

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120321\  
 Data File : VN069725.D  
 Acq On : 3 Dec 2021 18:12  
 Operator : JC/MD  
 Sample : M4922-21  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE117D2-20211130

Quant Time: Dec 04 05:34:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

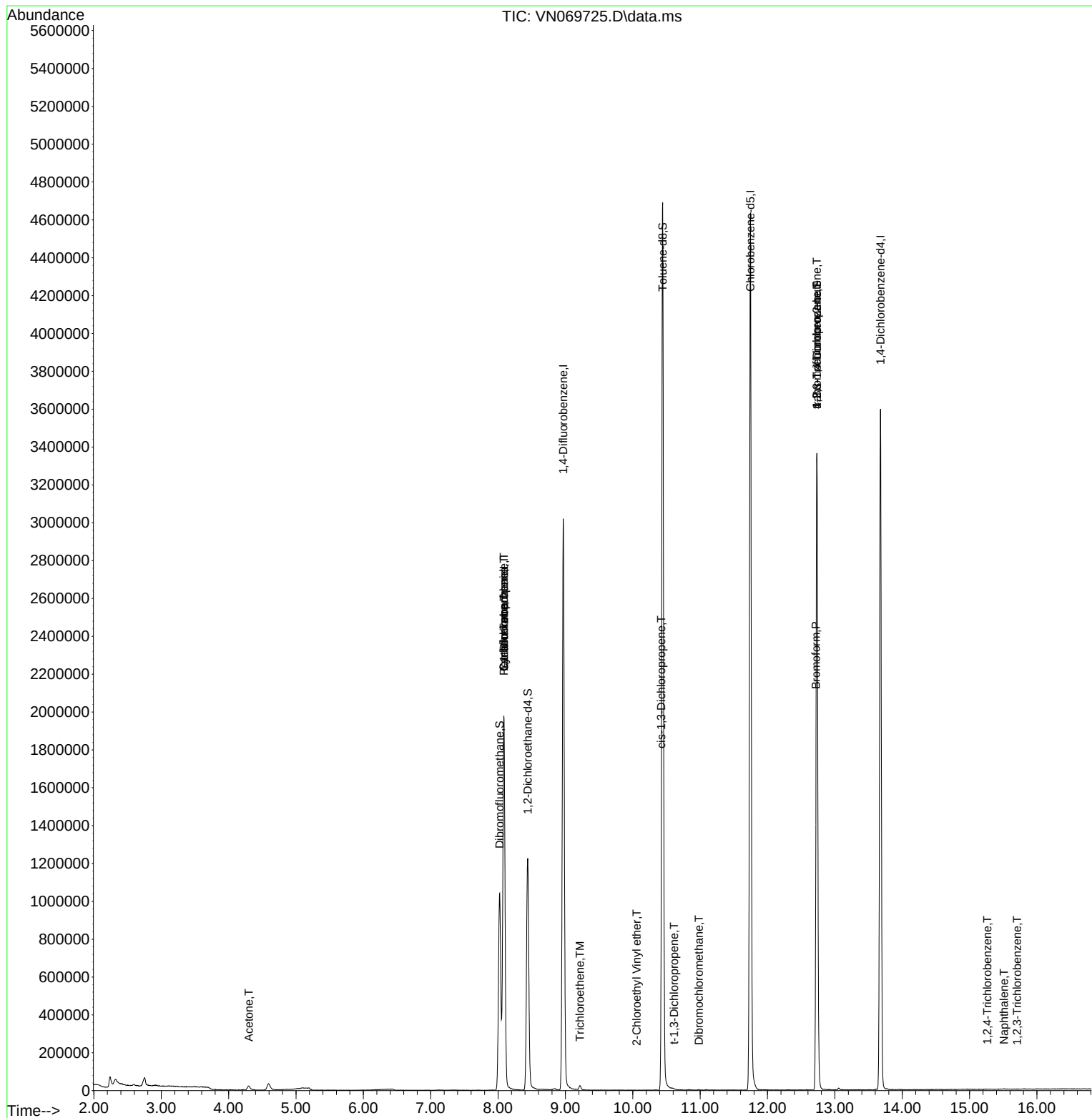
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 1460348    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.968          | 114  | 2536163    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746         | 117  | 2573040    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.677         | 152  | 958660     | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 1086798    | 48.200   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 96.400%  |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 752579     | 47.374   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 94.740%  |        |          |
| 50) Toluene-d8                | 10.443         | 98   | 3220860    | 50.494   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 100.980% |        |          |
| 62) 4-Bromofluorobenzene      | 12.733         | 95   | 1179202    | 51.028   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 102.060% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 16) Acetone                   | 4.299          | 43   | 40794      | 3.008    | ug/l   | 95       |
| 31) Cyclohexane               | 8.086          | 56   | 38515      | 1.227    | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 8.086          | 75   | 124350     | 5.150    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.086          | 117  | 148408     | 6.268    | ug/l # | 17       |
| 44) Trichloroethene           | 9.215          | 130  | 7288       | 0.414    | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.615         | 75   | 24         | 2.795    | ug/l # | 46       |
| 54) cis-1,3-Dichloropropene   | 10.424         | 75   | 29         | 2.000    | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether | 10.057         | 63   | 52         | 18.394   | ug/l # | 45       |
| 60) Dibromochloromethane      | 10.982         | 129  | 505        | 2.401    | ug/l # | 11       |
| 71) Bromoform                 | 12.720         | 173  | 2240       | 2.866    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.733         | 75   | 671123     | 24.411   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.733         | 75   | 671123     | 77.467   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.262         | 180  | 231        | 2.892    | ug/l # | 36       |
| 95) Naphthalene               | 15.509         | 128  | 2282       | 4.030    | ug/l # | 88       |
| 96) 1,2,3-Trichlorobenzene    | 15.705         | 180  | 119        | 2.443    | ug/l # | 21       |
| -----                         |                |      |            |          |        |          |

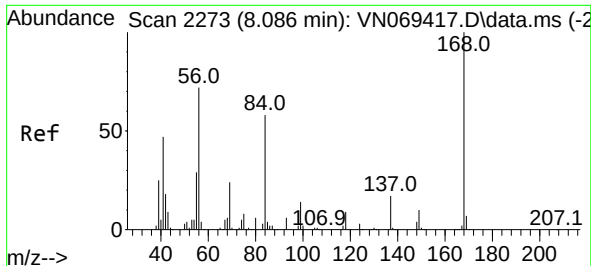
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120321\  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

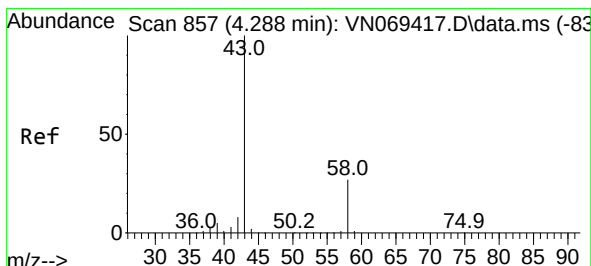
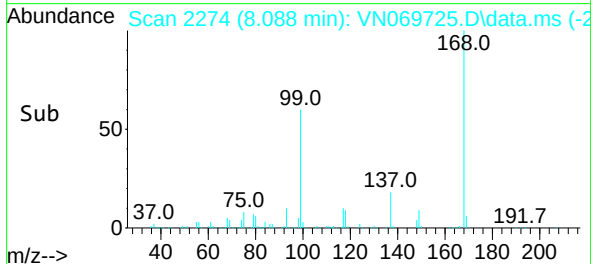
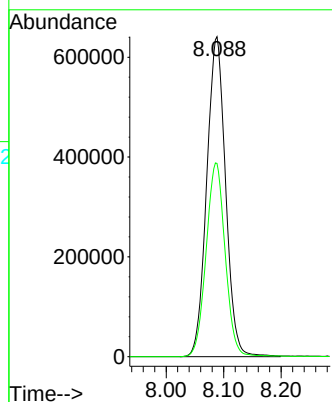
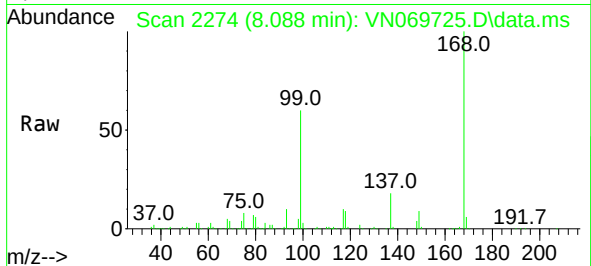




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

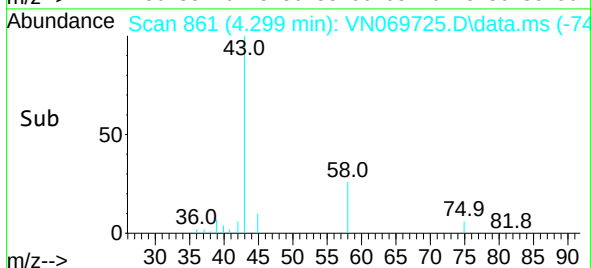
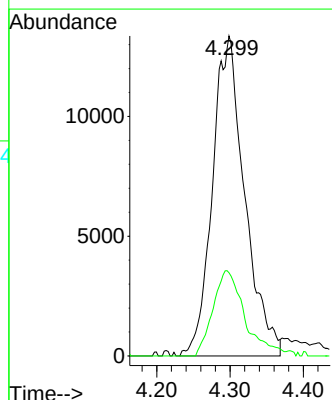
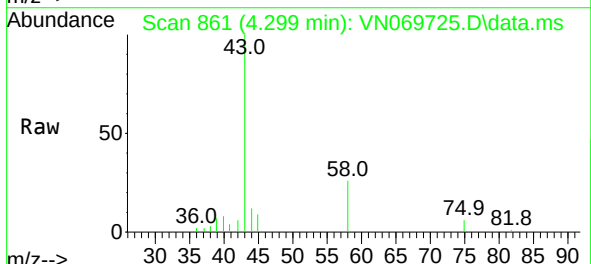
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20211130

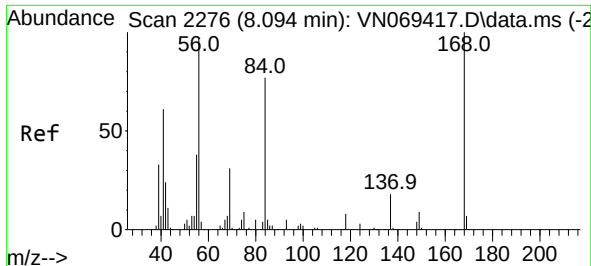
Tgt Ion:168 Resp: 1460348  
Ion Ratio Lower Upper  
168 100  
99 60.4 41.3 61.9



#16  
Acetone  
Concen: 3.008 ug/l  
RT: 4.299 min Scan# 861  
Delta R.T. 0.008 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

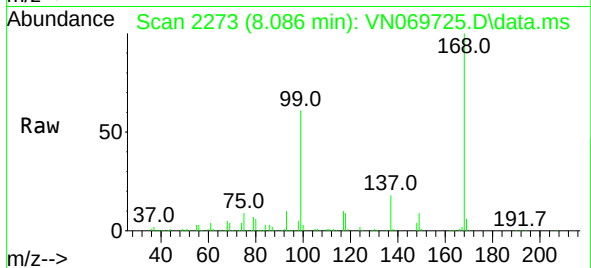
Tgt Ion: 43 Resp: 40794  
Ion Ratio Lower Upper  
43 100  
58 26.0 23.1 34.7



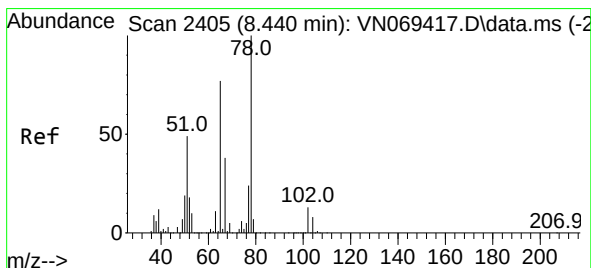
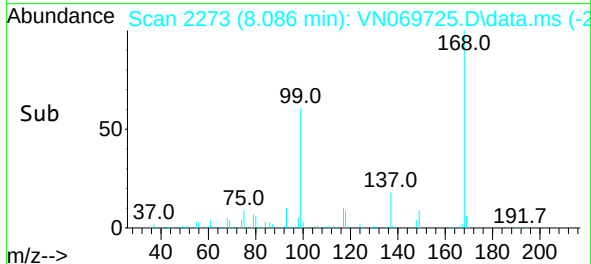
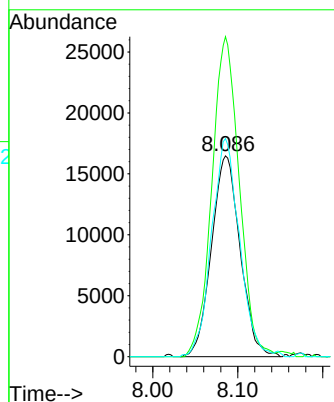


#31  
Cyclohexane  
Concen: 1.227 ug/l  
RT: 8.086 min Scan# 211  
Delta R.T. -0.008 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

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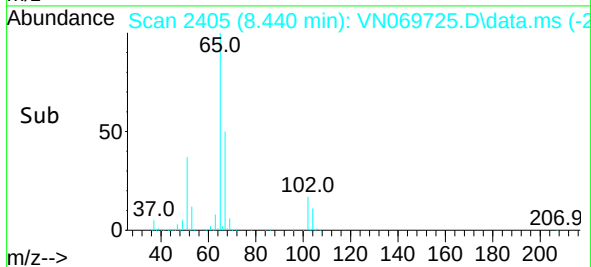
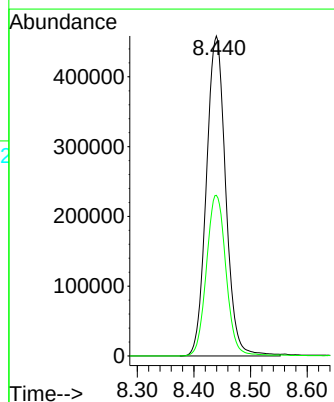
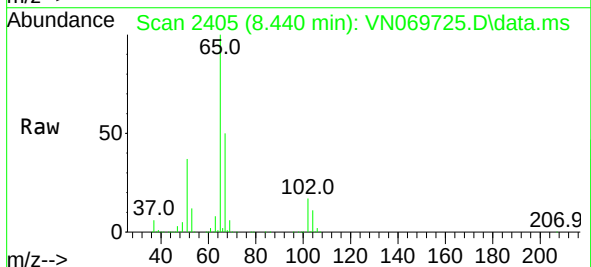


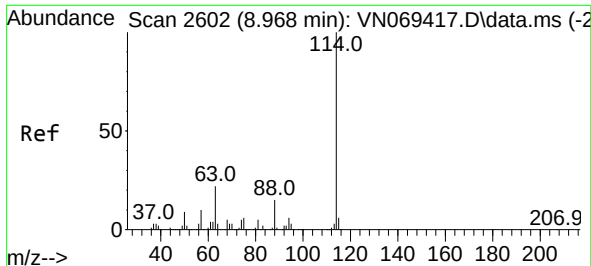
Tgt Ion: 56 Resp: 38515  
Ion Ratio Lower Upper  
56 100  
69 159.4 27.1 40.7#  
84 108.6 73.4 110.0



#33  
1,2-Dichloroethane-d4  
Concen: 48.200 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

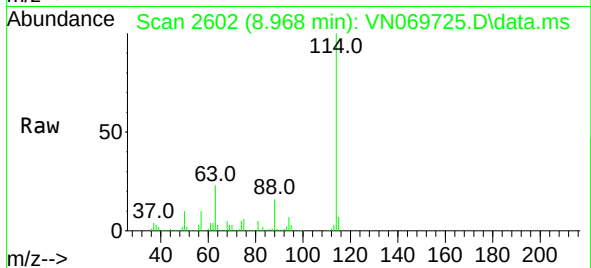
Tgt Ion: 65 Resp: 1086798  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 103.0



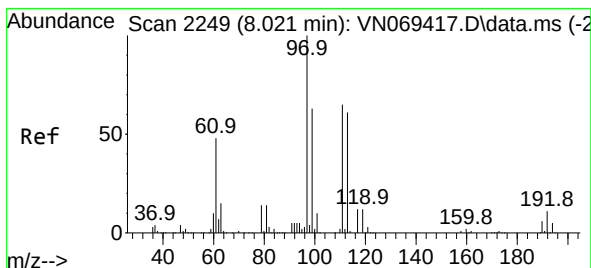
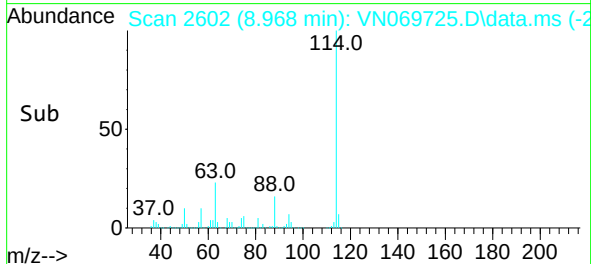
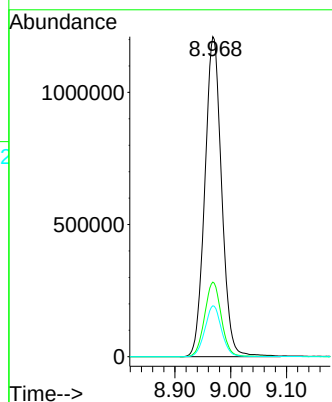


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

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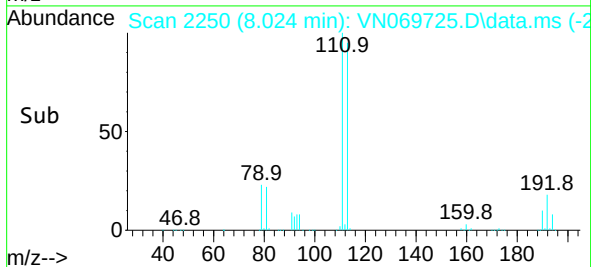
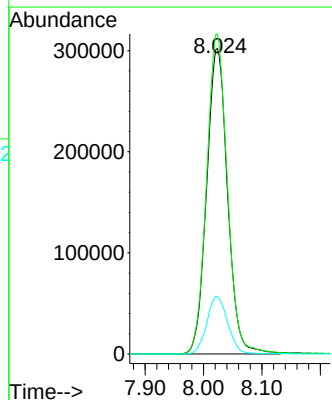
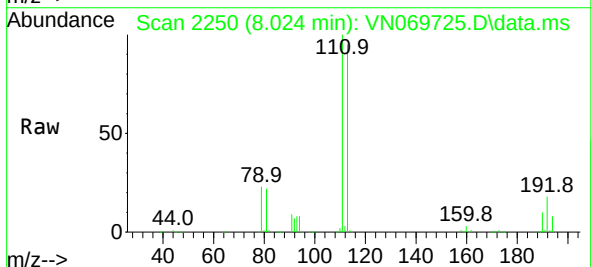


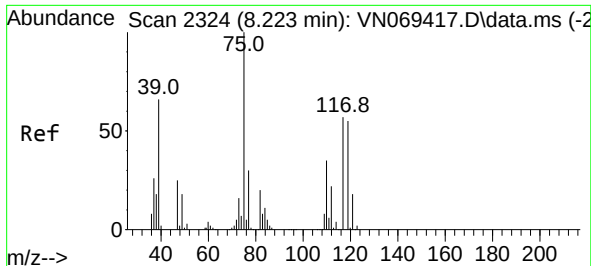
Tgt Ion:114 Resp: 2536163  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 37.8  
88 15.9 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 47.374 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

Tgt Ion:113 Resp: 752579  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.2 123.2  
192 18.8 16.9 25.3

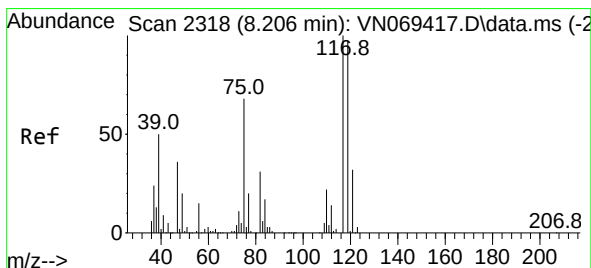
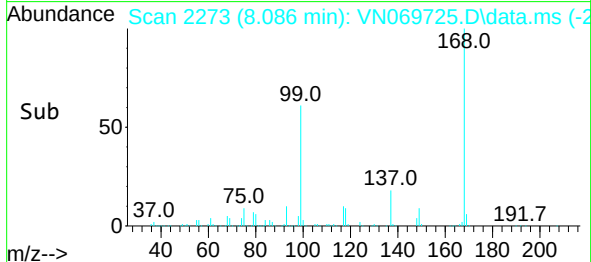
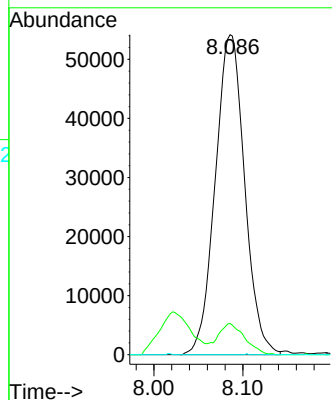
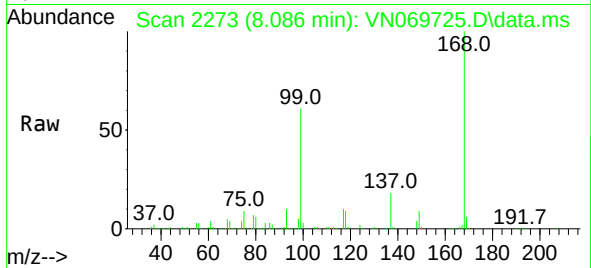




#36  
1,1-Dichloropropene  
Concen: 5.150 ug/l  
RT: 8.086 min Scan# 211  
Delta R.T. -0.137 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

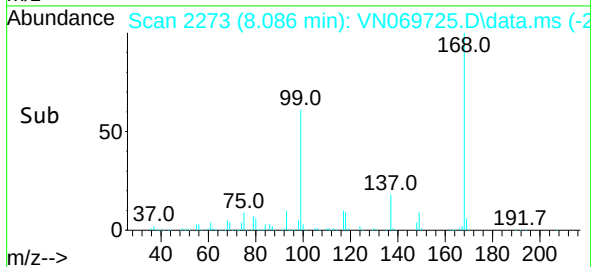
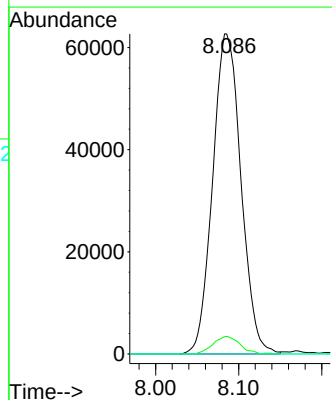
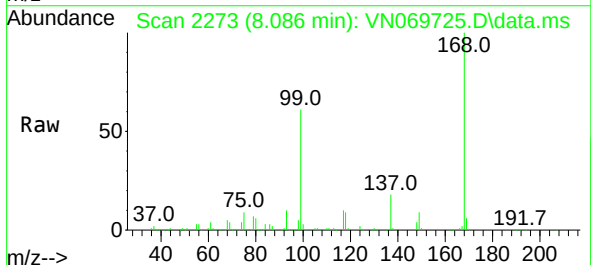
Instrument :  
MSVOA\_N  
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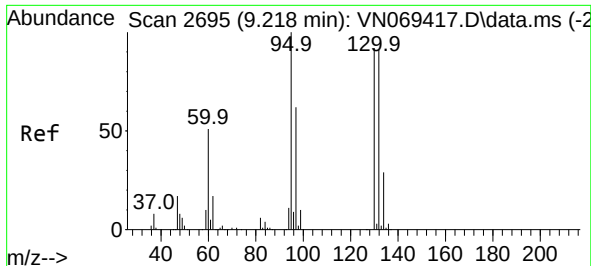
Tgt Ion: 75 Resp: 124350  
Ion Ratio Lower Upper  
75 100  
110 8.4 18.4 55.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 6.268 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.121 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

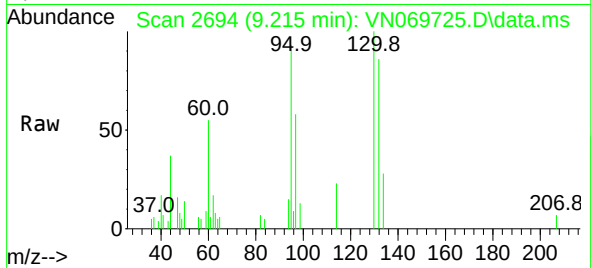
Tgt Ion: 117 Resp: 148408  
Ion Ratio Lower Upper  
117 100  
119 5.5 76.1 114.1#  
121 0.0 24.2 36.2#



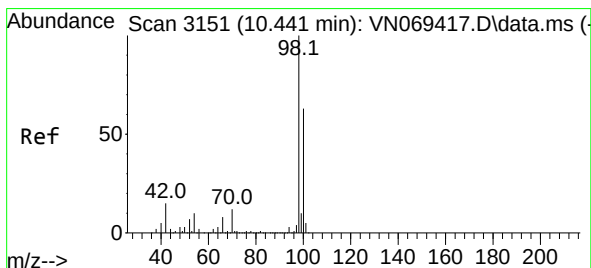
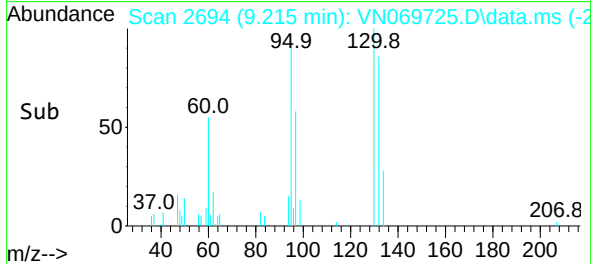
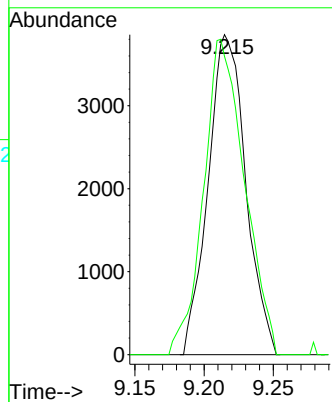


#44  
Trichloroethene  
Concen: 0.414 ug/l  
RT: 9.215 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

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ClientSampleId :  
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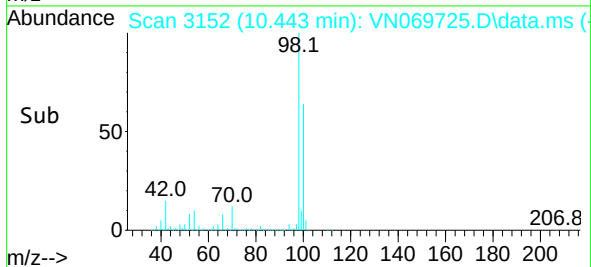
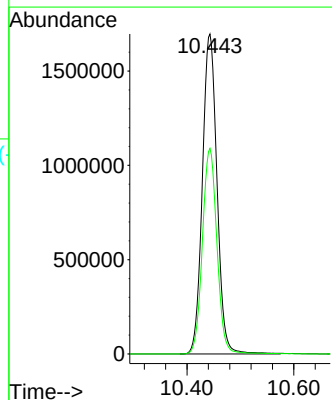
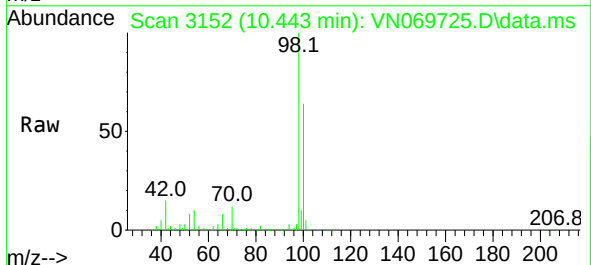


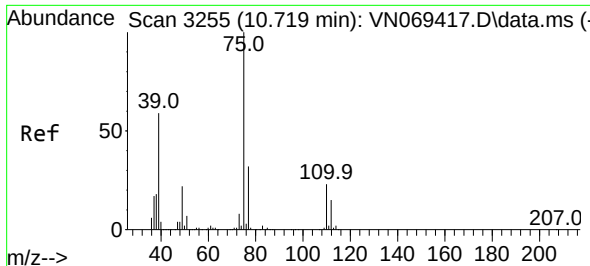
Tgt Ion:130 Resp: 7288  
Ion Ratio Lower Upper  
130 100  
95 93.2 0.0 191.2



#50  
Toluene-d8  
Concen: 50.494 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

Tgt Ion: 98 Resp: 3220860  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.4 75.6

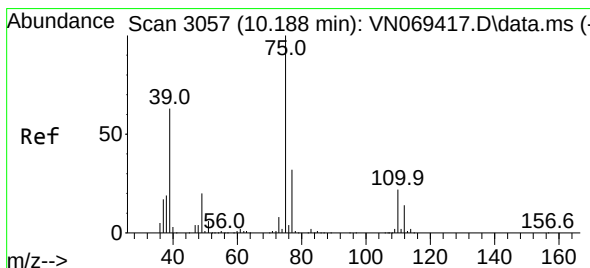
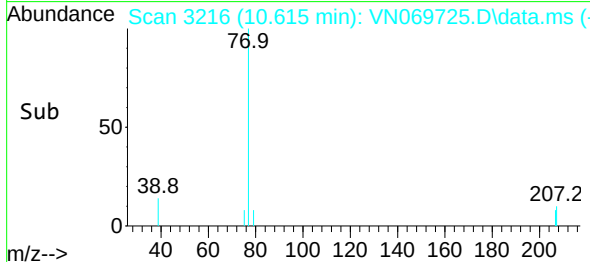
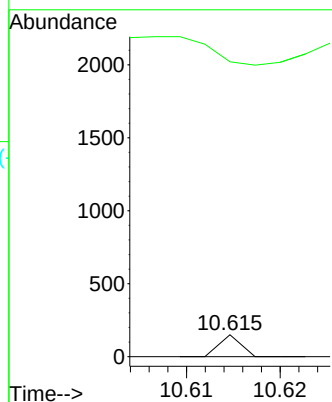
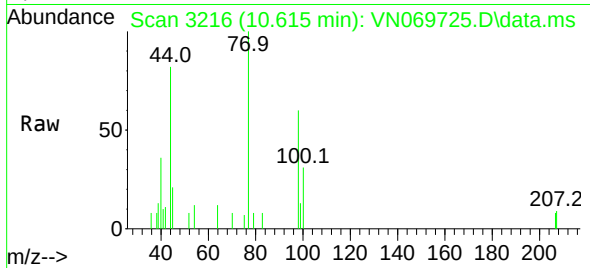




#53  
t-1,3-Dichloropropene  
Concen: 2.795 ug/l  
RT: 10.615 min Scan# 3145  
Delta R.T. -0.104 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

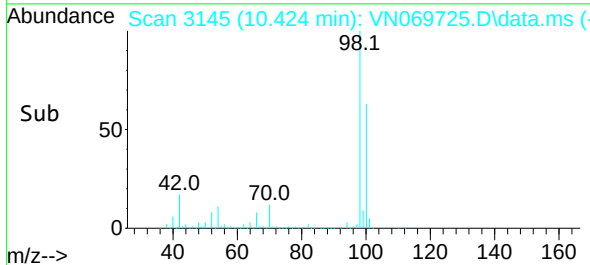
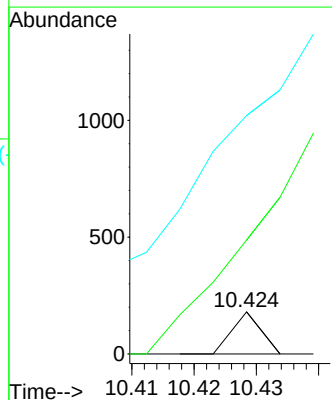
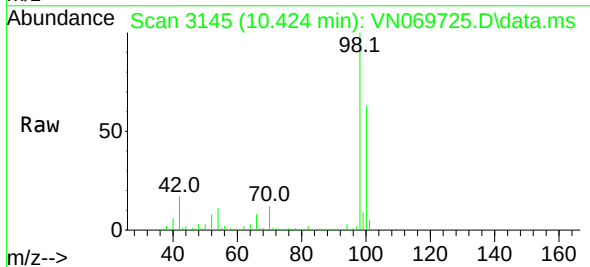
Instrument :  
MSVOA\_N  
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Tgt Ion: 75 Resp: 24  
Ion Ratio Lower Upper  
75 100  
77 2.0 25.6 38.4#

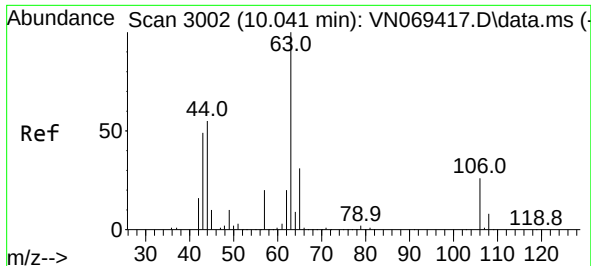


#54  
cis-1,3-Dichloropropene  
Concen: 2.000 ug/l  
RT: 10.424 min Scan# 3145  
Delta R.T. 0.233 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

Tgt Ion: 75 Resp: 29  
Ion Ratio Lower Upper  
75 100  
77 177.8 26.4 39.6#  
39 222.8 42.5 63.7#



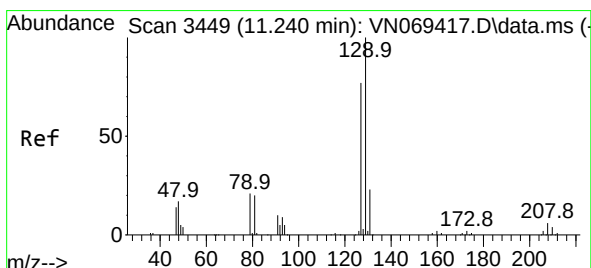
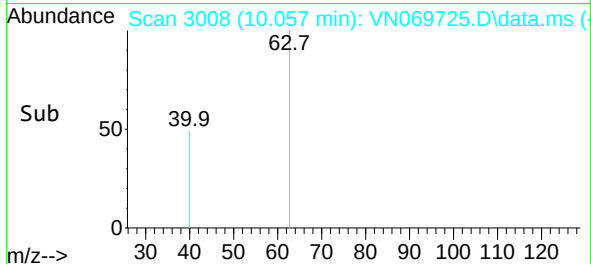
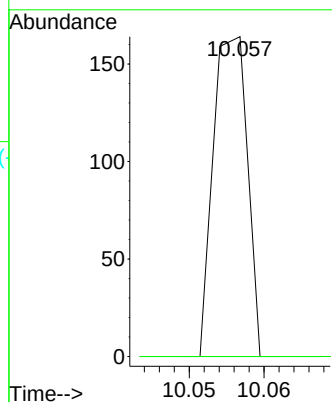
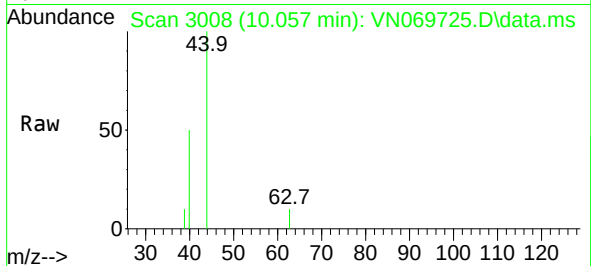




#58  
2-Chloroethyl Vinyl ether  
Concen: 18.394 ug/l  
RT: 10.057 min Scan# 3008  
Delta R.T. 0.014 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

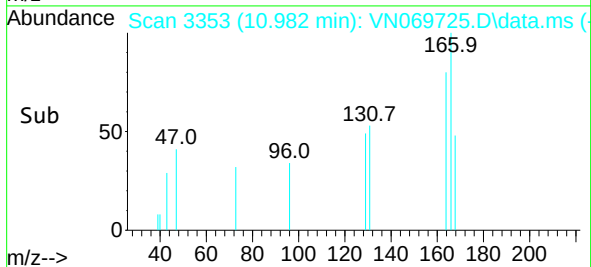
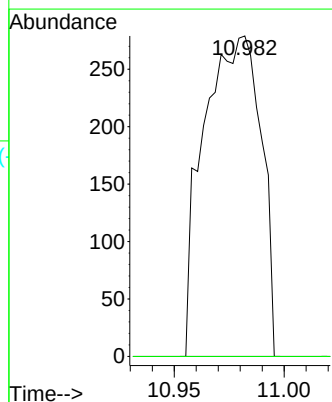
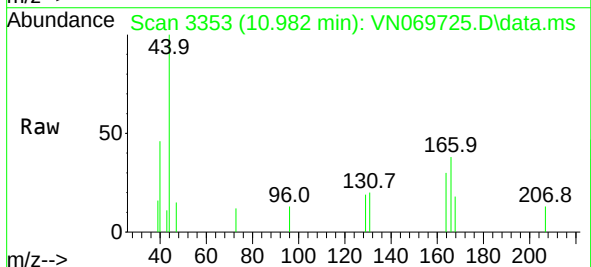
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20211130

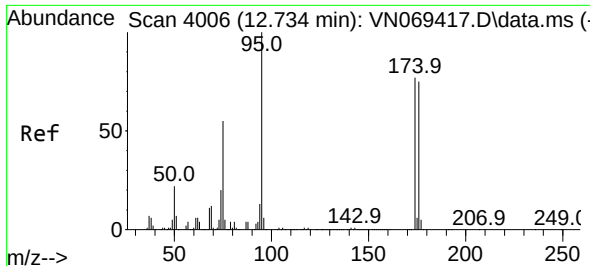
Tgt Ion: 63 Resp: 52  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.9 35.9#



#60  
Dibromochloromethane  
Concen: 2.401 ug/l  
RT: 10.982 min Scan# 3353  
Delta R.T. -0.258 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

Tgt Ion: 129 Resp: 505  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.6 116.0#

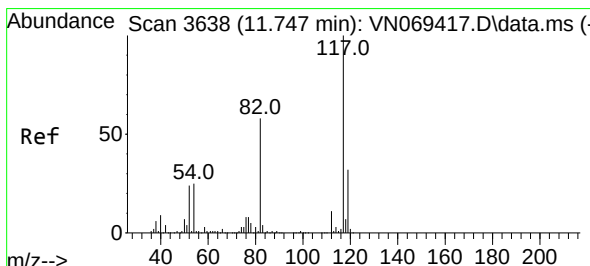
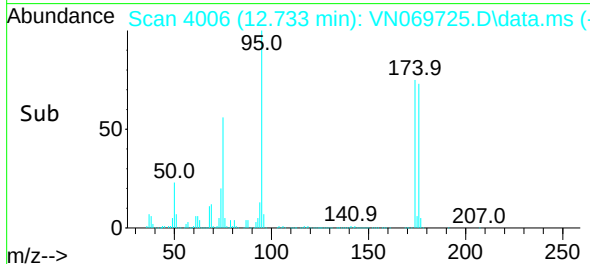
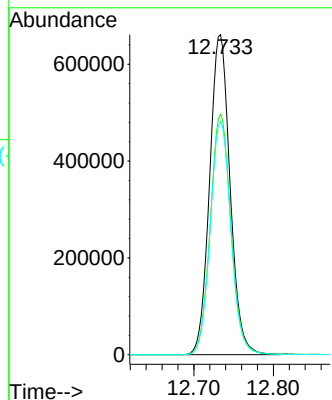
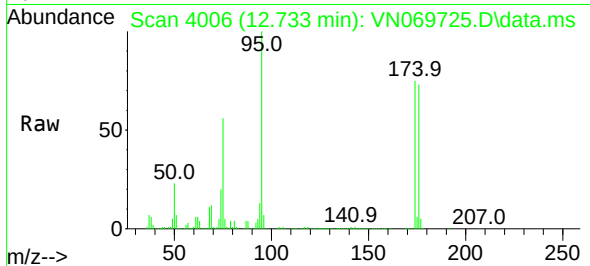




#62  
4-Bromofluorobenzene  
Concen: 51.028 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

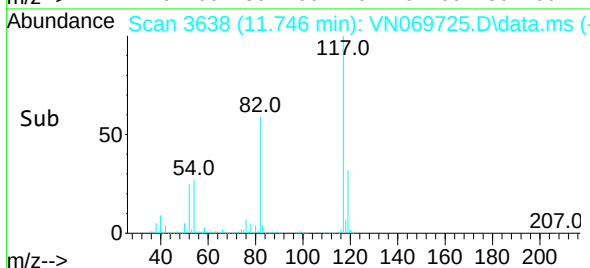
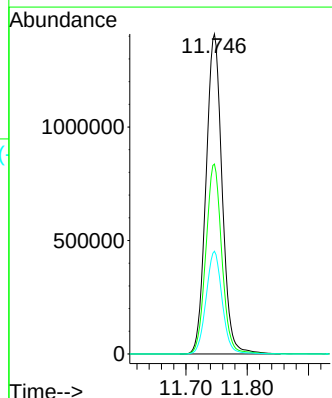
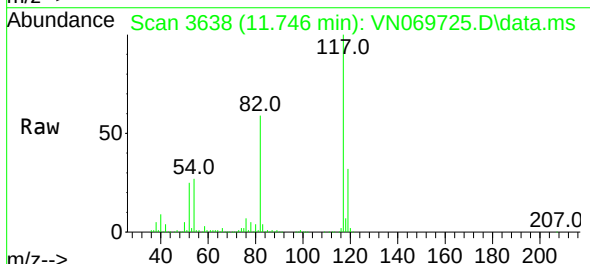
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20211130

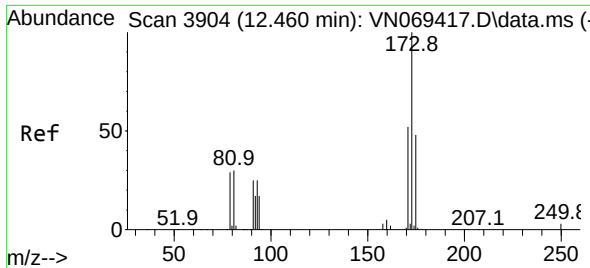
Tgt Ion: 95 Resp: 1179202  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 187.2  
176 73.6 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

Tgt Ion: 117 Resp: 2573040  
Ion Ratio Lower Upper  
117 100  
82 59.4 42.4 63.6  
119 32.1 25.4 38.2

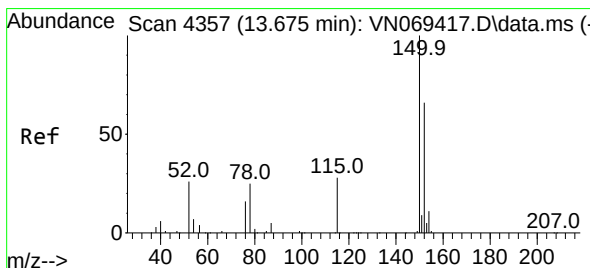
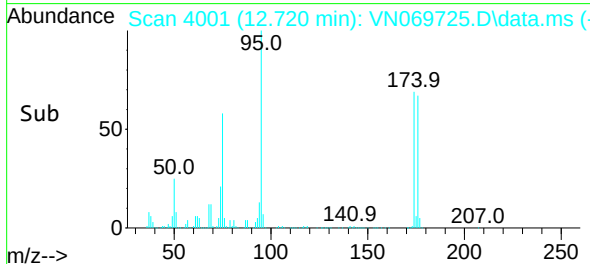
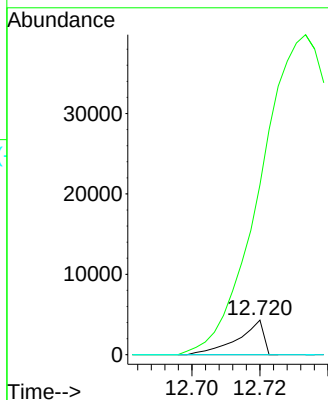
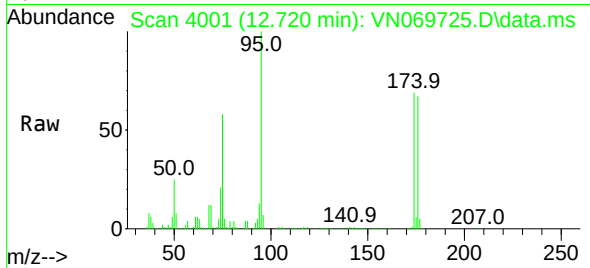




#71  
Bromoform  
Concen: 2.866 ug/l  
RT: 12.720 min Scan# 4001  
Delta R.T. 0.260 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

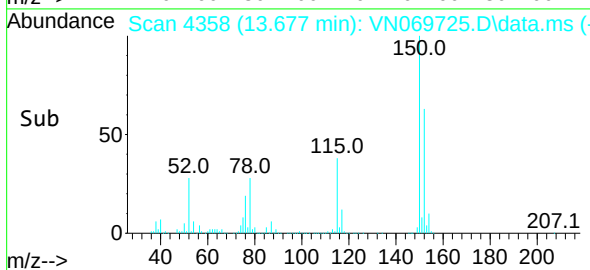
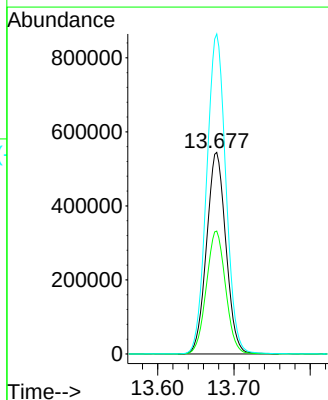
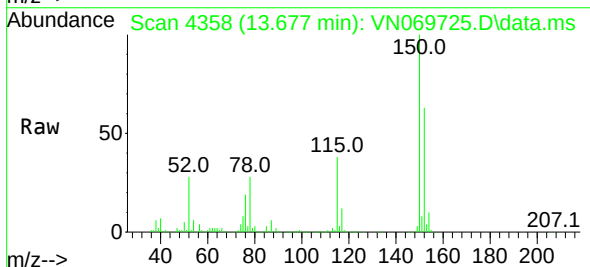
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20211130

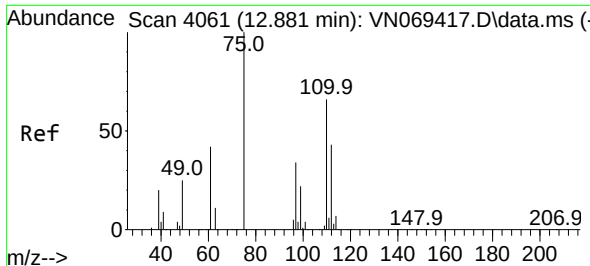
Tgt Ion:173 Resp: 2240  
Ion Ratio Lower Upper  
173 100  
175 2906.4 24.2 72.6#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.000 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

Tgt Ion:152 Resp: 958660  
Ion Ratio Lower Upper  
152 100  
115 60.8 27.5 82.5  
150 157.7 0.0 344.4

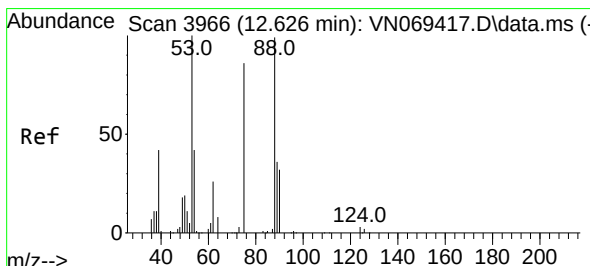
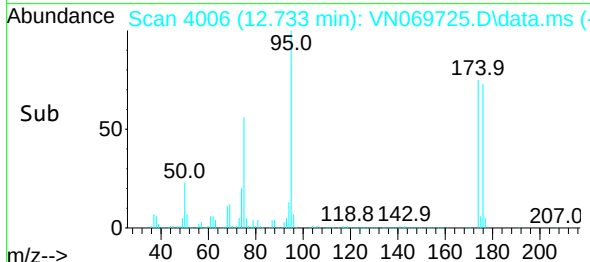
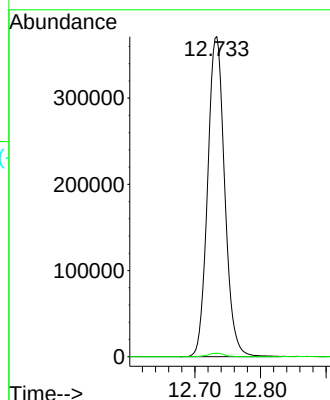
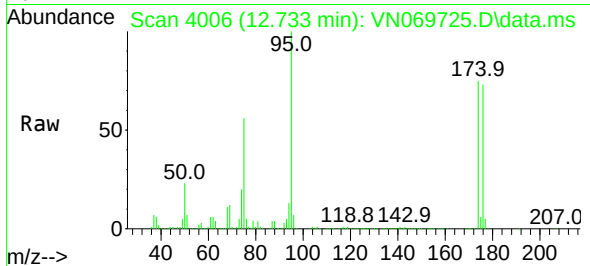




#76  
1,2,3-Trichloropropane  
Concen: 24.411 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.147 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

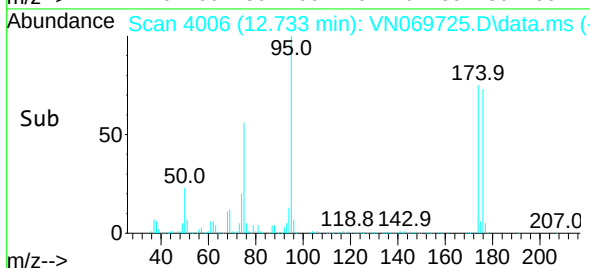
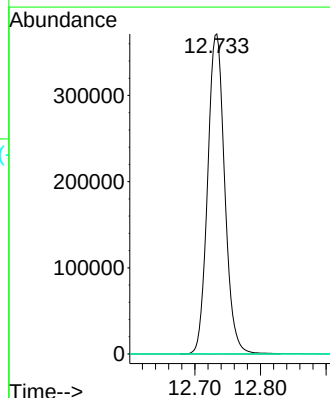
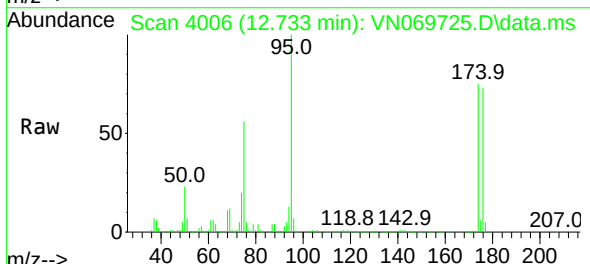
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20211130

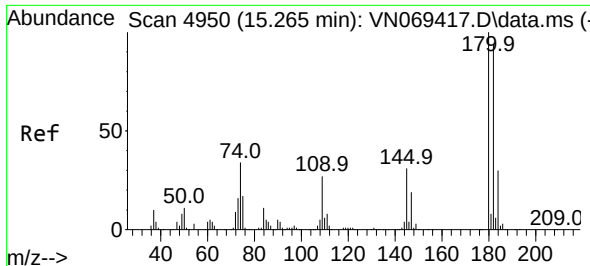
Tgt Ion: 75 Resp: 671123  
Ion Ratio Lower Upper  
75 100  
77 1.0 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.467 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

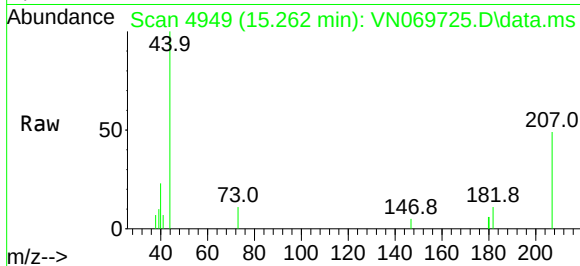
Tgt Ion: 75 Resp: 671123  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.0 38.2 57.4#



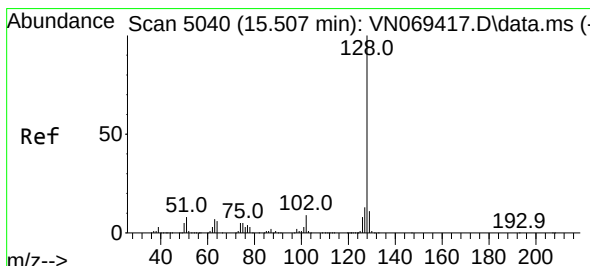
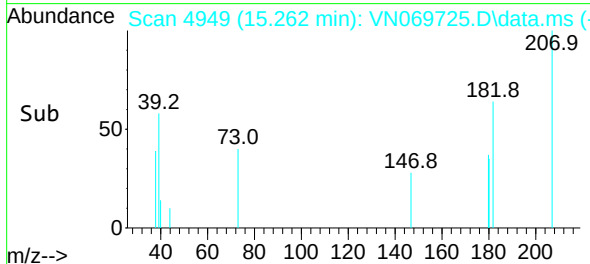
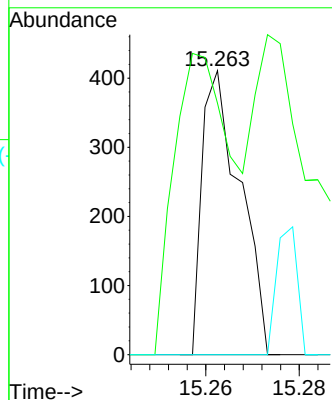


#93  
1,2,4-Trichlorobenzene  
Concen: 2.892 ug/l  
RT: 15.262 min Scan# 4950  
Delta R.T. -0.003 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20211130

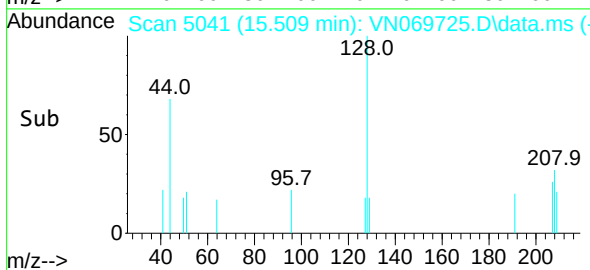
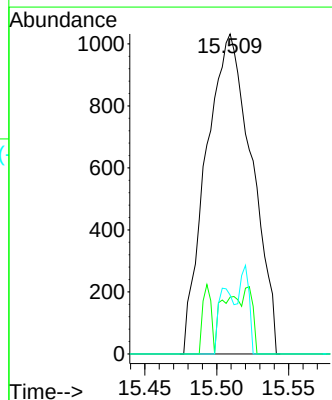
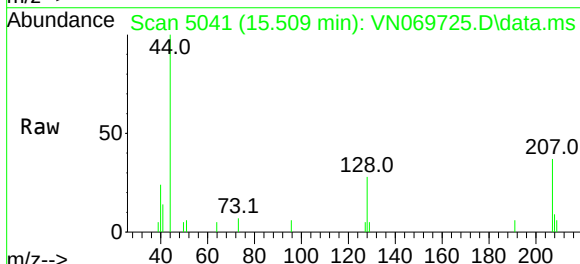


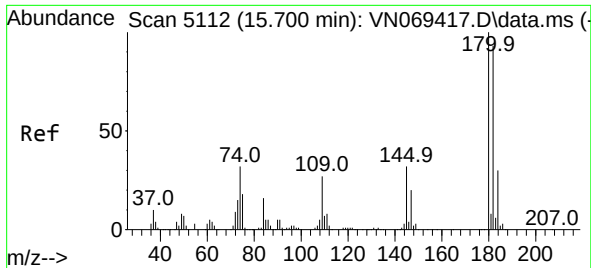
Tgt Ion:180 Resp: 231  
Ion Ratio Lower Upper  
180 100  
182 162.8 48.3 144.9#  
145 0.0 14.5 43.5#



#95  
Naphthalene  
Concen: 4.030 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN069725.D  
Acq: 3 Dec 2021 18:12

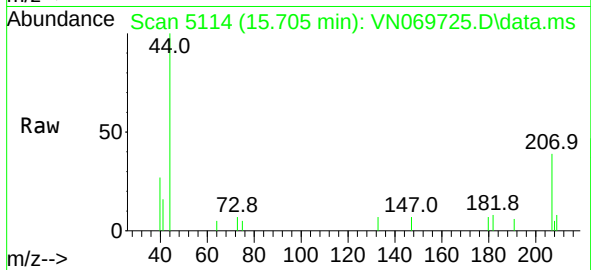
Tgt Ion:128 Resp: 2282  
Ion Ratio Lower Upper  
128 100  
127 8.5 10.5 15.7#  
129 6.6 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.443 ug/l  
 RT: 15.705 min Scan# 5112  
 Delta R.T. 0.003 min  
 Lab File: VN069725.D  
 Acq: 3 Dec 2021 18:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE117D2-20211130



Tgt Ion:180 Resp: 119  
 Ion Ratio Lower Upper  
 180 100  
 182 178.2 47.4 142.2#  
 145 0.0 15.0 45.1#

