

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031225\  
 Data File : VX045249.D  
 Acq On : 12 Mar 2025 15:21  
 Operator : JC/MD  
 Sample : Q1531-15DL 40X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE105D2-20250306DL

Quant Time: Mar 13 01:42:44 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

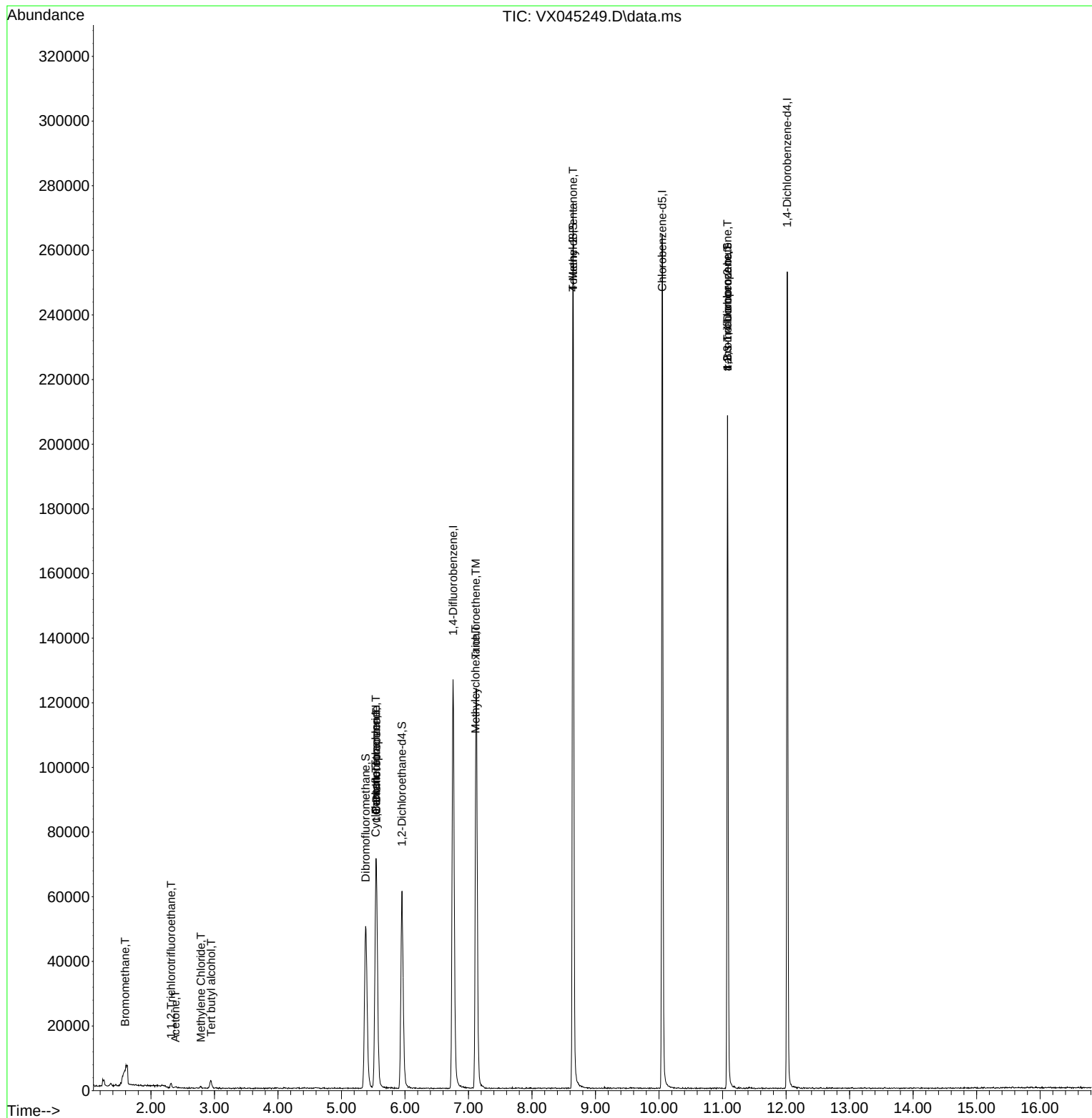
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 64141    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 125675   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 114353   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 48309    | 50.000   | ug/l       | 0.00     |
|                               |        |       |          |          |            |          |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 55745    | 54.638   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 109.280% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 43588    | 51.868   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 103.740% |          |
| 50) Toluene-d8                | 8.647  | 98    | 156514   | 51.374   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 102.740% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 52593    | 52.096   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 104.200% |          |
|                               |        |       |          |          |            |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 5) Bromomethane               | 1.593  | 94    | 88       | 0.228    | ug/l #     | 3        |
| 9) 1,1,2-Trichlorotrifluo...  | 2.319  | 101   | 510      | 0.684    | ug/l #     | 90       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 1429     | 7.394    | ug/l #     | 73       |
| 16) Acetone                   | 2.386  | 43    | 380      | 0.803    | ug/l #     | 59       |
| 20) Methylene Chloride        | 2.788  | 84    | 199      | 0.212    | ug/l #     | 63       |
| 31) Cyclohexane               | 5.538  | 56    | 1818     | 1.310    | ug/l #     | 25       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 5996     | 5.203    | ug/l #     | 45       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7286     | 6.227    | ug/l #     | 15       |
| 39) Methylcyclohexane         | 7.110  | 83    | 746      | 0.540    | ug/l #     | 34       |
| 44) Trichloroethene           | 7.117  | 130   | 47209    | 55.246   | ug/l       | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 836      | 0.567    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 29708    | 26.421   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 29708    | 90.418   | ug/l #     | 6        |
| -----                         |        |       |          |          |            |          |

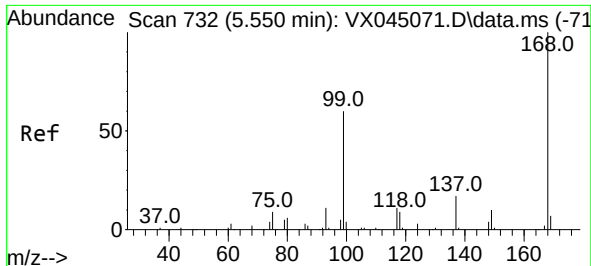
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031225\  
Data File : VX045249.D  
Acq On : 12 Mar 2025 15:21  
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Sample : Q1531-15DL 40X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

Quant Time: Mar 13 01:42:44 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

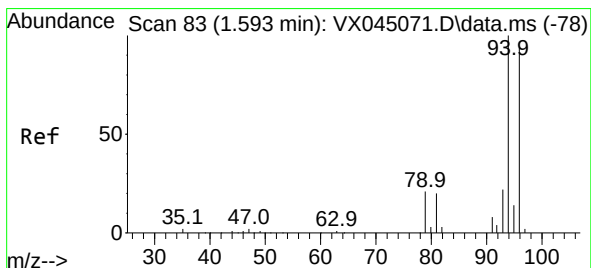
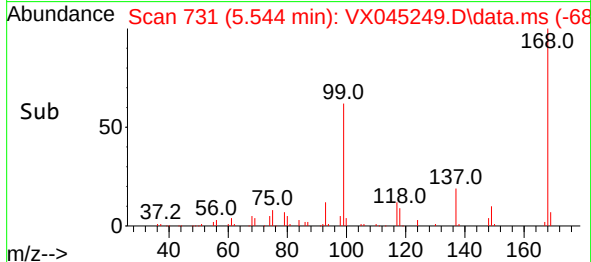
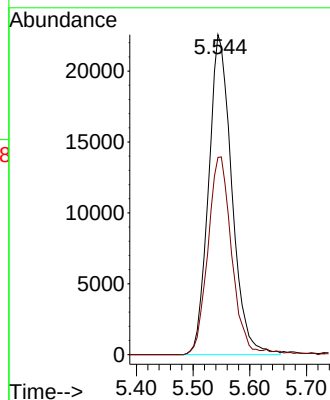
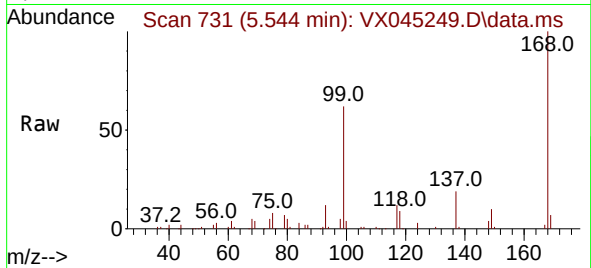




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

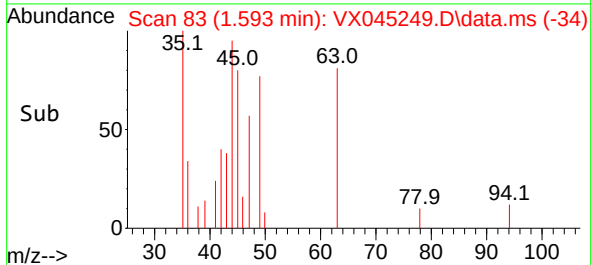
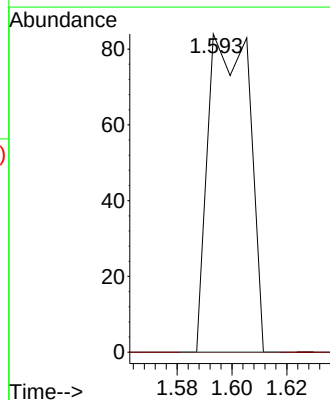
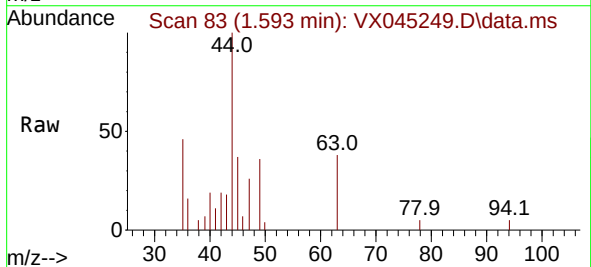
Instrument : MSVOA\_X  
ClientSampleId : RE105D2-20250306DL

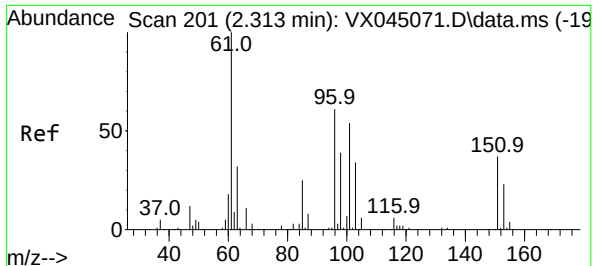
Tgt Ion:168 Resp: 64141  
Ion Ratio Lower Upper  
168 100  
99 61.7 48.2 72.4



#5  
Bromomethane  
Concen: 0.228 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion: 94 Resp: 88  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.0 112.4#

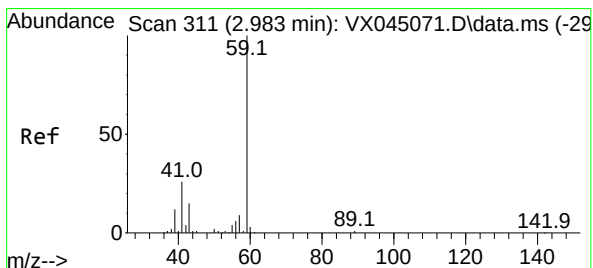
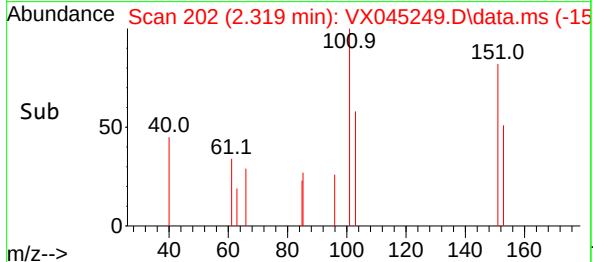
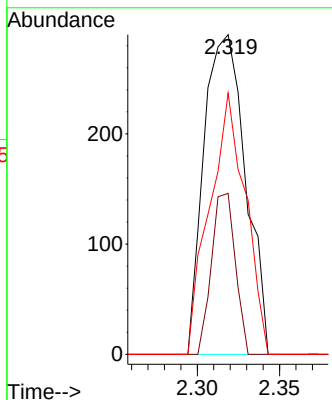
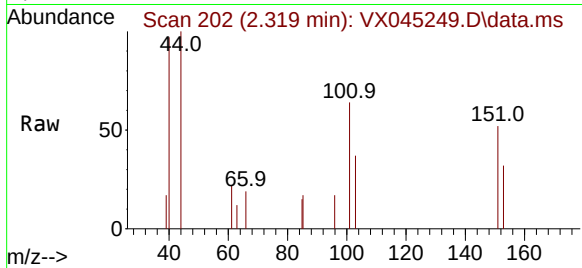




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.684 ug/l  
RT: 2.319 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

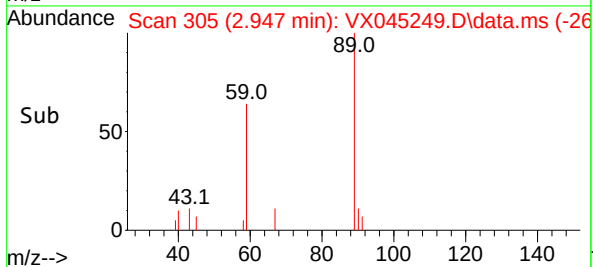
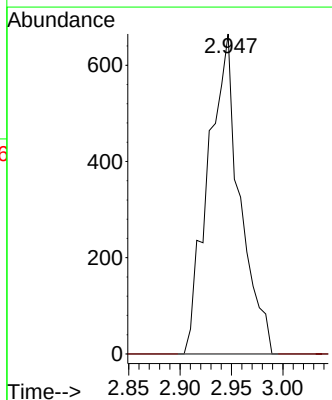
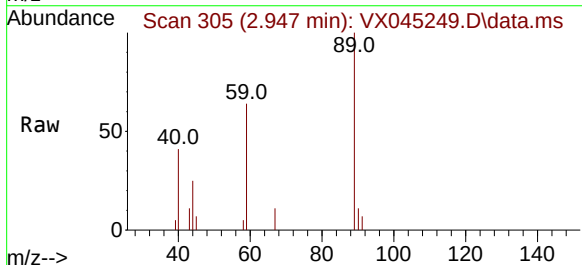
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

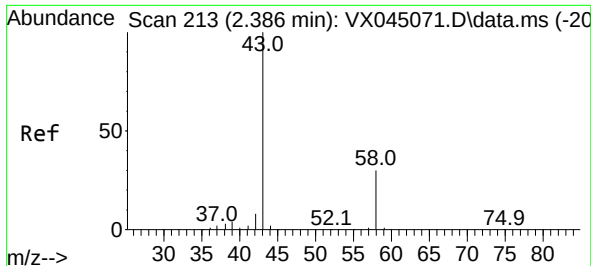
Tgt Ion:101 Resp: 510  
Ion Ratio Lower Upper  
101 100  
85 28.8 36.2 54.4#  
151 70.6 56.4 84.6



#11  
Tert butyl alcohol  
Concen: 7.394 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.037 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion: 59 Resp: 1429  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

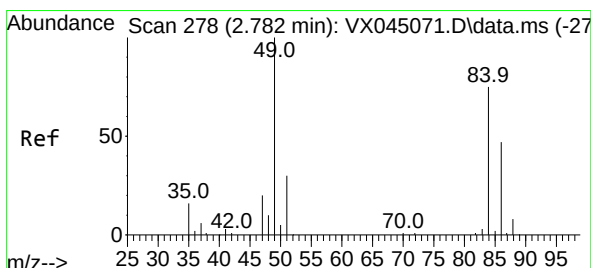
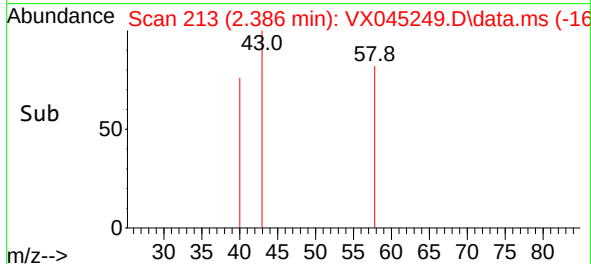
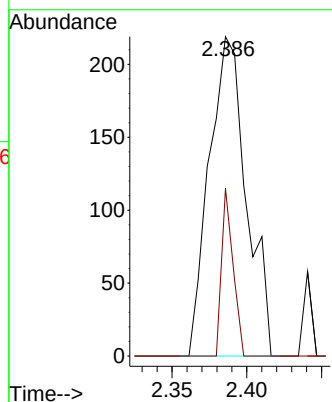
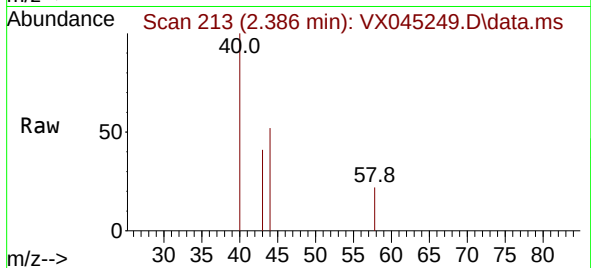




#16  
Acetone  
Concen: 0.803 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

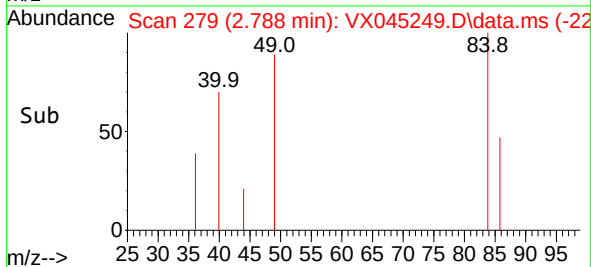
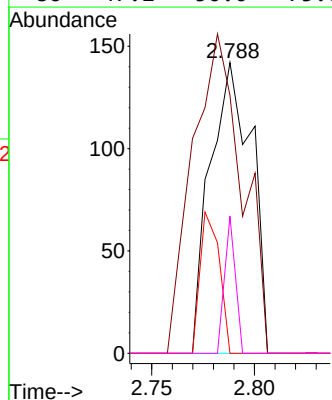
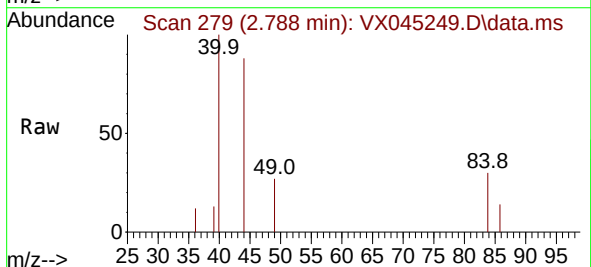
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

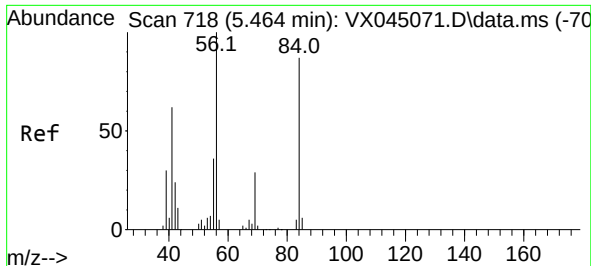
Tgt Ion: 43 Resp: 380  
Ion Ratio Lower Upper  
43 100  
58 52.5 24.2 36.4#



#20  
Methylene Chloride  
Concen: 0.212 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion: 84 Resp: 199  
Ion Ratio Lower Upper  
84 100  
49 88.7 106.5 159.7#  
51 0.0 32.1 48.1#  
86 47.2 50.0 75.0#

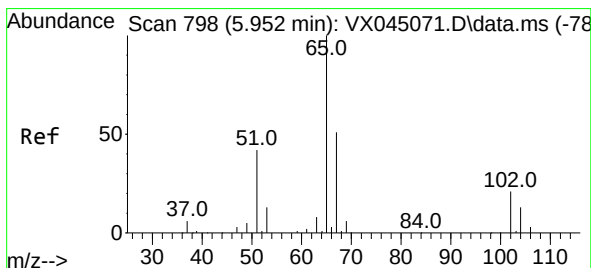
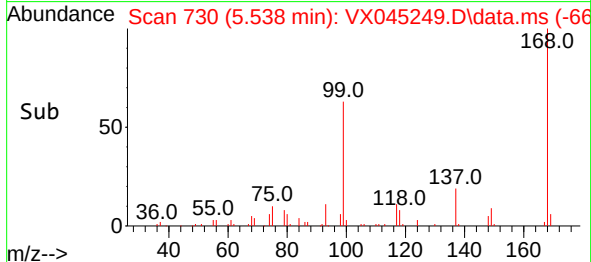
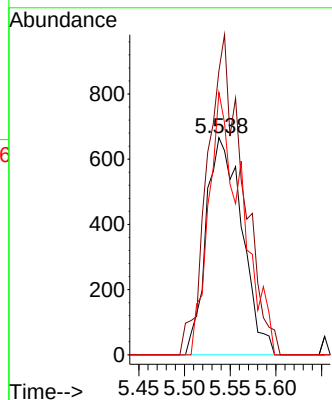
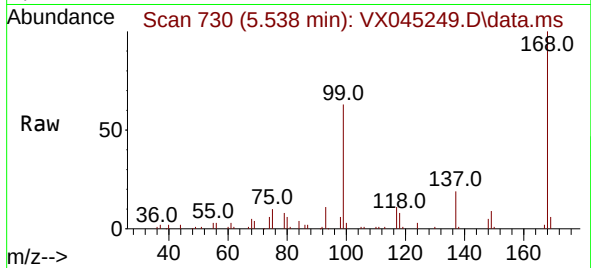




#31  
Cyclohexane  
Concen: 1.310 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

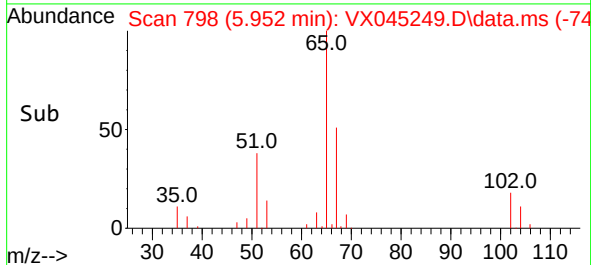
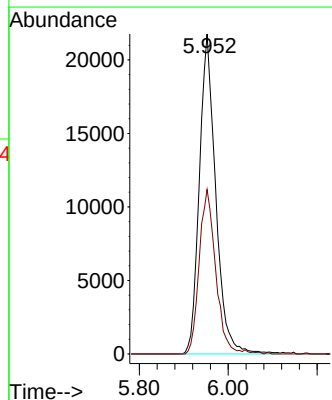
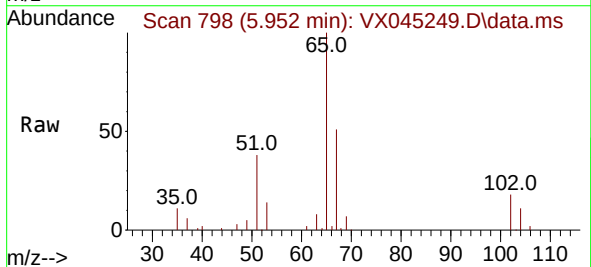
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

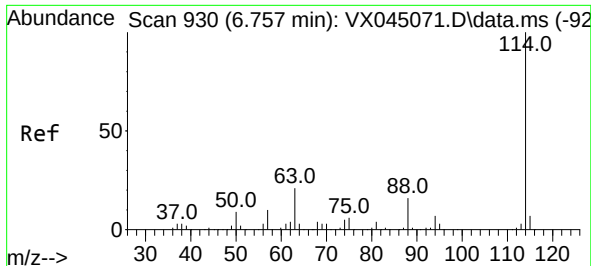
Tgt Ion: 56 Resp: 1818  
Ion Ratio Lower Upper  
56 100  
69 130.8 23.4 35.2#  
84 120.9 69.4 104.2#



#33  
1,2-Dichloroethane-d4  
Concen: 54.638 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion: 65 Resp: 55745  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 106.2

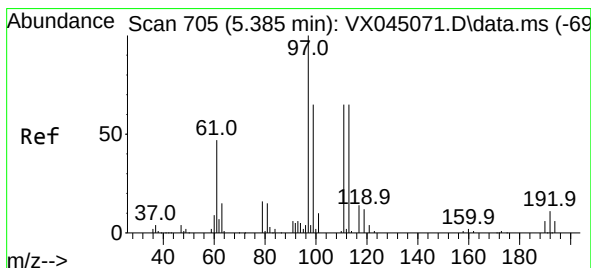
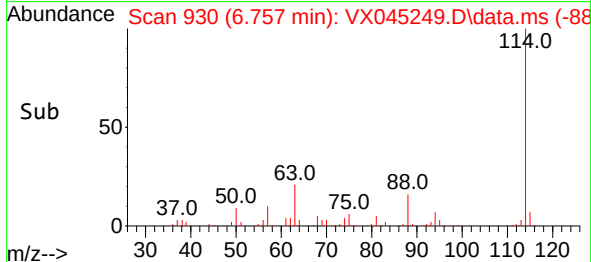
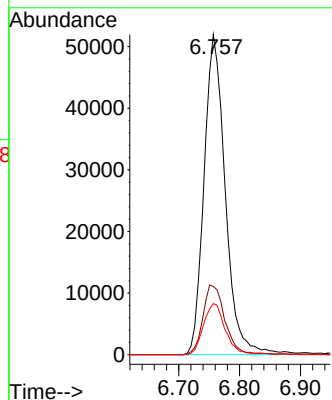
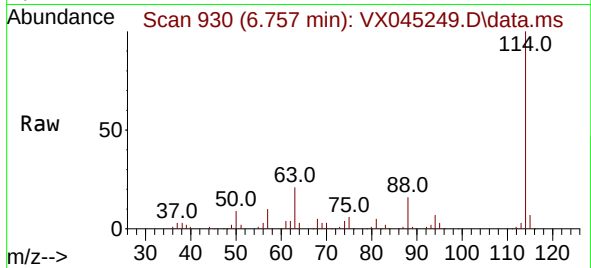




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

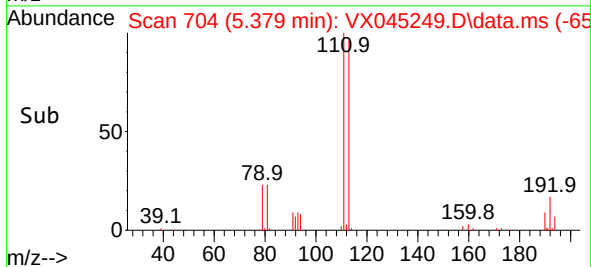
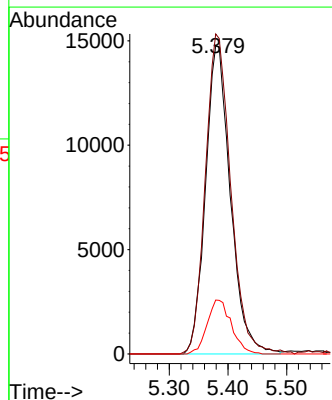
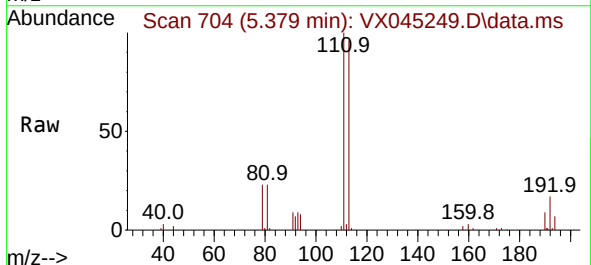
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

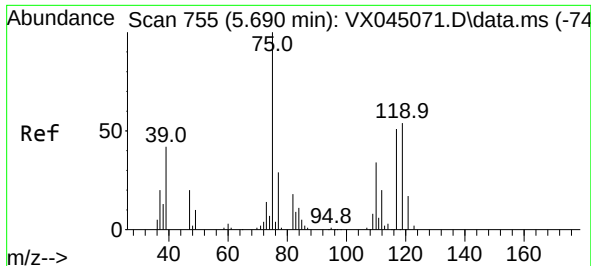
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 125675      |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 21.3  | 0.0 41.8    |
| 88          | 16.0  | 0.0 32.8    |



#35  
Dibromofluoromethane  
Concen: 51.868 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

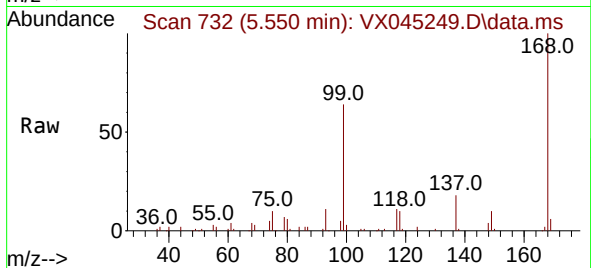
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 43588       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 105.7 | 81.8 122.6  |
| 192         | 17.0  | 14.3 21.5   |



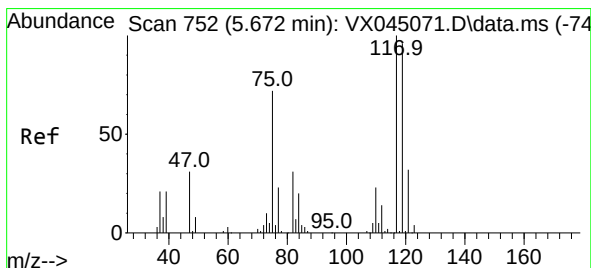
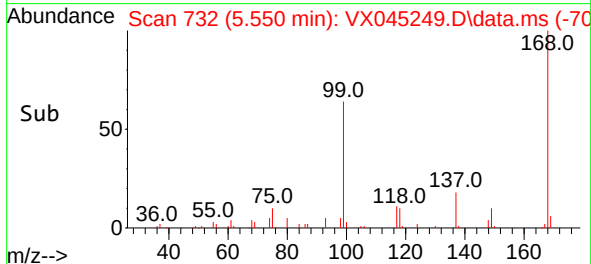
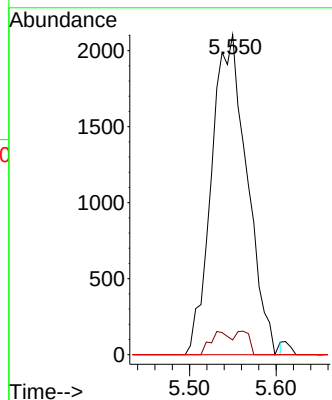


#36  
1,1-Dichloropropene  
Concen: 5.203 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.140 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

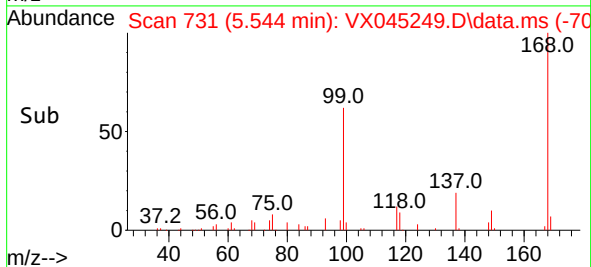
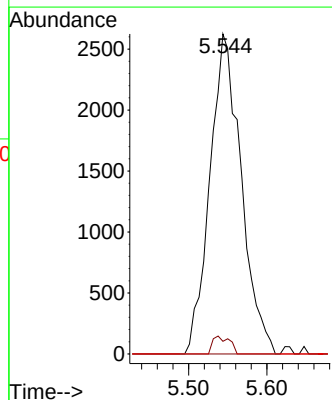
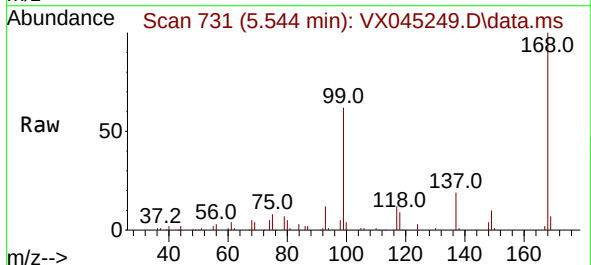


Tgt Ion: 75 Resp: 5996  
Ion Ratio Lower Upper  
75 100  
110 2.7 16.9 50.6#  
77 0.0 24.5 36.7#

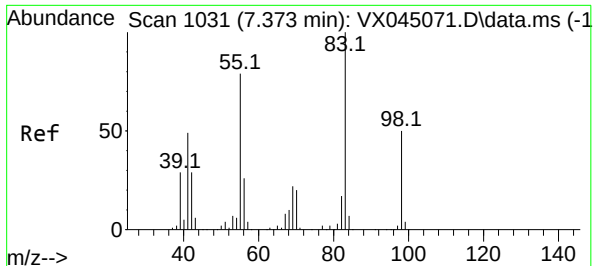


#38  
Carbon Tetrachloride  
Concen: 6.227 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion: 117 Resp: 7286  
Ion Ratio Lower Upper  
117 100  
119 4.0 76.7 115.1#  
121 0.0 25.5 38.3#



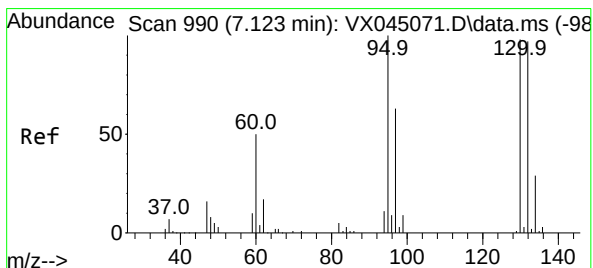
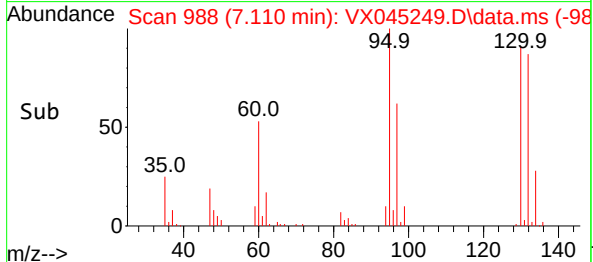
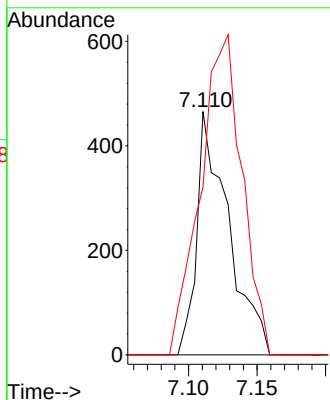
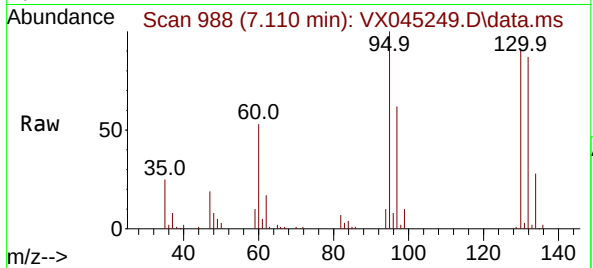




#39  
Methylcyclohexane  
Concen: 0.540 ug/l  
RT: 7.110 min Scan# 988  
Delta R.T. -0.262 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

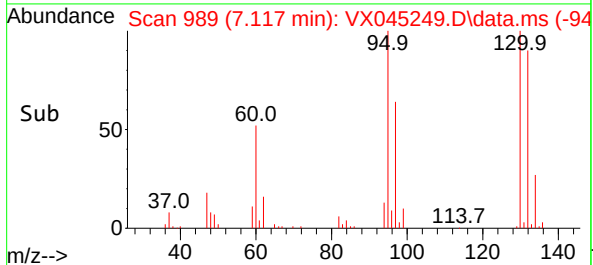
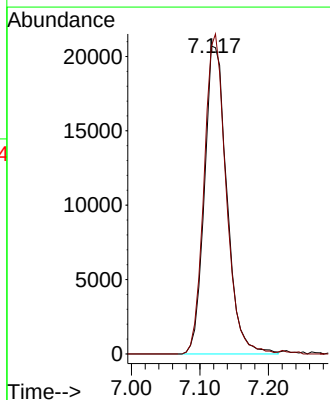
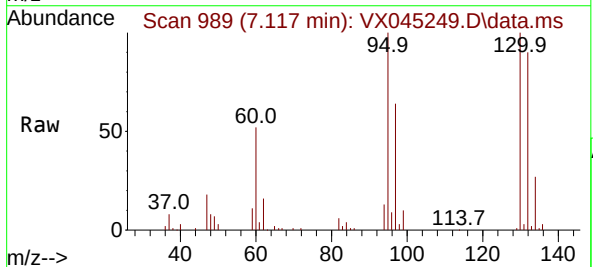
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MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

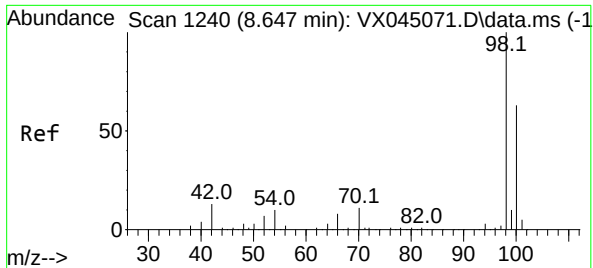
Tgt Ion: 83 Resp: 746  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.0 94.4#  
98 68.9 39.7 59.5#



#44  
Trichloroethene  
Concen: 55.246 ug/l  
RT: 7.117 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion:130 Resp: 47209  
Ion Ratio Lower Upper  
130 100  
95 99.8 0.0 205.0

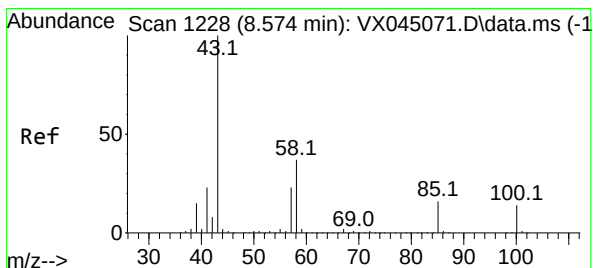
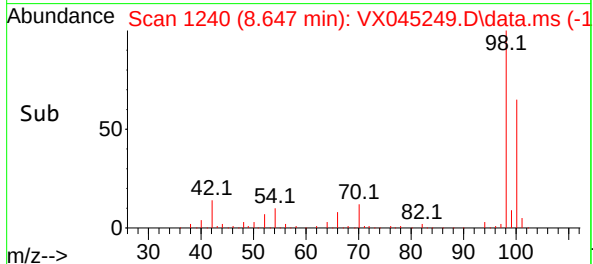
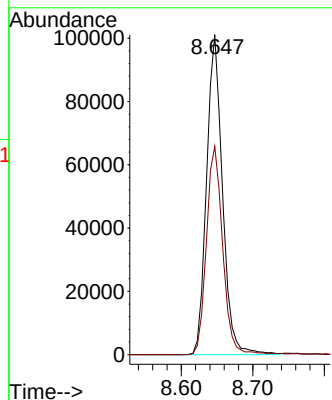
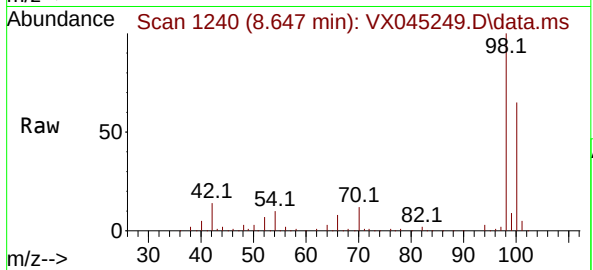




#50  
Toluene-d8  
Concen: 51.374 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

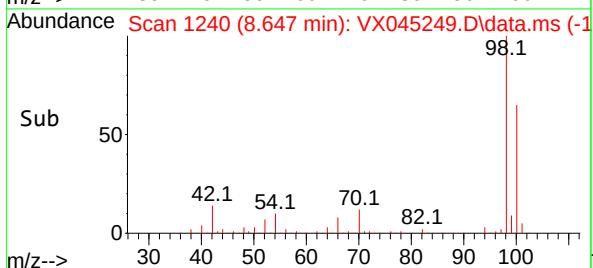
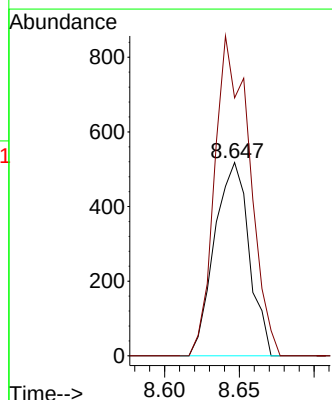
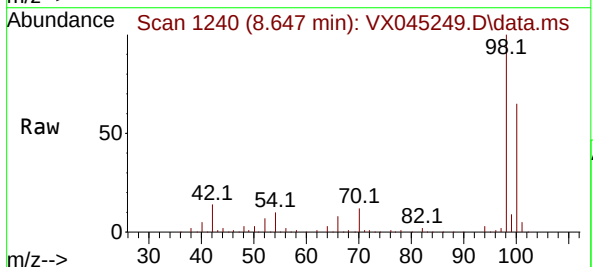
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

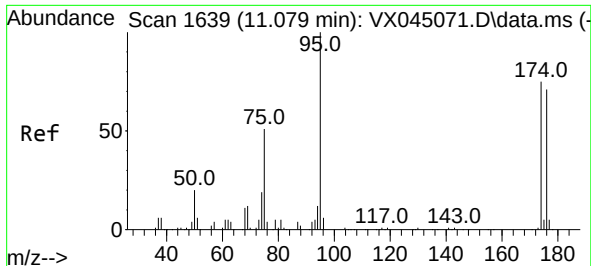
Tgt Ion: 98 Resp: 156514  
Ion Ratio Lower Upper  
98 100  
100 66.6 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.567 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion: 43 Resp: 836  
Ion Ratio Lower Upper  
43 100  
58 165.3 29.2 43.8#

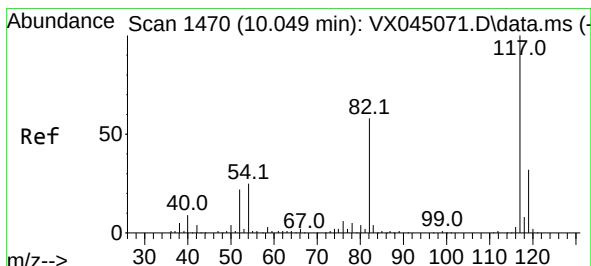
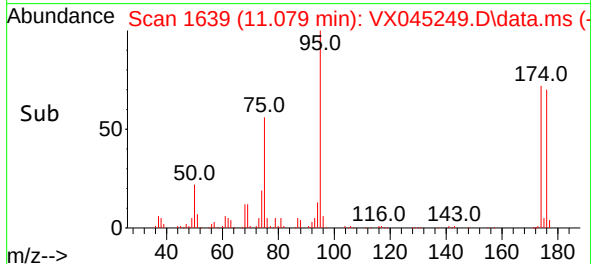
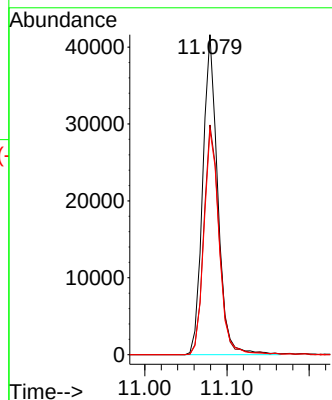
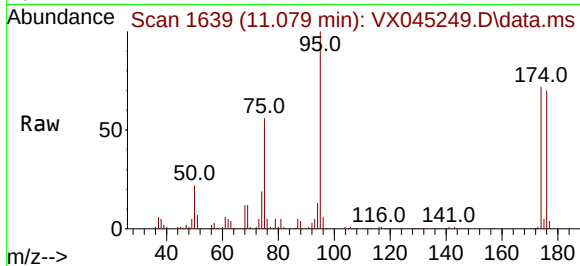




#62  
4-Bromofluorobenzene  
Concen: 52.096 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

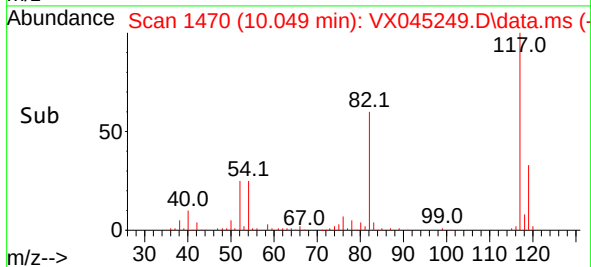
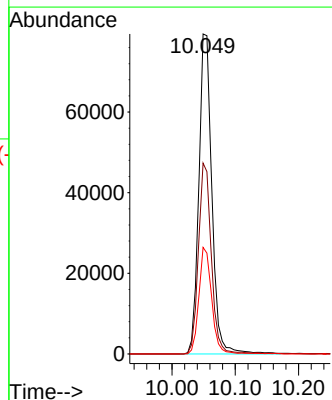
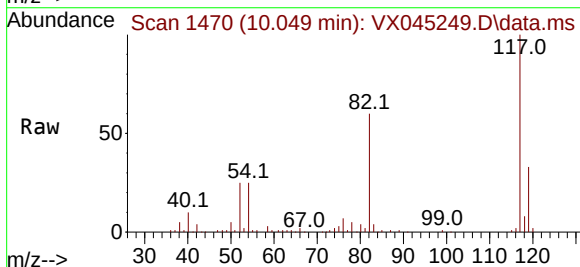
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

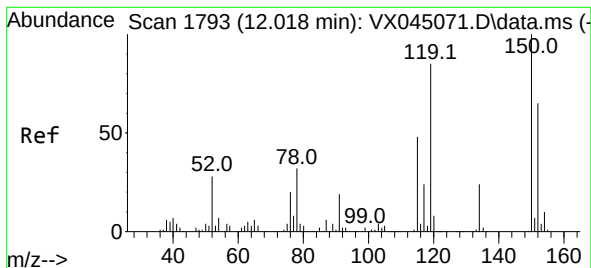
Tgt Ion: 95 Resp: 52593  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 148.2  
176 71.5 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

Tgt Ion: 117 Resp: 114353  
Ion Ratio Lower Upper  
117 100  
82 59.6 46.3 69.5  
119 33.3 25.7 38.5

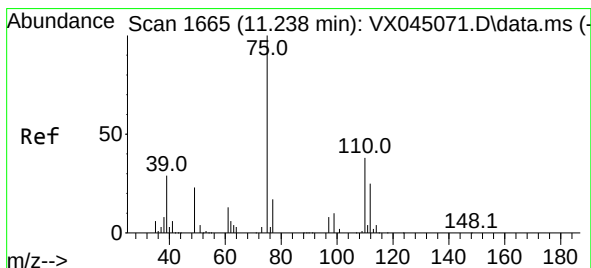
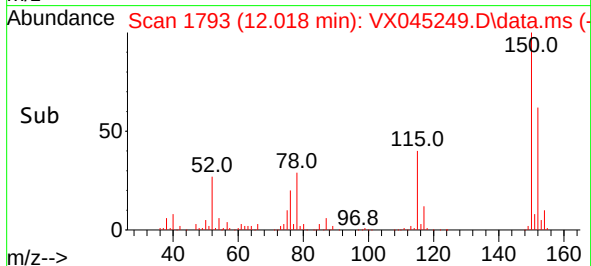
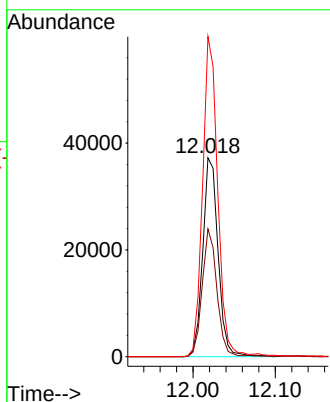
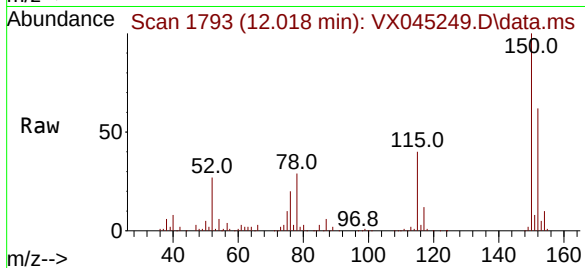




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

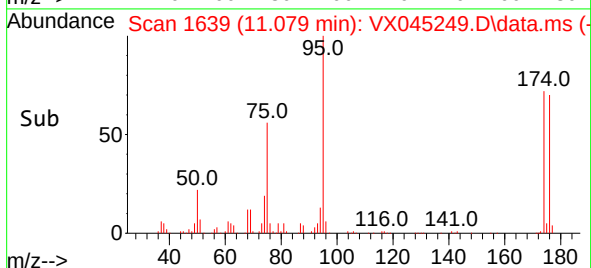
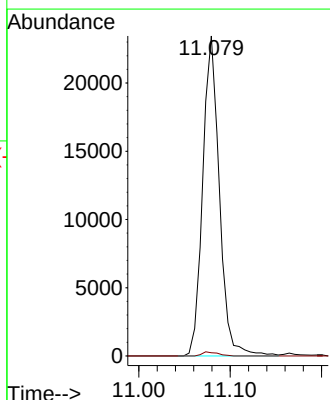
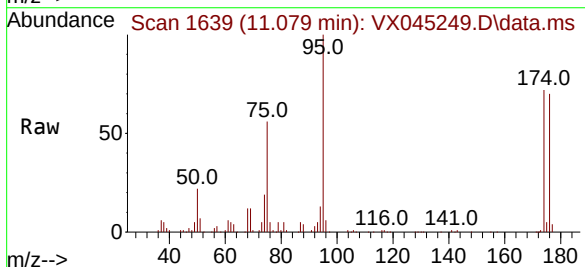
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE105D2-20250306DL

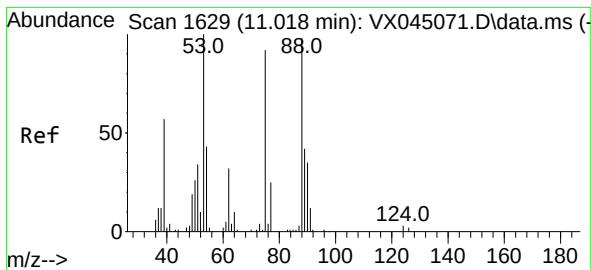
Tgt Ion:152 Resp: 48309  
Ion Ratio Lower Upper  
152 100  
115 61.8 44.2 132.6  
150 159.0 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 26.421 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045249.D  
Acq: 12 Mar 2025 15:21

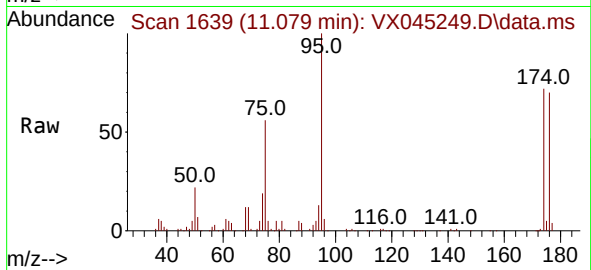
Tgt Ion: 75 Resp: 29708  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.7 62.1#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.418 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045249.D  
 Acq: 12 Mar 2025 15:21

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE105D2-20250306DL



Tgt Ion: 75 Resp: 29708  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 88.5 132.7#  
 89 0.0 36.2 54.4#

