

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022624\  
 Data File : VX040461.D  
 Acq On : 26 Feb 2024 15:30  
 Operator : JC/MD  
 Sample : P1578-06 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE115D2-20240222

Quant Time: Feb 27 05:09:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 27 05:01:33 2024  
 Response via : Initial Calibration

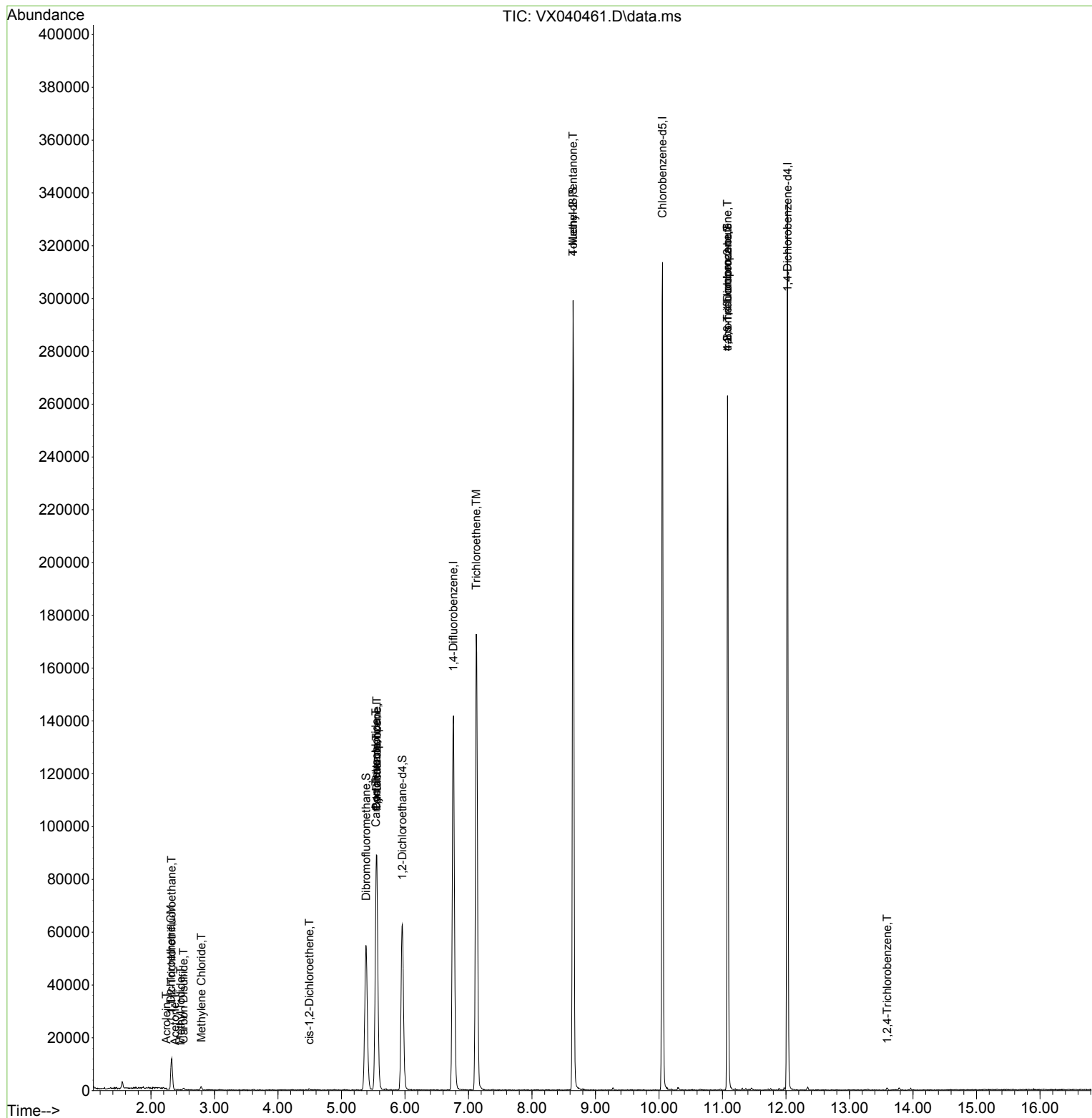
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 78438    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 138026   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 134744   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 66769    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 63884    | 48.695   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 97.380%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 45985    | 47.910   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.820%  |
| 50) Toluene-d8                | 8.647  | 98    | 173868   | 49.904   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 99.800%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 67757    | 51.019   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 102.040% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.325  | 101   | 2960     | 3.325    | ug/l   | 97       |
| 10) Methyl Iodide             | 2.465  | 142   | 48       | 3.055    | ug/l # | 34       |
| 12) 1,1-Dichloroethene        | 2.313  | 96    | 1812     | 2.028    | ug/l # | 72       |
| 13) Acrolein                  | 2.240  | 56    | 108      | 0.764    | ug/l # | 14       |
| 16) Acetone                   | 2.380  | 43    | 173      | 0.404    | ug/l # | 47       |
| 17) Carbon Disulfide          | 2.514  | 76    | 821      | 0.332    | ug/l # | 76       |
| 20) Methylene Chloride        | 2.794  | 84    | 490      | 0.479    | ug/l # | 63       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 283      | 0.254    | ug/l   | 55       |
| 31) Cyclohexane               | 5.550  | 56    | 2224     | 1.496    | ug/l # | 30       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 7431     | 5.025    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 9012     | 6.308    | ug/l # | 16       |
| 44) Trichloroethene           | 7.123  | 130   | 61755    | 57.354   | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 911      | 0.543    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 38694    | 26.332   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 38694    | 76.568   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 430      | 0.298    | ug/l # | 75       |
| -----                         |        |       |          |          |        |          |

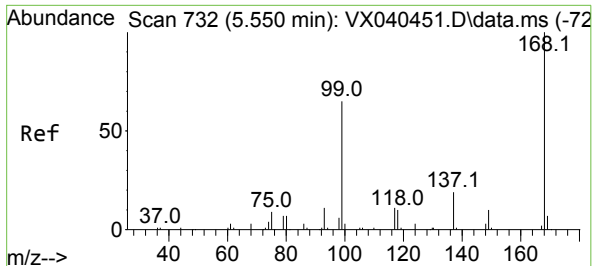
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022624\  
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Sample : P1578-06 20X  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

Quant Time: Feb 27 05:09:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 27 05:01:33 2024  
Response via : Initial Calibration

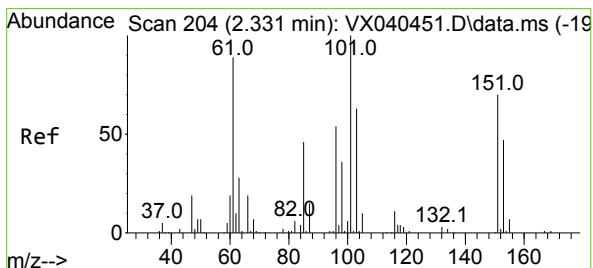
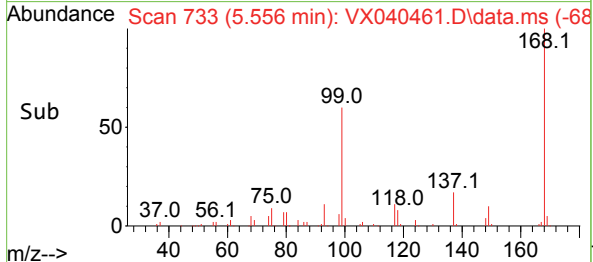
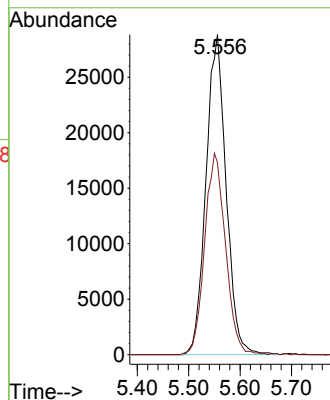
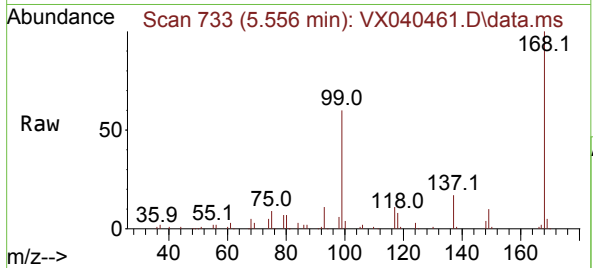




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

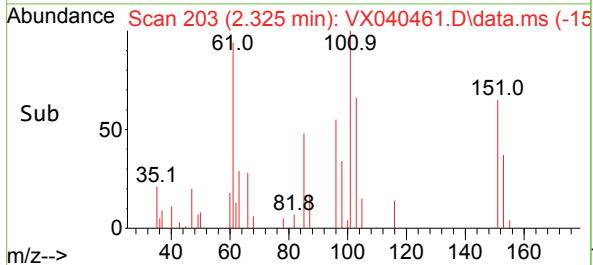
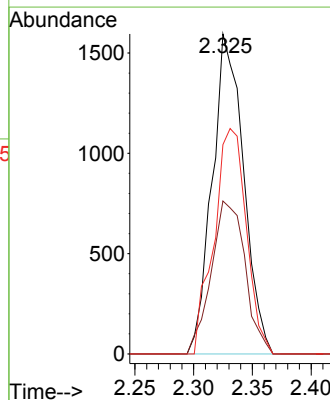
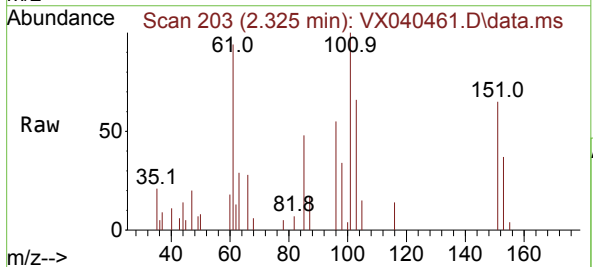
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

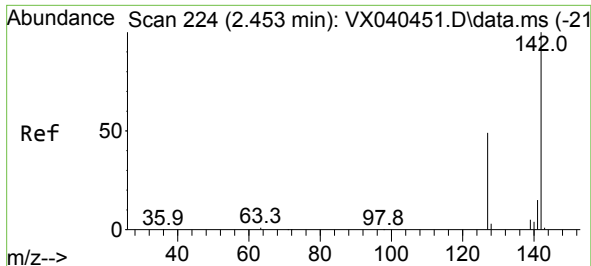
Tgt Ion:168 Resp: 78438  
Ion Ratio Lower Upper  
168 100  
99 60.0 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.325 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Tgt Ion:101 Resp: 2960  
Ion Ratio Lower Upper  
101 100  
85 51.6 37.0 55.6  
151 73.0 58.6 87.8

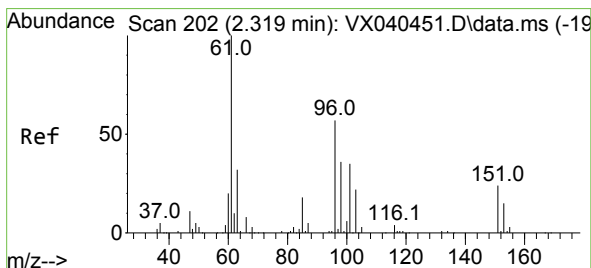
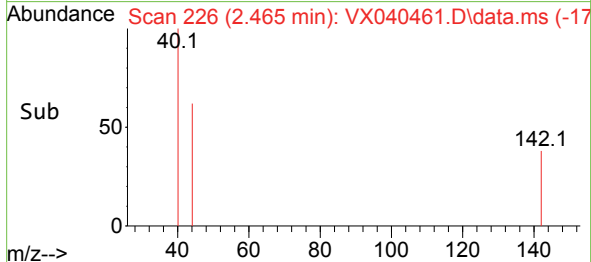
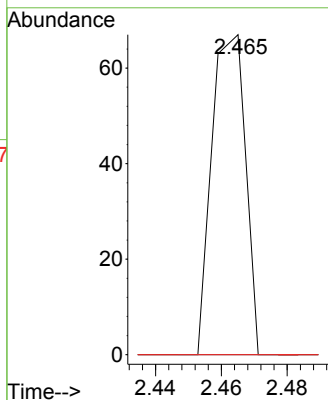
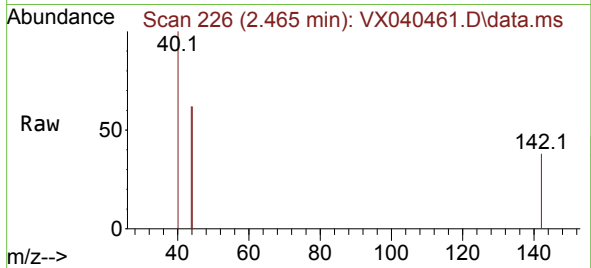




#10  
Methyl Iodide  
Concen: 3.055 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

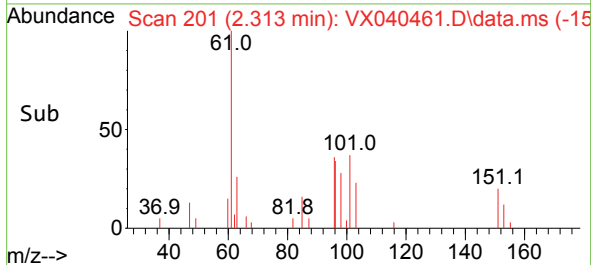
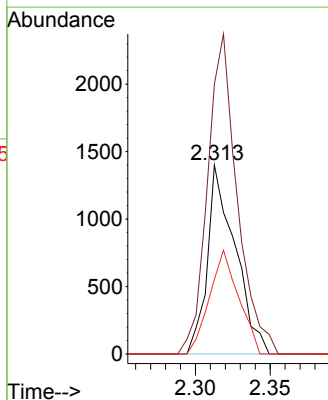
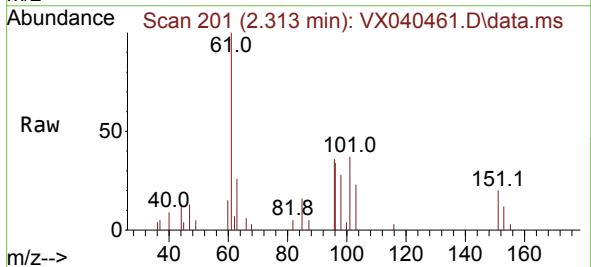
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

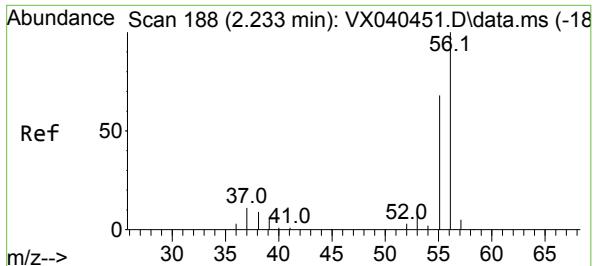
Tgt Ion:142 Resp: 48  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.6 62.4#  
141 0.0 11.6 17.4#



#12  
1,1-Dichloroethene  
Concen: 2.028 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.006 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Tgt Ion: 96 Resp: 1812  
Ion Ratio Lower Upper  
96 100  
61 142.6 144.6 216.8#  
98 39.5 50.4 75.6#

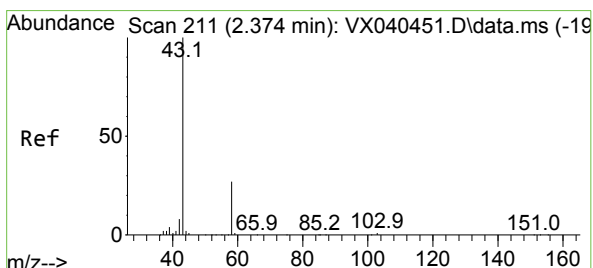
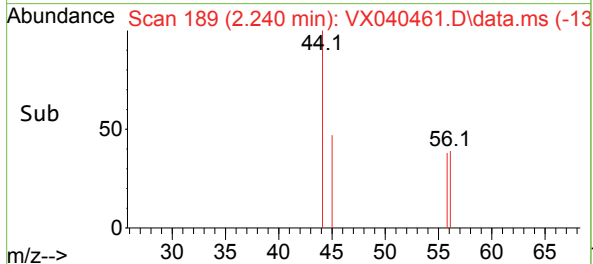
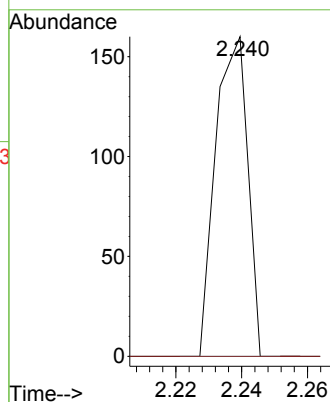
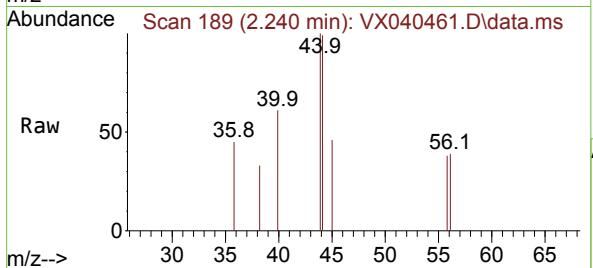




#13  
Acrolein  
Concen: 0.764 ug/l  
RT: 2.240 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

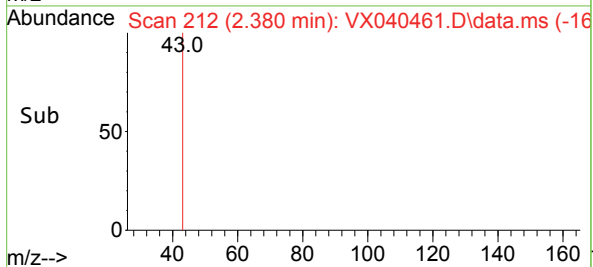
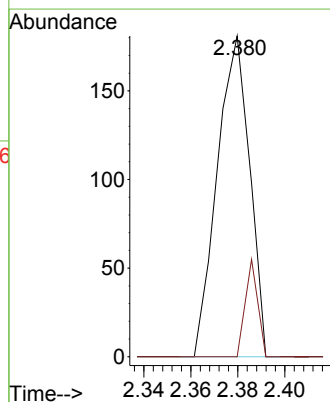
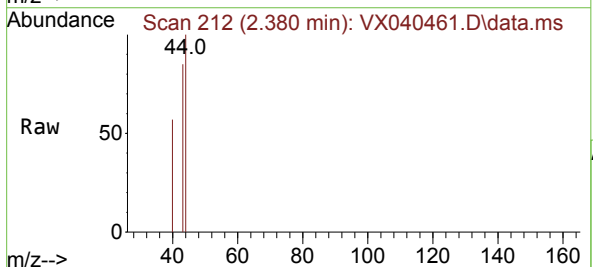
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

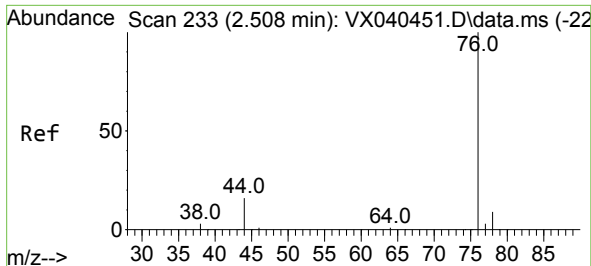
Tgt Ion: 56 Resp: 108  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



#16  
Acetone  
Concen: 0.404 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Tgt Ion: 43 Resp: 173  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.332 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040461.D

Acq: 26 Feb 2024 15:30

Instrument :

MSVOA\_X

ClientSampleId :

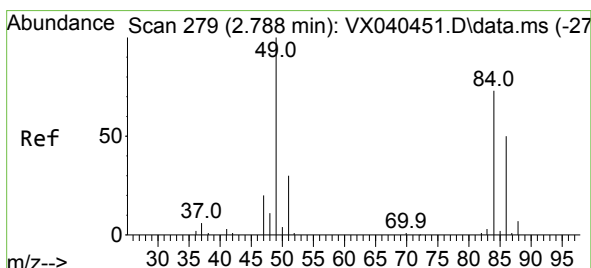
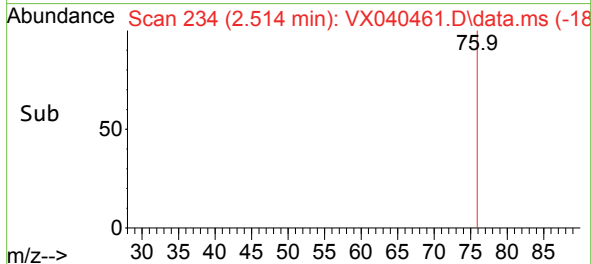
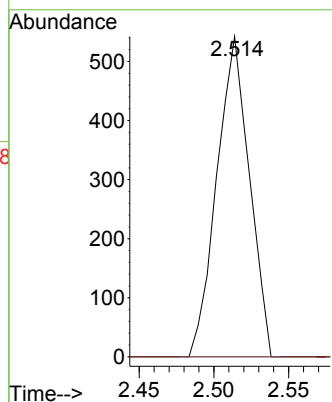
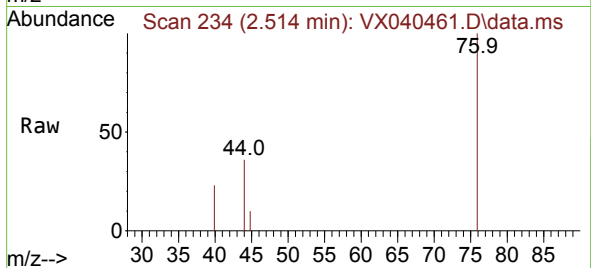
RE115D2-20240222

Tgt Ion: 76 Resp: 821

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.479 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040461.D

Acq: 26 Feb 2024 15:30

Tgt Ion: 84 Resp: 490

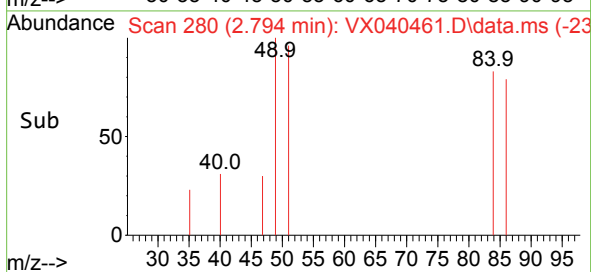
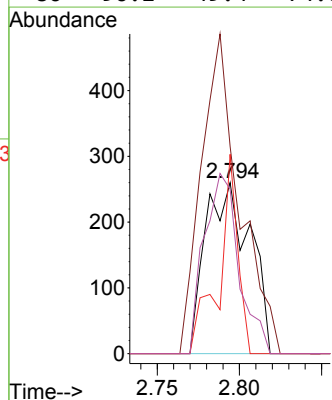
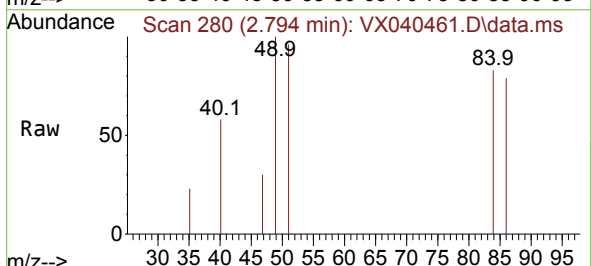
Ion Ratio Lower Upper

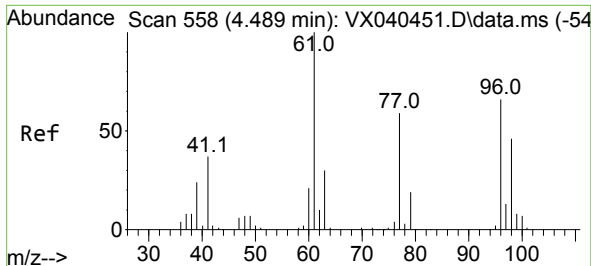
84 100

49 121.2 103.6 155.4

51 116.5 33.8 50.6#

86 96.2 49.4 74.0#

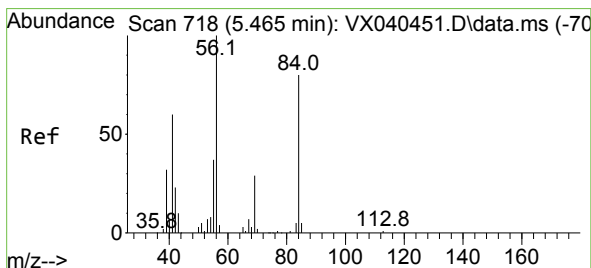
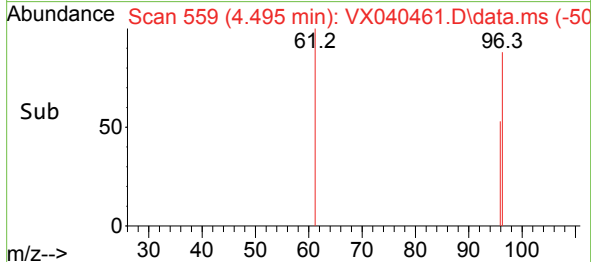
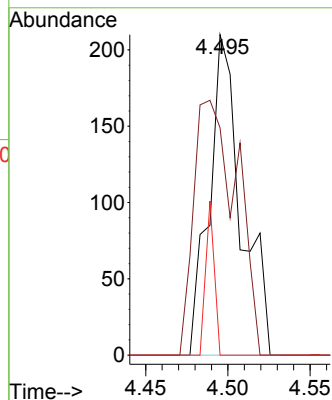
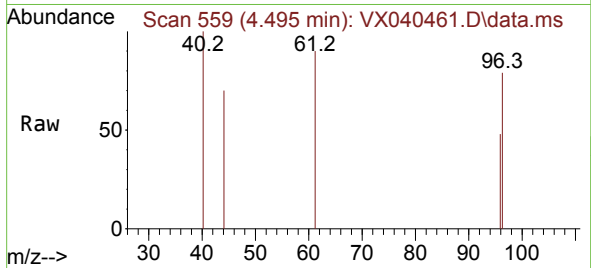




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.254 ug/l  
 RT: 4.495 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VX040461.D  
 Acq: 26 Feb 2024 15:30

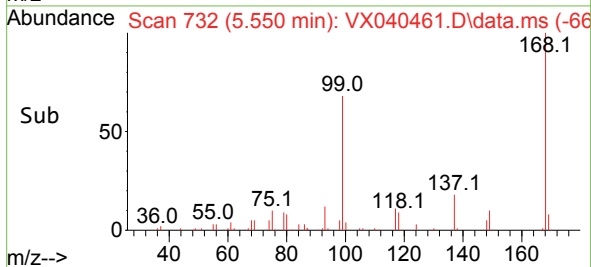
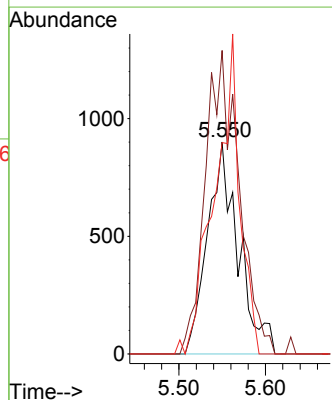
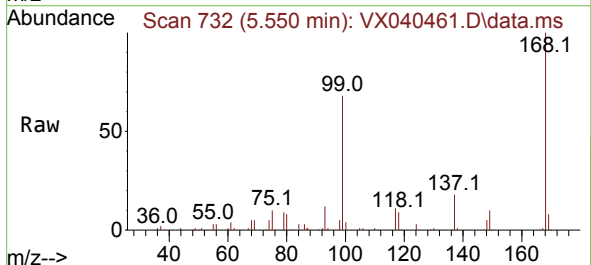
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 RE115D2-20240222

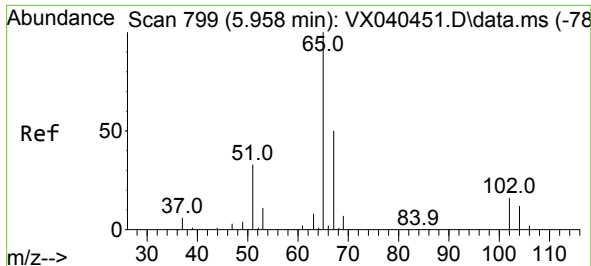
Tgt Ion: 96 Resp: 283  
 Ion Ratio Lower Upper  
 96 100  
 61 107.8 0.0 312.2  
 98 13.1 0.0 129.0



#31  
 Cyclohexane  
 Concen: 1.496 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. 0.085 min  
 Lab File: VX040461.D  
 Acq: 26 Feb 2024 15:30

Tgt Ion: 56 Resp: 2224  
 Ion Ratio Lower Upper  
 56 100  
 69 143.2 23.4 35.2#  
 84 99.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.695 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX040461.D

Acq: 26 Feb 2024 15:30

Instrument :

MSVOA\_X

ClientSampleId :

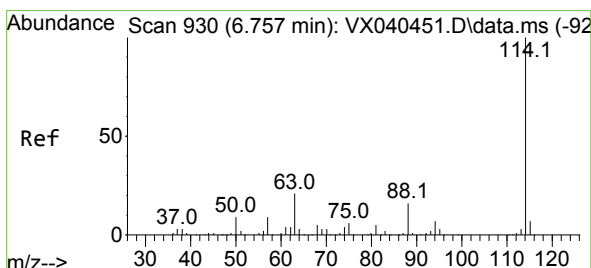
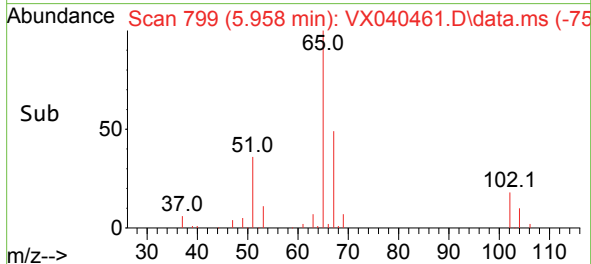
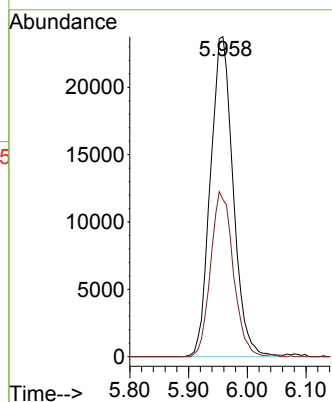
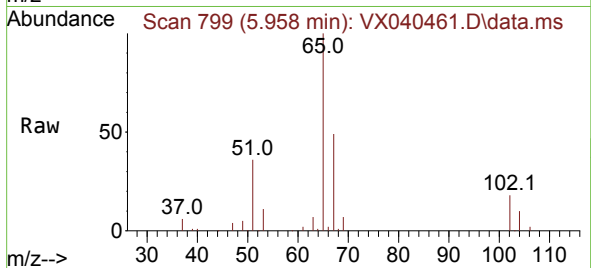
RE115D2-20240222

Tgt Ion: 65 Resp: 63884

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040461.D

Acq: 26 Feb 2024 15:30

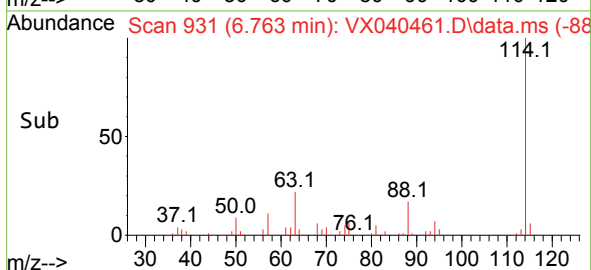
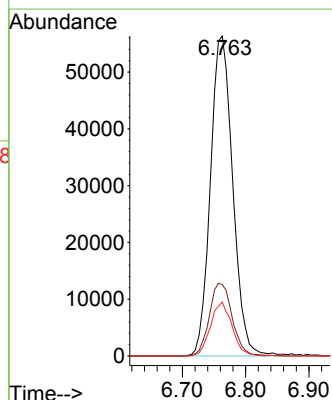
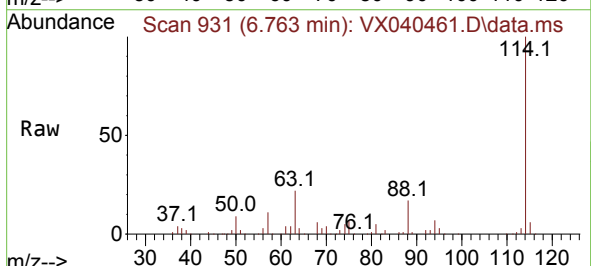
Tgt Ion: 114 Resp: 138026

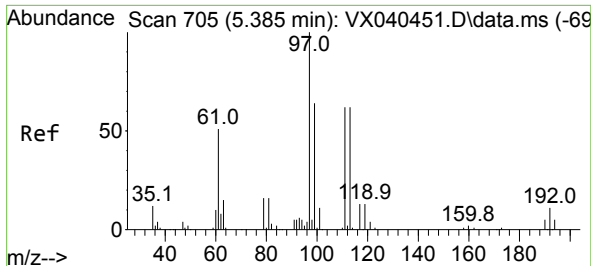
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 16.8 0.0 36.6

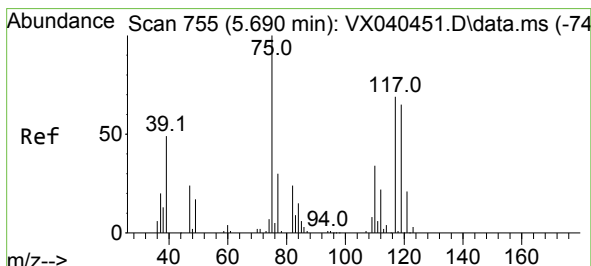
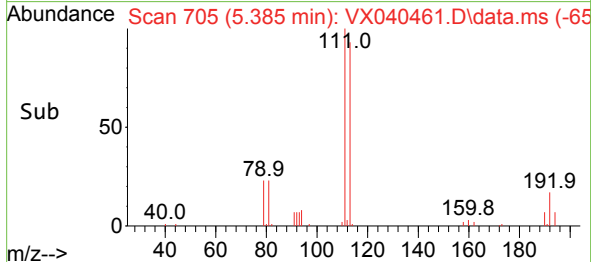
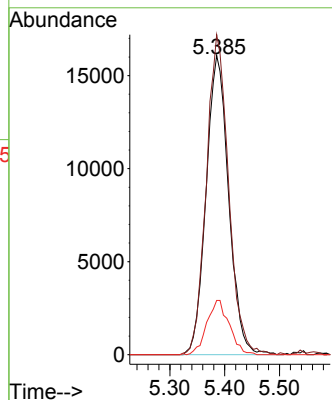
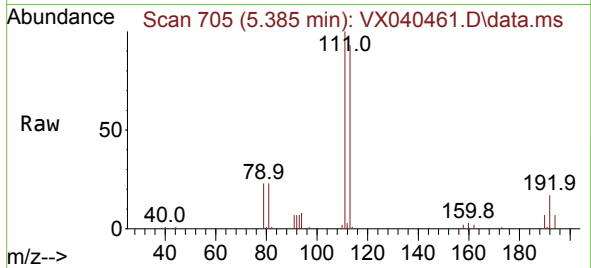




#35  
Dibromofluoromethane  
Concen: 47.910 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

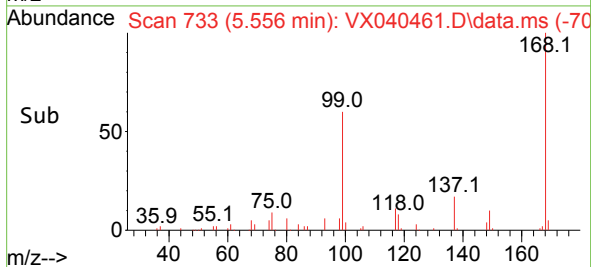
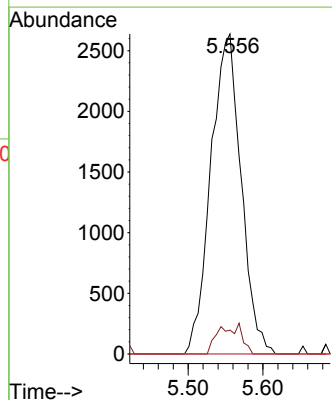
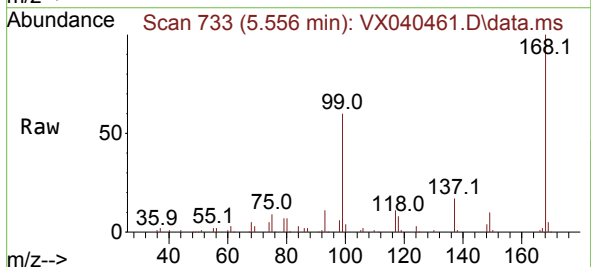
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

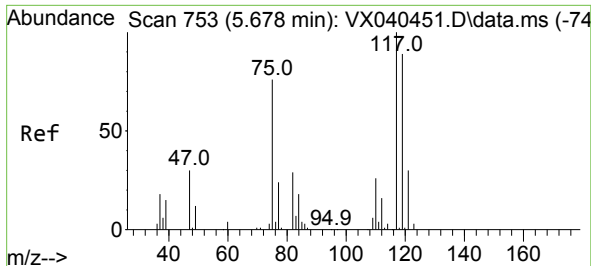
Tgt Ion:113 Resp: 45985  
Ion Ratio Lower Upper  
113 100  
111 105.5 82.9 124.3  
192 18.1 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.025 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

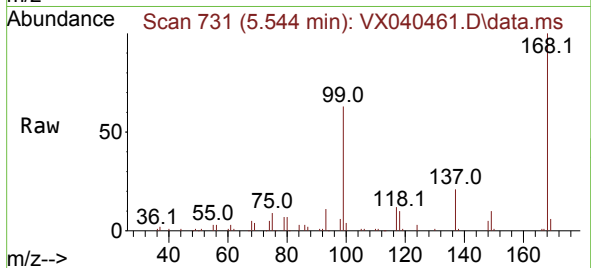
Tgt Ion: 75 Resp: 7431  
Ion Ratio Lower Upper  
75 100  
110 7.2 17.0 50.9#  
77 0.0 24.7 37.1#



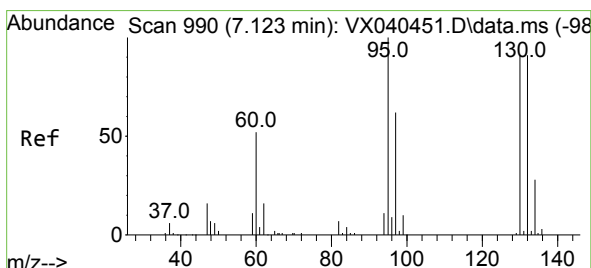
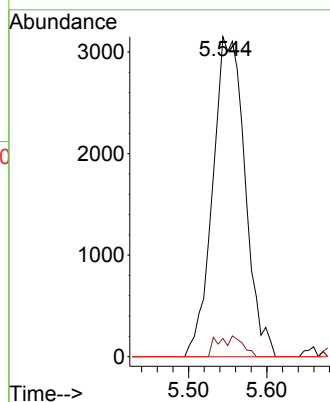
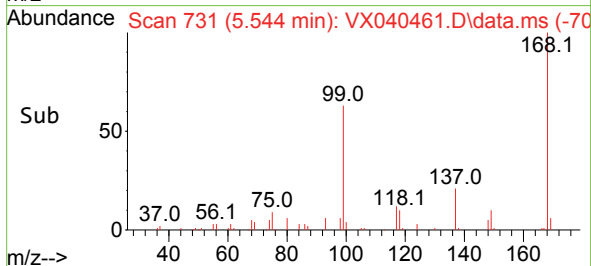


#38  
Carbon Tetrachloride  
Concen: 6.308 ug/l  
RT: 5.544 min Scan# 711  
Delta R.T. -0.134 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

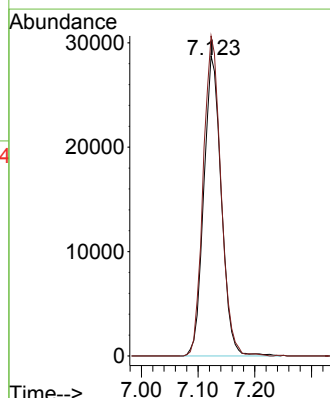
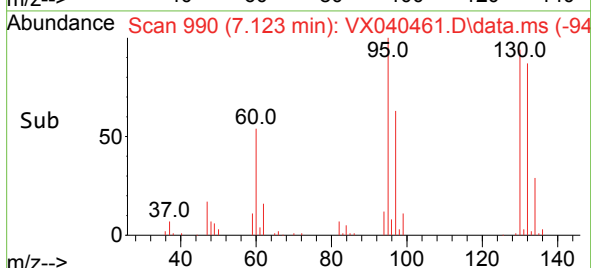
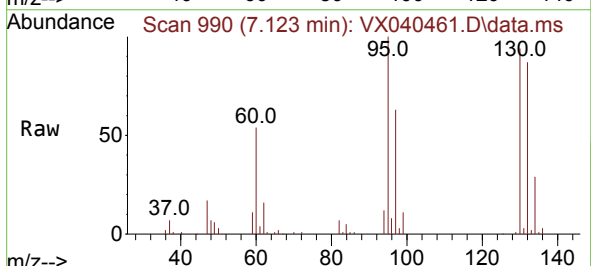


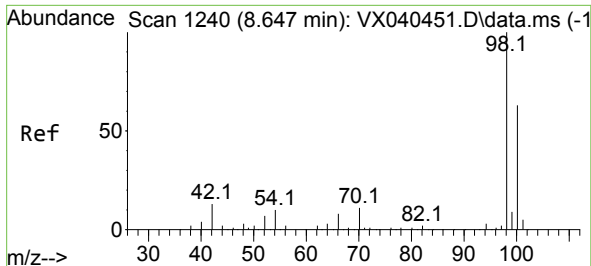
Tgt Ion:117 Resp: 9012  
Ion Ratio Lower Upper  
117 100  
119 5.7 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 57.354 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Tgt Ion:130 Resp: 61755  
Ion Ratio Lower Upper  
130 100  
95 106.6 0.0 204.4

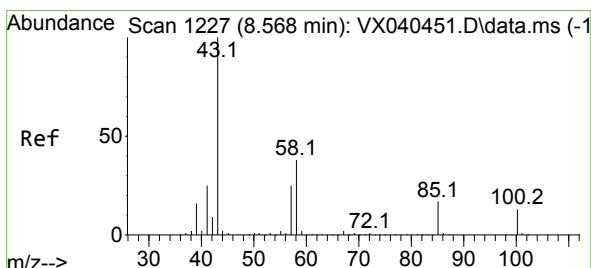
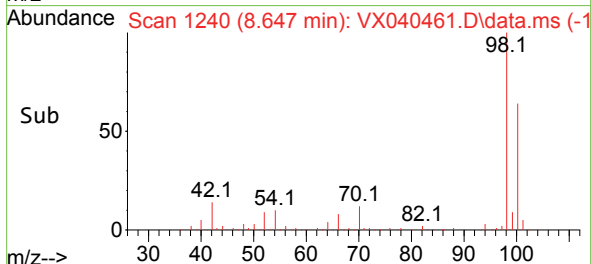
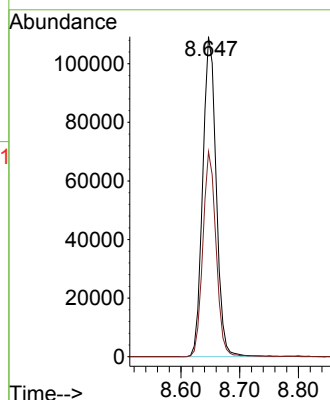
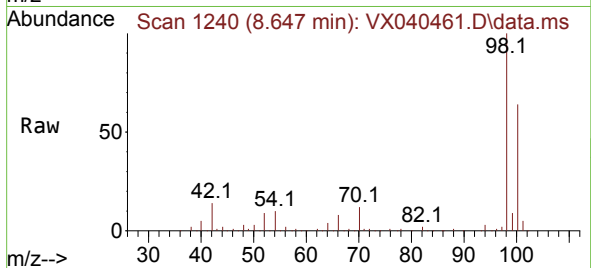




#50  
Toluene-d8  
Concen: 49.904 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

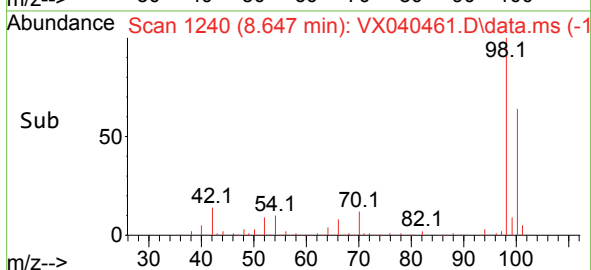
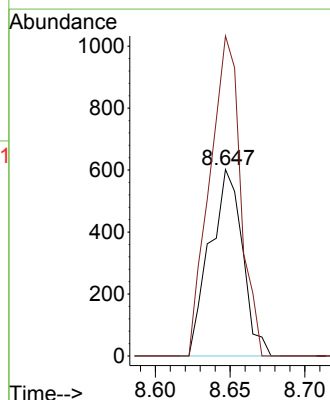
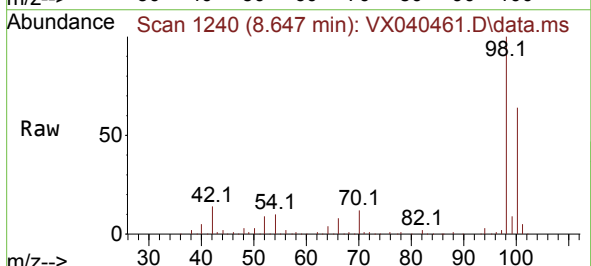
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

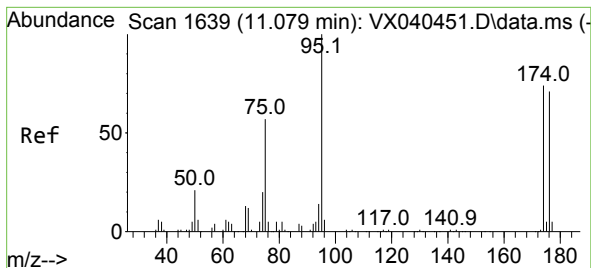
Tgt Ion: 98 Resp: 173868  
Ion Ratio Lower Upper  
98 100  
100 62.8 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.543 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.079 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Tgt Ion: 43 Resp: 911  
Ion Ratio Lower Upper  
43 100  
58 162.7 30.4 45.6#

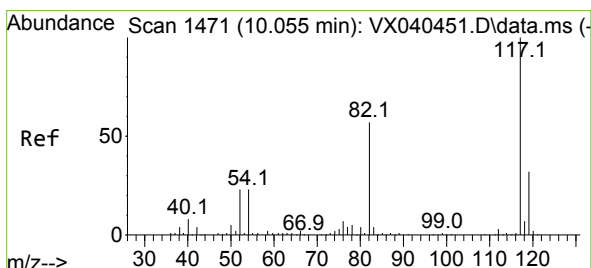
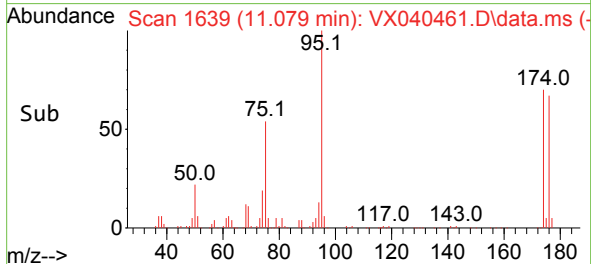
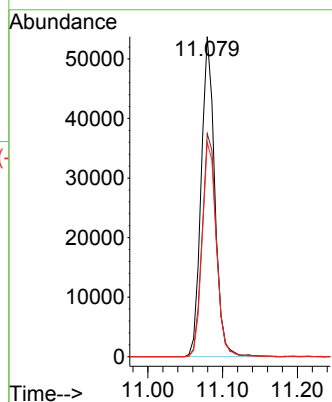
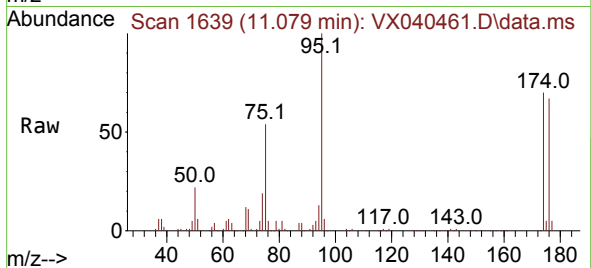




#62  
4-Bromofluorobenzene  
Concen: 51.019 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

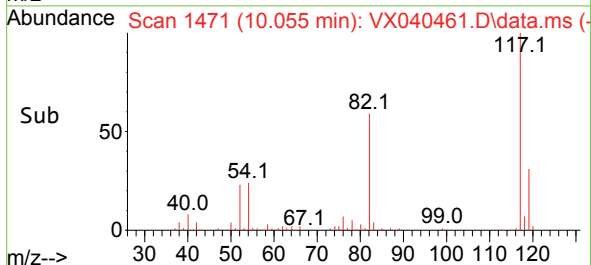
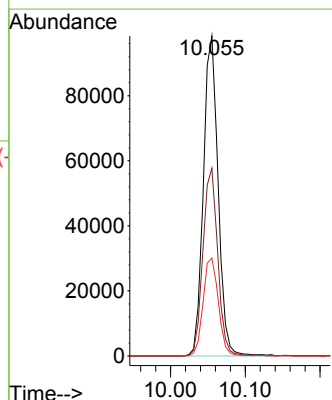
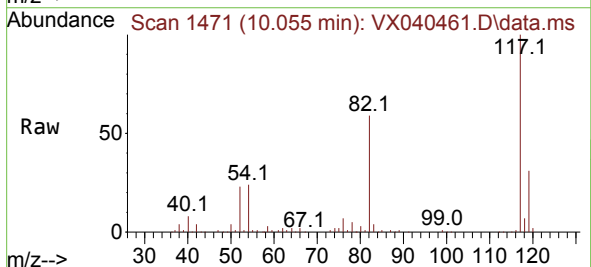
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

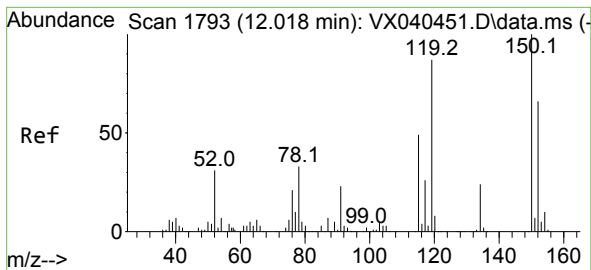
Tgt Ion: 95 Resp: 67757  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 135.6  
176 70.0 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Tgt Ion: 117 Resp: 134744  
Ion Ratio Lower Upper  
117 100  
82 58.7 46.2 69.4  
119 30.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040461.D

Acq: 26 Feb 2024 15:30

Instrument :

MSVOA\_X

ClientSampleId :

RE115D2-20240222

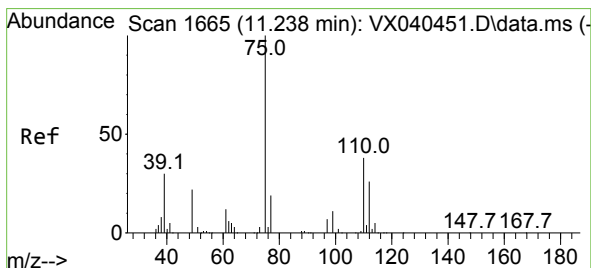
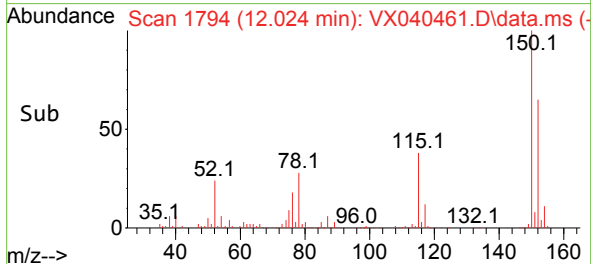
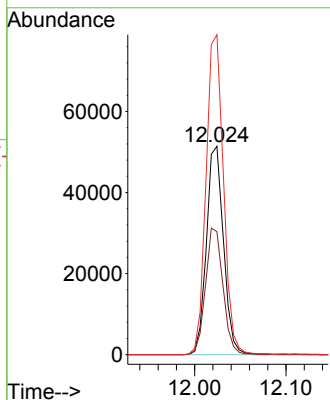
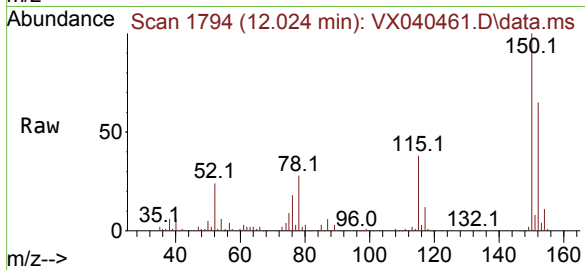
Tgt Ion:152 Resp: 66769

Ion Ratio Lower Upper

152 100

115 61.9 43.3 129.9

150 155.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.332 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040461.D

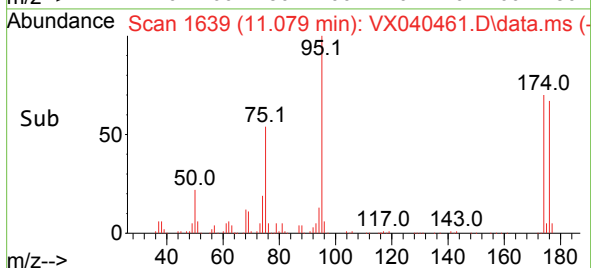
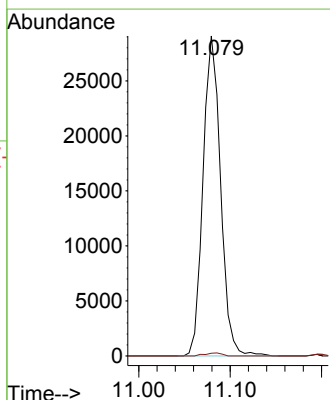
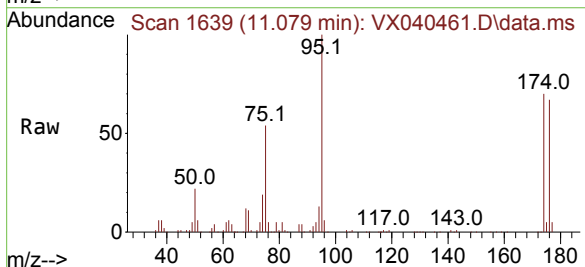
Acq: 26 Feb 2024 15:30

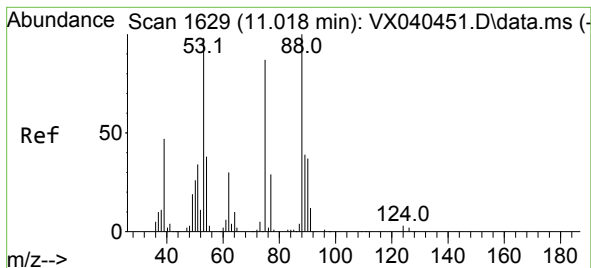
Tgt Ion: 75 Resp: 38694

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

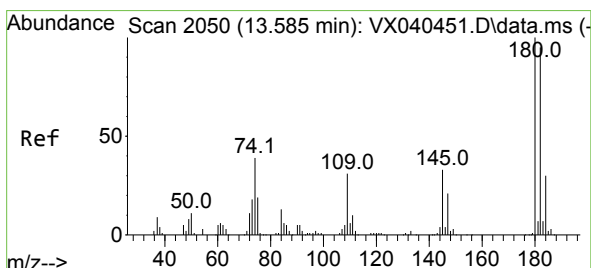
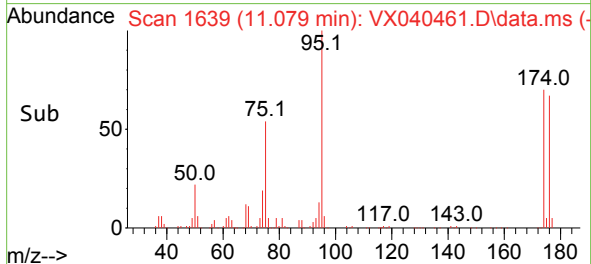
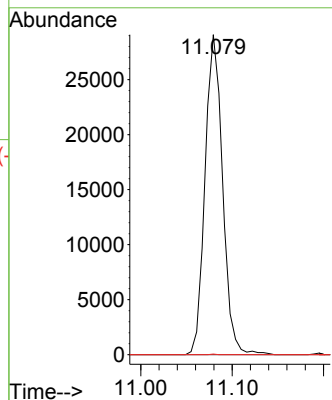
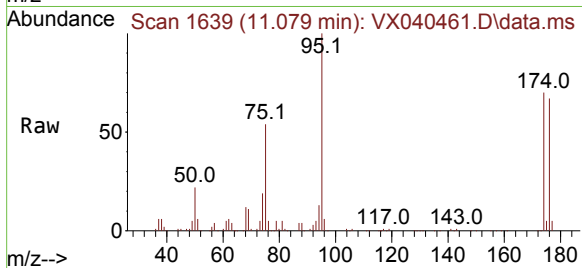




#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.568 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20240222

Tgt Ion: 75 Resp: 38694  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.1 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.298 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX040461.D  
Acq: 26 Feb 2024 15:30

Tgt Ion:180 Resp: 430  
Ion Ratio Lower Upper  
180 100  
182 75.1 48.3 144.8  
145 16.3 18.0 54.0#

