

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
 Data File : VX038886.D  
 Acq On : 17 Nov 2023 17:25  
 Operator : JC/MD  
 Sample : 05404-02 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE105D2-20231109

Quant Time: Nov 17 22:53:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

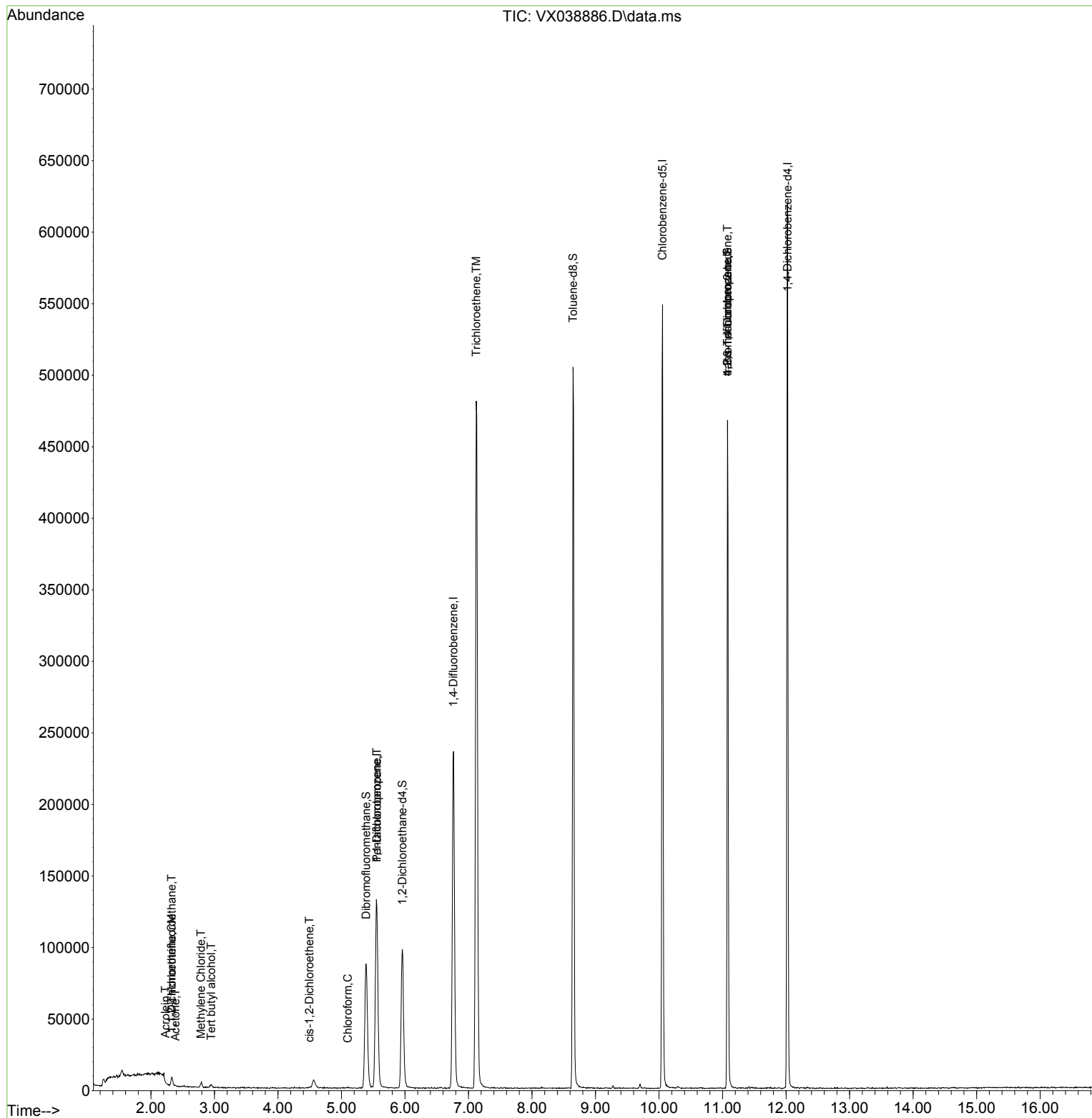
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 120139     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 242548     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 245614     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 124773     | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 91072      | 47.045   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 94.080%  |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 77580      | 44.287   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 88.580%  |        |          |
| 50) Toluene-d8                | 8.646          | 98   | 304944     | 45.499   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 91.000%# |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 130483     | 48.634   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 97.260%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.324          | 101  | 1936       | 1.305    | ug/l   | 90       |
| 11) Tert butyl alcohol        | 2.946          | 59   | 1191       | 2.212    | ug/l   | 100      |
| 12) 1,1-Dichloroethene        | 2.324          | 96   | 740        | 0.494    | ug/l   | 94       |
| 13) Acrolein                  | 2.227          | 56   | 252        | 0.885    | ug/l # | 14       |
| 16) Acetone                   | 2.385          | 43   | 786        | 0.763    | ug/l # | 59       |
| 20) Methylene Chloride        | 2.788          | 84   | 1681       | 0.905    | ug/l   | 89       |
| 27) cis-1,2-Dichloroethene    | 4.495          | 96   | 502        | 0.261    | ug/l   | 57       |
| 30) Chloroform                | 5.098          | 83   | 622        | 0.207    | ug/l   | 93       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 10863      | 4.327    | ug/l # | 51       |
| 44) Trichloroethene           | 7.122          | 130  | 182264     | 100.838  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 67302      | 21.619   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 67302      | 47.954   | ug/l # | 5        |
| -----                         |                |      |            |          |        |          |

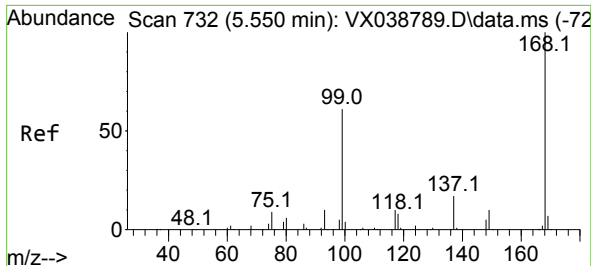
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
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Sample : 05404-02 20X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

Quant Time: Nov 17 22:53:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

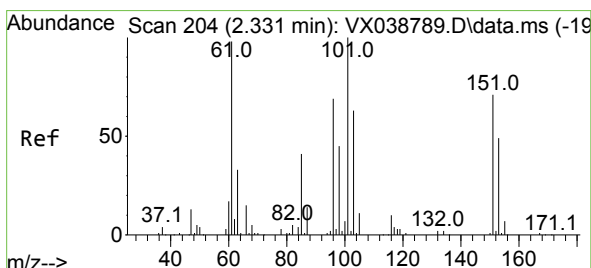
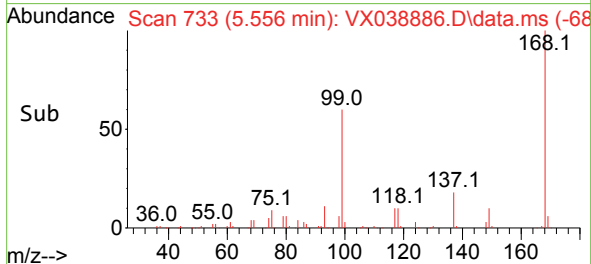
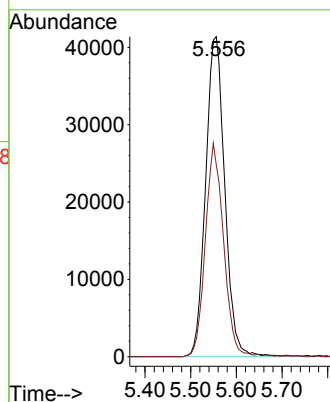
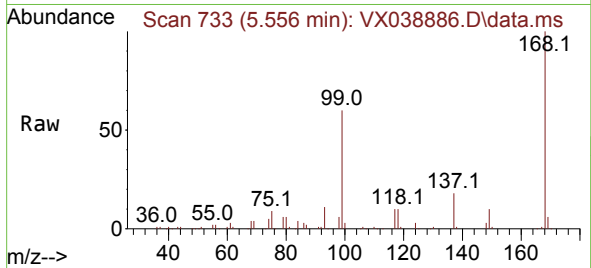




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

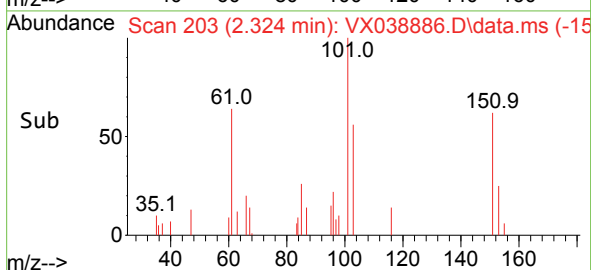
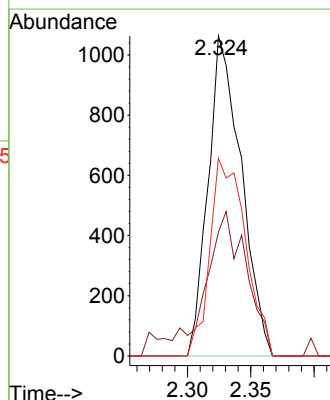
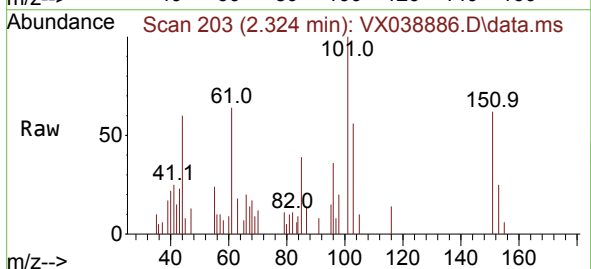
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

Tgt Ion:168 Resp: 120139  
Ion Ratio Lower Upper  
168 100  
99 60.1 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.305 ug/l  
RT: 2.324 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

Tgt Ion:101 Resp: 1936  
Ion Ratio Lower Upper  
101 100  
85 54.4 37.0 55.6  
151 66.5 58.6 87.8





#11

Tert butyl alcohol

Concen: 2.212 ug/l

RT: 2.946 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX038886.D

Acq: 17 Nov 2023 17:25

Instrument :

MSVOA\_X

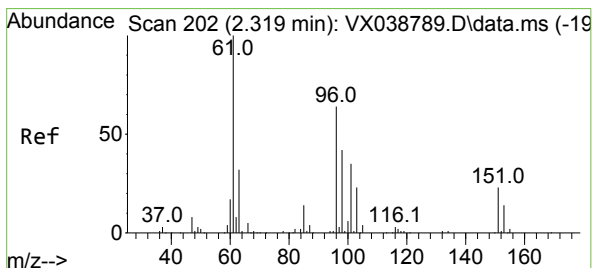
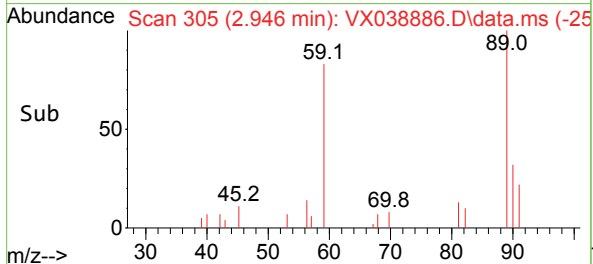
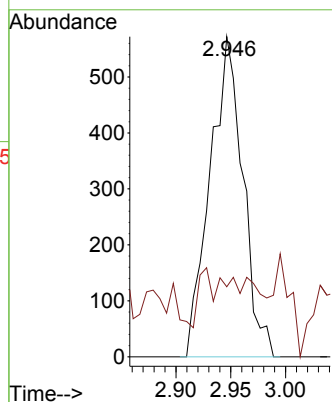
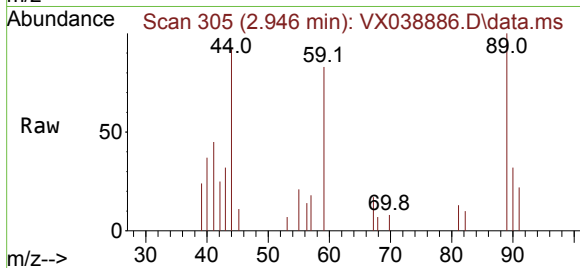
ClientSampleId :

RE105D2-20231109

Tgt Ion: 59 Resp: 1191

Ion Ratio Lower Upper

|    |     |     |     |
|----|-----|-----|-----|
| 59 | 100 |     |     |
| 57 | 7.6 | 6.0 | 9.0 |



#12

1,1-Dichloroethene

Concen: 0.494 ug/l

RT: 2.324 min Scan# 203

Delta R.T. 0.006 min

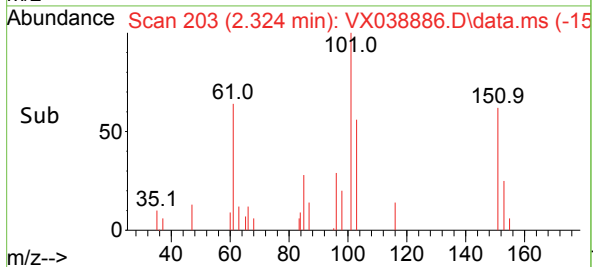
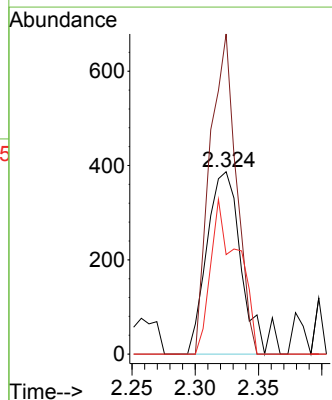
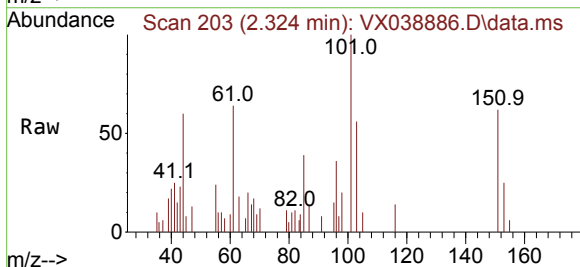
Lab File: VX038886.D

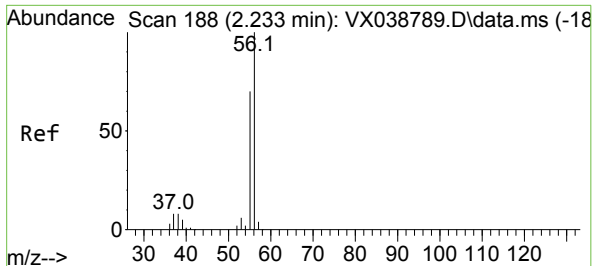
Acq: 17 Nov 2023 17:25

Tgt Ion: 96 Resp: 740

Ion Ratio Lower Upper

|    |       |       |       |
|----|-------|-------|-------|
| 96 | 100   |       |       |
| 61 | 175.5 | 144.6 | 216.8 |
| 98 | 54.5  | 50.4  | 75.6  |

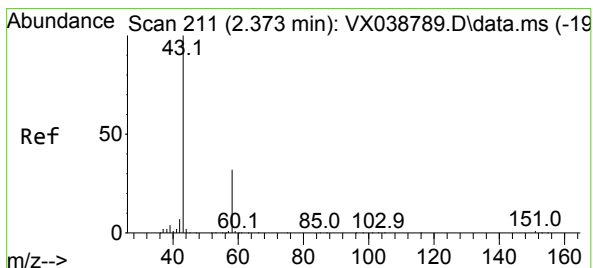
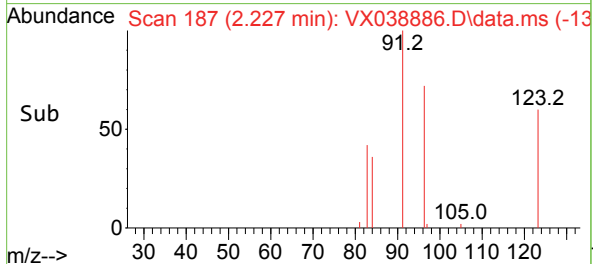
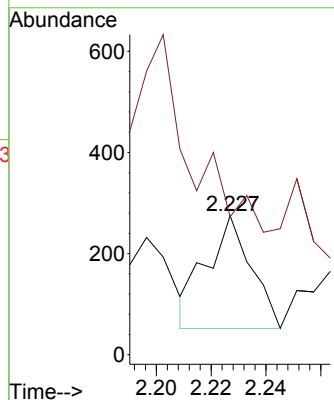
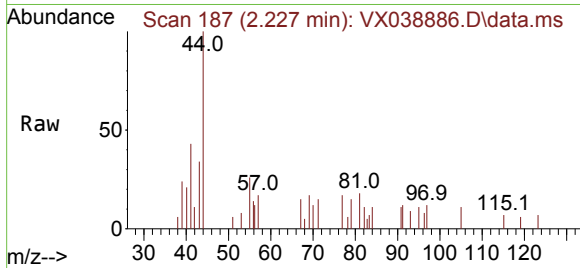




#13  
Acrolein  
Concen: 0.885 ug/l  
RT: 2.227 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

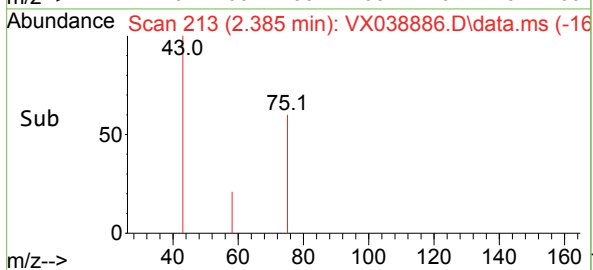
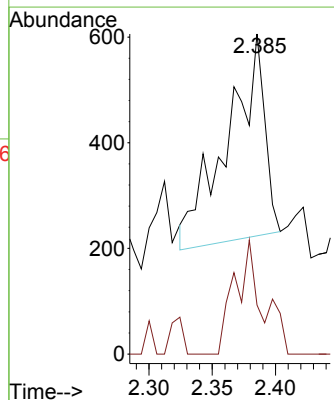
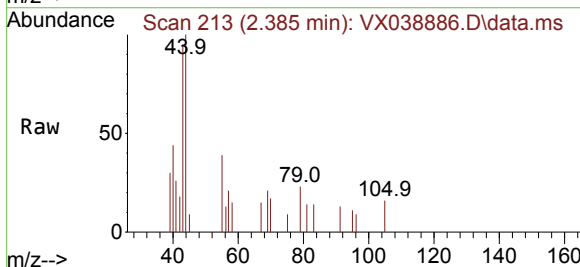
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

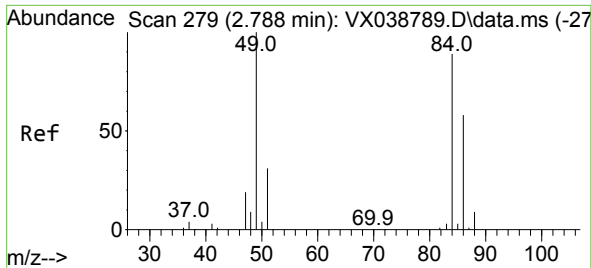
Tgt Ion: 56 Resp: 252  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



#16  
Acetone  
Concen: 0.763 ug/l  
RT: 2.385 min Scan# 213  
Delta R.T. 0.012 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

Tgt Ion: 43 Resp: 786  
Ion Ratio Lower Upper  
43 100  
58 6.1 21.9 32.9#

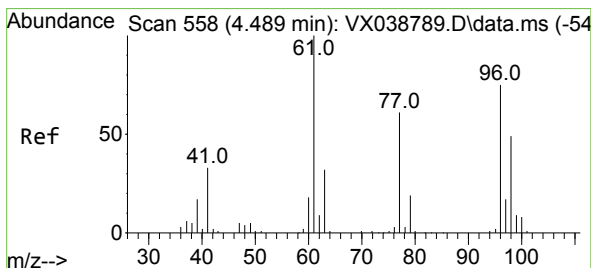
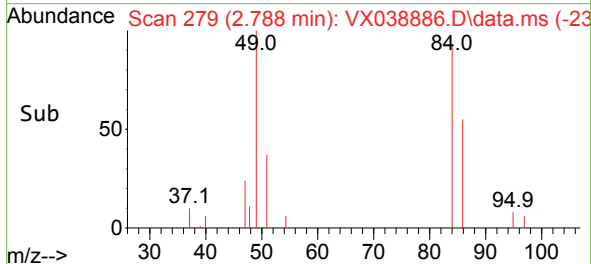
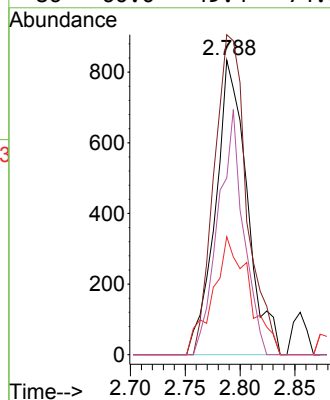
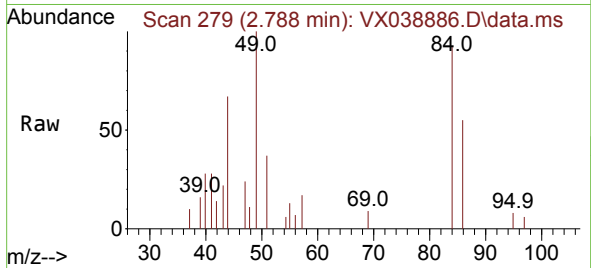




#20  
Methylene Chloride  
Concen: 0.905 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

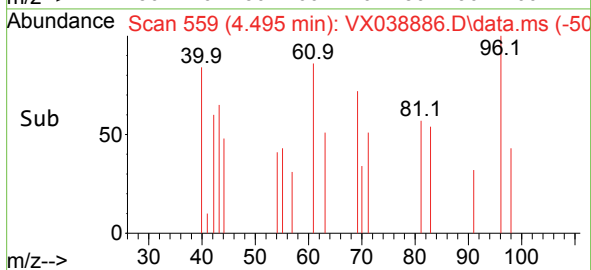
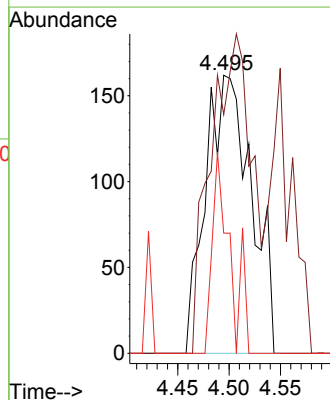
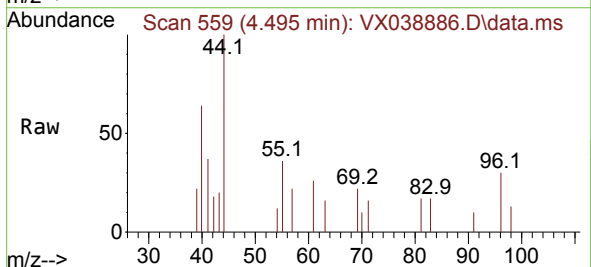
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

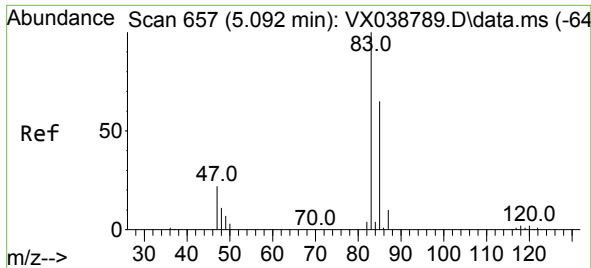
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1681  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 108.6 | 103.6 | 155.4 |
| 51       | 40.0  | 33.8  | 50.6  |
| 86       | 60.0  | 49.4  | 74.0  |



#27  
cis-1,2-Dichloroethene  
Concen: 0.261 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 502   |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 102.0 | 0.0   | 312.2 |
| 98       | 28.1  | 0.0   | 129.0 |

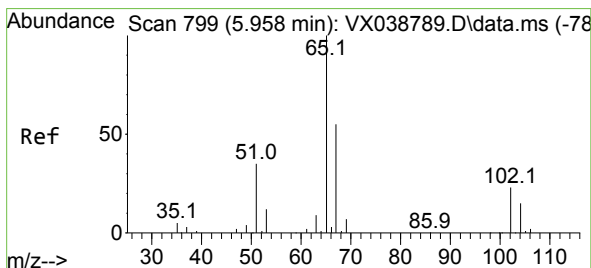
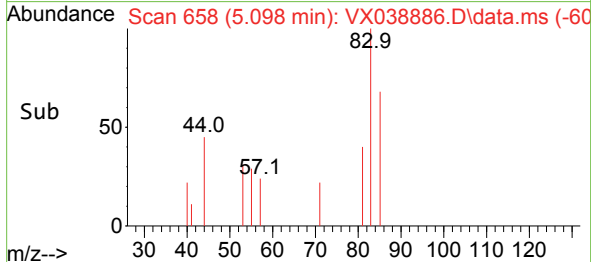
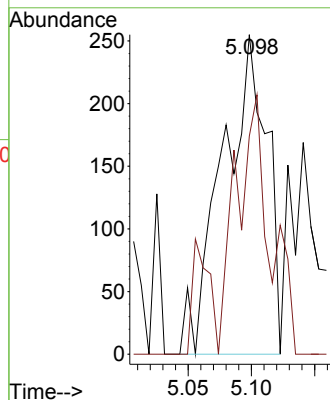
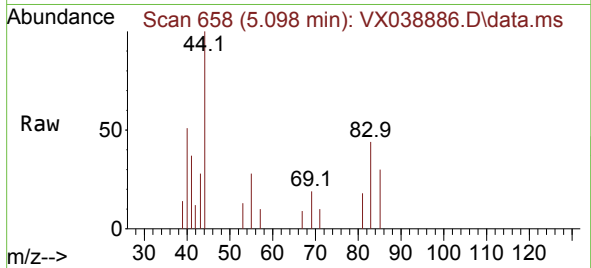




#30  
Chloroform  
Concen: 0.207 ug/l  
RT: 5.098 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

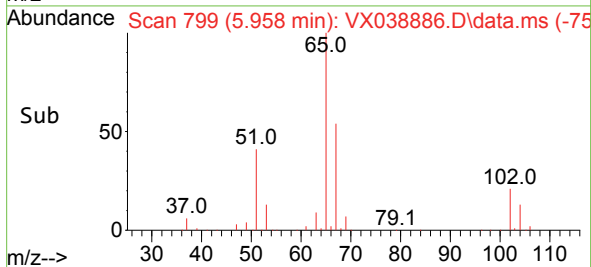
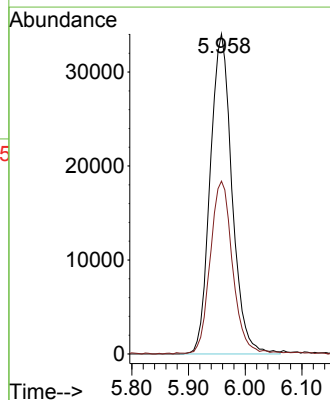
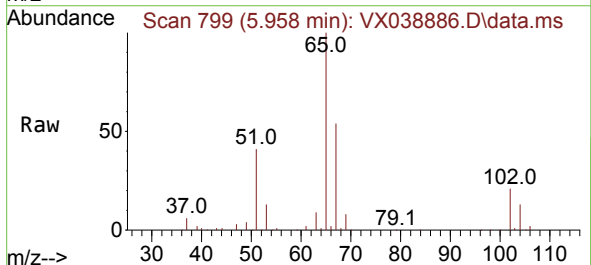
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ClientSampleId :  
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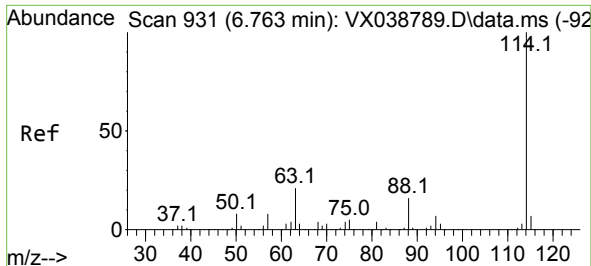
Tgt Ion: 83 Resp: 622  
Ion Ratio Lower Upper  
83 100  
85 68.2 50.3 75.5



#33  
1,2-Dichloroethane-d4  
Concen: 47.045 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

Tgt Ion: 65 Resp: 91072  
Ion Ratio Lower Upper  
65 100  
67 55.7 0.0 100.2

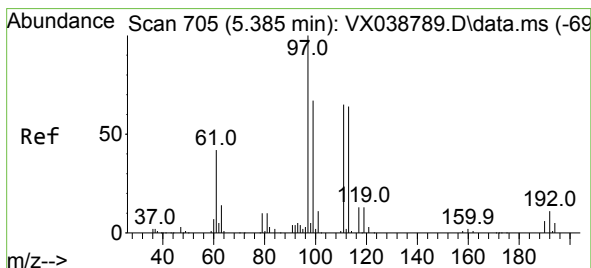
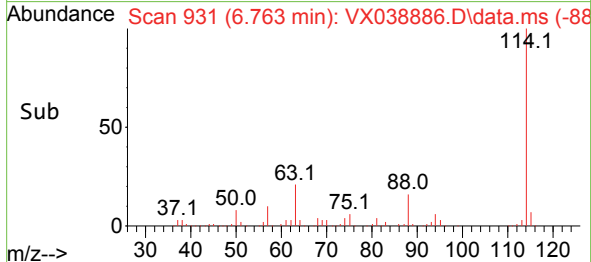
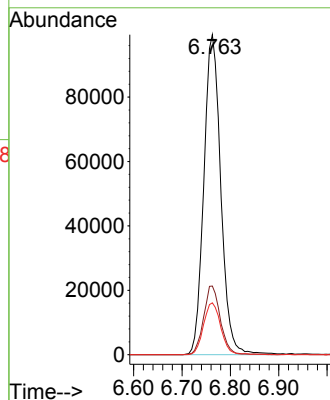
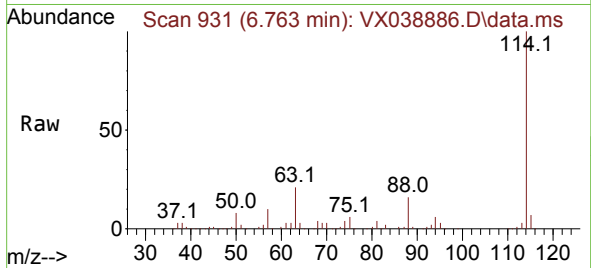




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

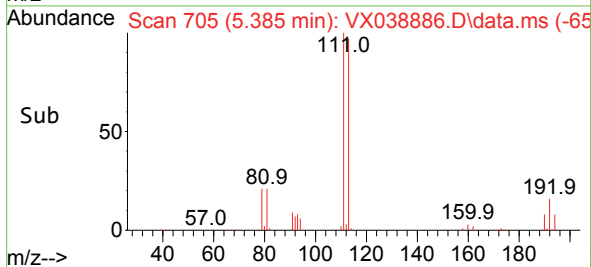
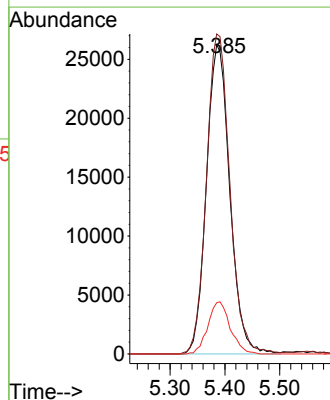
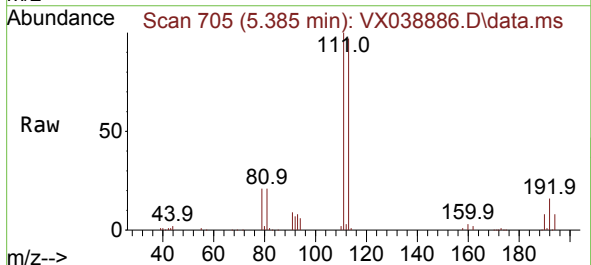
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

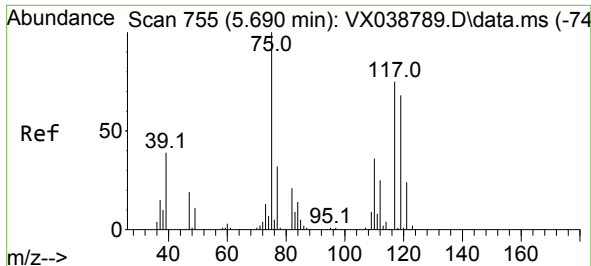
Tgt Ion:114 Resp: 242548  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 45.0  
88 16.2 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.287 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

Tgt Ion:113 Resp: 77580  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.9 124.3  
192 16.1 13.3 19.9

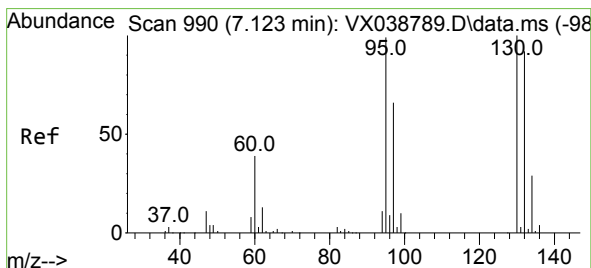
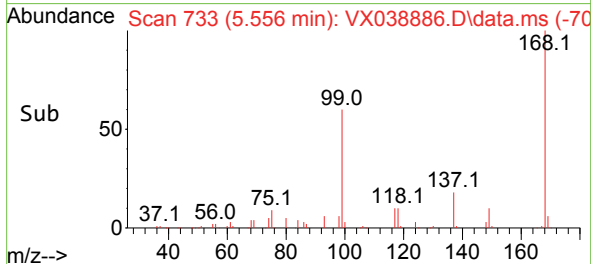
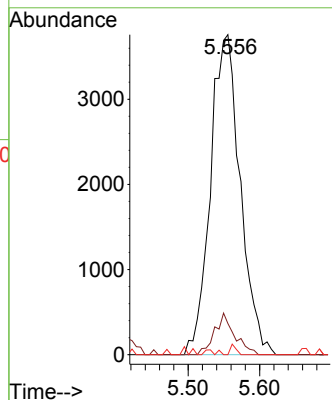
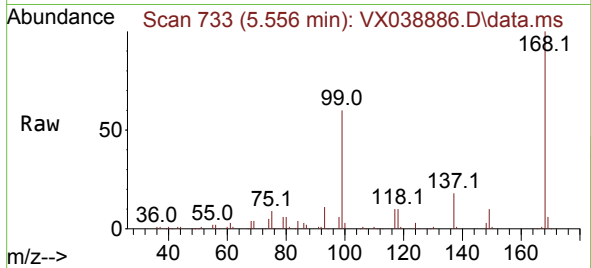




#36  
1,1-Dichloropropene  
Concen: 4.327 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

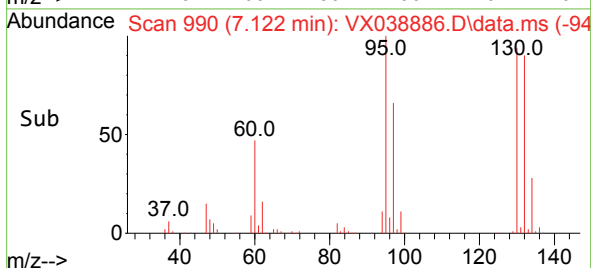
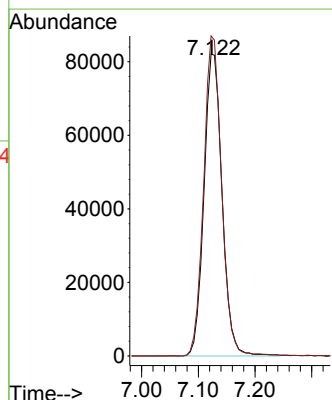
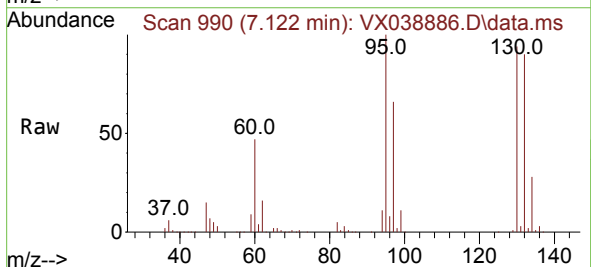
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

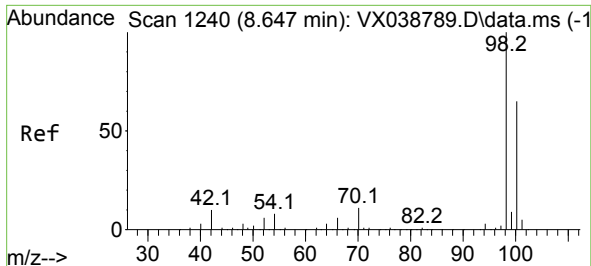
Tgt Ion: 75 Resp: 10863  
Ion Ratio Lower Upper  
75 100  
110 8.8 17.0 50.9#  
77 0.6 24.7 37.1#



#44  
Trichloroethene  
Concen: 100.838 ug/l  
RT: 7.122 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

Tgt Ion:130 Resp: 182264  
Ion Ratio Lower Upper  
130 100  
95 106.1 0.0 204.4

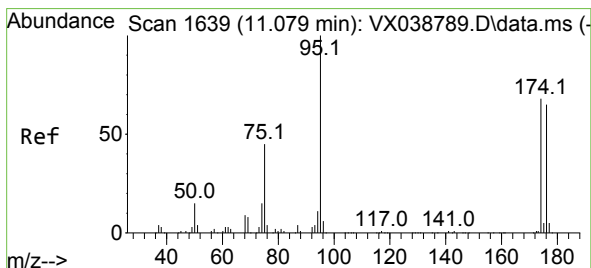
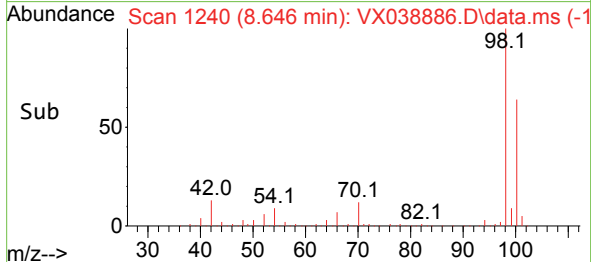
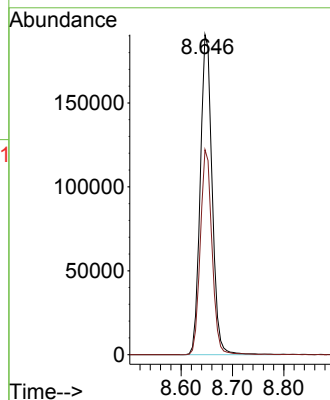
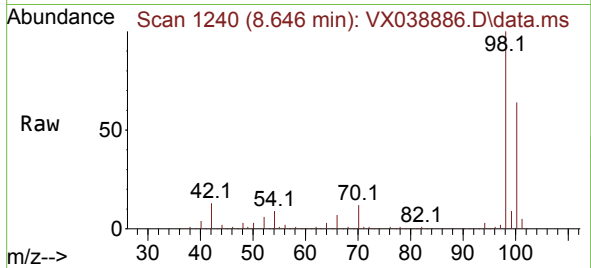




#50  
Toluene-d8  
Concen: 45.499 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

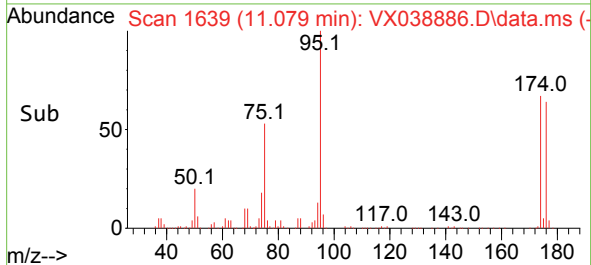
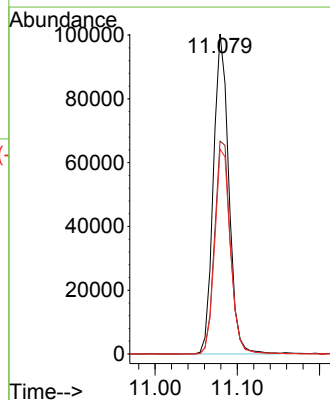
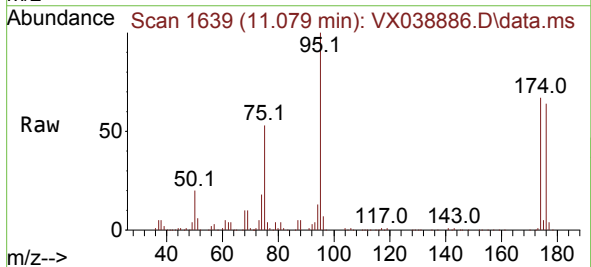
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

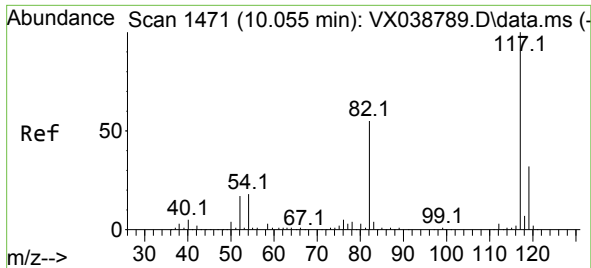
Tgt Ion: 98 Resp: 304944  
Ion Ratio Lower Upper  
98 100  
100 63.4 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 48.634 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

Tgt Ion: 95 Resp: 130483  
Ion Ratio Lower Upper  
95 100  
174 68.6 0.0 135.6  
176 65.5 0.0 131.0

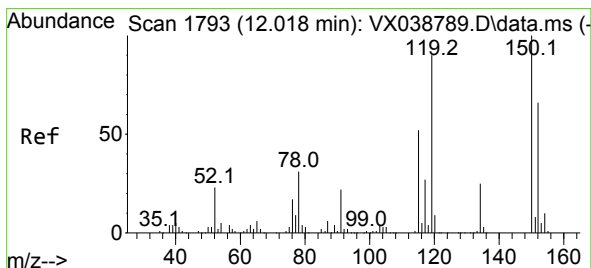
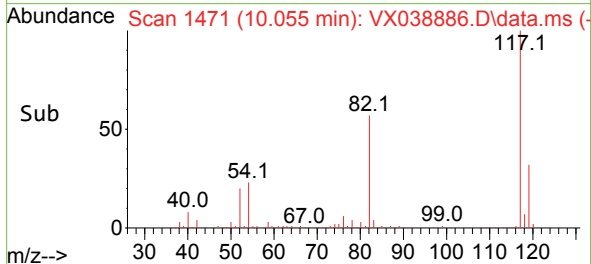
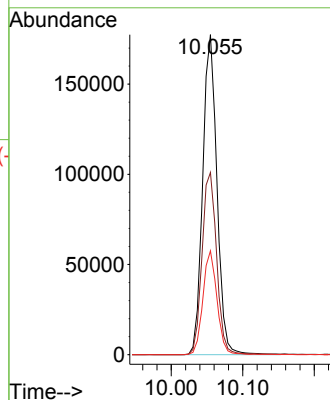
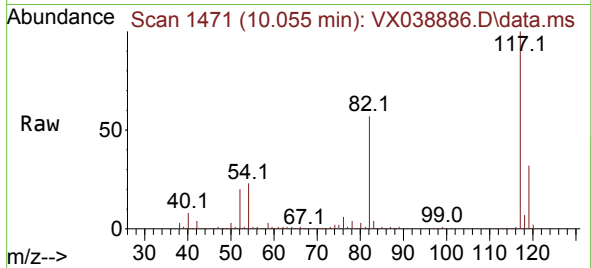




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

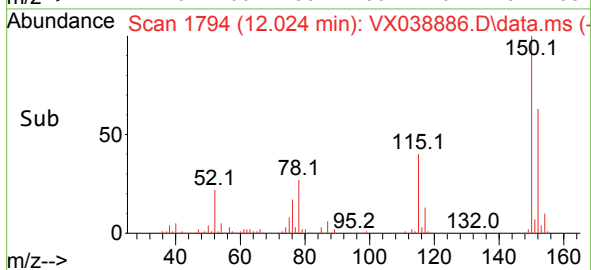
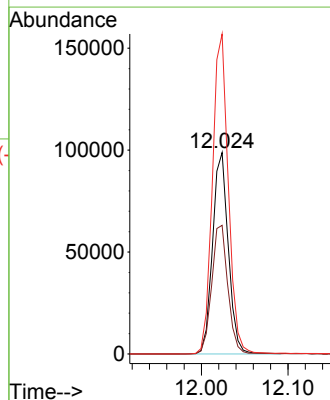
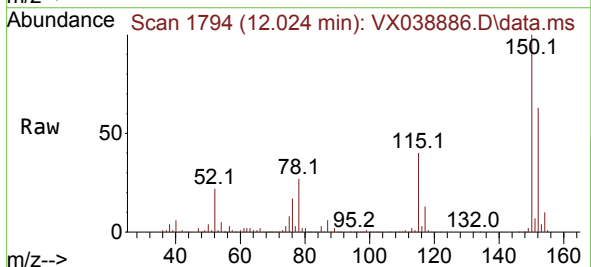
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20231109

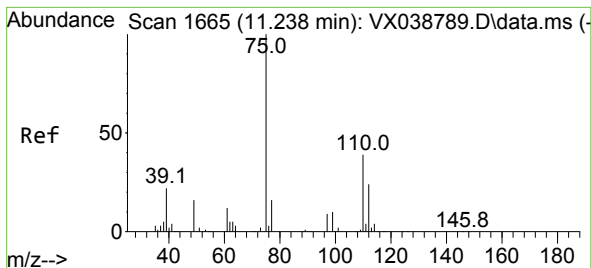
Tgt Ion:117 Resp: 245614  
Ion Ratio Lower Upper  
117 100  
82 57.0 46.2 69.4  
119 32.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX038886.D  
Acq: 17 Nov 2023 17:25

Tgt Ion:152 Resp: 124773  
Ion Ratio Lower Upper  
152 100  
115 65.9 43.3 129.9  
150 161.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.619 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038886.D

Acq: 17 Nov 2023 17:25

Instrument :

MSVOA\_X

ClientSampleId :

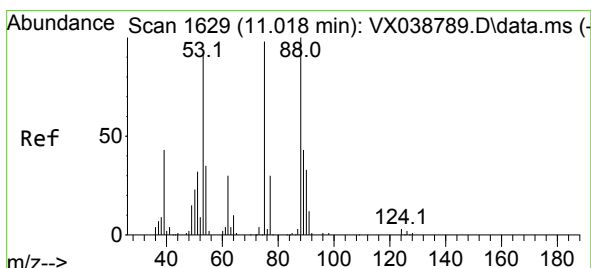
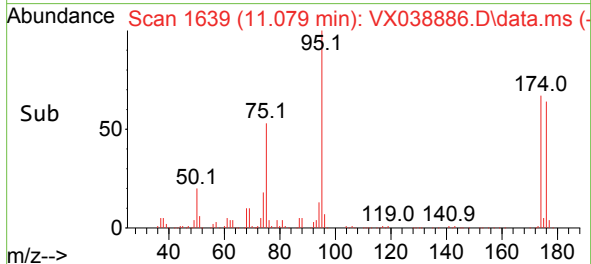
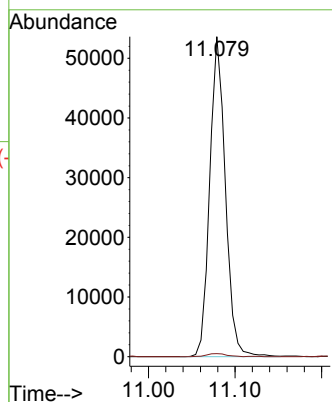
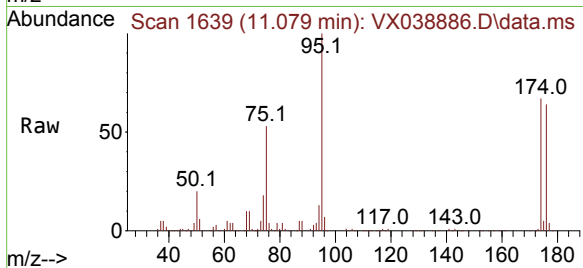
RE105D2-20231109

Tgt Ion: 75 Resp: 67302

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.954 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038886.D

Acq: 17 Nov 2023 17:25

Tgt Ion: 75 Resp: 67302

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

