

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031325\  
 Data File : VX045262.D  
 Acq On : 13 Mar 2025 12:27  
 Operator : JC/MD  
 Sample : Q1559-02 40X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE115D2-20250310

Quant Time: Mar 14 12:27:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

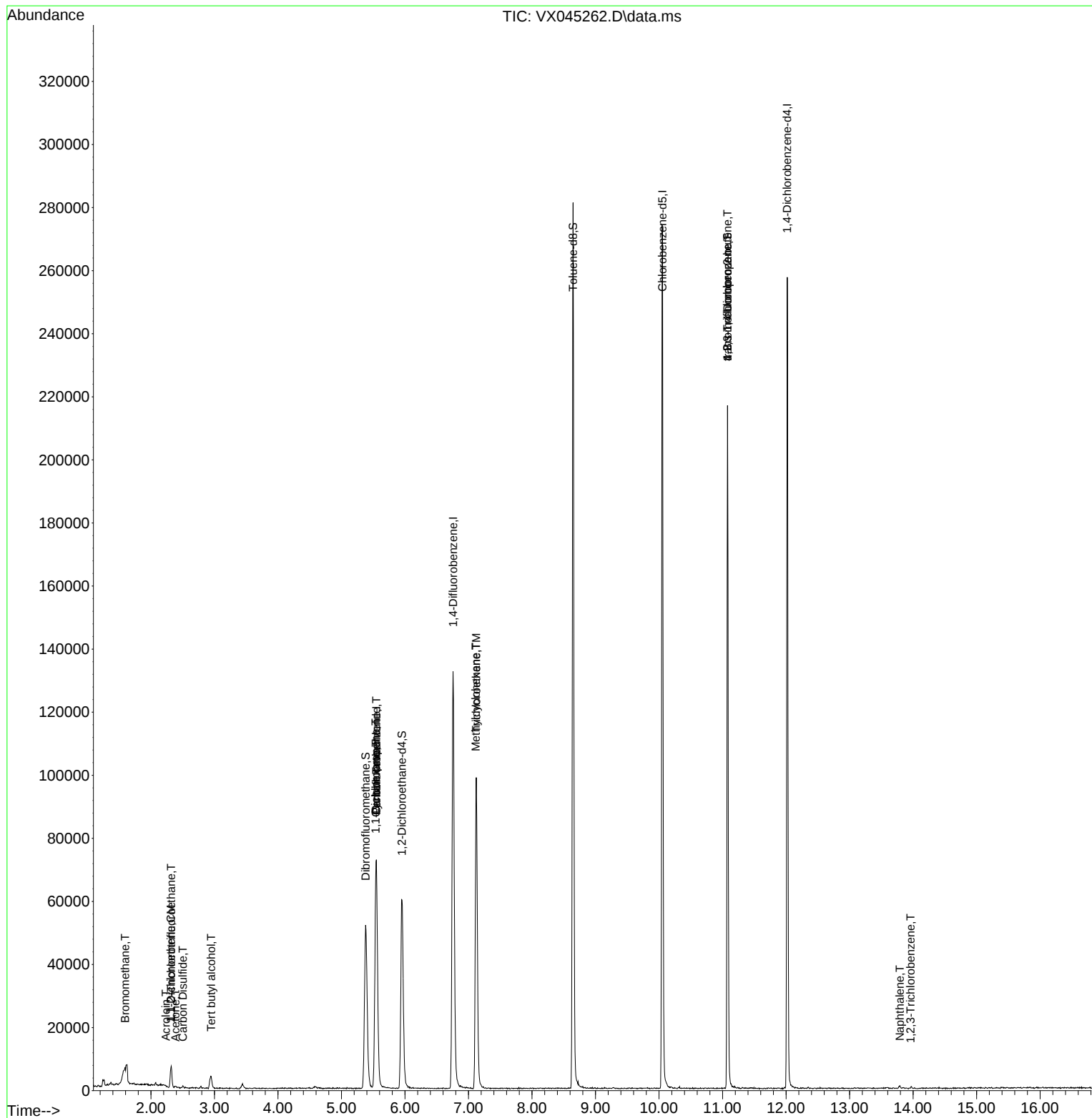
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 67039    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757     | 114   | 131183   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 120316   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018    | 152   | 49080    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 56879    | 53.340   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | = 106.680% |          |
| 35) Dibromofluoromethane      | 5.379     | 113   | 45848    | 52.267   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 104.540% |          |
| 50) Toluene-d8                | 8.647     | 98    | 163846   | 51.522   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | = 103.040% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 55976    | 53.119   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery | = 106.240% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.593     | 94    | 108      | 0.268    | ug/l #     | 72       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.319     | 101   | 1760     | 2.259    | ug/l       | 95       |
| 11) Tert butyl alcohol        | 2.947     | 59    | 2606     | 12.902   | ug/l #     | 73       |
| 12) 1,1-Dichloroethene        | 2.313     | 96    | 979      | 1.188    | ug/l       | 90       |
| 13) Acrolein                  | 2.233     | 56    | 75       | 0.321    | ug/l #     | 15       |
| 16) Acetone                   | 2.386     | 43    | 538      | 1.087    | ug/l       | 98       |
| 17) Carbon Disulfide          | 2.502     | 76    | 664      | 0.303    | ug/l #     | 77       |
| 31) Cyclohexane               | 5.544     | 56    | 1871     | 1.290    | ug/l #     | 46       |
| 36) 1,1-Dichloropropene       | 5.538     | 75    | 6075     | 5.050    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 7520     | 6.157    | ug/l #     | 16       |
| 39) Methylcyclohexane         | 7.117     | 83    | 514      | 0.357    | ug/l #     | 1        |
| 44) Trichloroethene           | 7.123     | 130   | 37602    | 42.156   | ug/l       | 95       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 31387    | 27.476   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 31387    | 94.028   | ug/l #     | 6        |
| 95) Naphthalene               | 13.792    | 128   | 1265     | 0.357    | ug/l #     | 79       |
| 96) 1,2,3-Trichlorobenzene    | 13.963    | 180   | 225      | 0.232    | ug/l #     | 85       |
| -----                         |           |       |          |          |            |          |

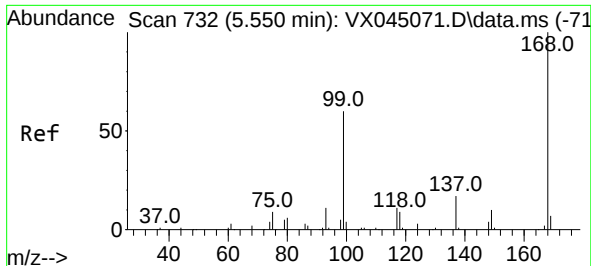
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031325\  
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Sample : Q1559-02 40X  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

Quant Time: Mar 14 12:27:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

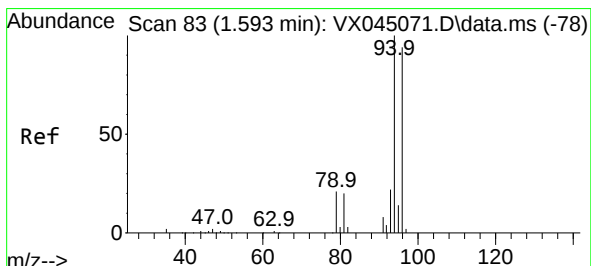
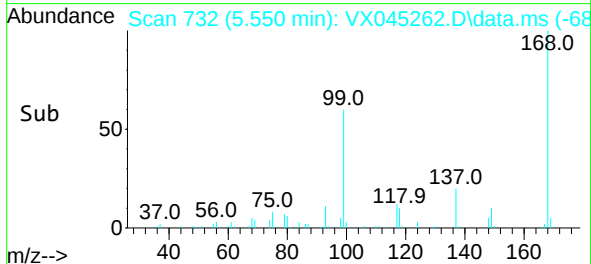
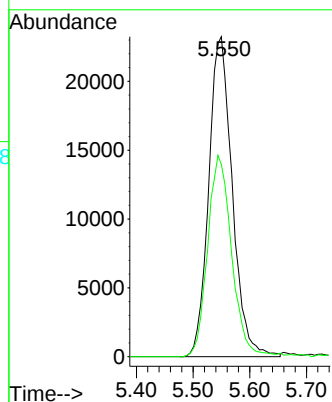
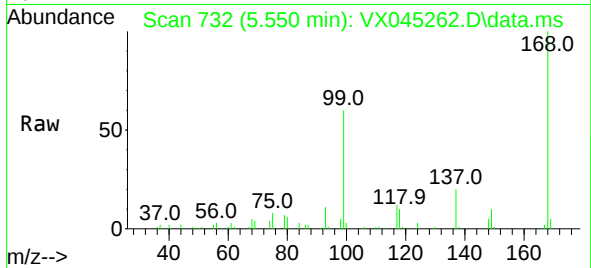




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

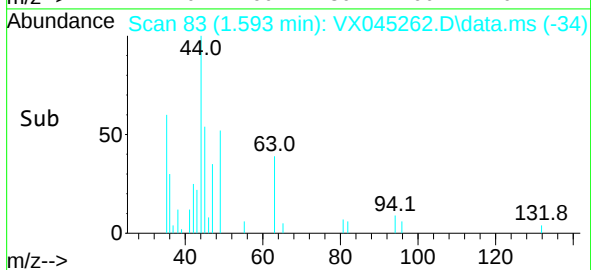
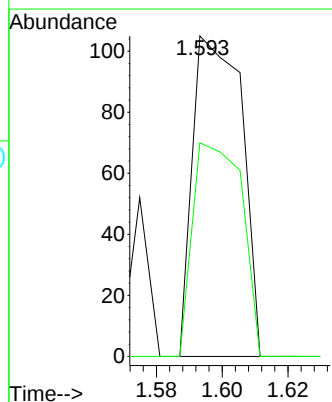
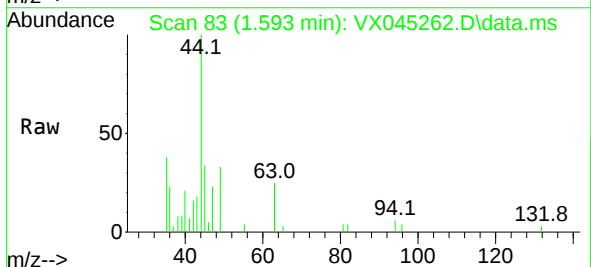
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

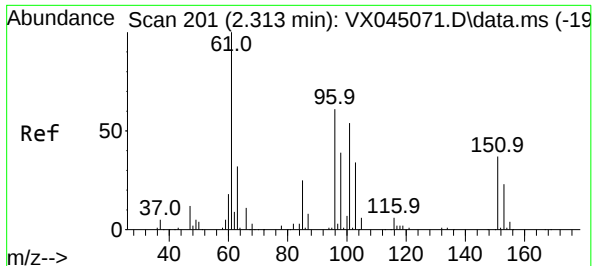
Tgt Ion:168 Resp: 67039  
Ion Ratio Lower Upper  
168 100  
99 60.1 48.2 72.4



#5  
Bromomethane  
Concen: 0.268 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion: 94 Resp: 108  
Ion Ratio Lower Upper  
94 100  
96 66.7 75.0 112.4#

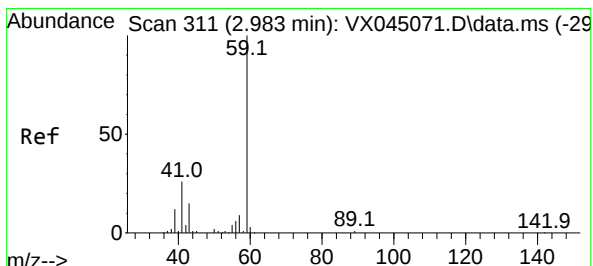
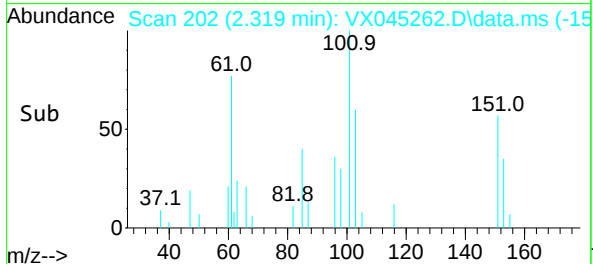
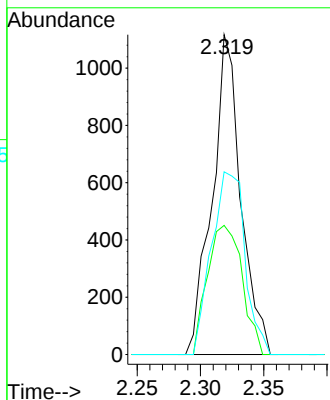
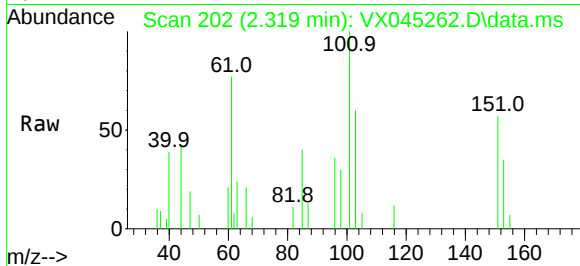




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.259 ug/l  
RT: 2.319 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

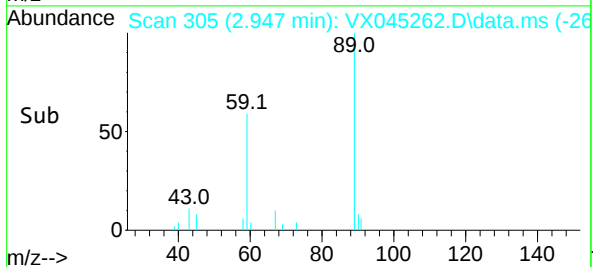
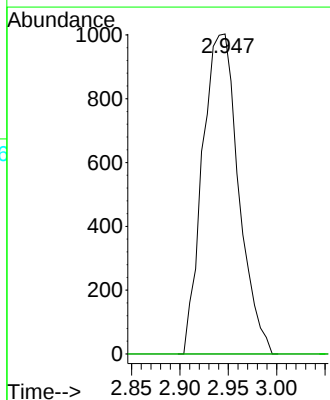
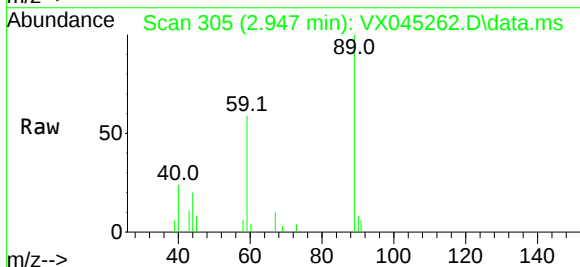
Instrument :  
MSVOA\_X  
ClientSampleId :  
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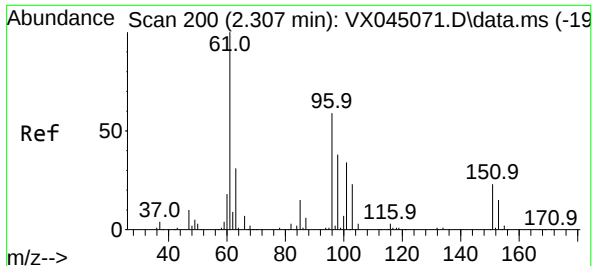
Tgt Ion:101 Resp: 1760  
Ion Ratio Lower Upper  
101 100  
85 49.0 36.2 54.4  
151 66.9 56.4 84.6



#11  
Tert butyl alcohol  
Concen: 12.902 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.037 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion: 59 Resp: 2606  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.188 ug/l

RT: 2.313 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

Instrument :

MSVOA\_X

ClientSampleId :

RE115D2-20250310

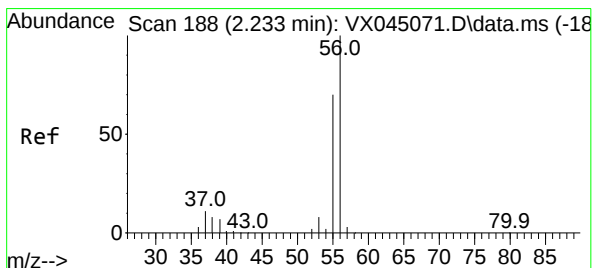
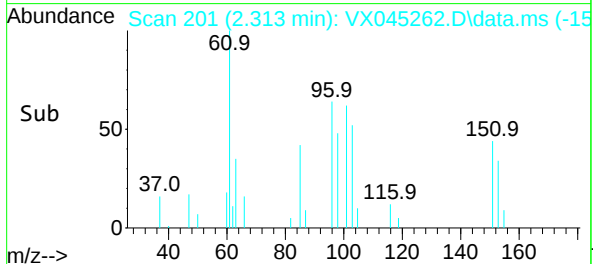
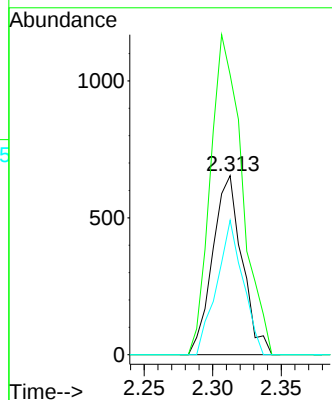
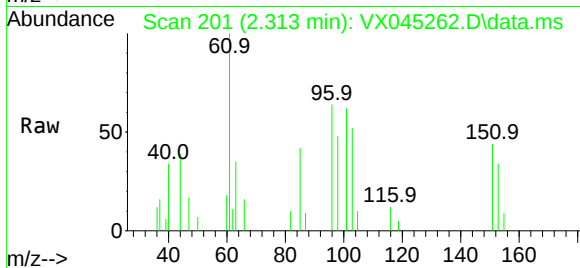
Tgt Ion: 96 Resp: 979

Ion Ratio Lower Upper

96 100

61 156.4 134.6 202.0

98 75.1 51.0 76.6



#13

Acrolein

Concen: 0.321 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045262.D

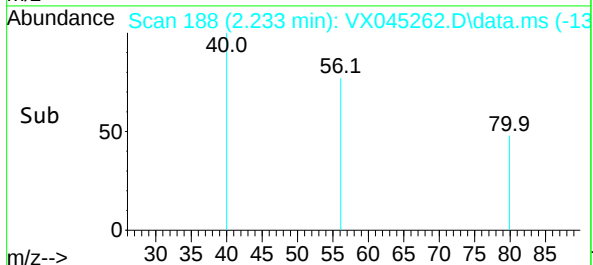
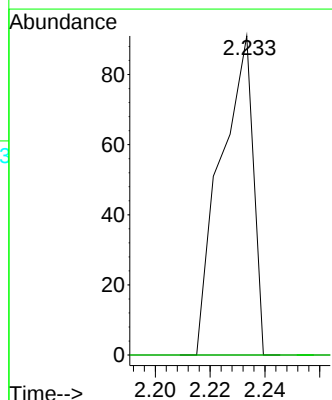
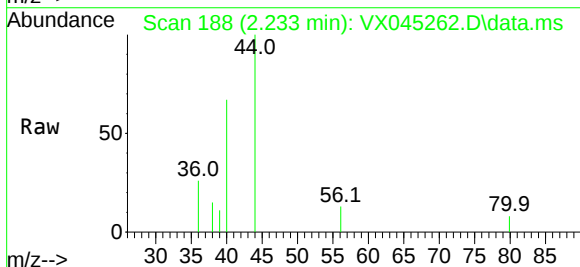
Acq: 13 Mar 2025 12:27

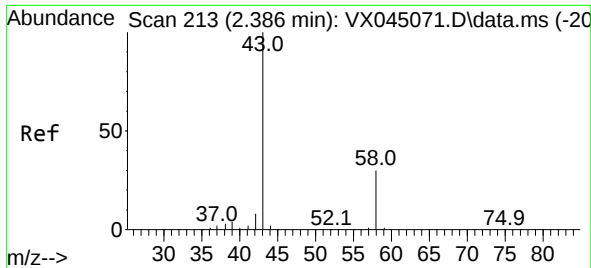
Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#

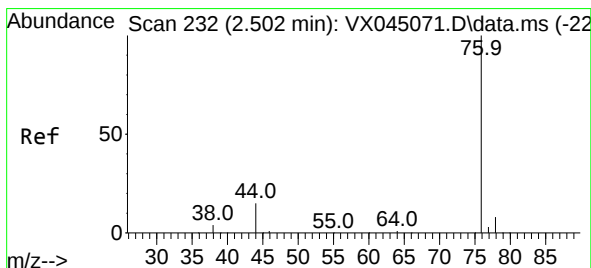
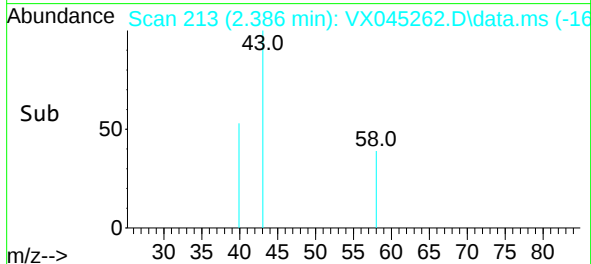
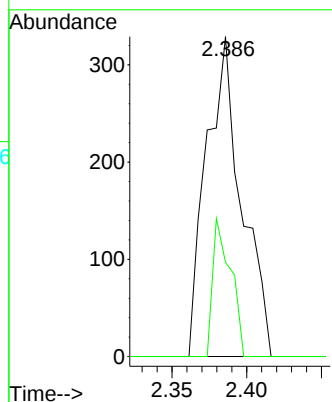
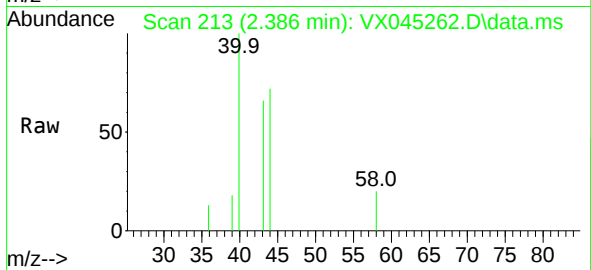




#16  
Acetone  
Concen: 1.087 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

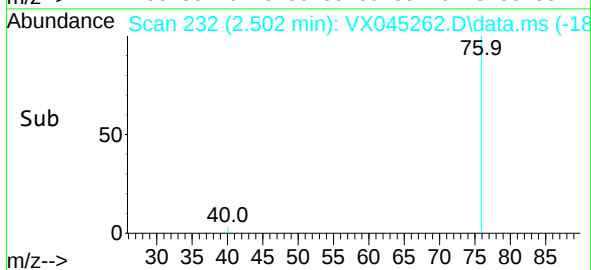
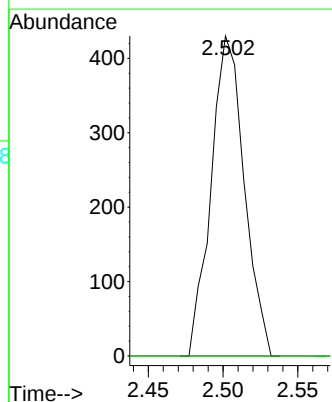
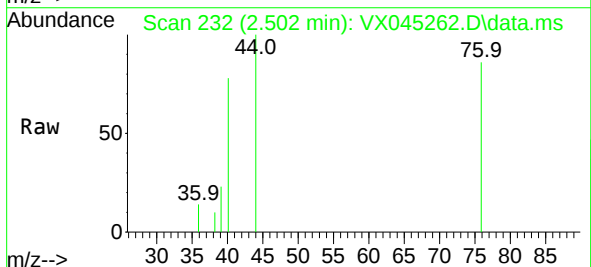
Instrument :  
MSVOA\_X  
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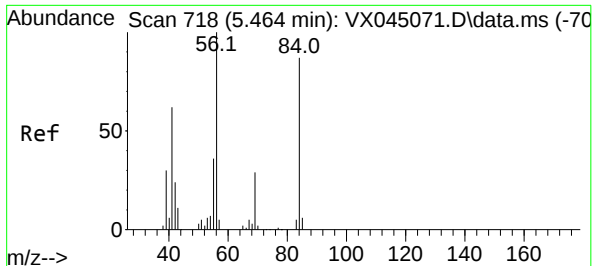
Tgt Ion: 43 Resp: 538  
Ion Ratio Lower Upper  
43 100  
58 29.5 24.2 36.4



#17  
Carbon Disulfide  
Concen: 0.303 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

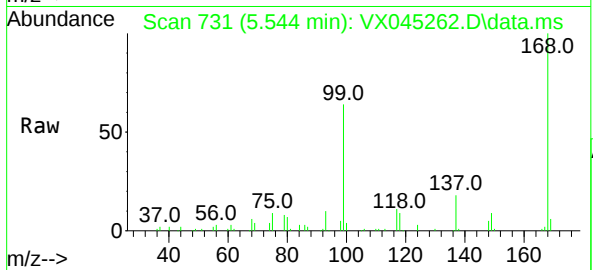
Tgt Ion: 76 Resp: 664  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.6 9.8#



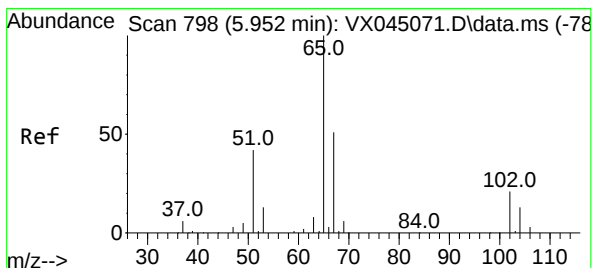
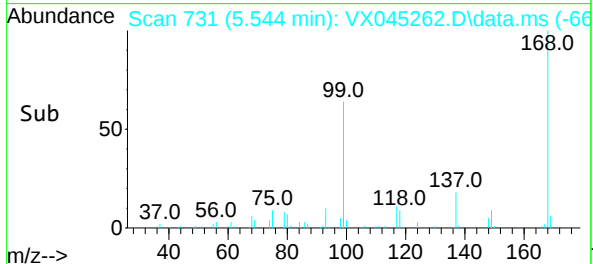
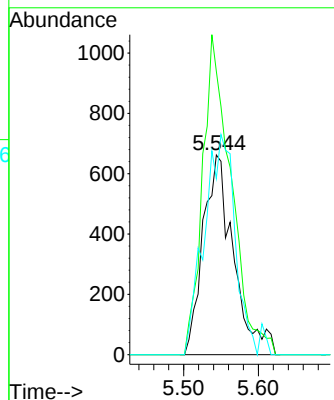


#31  
Cyclohexane  
Concen: 1.290 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Instrument :  
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ClientSampleId :  
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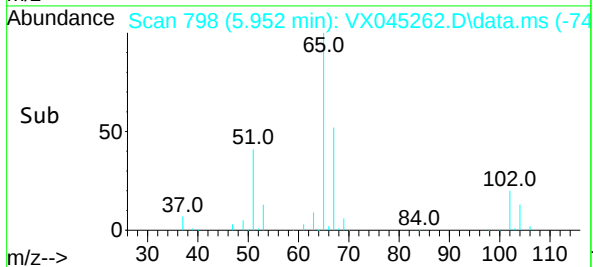
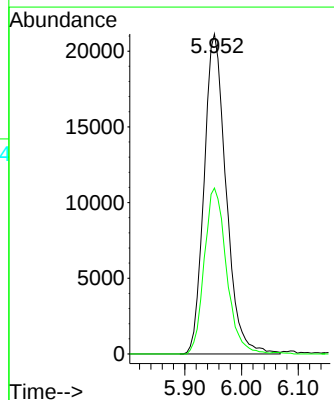
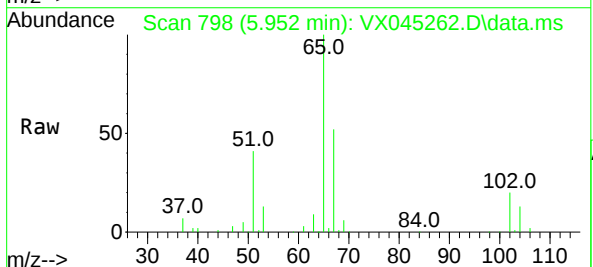


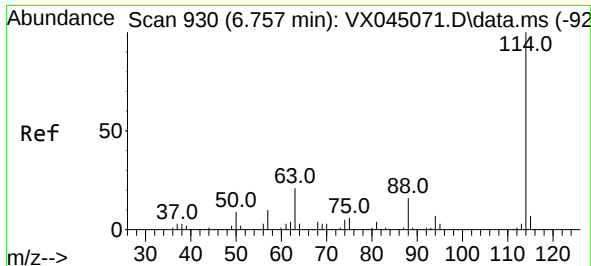
Tgt Ion: 56 Resp: 1871  
Ion Ratio Lower Upper  
56 100  
69 141.8 23.4 35.2#  
84 88.2 69.4 104.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.340 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion: 65 Resp: 56879  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 106.2

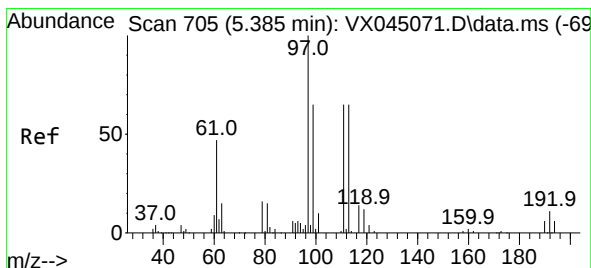
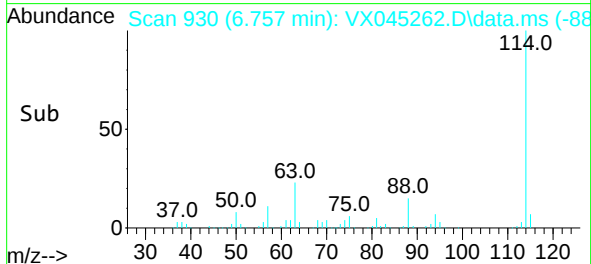
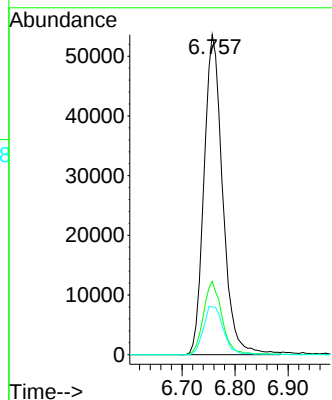
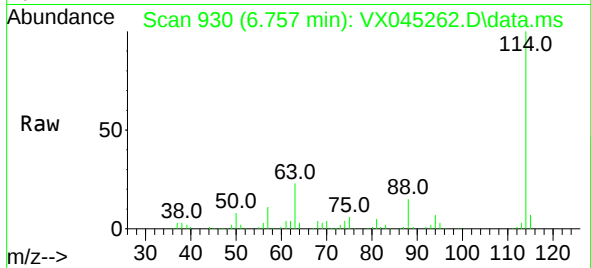




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

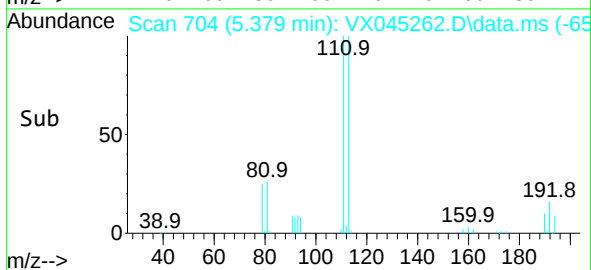
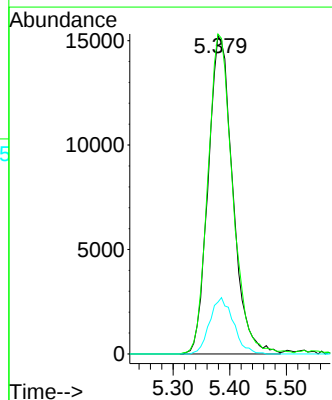
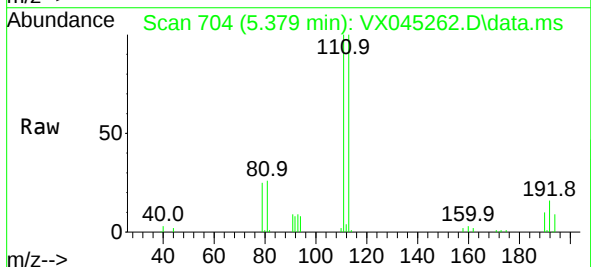
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

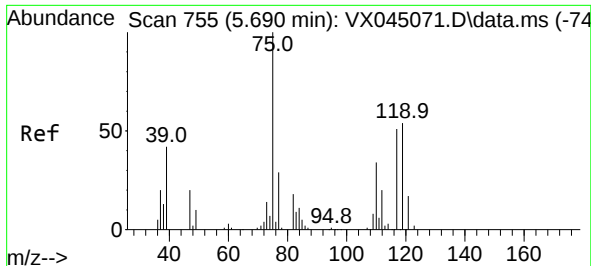
Tgt Ion:114 Resp: 131183  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 41.8  
88 14.9 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 52.267 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

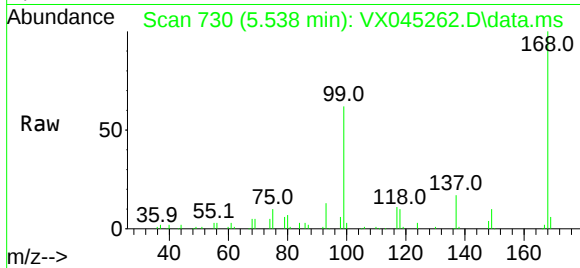
Tgt Ion:113 Resp: 45848  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.8 122.6  
192 17.1 14.3 21.5



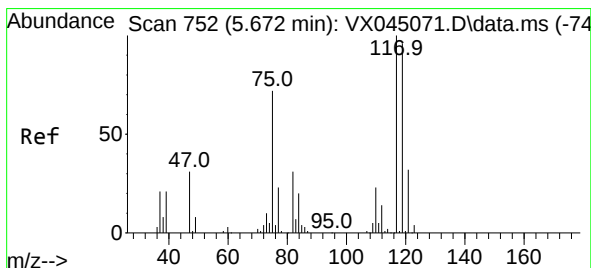
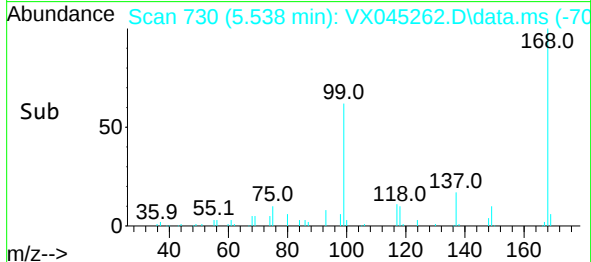
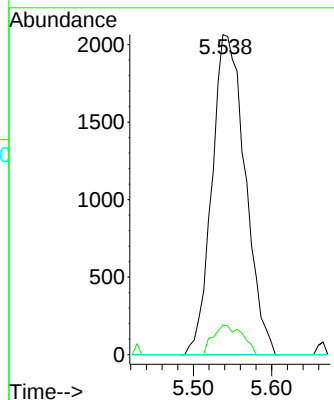


#36  
1,1-Dichloropropene  
Concen: 5.050 ug/l  
RT: 5.538 min Scan# 710  
Delta R.T. -0.152 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

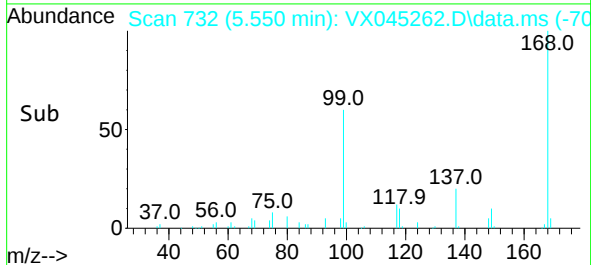
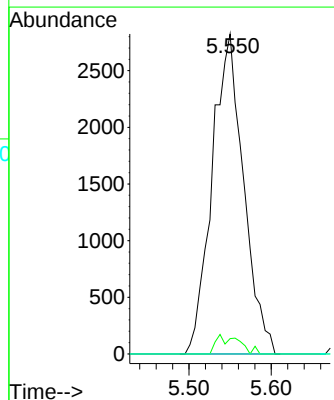
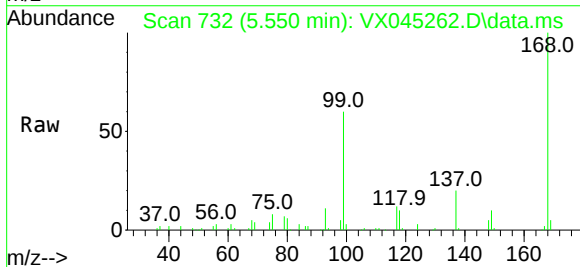


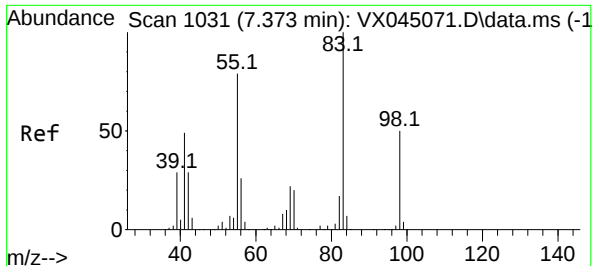
Tgt Ion: 75 Resp: 6075  
Ion Ratio Lower Upper  
75 100  
110 8.1 16.9 50.6#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 6.157 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion: 117 Resp: 7520  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.7 115.1#  
121 0.0 25.5 38.3#

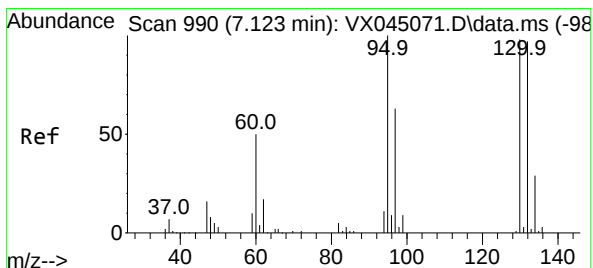
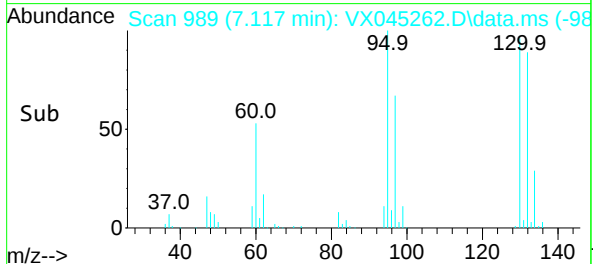
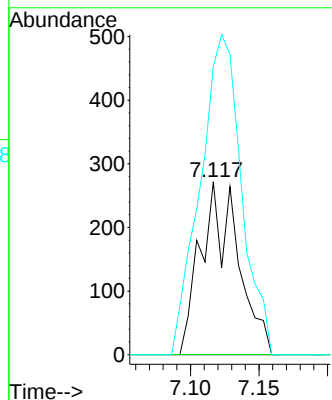
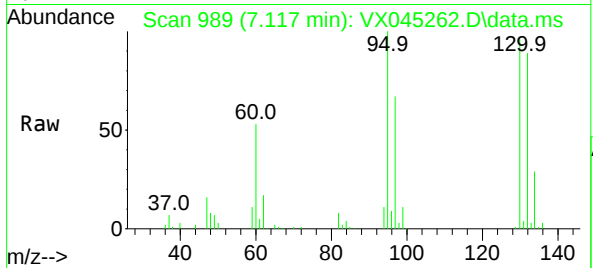




#39  
Methylcyclohexane  
Concen: 0.357 ug/l  
RT: 7.117 min Scan# 91  
Delta R.T. -0.256 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

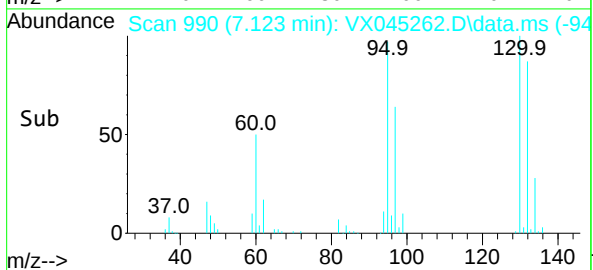
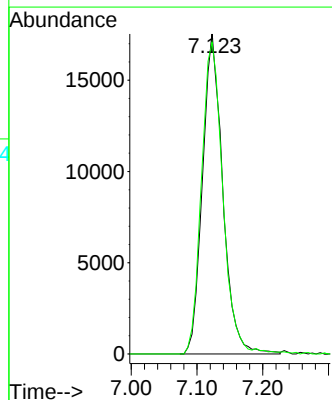
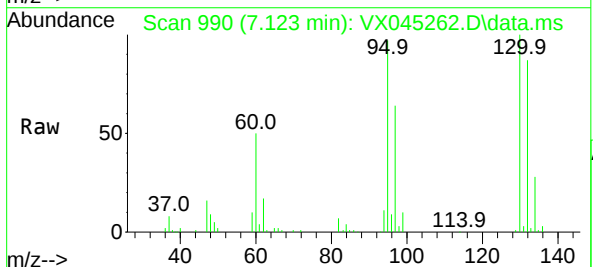
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

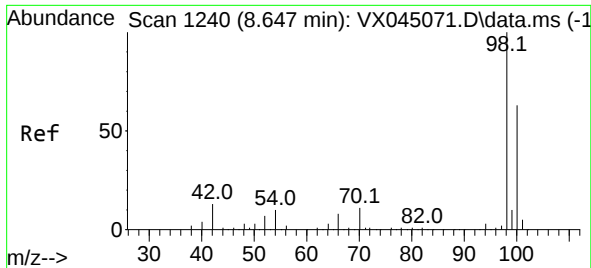
Tgt Ion: 83 Resp: 514  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.0 94.4#  
98 138.6 39.7 59.5#



#44  
Trichloroethene  
Concen: 42.156 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion: 130 Resp: 37602  
Ion Ratio Lower Upper  
130 100  
95 97.4 0.0 205.0

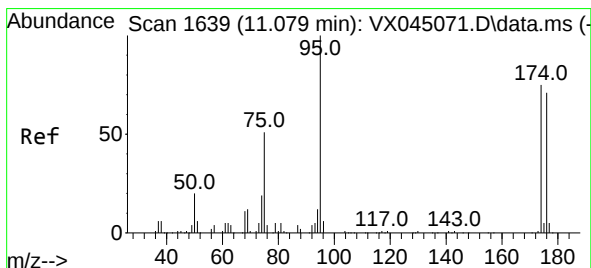
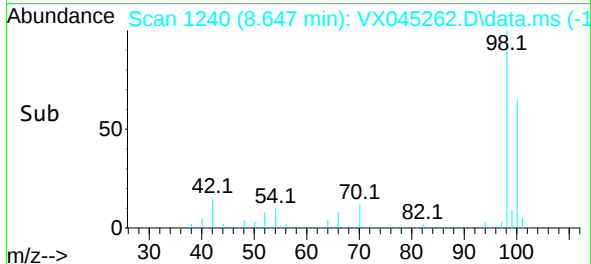
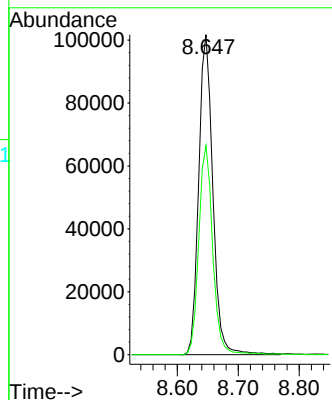
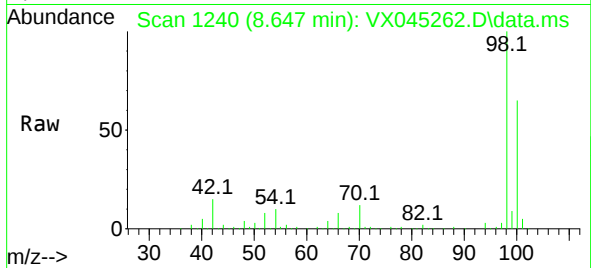




#50  
Toluene-d8  
Concen: 51.522 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

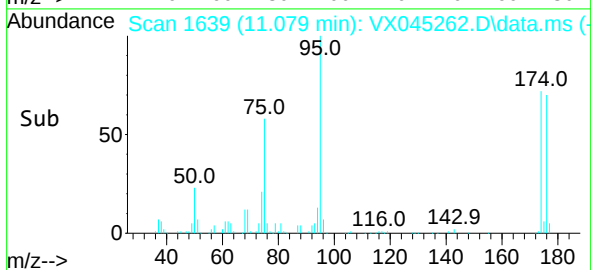
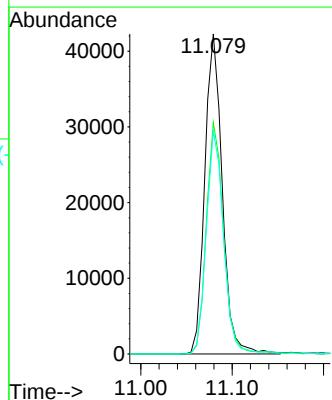
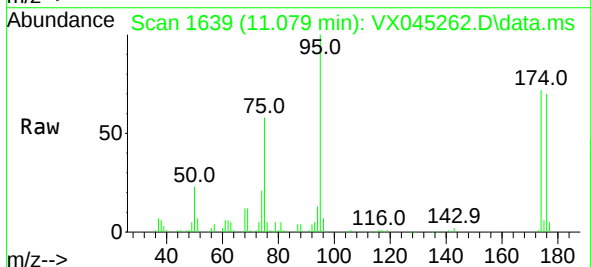
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

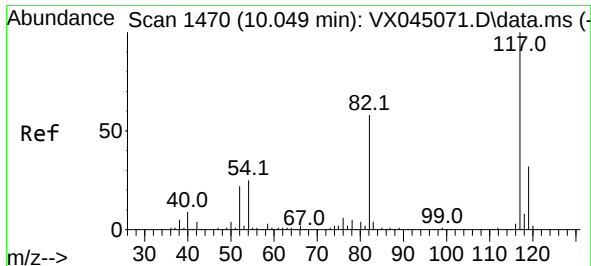
Tgt Ion: 98 Resp: 163846  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 53.119 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion: 95 Resp: 55976  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 148.2  
176 69.2 0.0 141.4

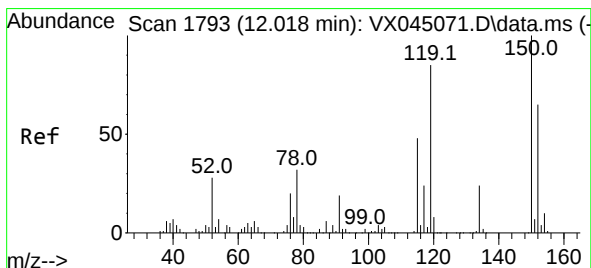
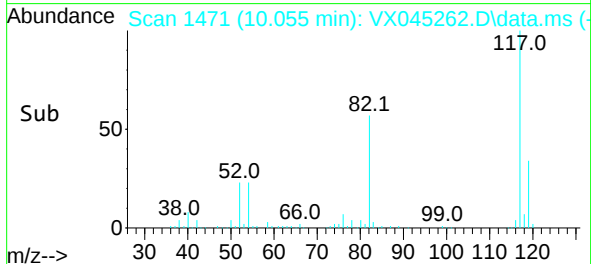
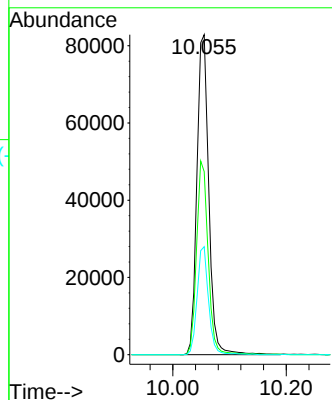
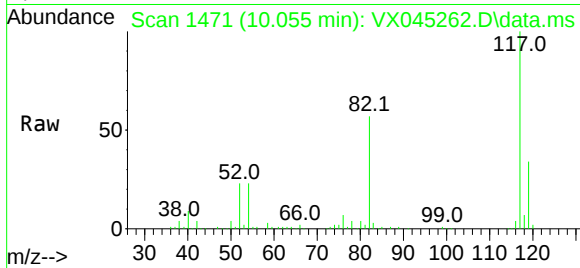




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

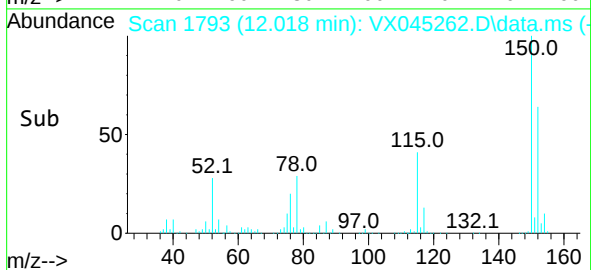
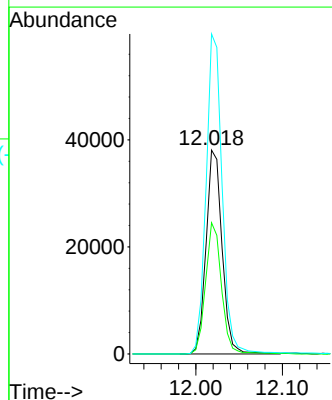
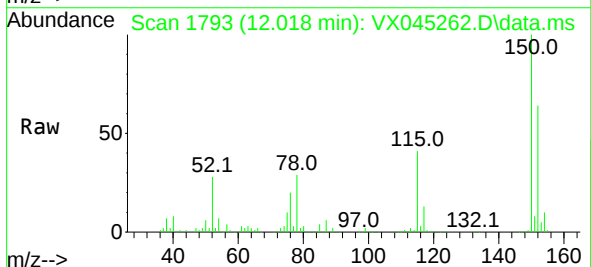
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

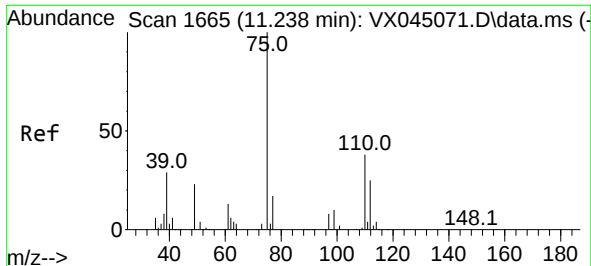
Tgt Ion:117 Resp: 120316  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.3 69.5  
119 33.7 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion:152 Resp: 49080  
Ion Ratio Lower Upper  
152 100  
115 63.8 44.2 132.6  
150 158.4 0.0 349.0

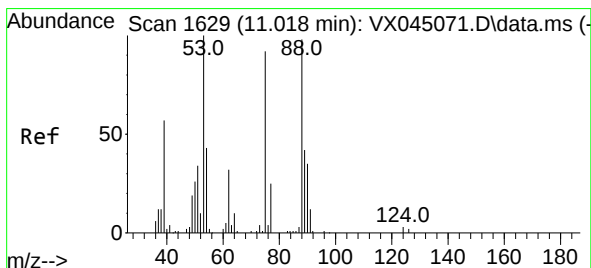
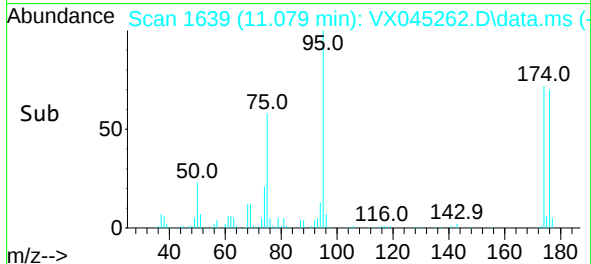
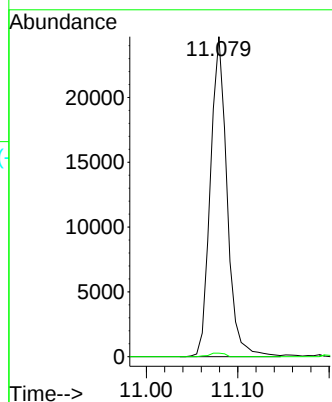
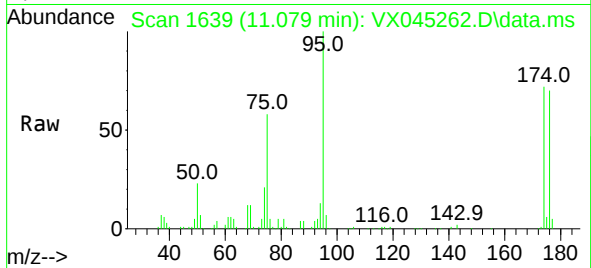




#76  
1,2,3-Trichloropropane  
Concen: 27.476 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

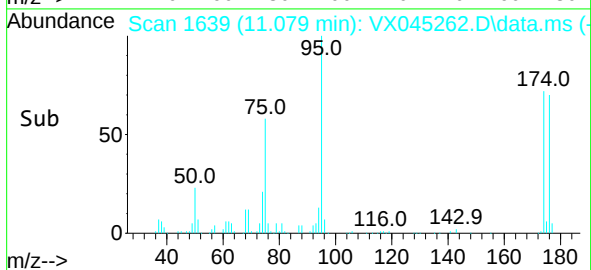
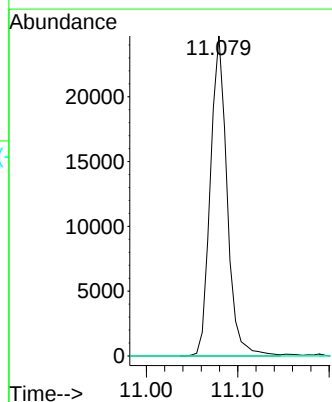
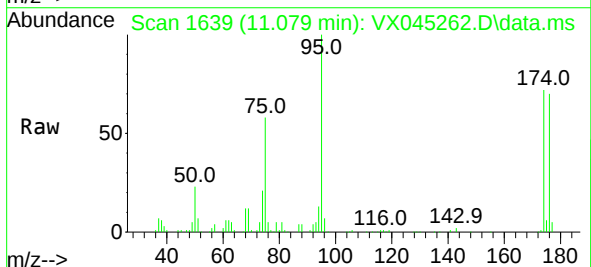
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D2-20250310

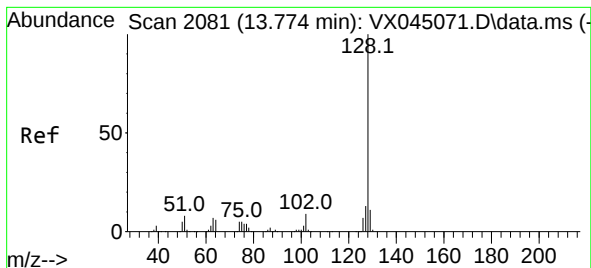
Tgt Ion: 75 Resp: 31387  
Ion Ratio Lower Upper  
75 100  
77 1.1 20.7 62.1#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.028 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045262.D  
Acq: 13 Mar 2025 12:27

Tgt Ion: 75 Resp: 31387  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.5 132.7#  
89 0.0 36.2 54.4#





#95

Naphthalene

Concen: 0.357 ug/l

RT: 13.792 min Scan# 2084

Delta R.T. 0.018 min

Lab File: VX045262.D

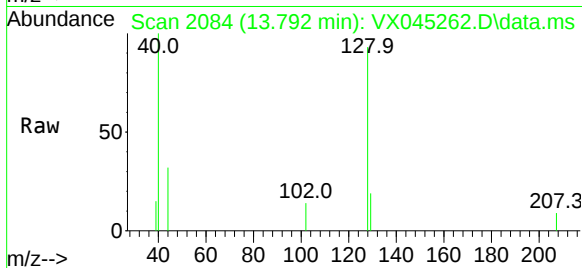
Acq: 13 Mar 2025 12:27

Instrument :

MSVOA\_X

ClientSampleId :

RE115D2-20250310



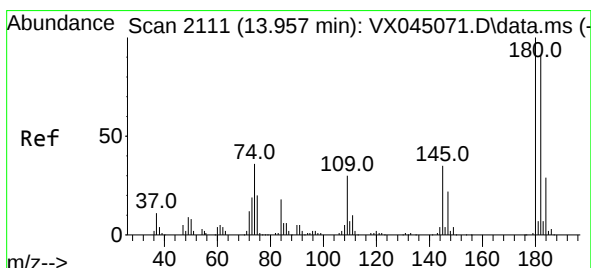
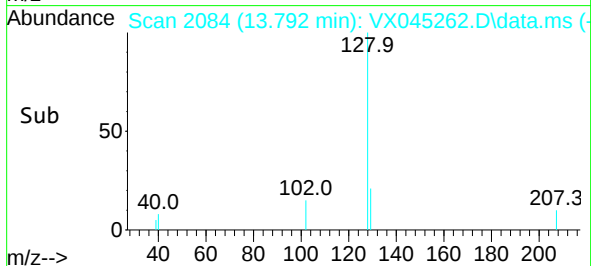
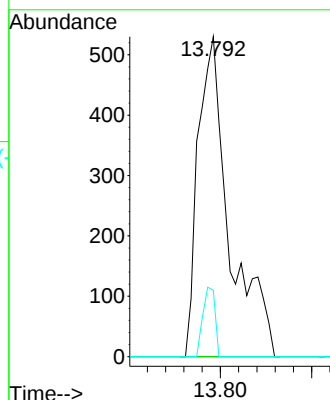
Tgt Ion:128 Resp: 1265

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 8.3 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.232 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

Tgt Ion:180 Resp: 225

Ion Ratio Lower Upper

180 100

182 101.8 47.5 142.6

145 12.0 17.0 50.9#

