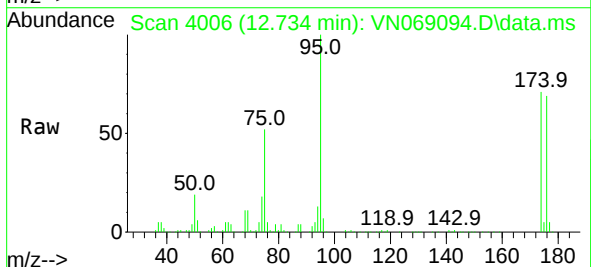
Instrument :  
MSVOA\_N  
ClientSampled :

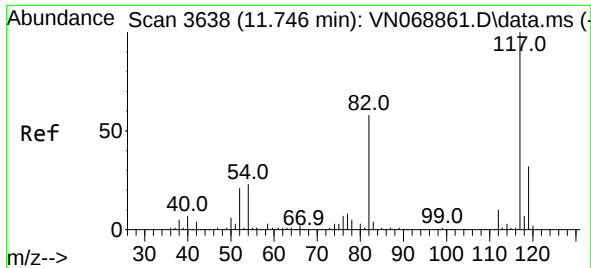
Tgt Ion: 98 Resp: 732864  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 51.946 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

Tgt Ion: 95 Resp: 267648  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 144.8  
176 70.0 0.0 140.0

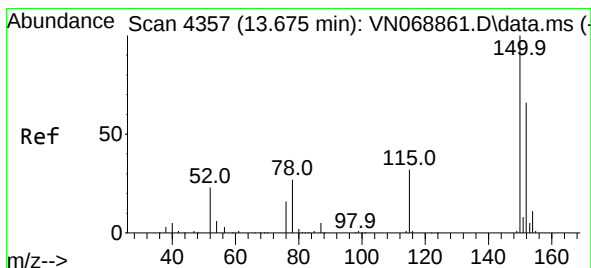
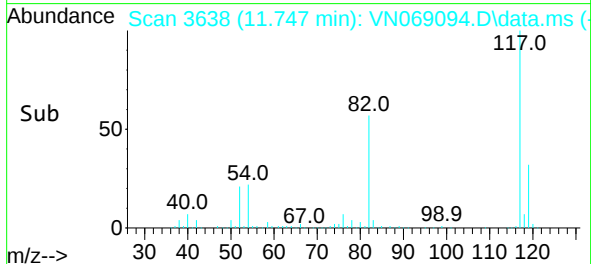
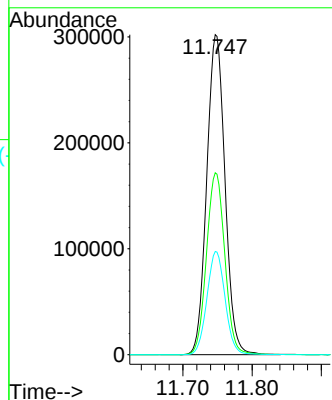
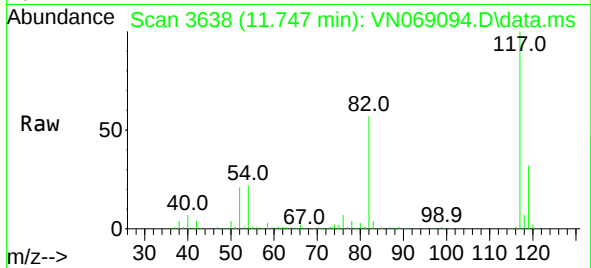




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

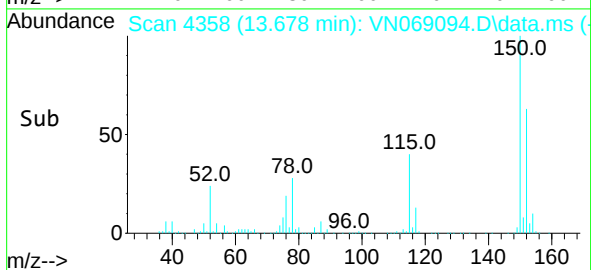
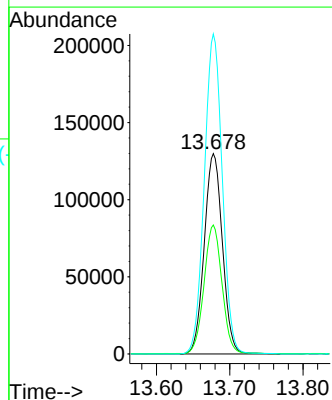
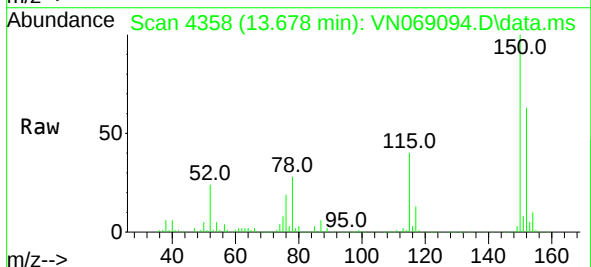
Instrument :  
MSVOA\_N  
ClientSampleId :

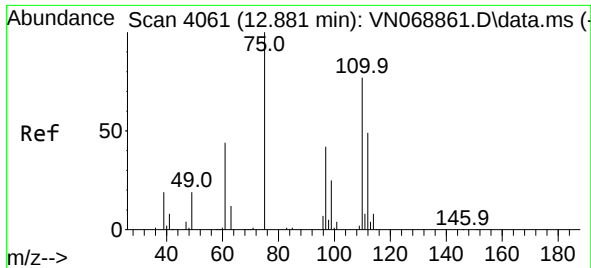
Tgt Ion:117 Resp: 554112  
Ion Ratio Lower Upper  
117 100  
82 56.8 46.4 69.6  
119 32.3 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

Tgt Ion:152 Resp: 223679  
Ion Ratio Lower Upper  
152 100  
115 63.4 31.4 94.3  
150 157.8 0.0 351.0

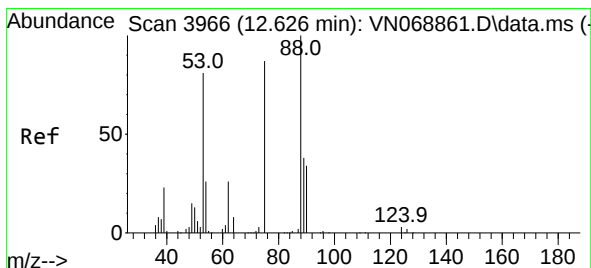
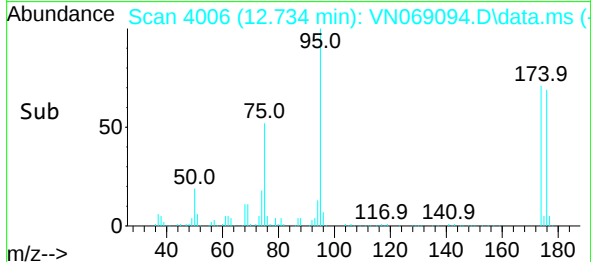
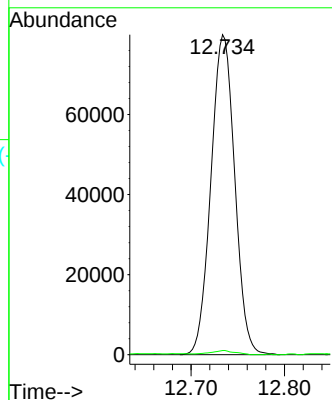
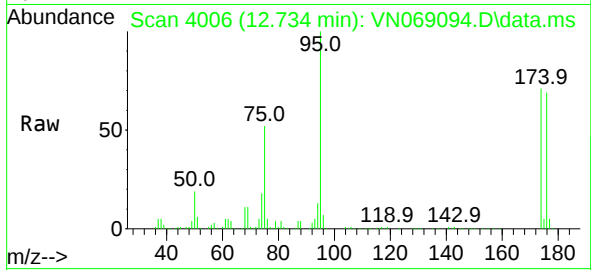




#76  
1,2,3-Trichloropropane  
Concen: 29.700 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.147 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

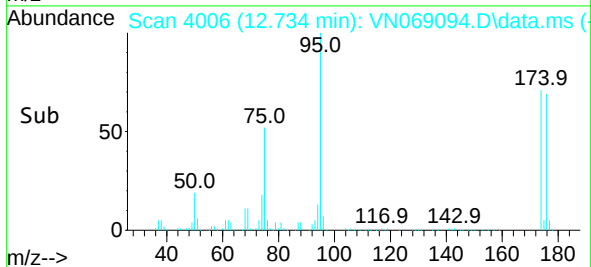
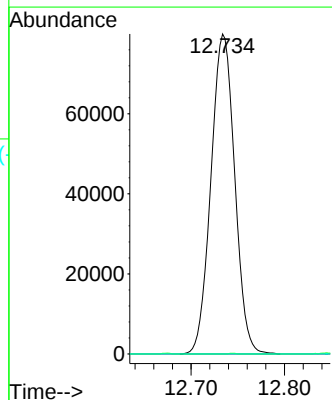
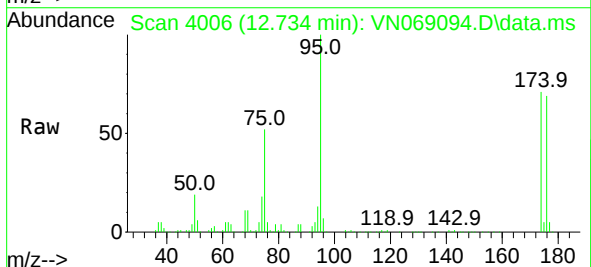
Instrument :  
MSVOA\_N  
ClientSampled :

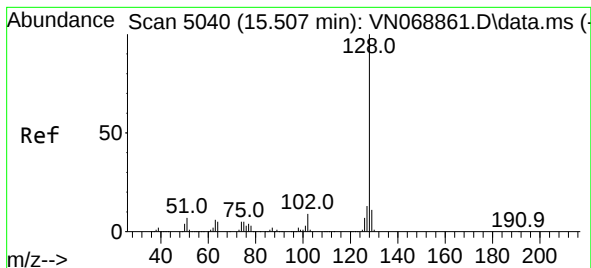
Tgt Ion: 75 Resp: 141348  
Ion Ratio Lower Upper  
75 100  
77 1.3 96.2 288.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.055 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

Tgt Ion: 75 Resp: 141348  
Ion Ratio Lower Upper  
75 100  
53 0.1 75.4 113.2#  
89 0.0 36.9 55.3#

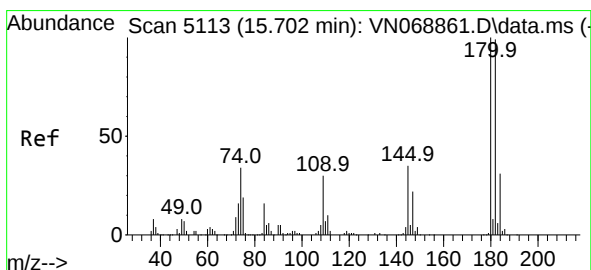
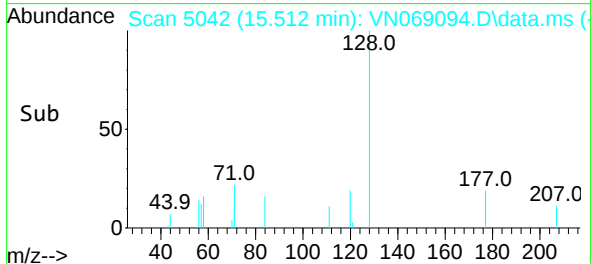
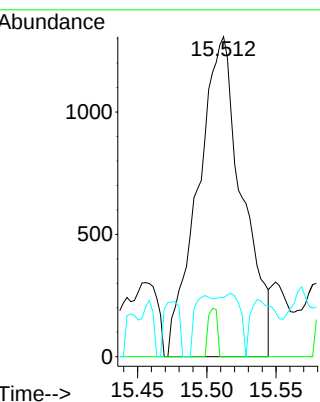
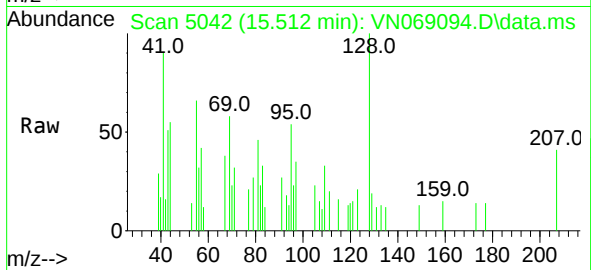




#95  
Naphthalene  
Concen: 4.071 ug/l  
RT: 15.512 min Scan# 5042  
Delta R.T. 0.005 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion:128 Resp: 2910  
Ion Ratio Lower Upper  
128 100  
127 3.1 10.5 15.7#  
129 7.7 8.9 13.3#



#96  
1,2,3-Trichlorobenzene  
Concen: 2.527 ug/l  
RT: 15.708 min Scan# 5115  
Delta R.T. 0.006 min  
Lab File: VN069094.D  
Acq: 21 Oct 2021 17:43

Tgt Ion:180 Resp: 50  
Ion Ratio Lower Upper  
180 100  
182 0.0 48.1 144.3#  
145 488.0 17.4 52.2#

