

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012523\  
 Data File : VN076392.D  
 Acq On : 25 Jan 2023 11:11  
 Operator : JC\MD  
 Sample : VN0125WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0125WBL01

Quant Time: Jan 26 07:13:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

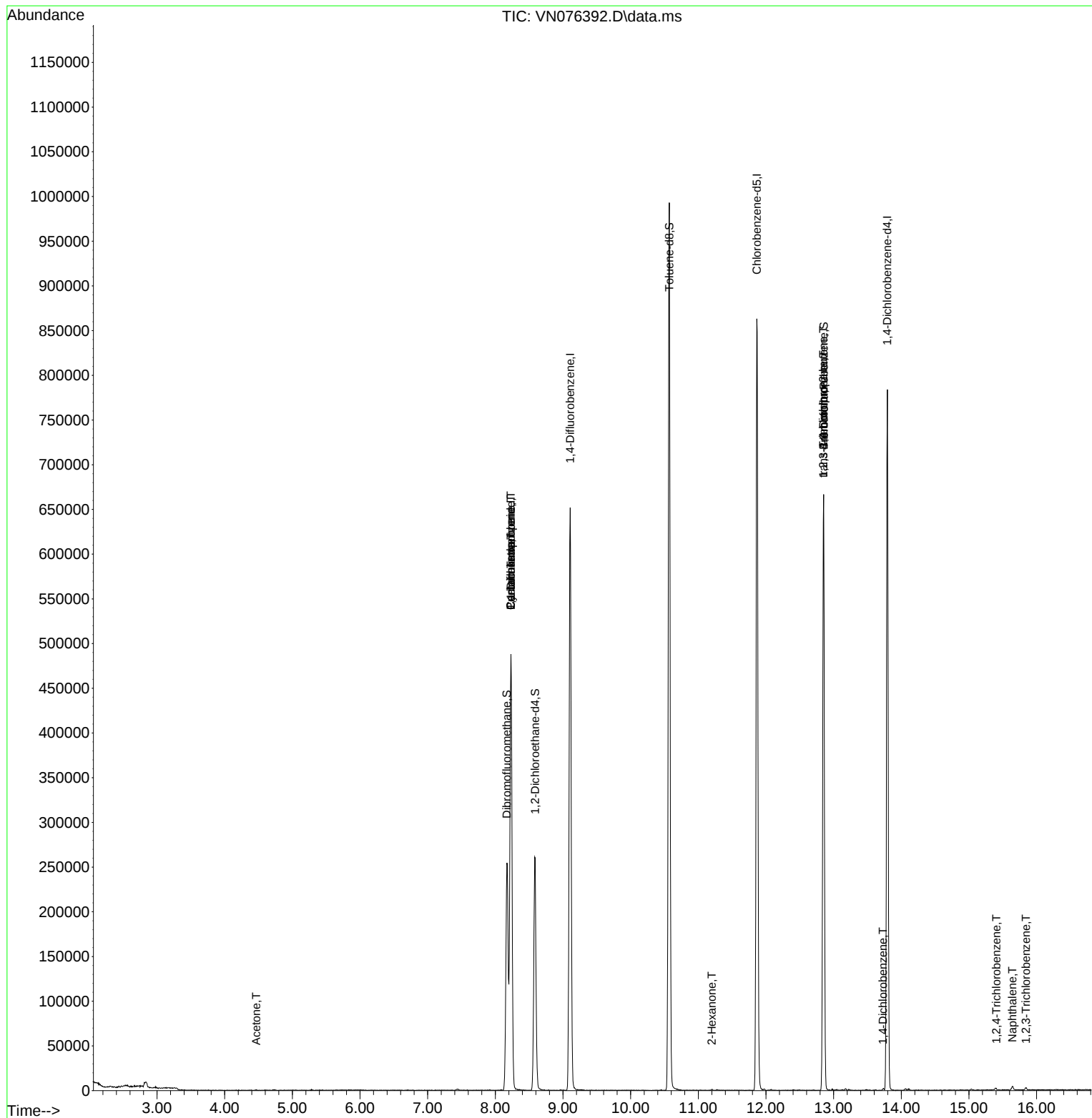
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 366779   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 591266   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 533550   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 216445   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.588  | 65    | 217768   | 53.027    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 106.060% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 185026   | 50.026    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 100.060% |          |
| 50) Toluene-d8                | 10.571 | 98    | 694527   | 50.846    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 101.700% |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 220647   | 49.482    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 98.960%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 4.465  | 43    | 434      | 0.256     | ug/l #     | 54       |
| 20) Methylene Chloride        | 5.283  | 84    | 87       | Below Cal | #          | 79       |
| 31) Cyclohexane               | 8.230  | 56    | 7680     | 1.217     | ug/l #     | 32       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 28616    | 5.445     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 37306    | 6.365     | ug/l #     | 16       |
| 59) 2-Hexanone                | 11.200 | 43    | 888      | 0.304     | ug/l       | 69       |
| 71) Bromoform                 | 12.853 | 173   | 1843     | 0.608     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 120125   | 30.087    | ug/l #     | 1        |
| 77) Bromobenzene              | 12.976 | 156   | 226      | Below Cal | #          | 39       |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 120125   | 92.341    | ug/l #     | 11       |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146   | 932      | 0.225     | ug/l       | 74       |
| 93) 1,2,4-Trichlorobenzene    | 15.406 | 180   | 1136     | 1.596     | ug/l #     | 83       |
| 95) Naphthalene               | 15.641 | 128   | 5010     | 2.268     | ug/l #     | 87       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180   | 1251     | 1.491     | ug/l       | 91       |
| -----                         |        |       |          |           |            |          |

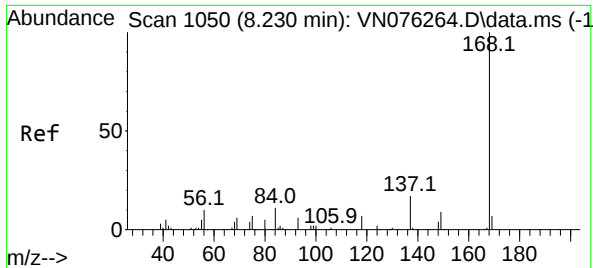
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012523\  
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Sample : VN0125WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0125WBL01

Quant Time: Jan 26 07:13:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration

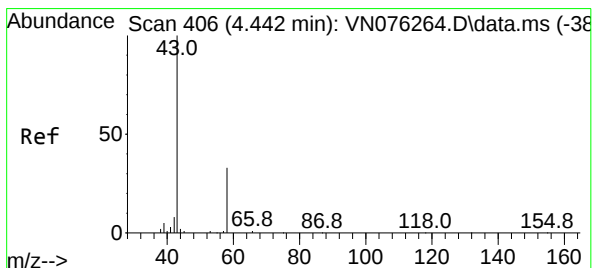
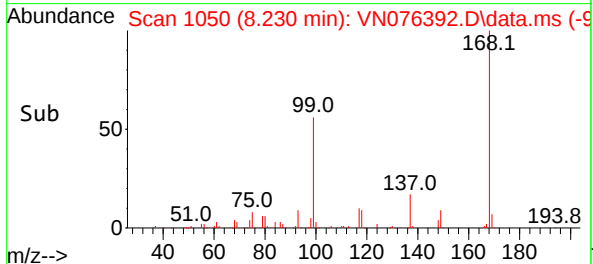
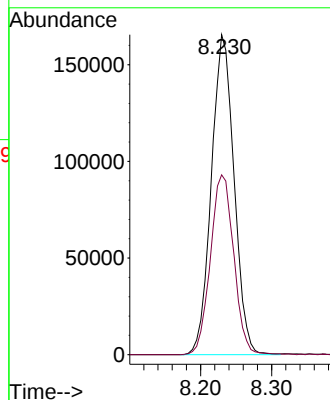
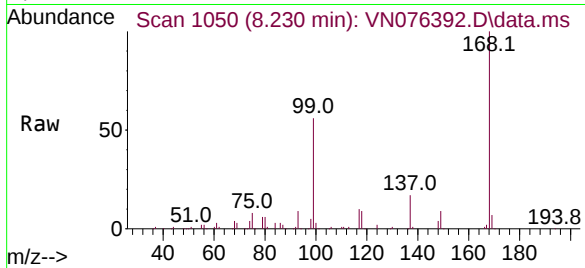




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

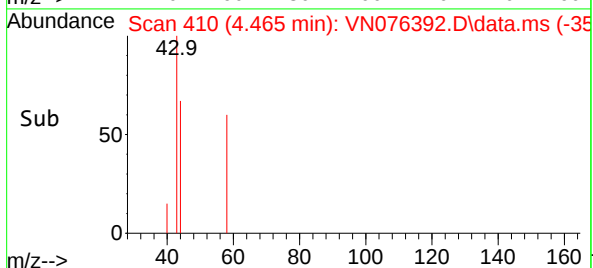
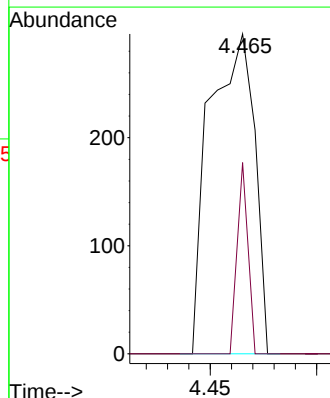
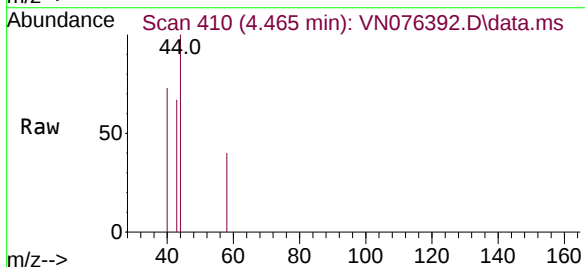
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0125WBL01

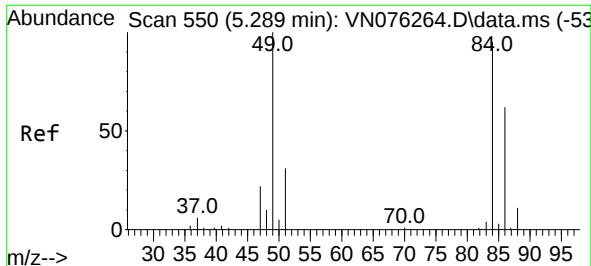
Tgt Ion:168 Resp: 366779  
Ion Ratio Lower Upper  
168 100  
99 56.2 41.6 62.4



#16  
Acetone  
Concen: 0.256 ug/l  
RT: 4.465 min Scan# 410  
Delta R.T. 0.023 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

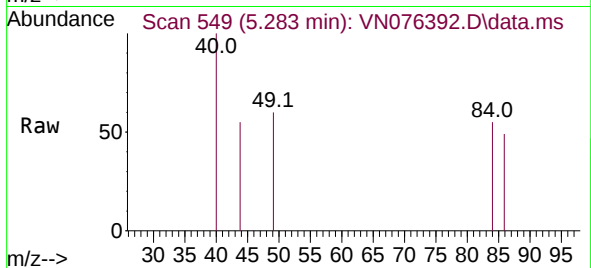
Tgt Ion: 43 Resp: 434  
Ion Ratio Lower Upper  
43 100  
58 59.8 26.7 40.1#



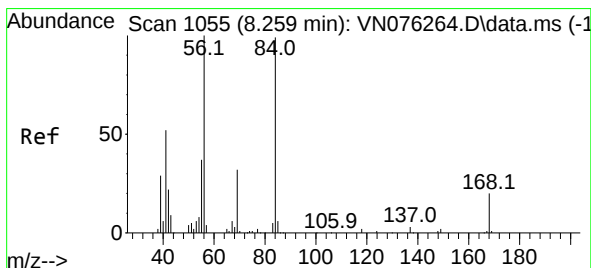
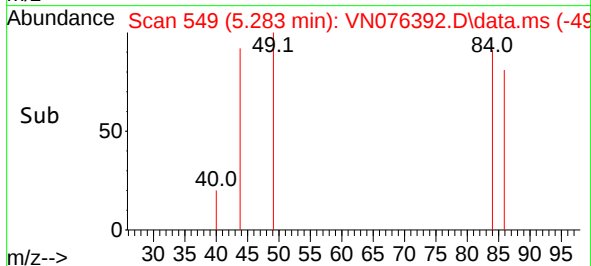
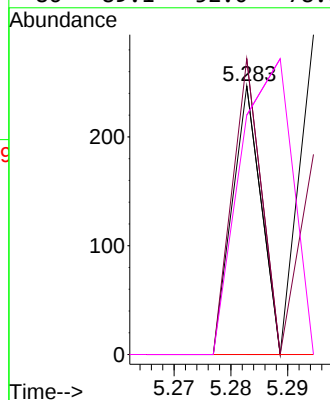


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0125WBL01

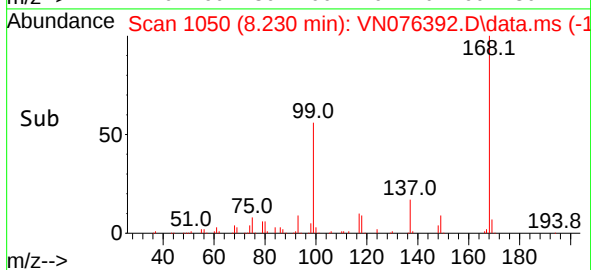
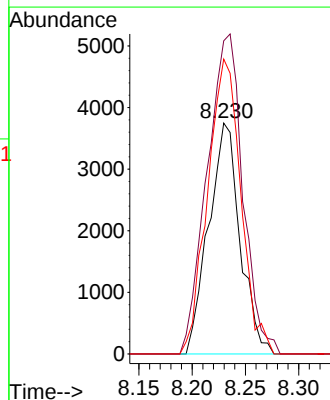
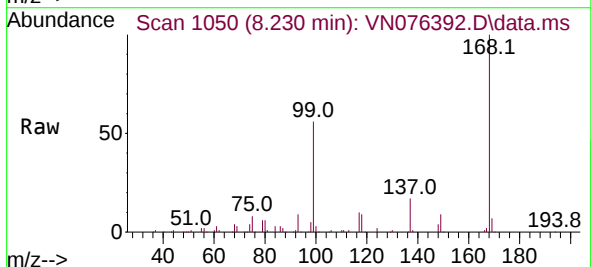


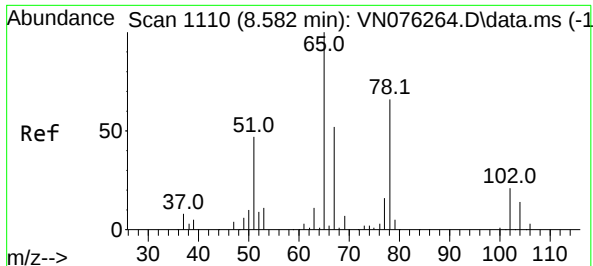
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 87    |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.1 | 84.5  | 126.7 |
| 51       | 0.0   | 26.0  | 39.0# |
| 86       | 89.1  | 52.0  | 78.0# |



#31  
Cyclohexane  
Concen: 1.217 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.029 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 7680   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 135.6 | 25.8  | 38.8#  |
| 84       | 127.7 | 79.0  | 118.4# |





#33

1,2-Dichloroethane-d4

Concen: 53.027 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076392.D

Acq: 25 Jan 2023 11:11

Instrument :

MSVOA\_N

ClientSampleId :

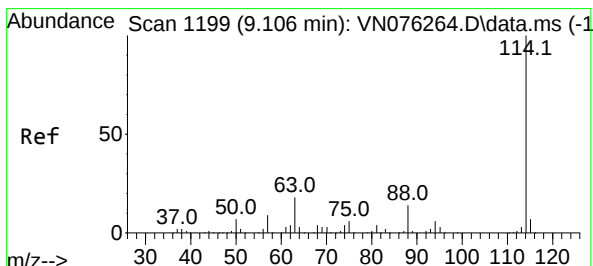
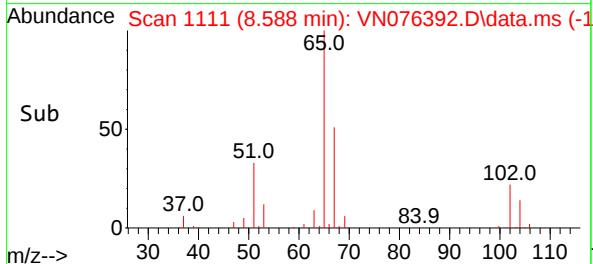
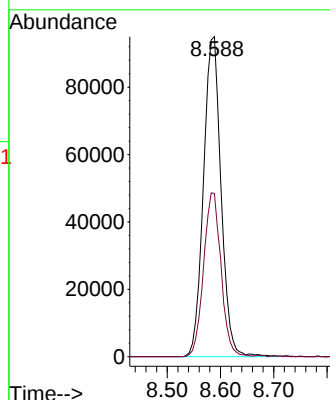
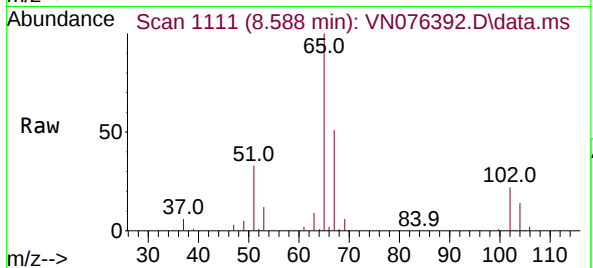
VN0125WBL01

Tgt Ion: 65 Resp: 217768

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076392.D

Acq: 25 Jan 2023 11:11

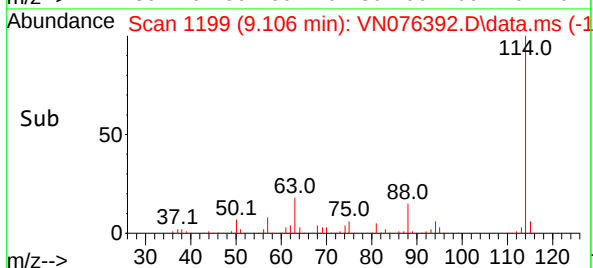
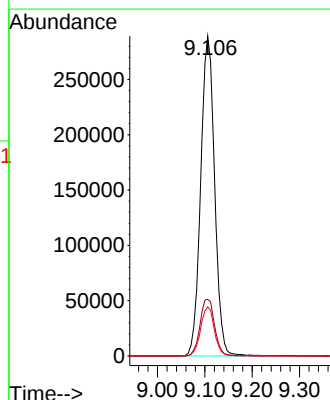
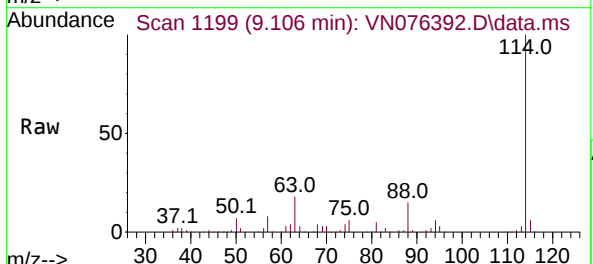
Tgt Ion: 114 Resp: 591266

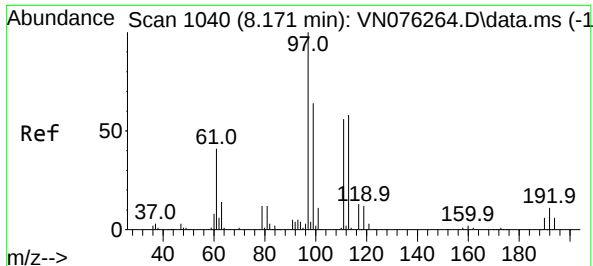
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.8

88 15.3 0.0 28.0





#35

Dibromofluoromethane

Concen: 50.026 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076392.D

Acq: 25 Jan 2023 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VN0125WBL01

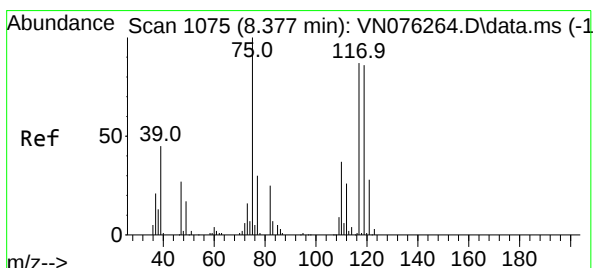
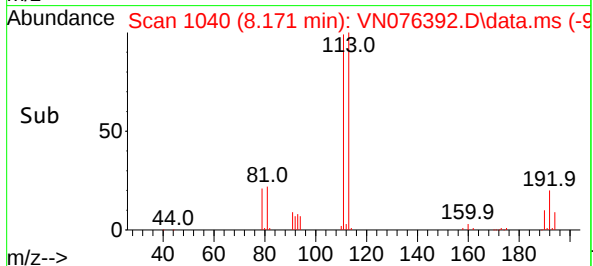
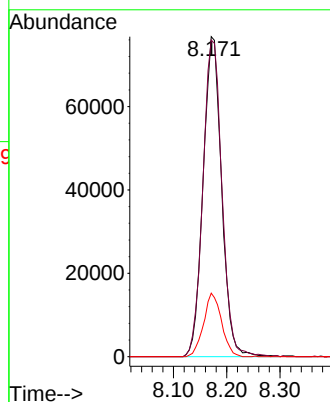
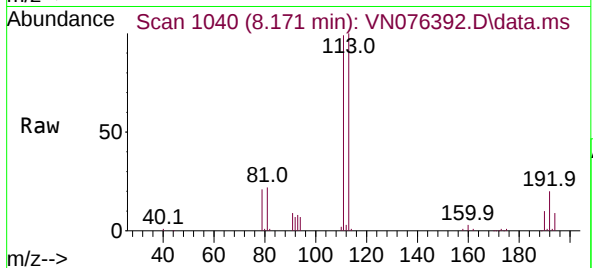
Tgt Ion:113 Resp: 185026

Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

192 19.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.445 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076392.D

Acq: 25 Jan 2023 11:11

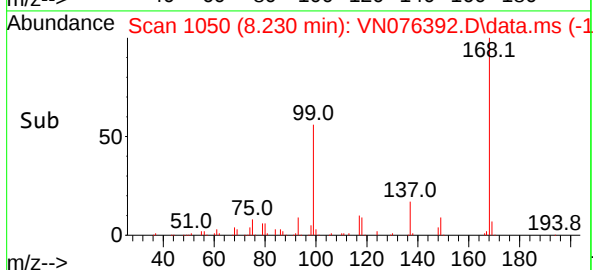
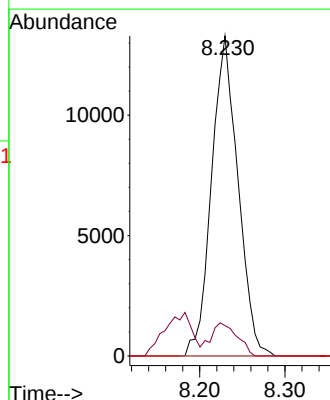
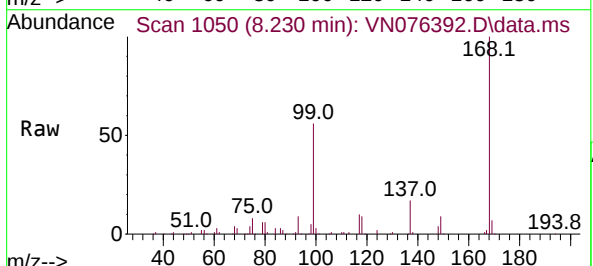
Tgt Ion: 75 Resp: 28616

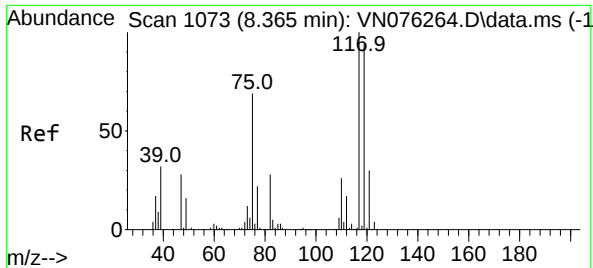
Ion Ratio Lower Upper

75 100

110 10.4 18.8 56.3#

77 0.0 25.0 37.4#

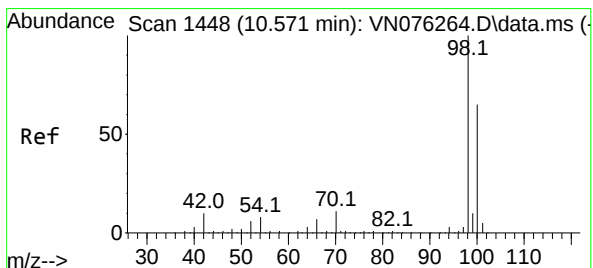
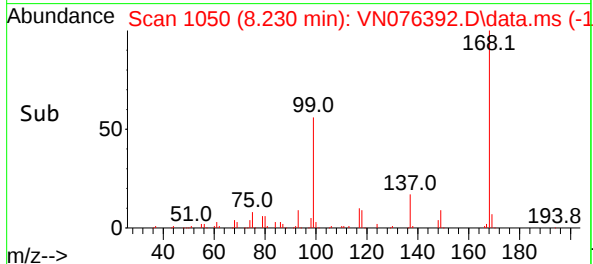
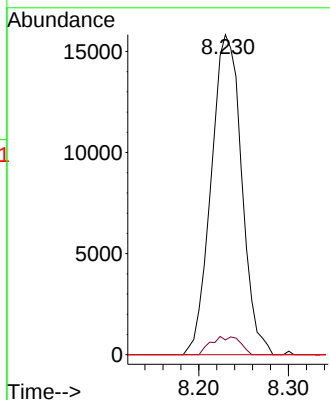
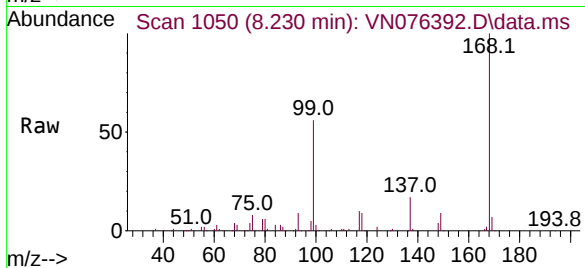




#38  
Carbon Tetrachloride  
Concen: 6.365 ug/l  
RT: 8.230 min Scan# 1073  
Delta R.T. -0.135 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

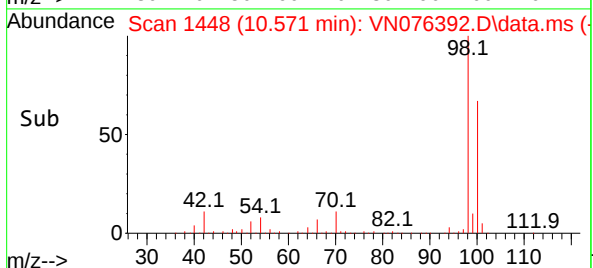
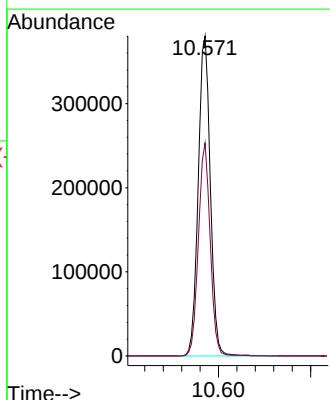
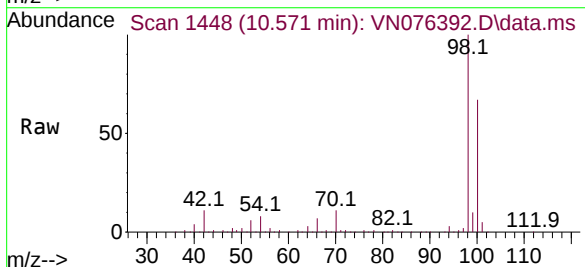
Instrument :  
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ClientSampleId :  
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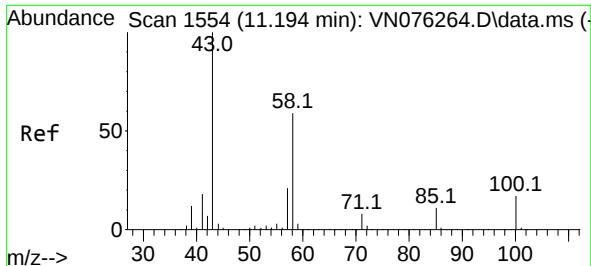
Tgt Ion:117 Resp: 37306  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.4 113.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 50.846 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

Tgt Ion: 98 Resp: 694527  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.2 78.4

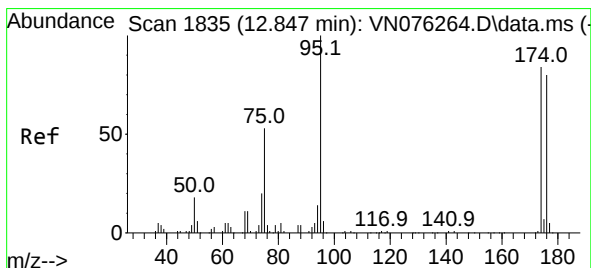
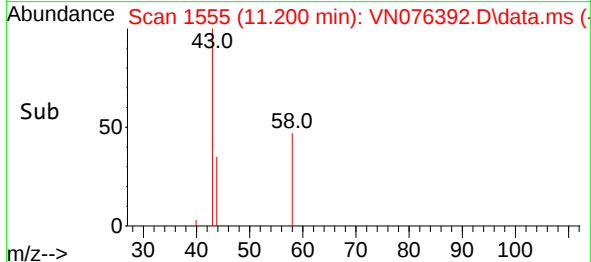
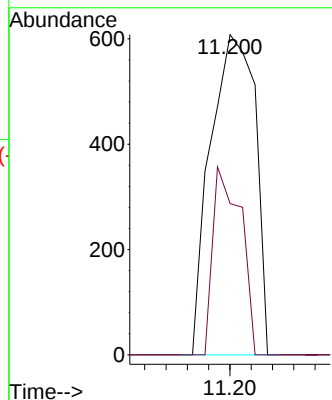
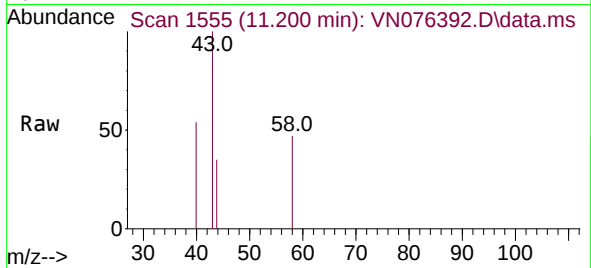




#59  
2-Hexanone  
Concen: 0.304 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

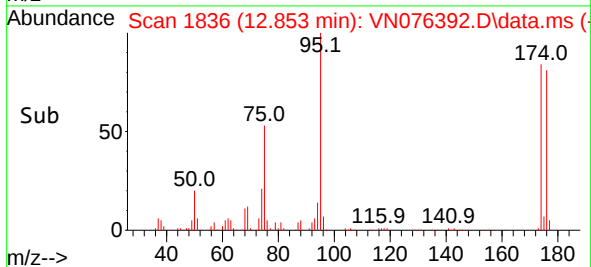
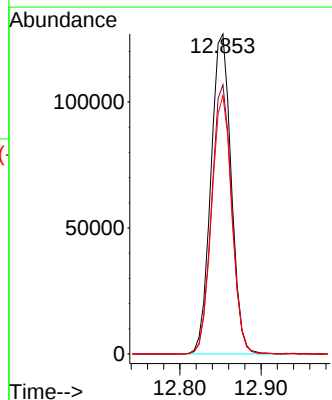
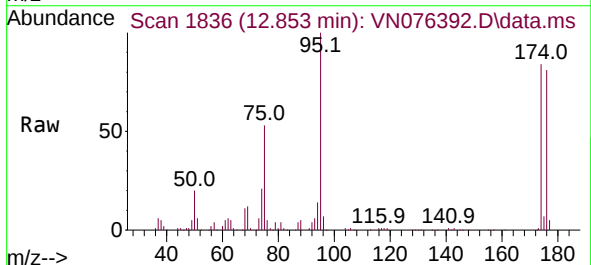
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0125WBL01

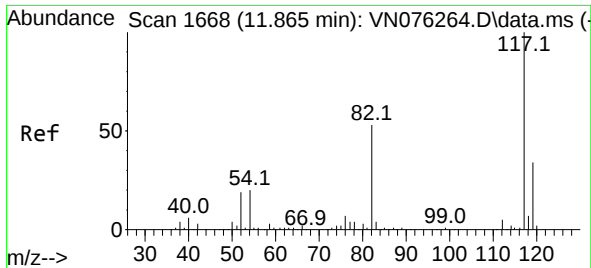
Tgt Ion: 43 Resp: 888  
Ion Ratio Lower Upper  
43 100  
58 36.7 30.1 90.3



#62  
4-Bromofluorobenzene  
Concen: 49.482 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

Tgt Ion: 95 Resp: 220647  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 174.6  
176 80.6 0.0 167.8

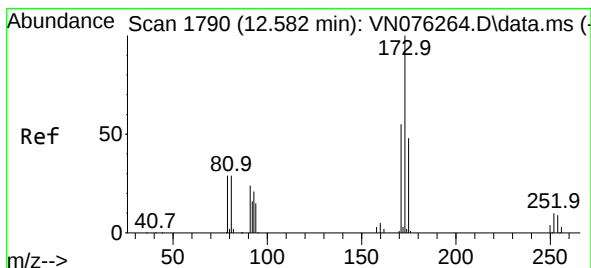
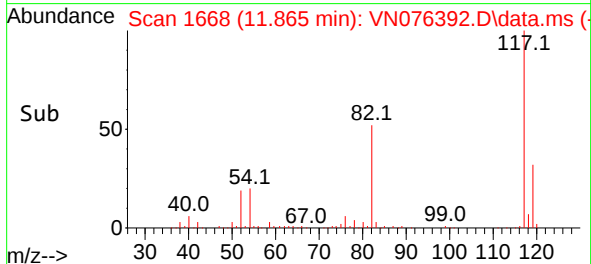
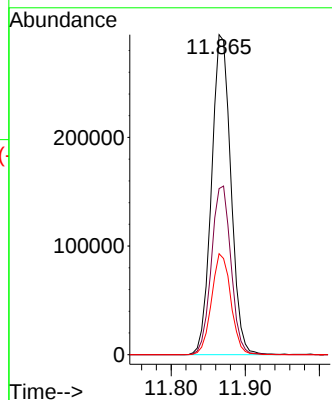
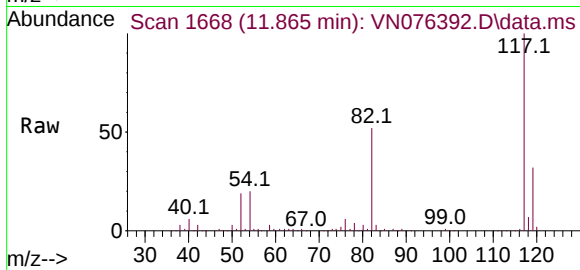




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

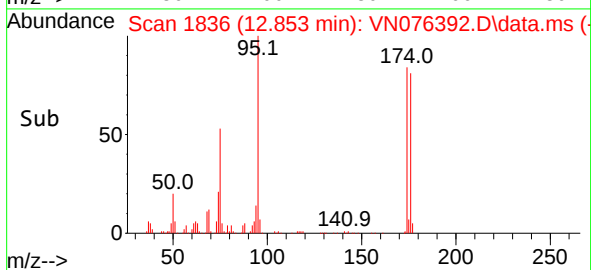
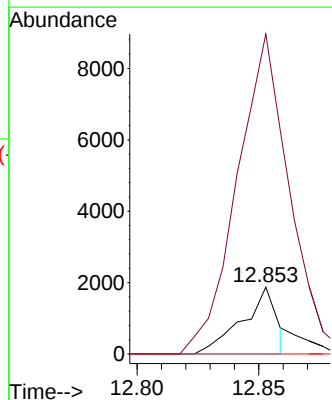
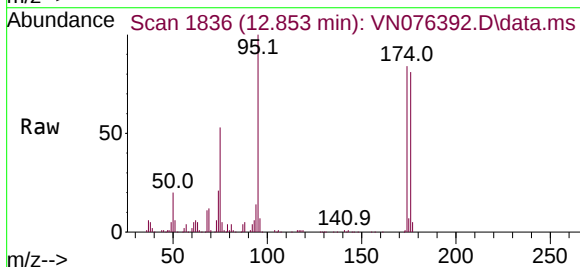
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0125WBL01

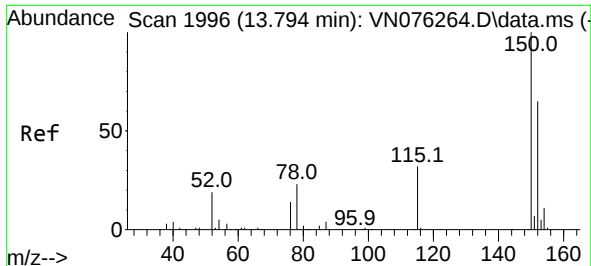
Tgt Ion:117 Resp: 533550  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.2 63.2  
119 31.5 26.9 40.3



#71  
Bromoform  
Concen: 0.608 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.271 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

Tgt Ion:173 Resp: 1843  
Ion Ratio Lower Upper  
173 100  
175 597.3 24.1 72.4#  
254 0.0 0.0 0.0

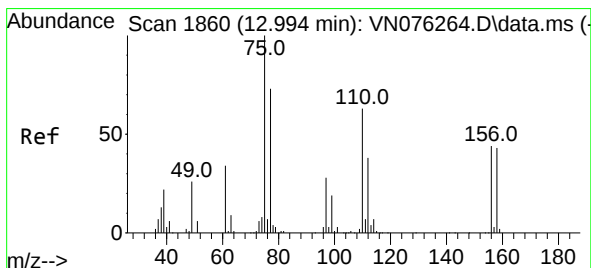
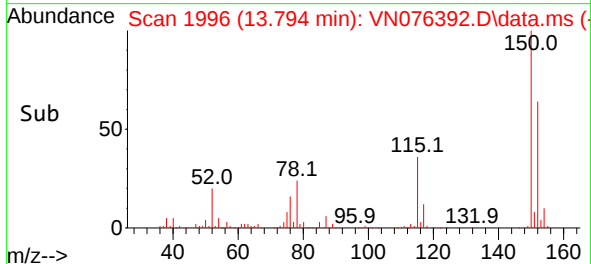
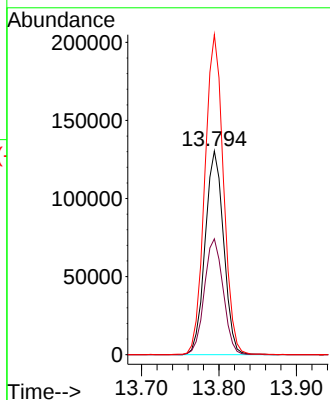
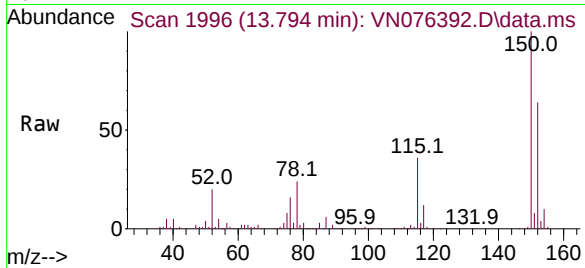




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. 0.000 min  
 Lab File: VN076392.D  
 Acq: 25 Jan 2023 11:11

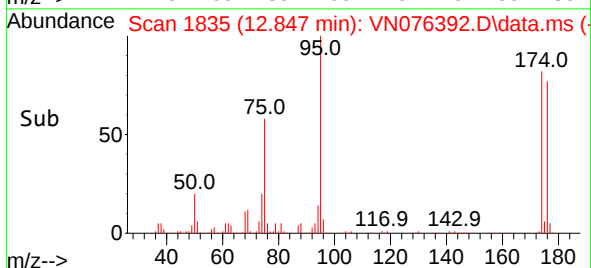
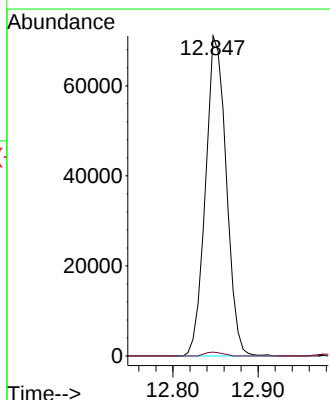
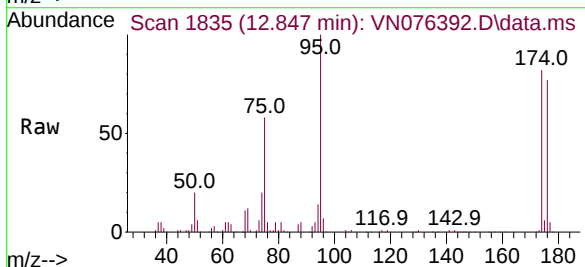
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0125WBL01

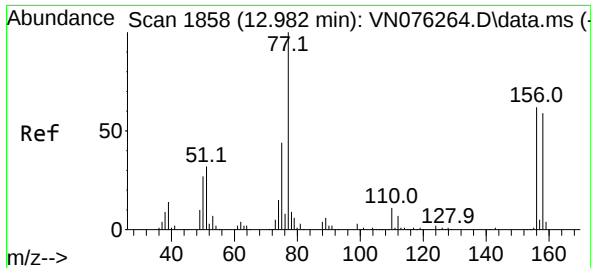
Tgt Ion:152 Resp: 216445  
 Ion Ratio Lower Upper  
 152 100  
 115 57.8 29.6 88.9  
 150 158.4 0.0 351.4



#76  
 1,2,3-Trichloropropane  
 Concen: 30.087 ug/l  
 RT: 12.847 min Scan# 1835  
 Delta R.T. -0.147 min  
 Lab File: VN076392.D  
 Acq: 25 Jan 2023 11:11

Tgt Ion: 75 Resp: 120125  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 75.2 225.6#

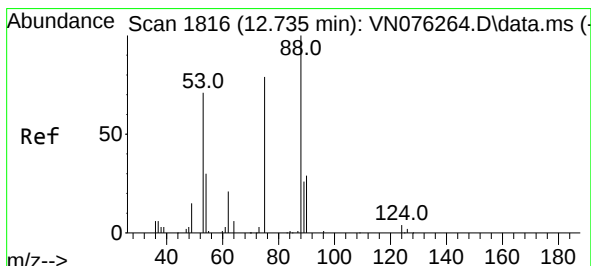
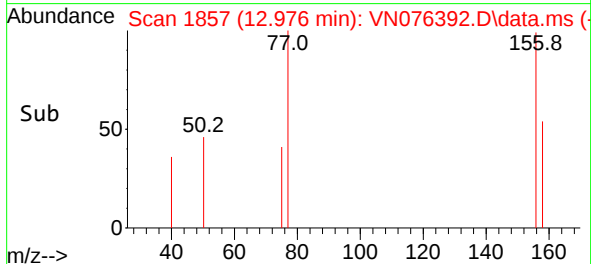
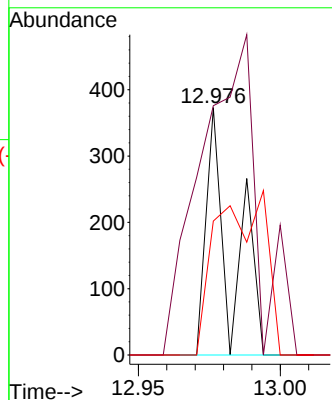
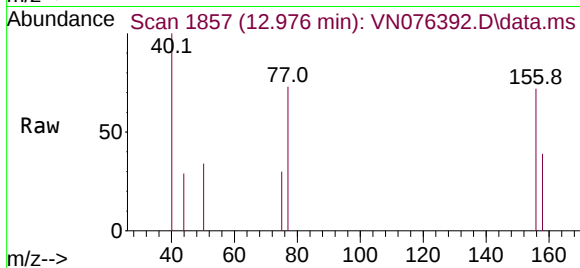




#77  
Bromobenzene  
Concen: Below Cal  
RT: 12.976 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

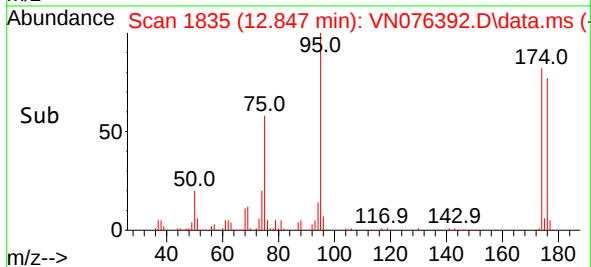
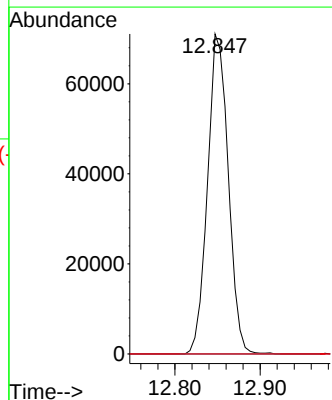
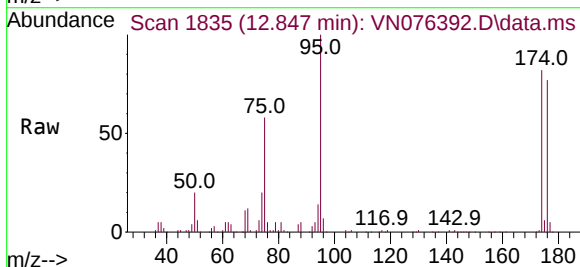
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0125WBL01

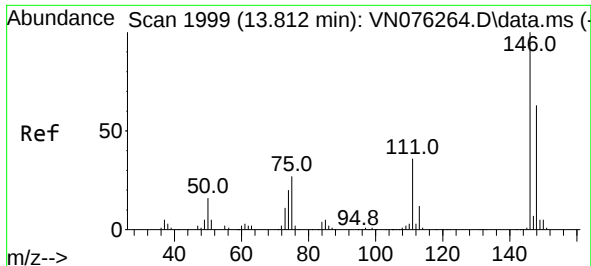
Tgt Ion:156 Resp: 226  
Ion Ratio Lower Upper  
156 100  
77 294.2 93.4 280.2#  
158 131.9 48.4 145.2



#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.341 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.112 min  
Lab File: VN076392.D  
Acq: 25 Jan 2023 11:11

Tgt Ion: 75 Resp: 120125  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.8 113.8#  
89 0.0 37.0 55.6#

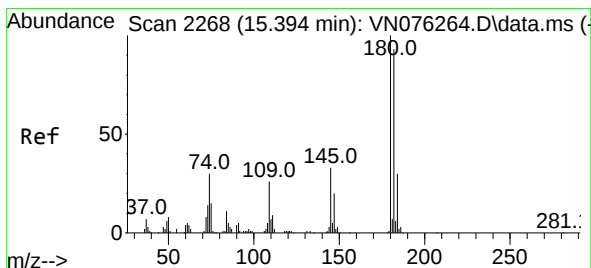
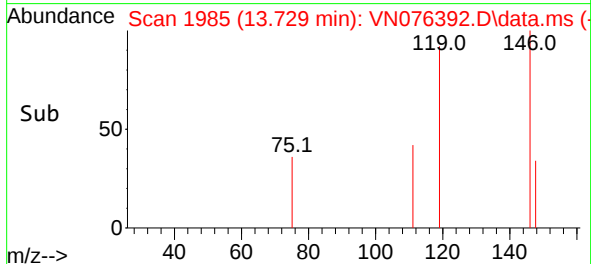
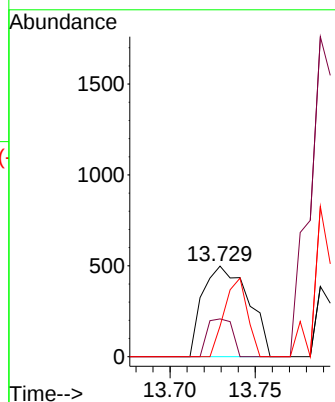
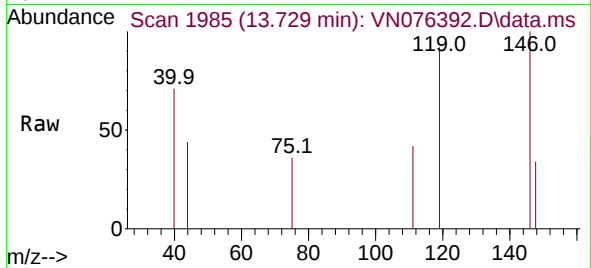




#88  
 1,4-Dichlorobenzene  
 Concen: 0.225 ug/l  
 RT: 13.729 min Scan# 1999  
 Delta R.T. -0.083 min  
 Lab File: VN076392.D  
 Acq: 25 Jan 2023 11:11

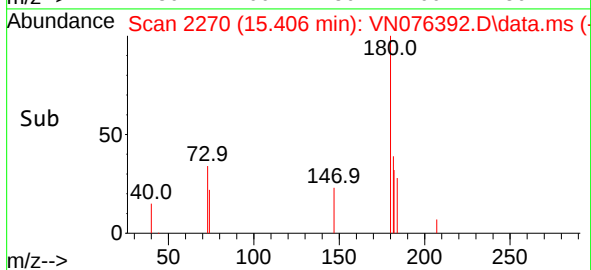
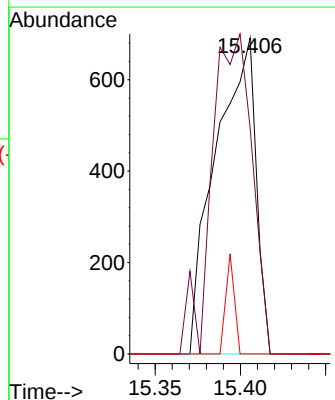
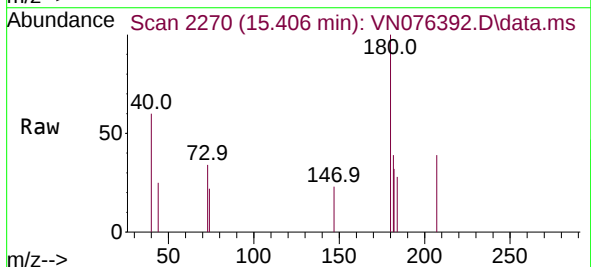
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0125WBL01

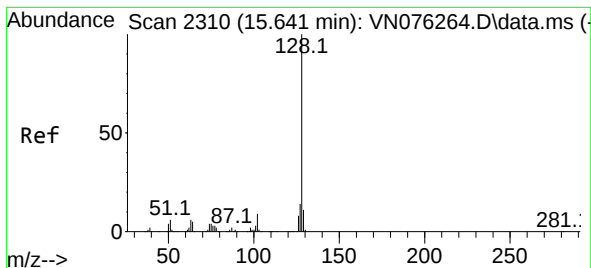
Tgt Ion:146 Resp: 932  
 Ion Ratio Lower Upper  
 146 100  
 111 22.6 19.1 57.5  
 148 43.3 31.9 95.9



#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.596 ug/l  
 RT: 15.406 min Scan# 2270  
 Delta R.T. 0.012 min  
 Lab File: VN076392.D  
 Acq: 25 Jan 2023 11:11

Tgt Ion:180 Resp: 1136  
 Ion Ratio Lower Upper  
 180 100  
 182 101.8 47.0 141.2  
 145 6.8 15.2 45.5#





#95

Naphthalene

Concen: 2.268 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076392.D

Acq: 25 Jan 2023 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VN0125WBL01

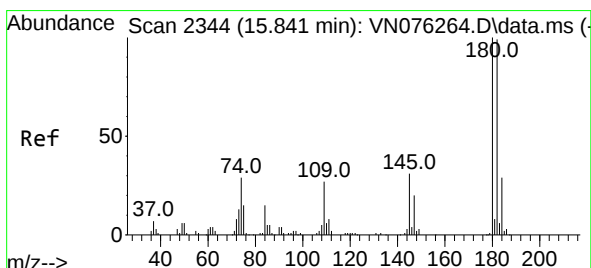
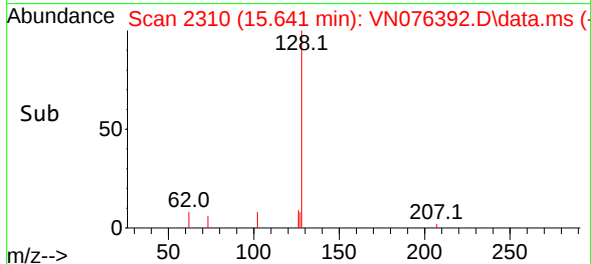
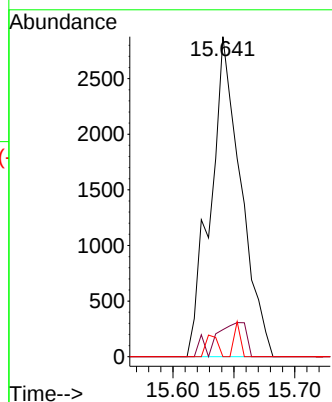
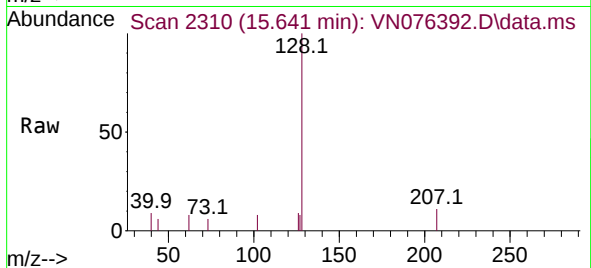
Tgt Ion:128 Resp: 5010

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 2.2 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.491 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076392.D

Acq: 25 Jan 2023 11:11

Tgt Ion:180 Resp: 1251

Ion Ratio Lower Upper

180 100

182 105.5 47.5 142.5

145 29.4 15.9 47.6

