

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121625\  
 Data File : VX048907.D  
 Acq On : 16 Dec 2025 22:39  
 Operator : JC/MD  
 Sample : Q3849-09DL 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19B-71.5-121125DL

Quant Time: Dec 17 03:31:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 17 03:22:16 2025  
 Response via : Initial Calibration

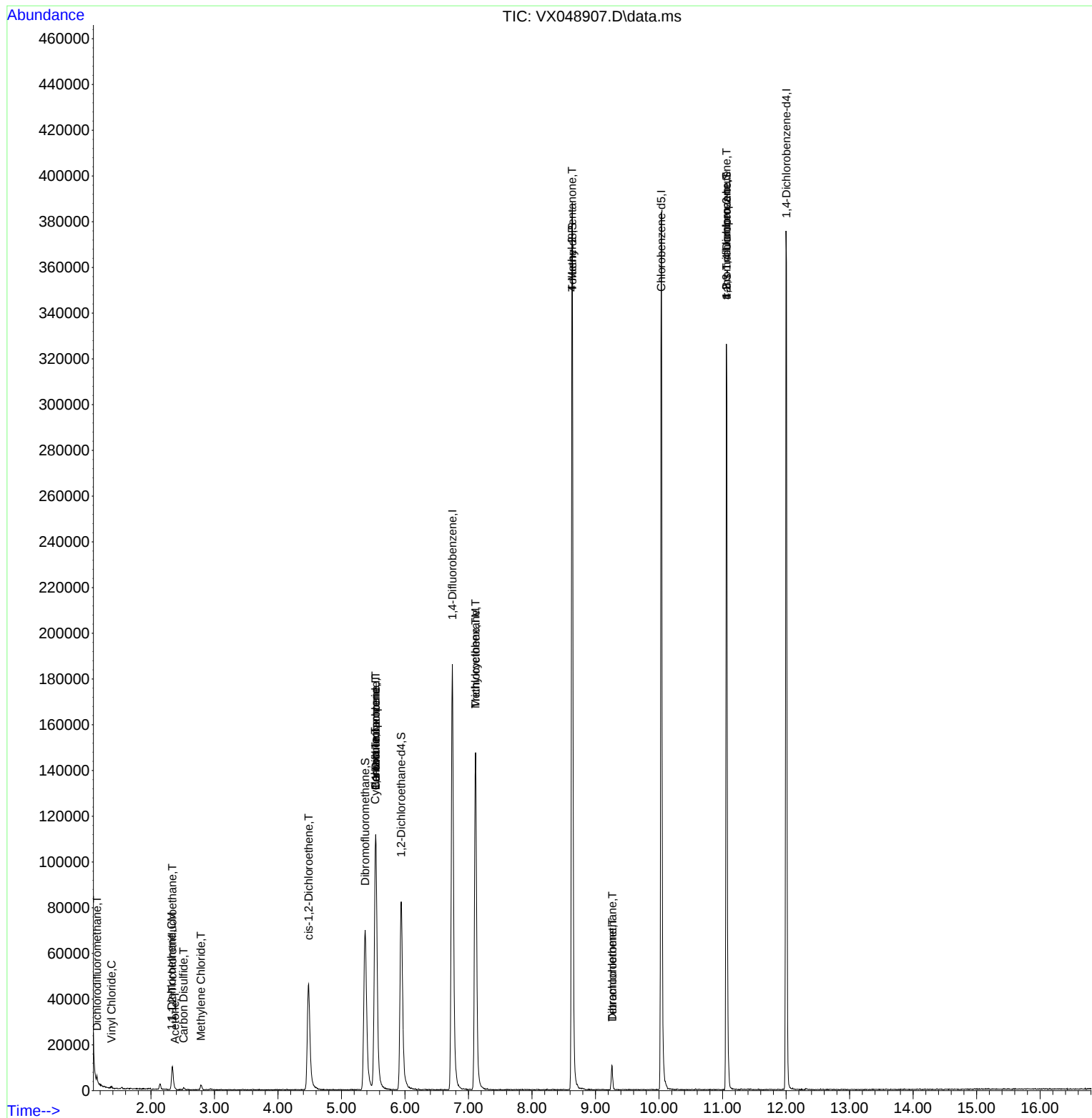
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.538  | 168   | 114460   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745  | 114   | 197510   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 175255   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 81087    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940  | 65    | 89038    | 46.538   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 93.080%  |
| 35) Dibromofluoromethane      | 5.373  | 113   | 69807    | 47.551   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.100%  |
| 50) Toluene-d8                | 8.635  | 98    | 245585   | 46.857   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 93.720%  |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 86865    | 46.163   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 92.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.148  | 85    | 277      | 0.210    | ug/l # | 42       |
| 4) Vinyl Chloride             | 1.380  | 62    | 475      | 0.318    | ug/l # | 84       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.337  | 101   | 4384     | 3.604    | ug/l   | 98       |
| 12) 1,1-Dichloroethene        | 2.325  | 96    | 399      | 0.334    | ug/l # | 56       |
| 16) Acetone                   | 2.380  | 43    | 296      | 0.734    | ug/l # | 43       |
| 17) Carbon Disulfide          | 2.514  | 76    | 1183     | 0.328    | ug/l # | 83       |
| 20) Methylene Chloride        | 2.788  | 84    | 977      | 0.587    | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene    | 4.483  | 96    | 32266    | 18.765   | ug/l   | 98       |
| 31) Cyclohexane               | 5.531  | 56    | 2663     | 1.239    | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 9725     | 5.278    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.538  | 117   | 12224    | 5.566    | ug/l # | 13       |
| 39) Methylcyclohexane         | 7.110  | 83    | 691      | 0.334    | ug/l # | 1        |
| 44) Trichloroethene           | 7.110  | 130   | 61767    | 40.556   | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.628  | 43    | 1206     | 0.739    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.262  | 129   | 2067     | 1.174    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.262  | 164   | 2178     | 1.932    | ug/l   | 88       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 48011    | 36.824   | ug/l # | 30       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 48011    | 93.525   | ug/l # | 3        |
| -----                         |        |       |          |          |        |          |

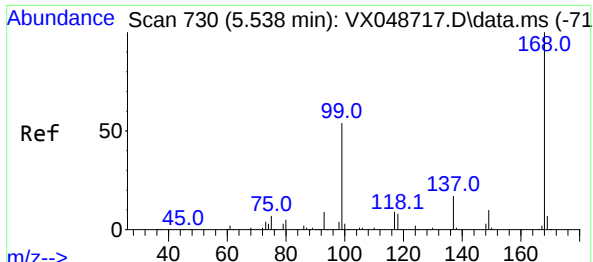
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-19B-71.5-121125DL

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QLast Update : Wed Dec 17 03:22:16 2025  
Response via : Initial Calibration

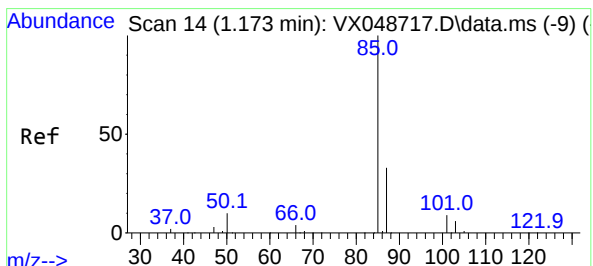
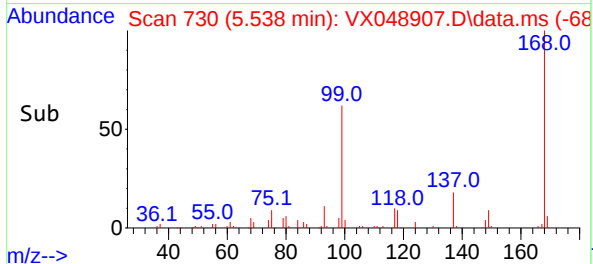
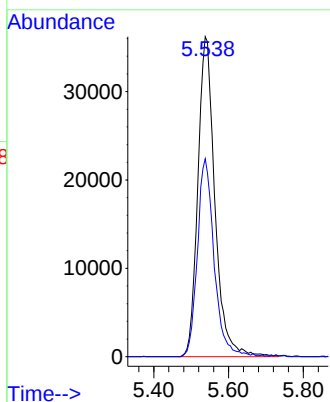
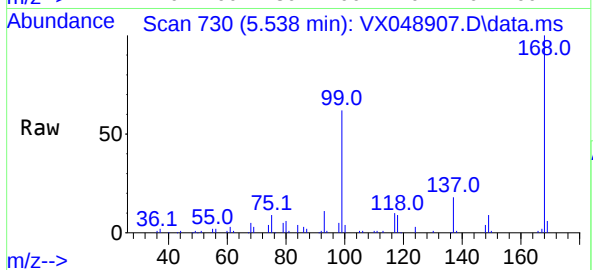




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

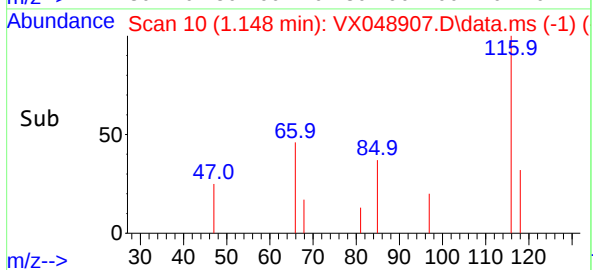
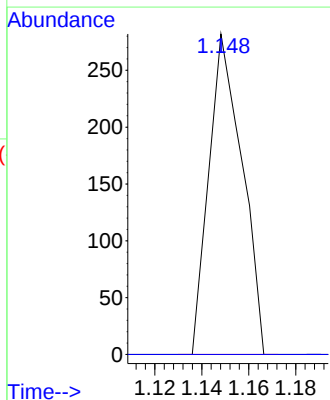
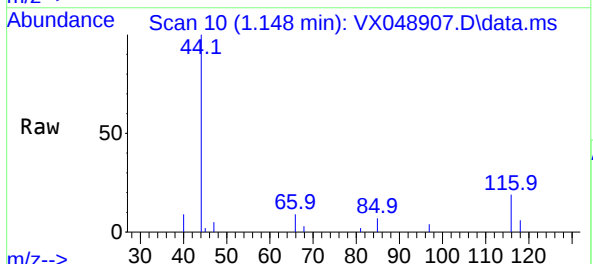
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

Tgt Ion:168 Resp: 114460  
Ion Ratio Lower Upper  
168 100  
99 61.9 44.2 66.4

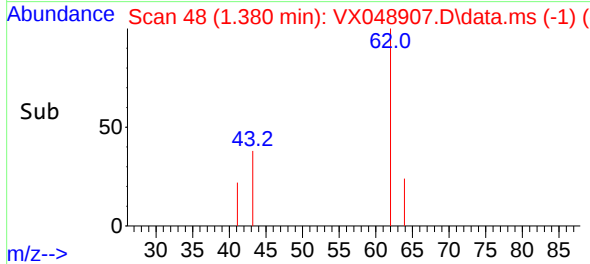
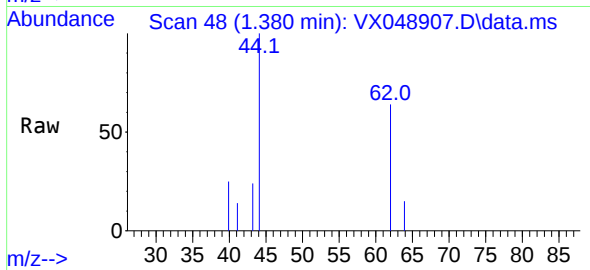
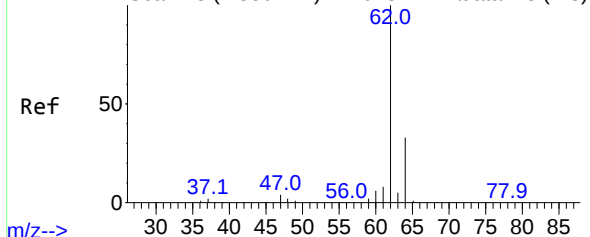


#2  
Dichlorodifluoromethane  
Concen: 0.210 ug/l  
RT: 1.148 min Scan# 10  
Delta R.T. -0.024 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 85 Resp: 277  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.4 49.1#



Abundance Scan 48 (1.380 min): VX048717.D\data.ms (-43)



#4

Vinyl Chloride

Concen: 0.318 ug/l

RT: 1.380 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX048907.D

Acq: 16 Dec 2025 22:39

Instrument :

MSVOA\_X

ClientSampleId :

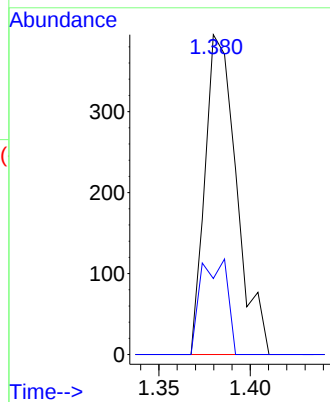
MW-19B-71.5-121125DL

Tgt Ion: 62 Resp: 475

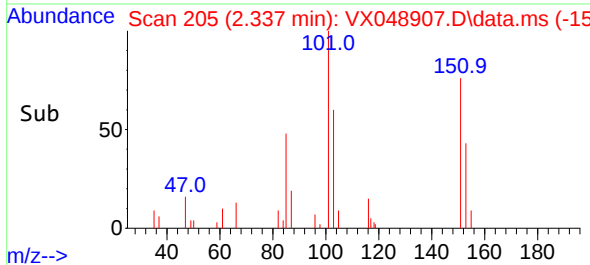
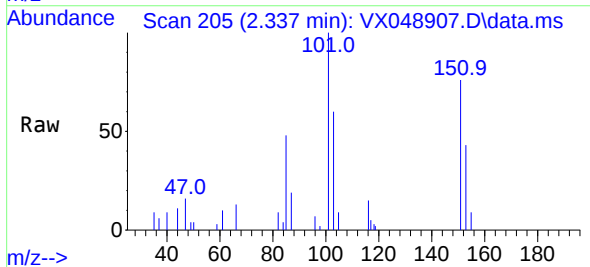
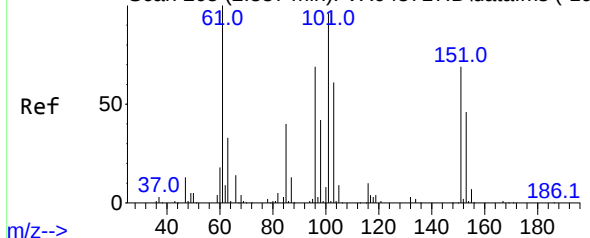
Ion Ratio Lower Upper

62 100

64 23.8 26.0 39.0#



Abundance Scan 205 (2.337 min): VX048717.D\data.ms (-19)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.604 ug/l

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX048907.D

Acq: 16 Dec 2025 22:39

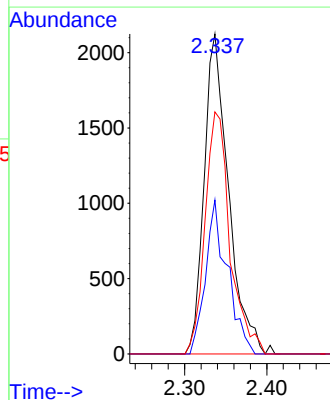
Tgt Ion: 101 Resp: 4384

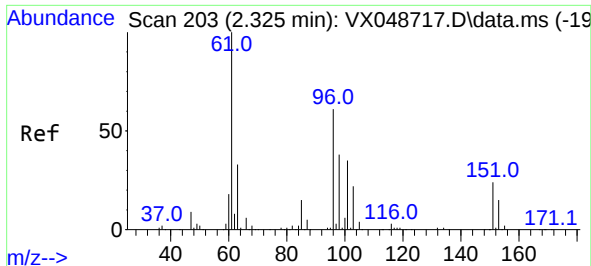
Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

151 77.2 60.2 90.4

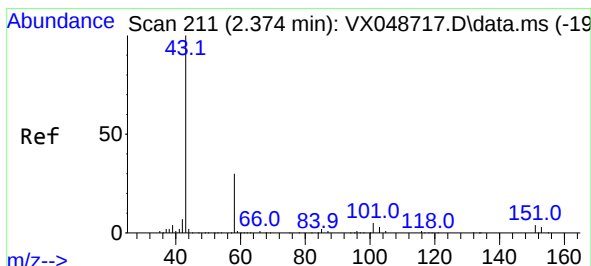
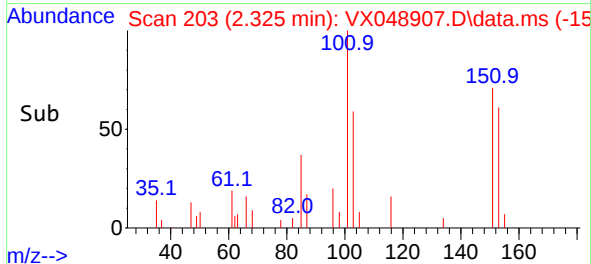
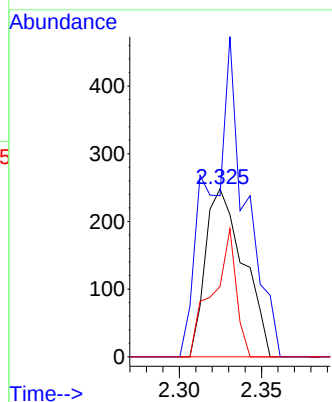
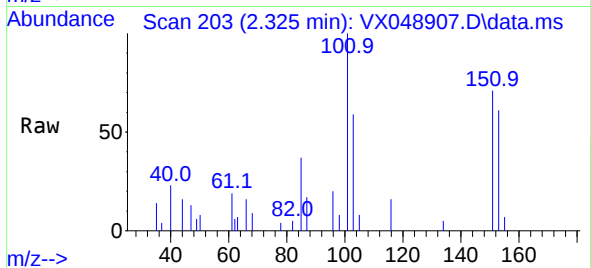




#12  
1,1-Dichloroethene  
Concen: 0.334 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

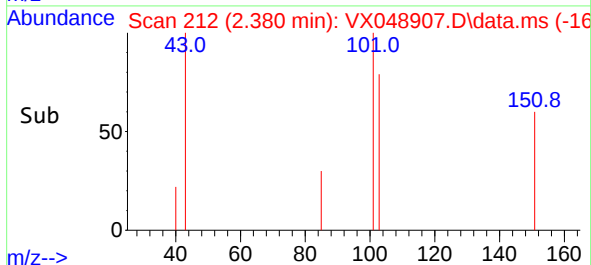
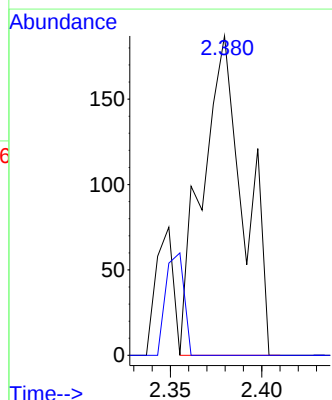
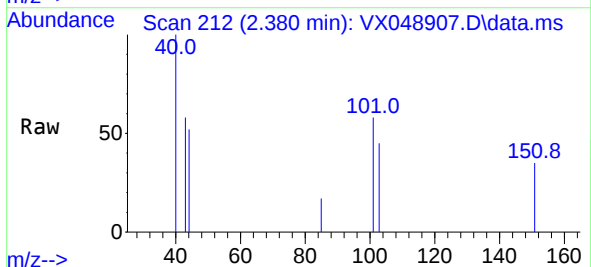
Instrument :  
MSVOA\_X  
ClientSampleId :  
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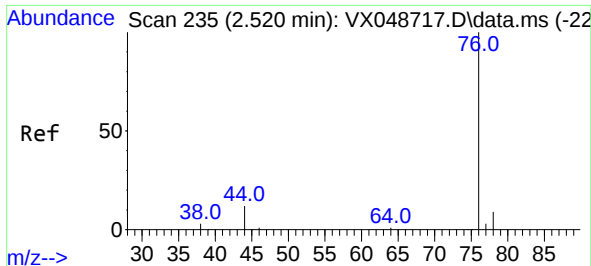
Tgt Ion: 96 Resp: 399  
Ion Ratio Lower Upper  
96 100  
61 96.0 130.7 196.1#  
98 41.9 49.8 74.8#



#16  
Acetone  
Concen: 0.734 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 43 Resp: 296  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.0 37.4#





#17

Carbon Disulfide

Concen: 0.328 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048907.D

Acq: 16 Dec 2025 22:39

Instrument :

MSVOA\_X

ClientSampleId :

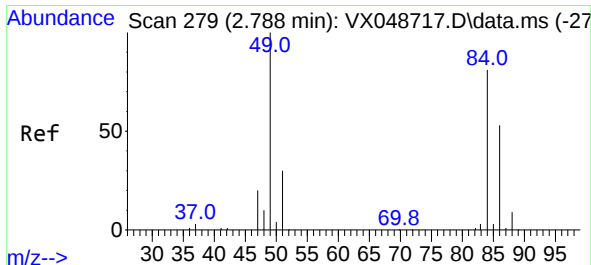
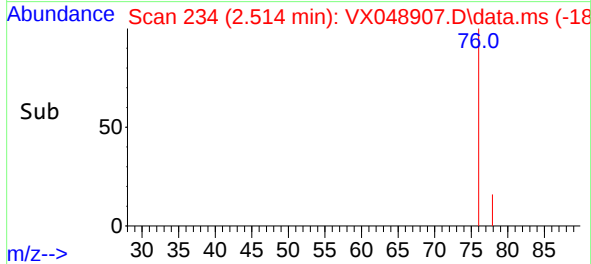
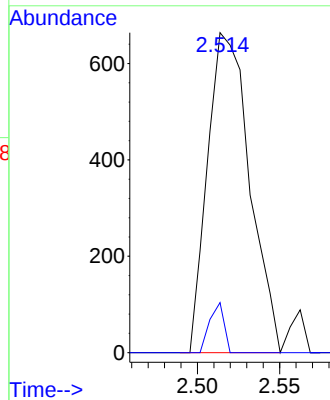
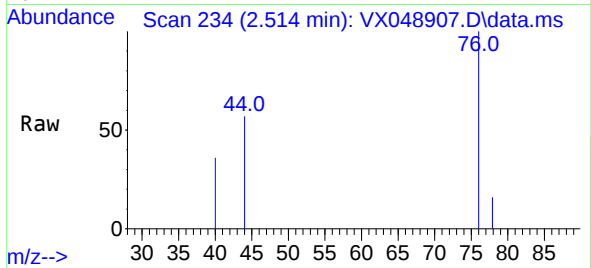
MW-19B-71.5-121125DL

Tgt Ion: 76 Resp: 1183

Ion Ratio Lower Upper

76 100

78 15.7 7.4 11.2#



#20

Methylene Chloride

Concen: 0.587 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX048907.D

Acq: 16 Dec 2025 22:39

Tgt Ion: 84 Resp: 977

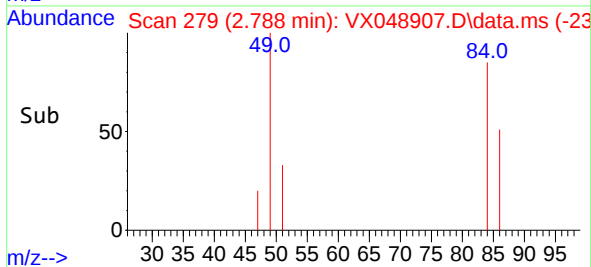
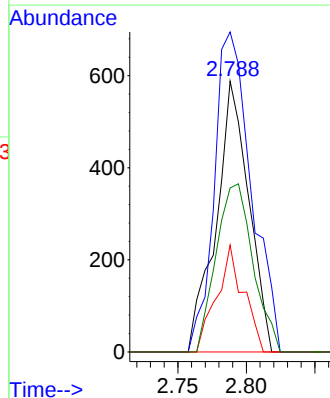
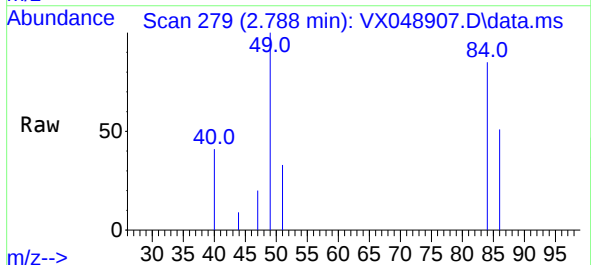
Ion Ratio Lower Upper

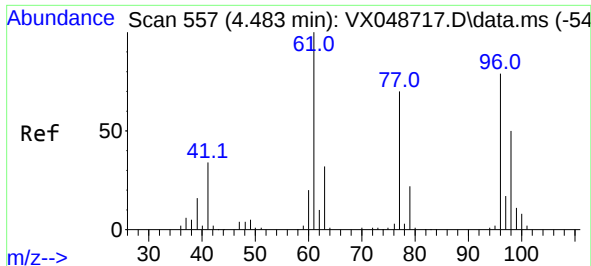
84 100

49 118.2 98.7 148.1

51 39.5 29.4 44.2

86 60.5 52.5 78.7

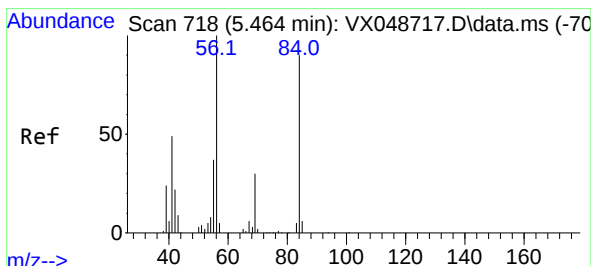
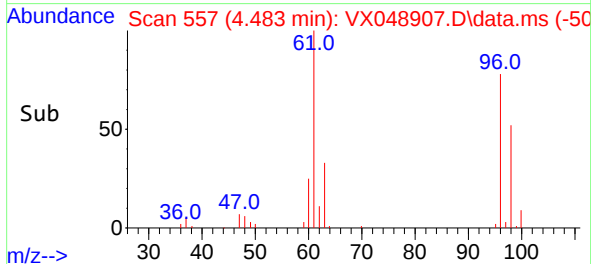
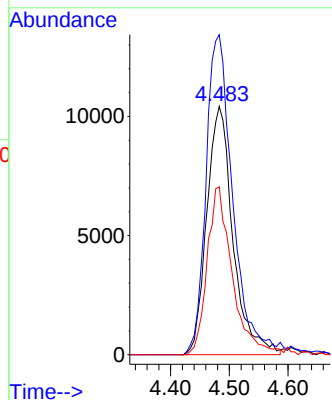
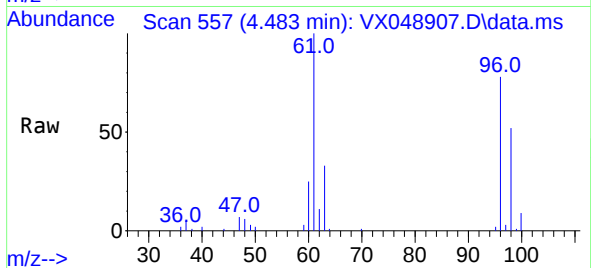




#27  
cis-1,2-Dichloroethene  
Concen: 18.765 ug/l  
RT: 4.483 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

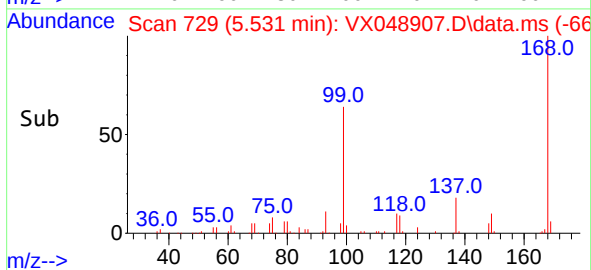
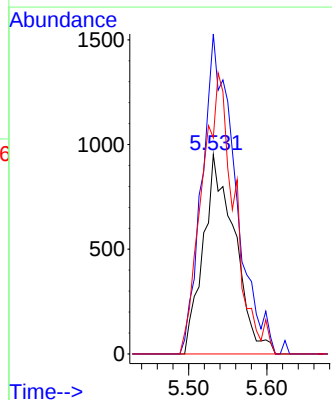
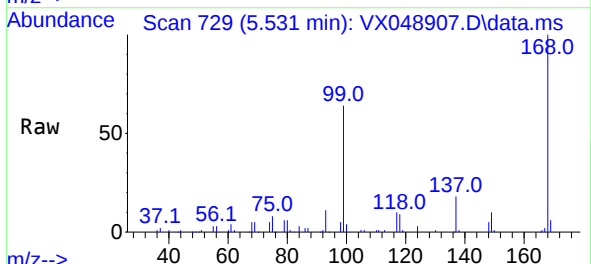
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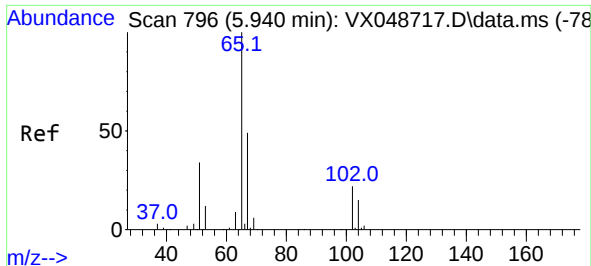
Tgt Ion: 96 Resp: 32266  
Ion Ratio Lower Upper  
96 100  
61 132.0 0.0 271.0  
98 64.8 0.0 130.2



#31  
Cyclohexane  
Concen: 1.239 ug/l  
RT: 5.531 min Scan# 729  
Delta R.T. 0.073 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 56 Resp: 2663  
Ion Ratio Lower Upper  
56 100  
69 160.5 24.2 36.2#  
84 108.4 72.1 108.1#

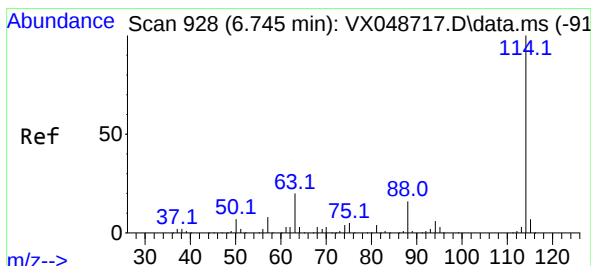
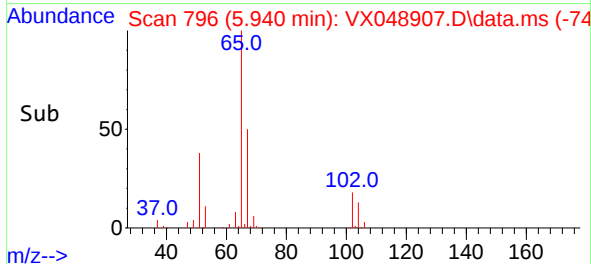
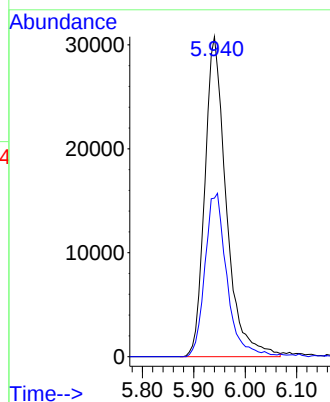
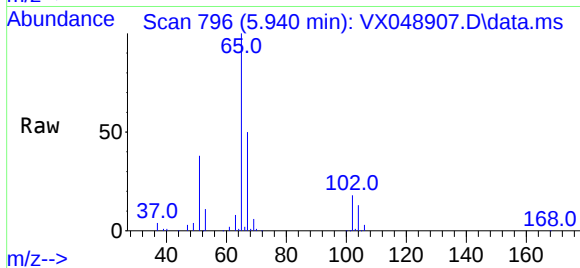




#33  
1,2-Dichloroethane-d4  
Concen: 46.538 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

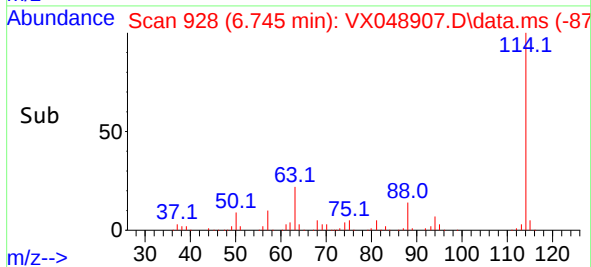
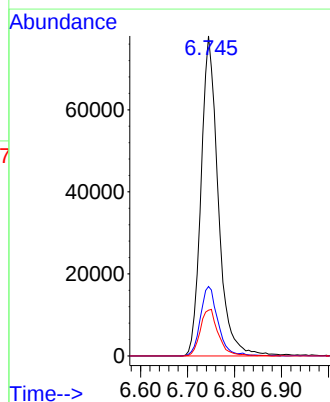
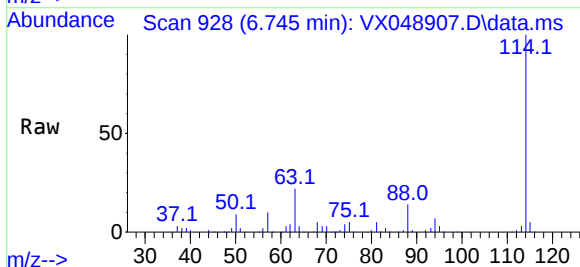
Instrument : MSVOA\_X  
ClientSampleId : MW-19B-71.5-121125DL

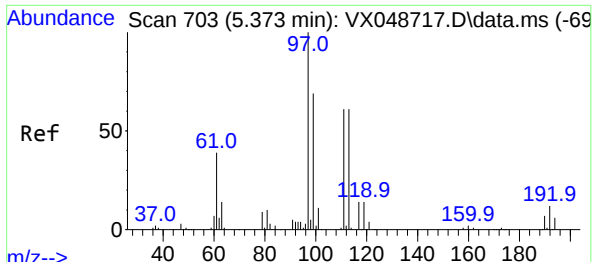
Tgt Ion: 65 Resp: 89038  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 107.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.745 min Scan# 928  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 114 Resp: 197510  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 39.0  
88 14.3 0.0 31.8



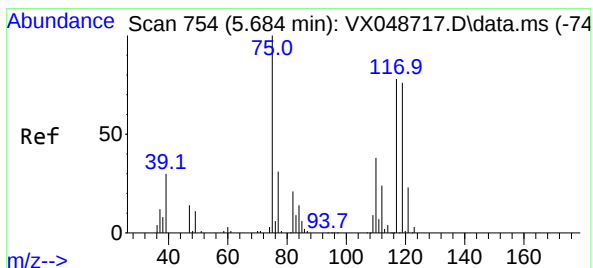
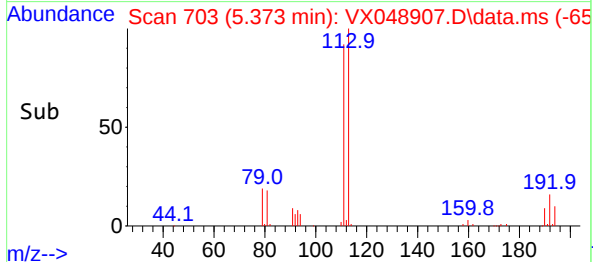
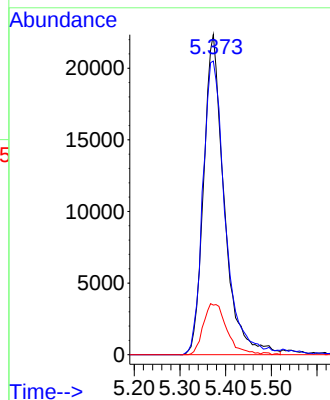
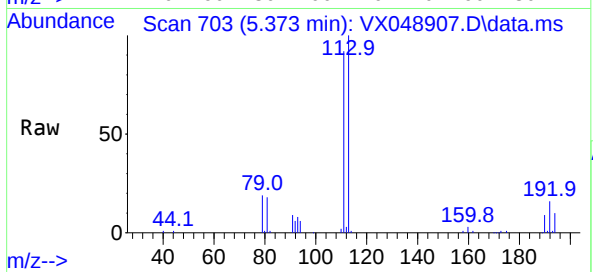


#35  
Dibromofluoromethane  
Concen: 47.551 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. 0.006 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

Tgt Ion:113 Resp: 69807

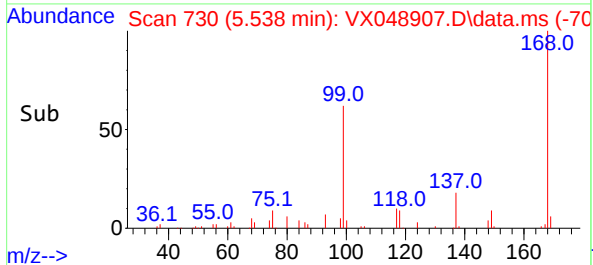
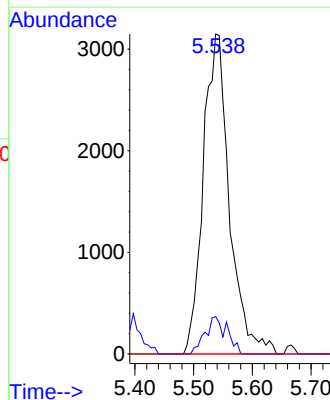
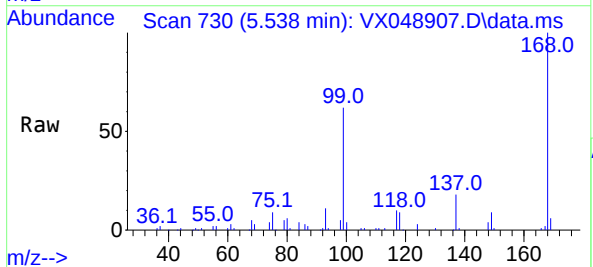
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 99.6  | 79.5  | 119.3 |
| 192 | 18.2  | 16.1  | 24.1  |

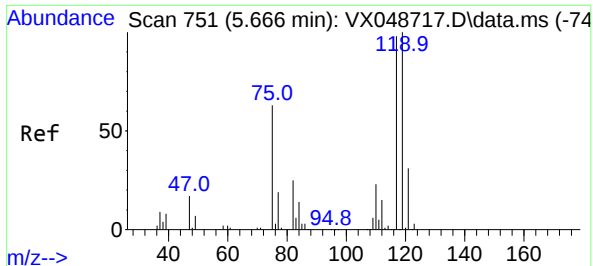


#36  
1,1-Dichloropropene  
Concen: 5.278 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.146 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 75 Resp: 9725

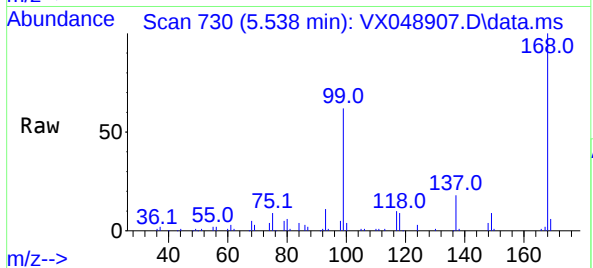
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 9.7   | 18.6  | 55.8# |
| 77  | 0.0   | 25.3  | 37.9# |



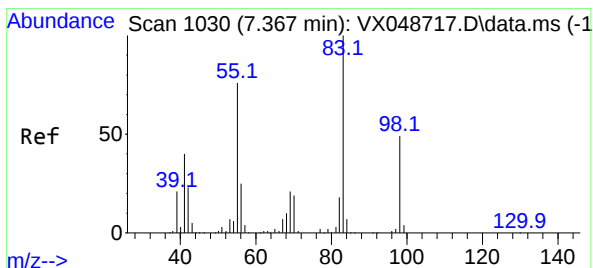
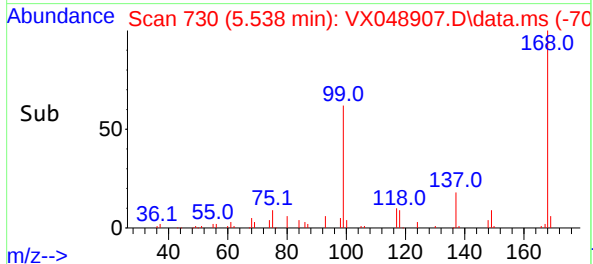
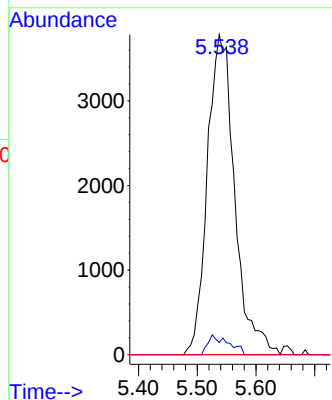


#38  
Carbon Tetrachloride  
Concen: 5.566 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

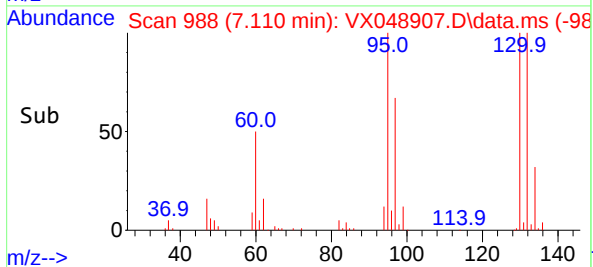
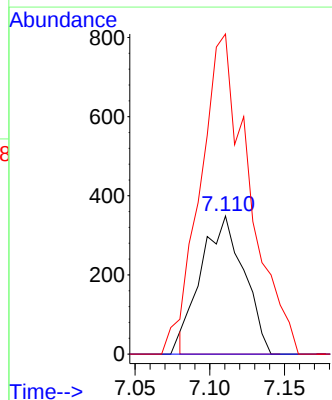
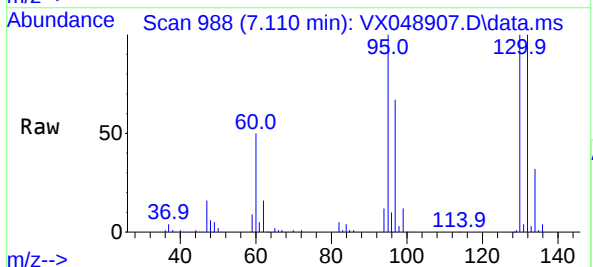


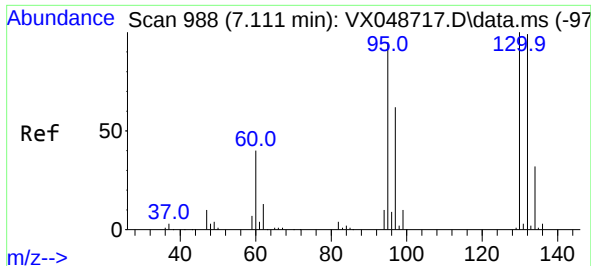
Tgt Ion:117 Resp: 12224  
Ion Ratio Lower Upper  
117 100  
119 3.8 80.5 120.7#  
121 0.0 25.4 38.0#



#39  
Methylcyclohexane  
Concen: 0.334 ug/l  
RT: 7.110 min Scan# 988  
Delta R.T. -0.256 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 83 Resp: 691  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.6 90.8#  
98 206.6 39.3 58.9#

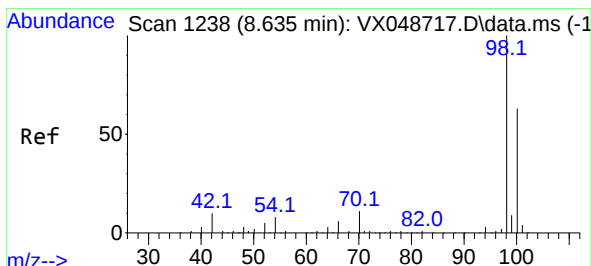
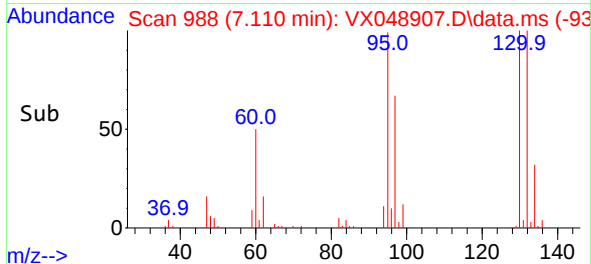
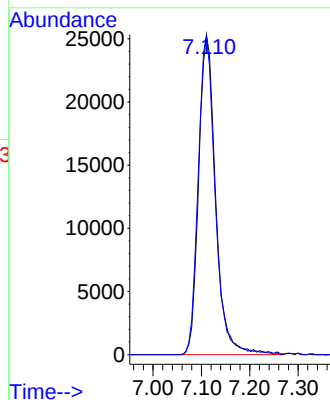
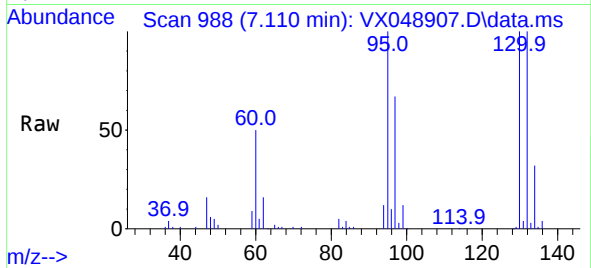




#44  
Trichloroethene  
Concen: 40.556 ug/l  
RT: 7.110 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

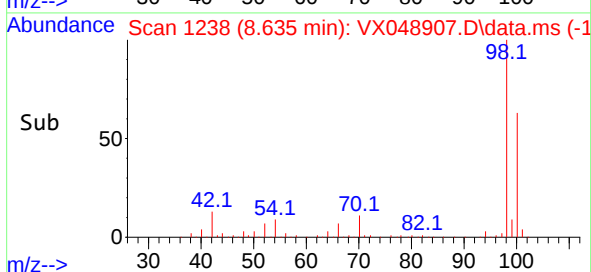
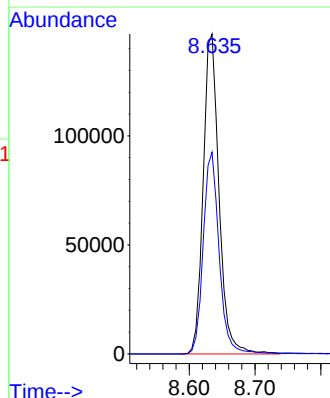
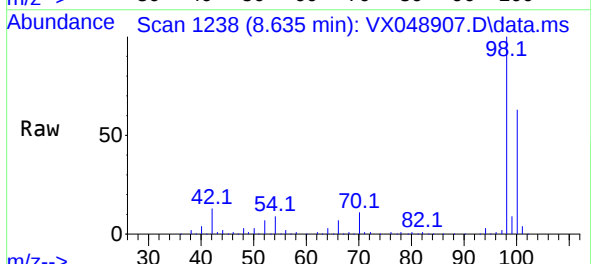
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

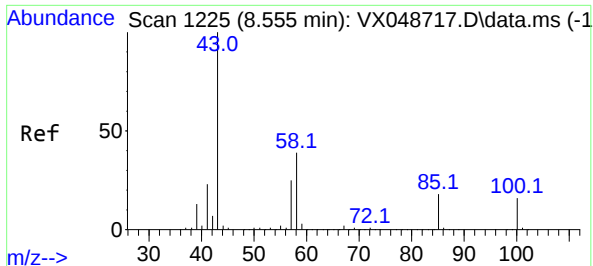
Tgt Ion:130 Resp: 61767  
Ion Ratio Lower Upper  
130 100  
95 99.6 0.0 189.6



#50  
Toluene-d8  
Concen: 46.857 ug/l  
RT: 8.635 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 98 Resp: 245585  
Ion Ratio Lower Upper  
98 100  
100 63.2 53.4 80.0

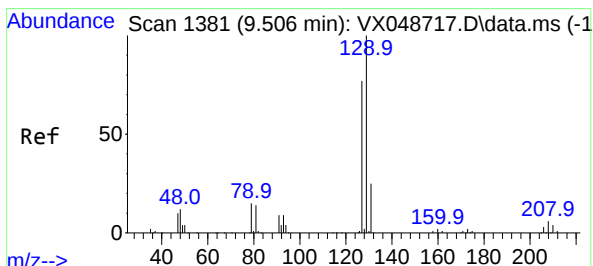
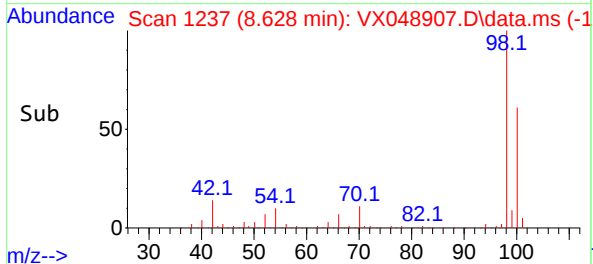
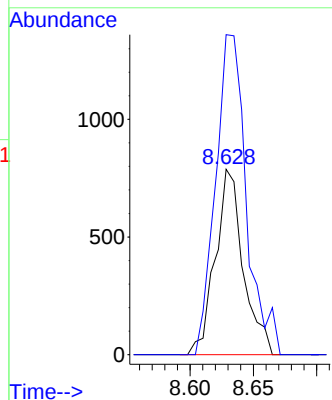
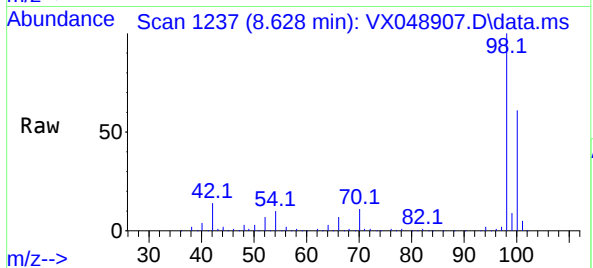




#51  
4-Methyl-2-Pentanone  
Concen: 0.739 ug/l  
RT: 8.628 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

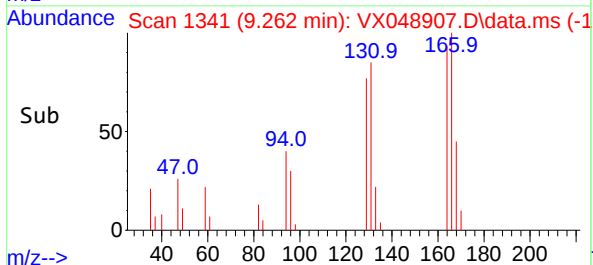
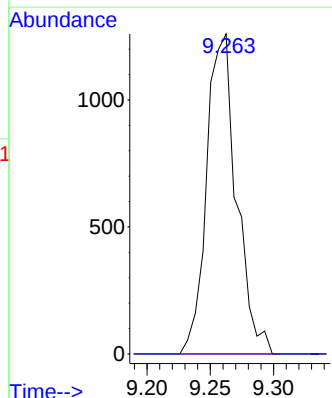
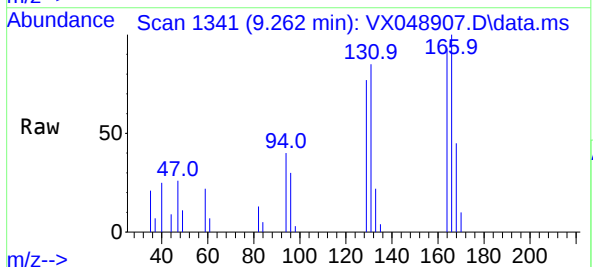
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

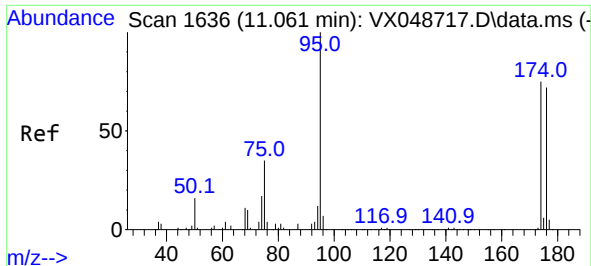
Tgt Ion: 43 Resp: 1206  
Ion Ratio Lower Upper  
43 100  
58 191.3 32.2 48.4#



#60  
Dibromochloromethane  
Concen: 1.174 ug/l  
RT: 9.262 min Scan# 1341  
Delta R.T. -0.244 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 129 Resp: 2067  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.3 114.9#

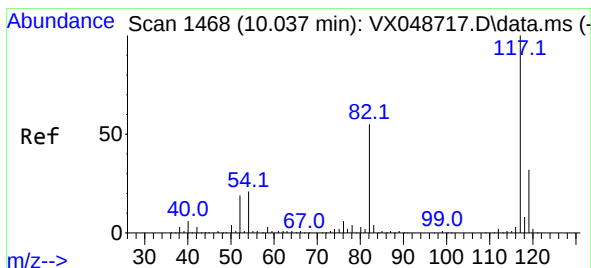
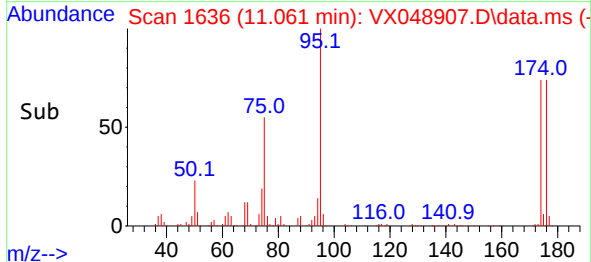
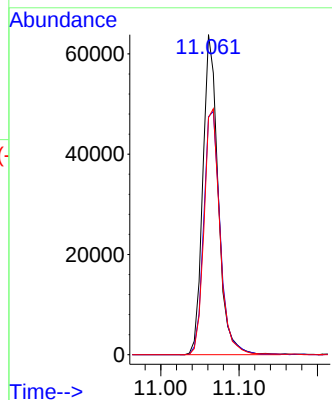
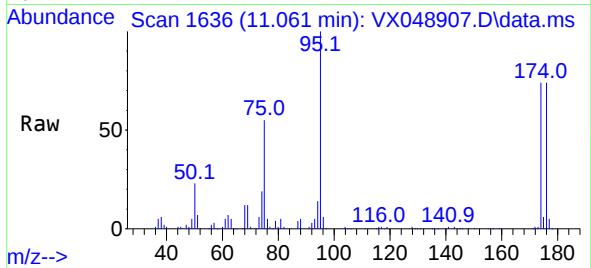




#62  
4-Bromofluorobenzene  
Concen: 46.163 ug/l  
RT: 11.061 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

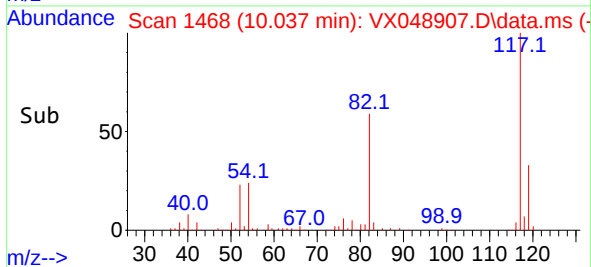
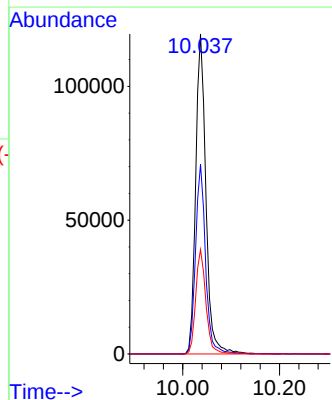
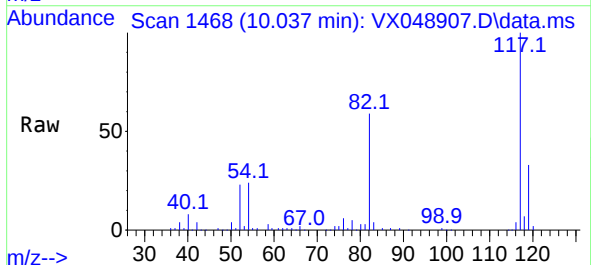
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

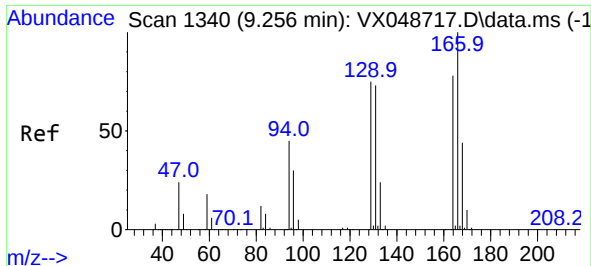
Tgt Ion: 95 Resp: 86865  
Ion Ratio Lower Upper  
95 100  
174 81.5 0.0 157.8  
176 79.5 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 117 Resp: 175255  
Ion Ratio Lower Upper  
117 100  
82 59.2 44.1 66.1  
119 32.6 25.2 37.8



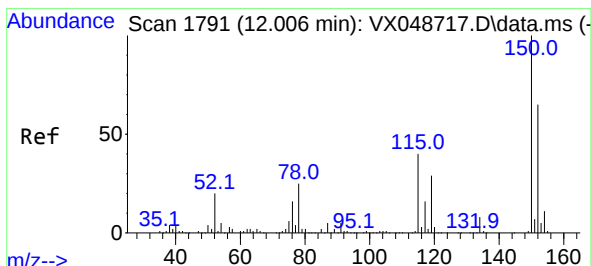
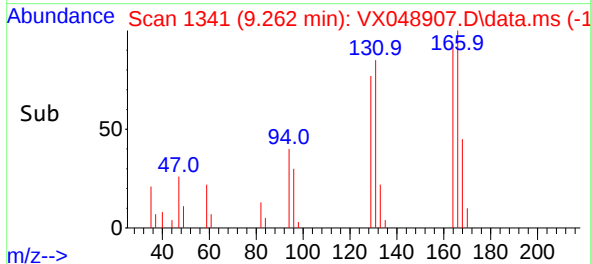
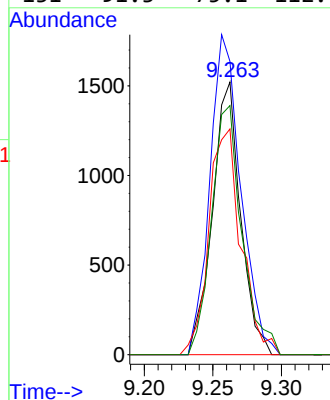
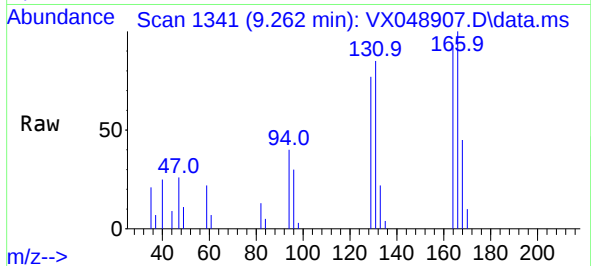


#64  
Tetrachloroethene  
Concen: 1.932 ug/l  
RT: 9.262 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

Tgt Ion:164 Resp: 2178

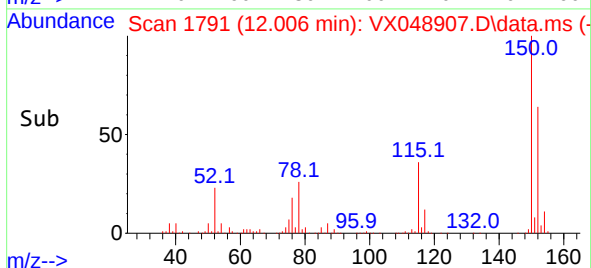
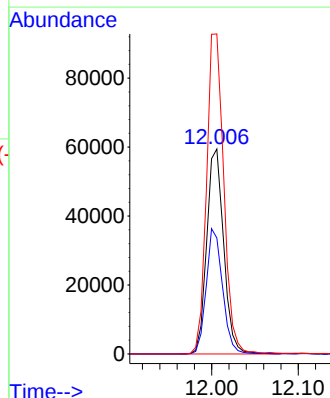
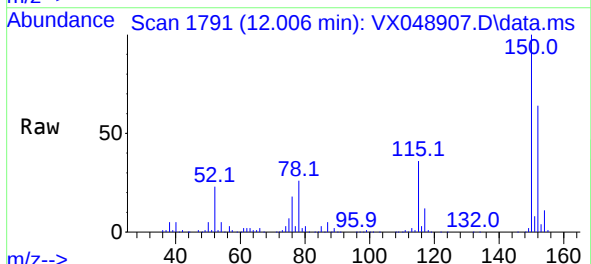
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 107.6 | 103.1 | 154.7 |
| 129 | 82.8  | 76.9  | 115.3 |
| 131 | 91.3  | 75.1  | 112.7 |

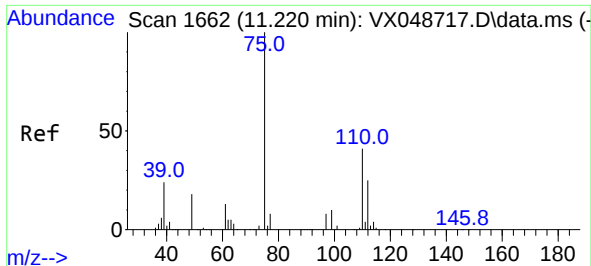


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.006 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion:152 Resp: 81087

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.8  | 42.1  | 126.4 |
| 150 | 157.7 | 0.0   | 347.8 |

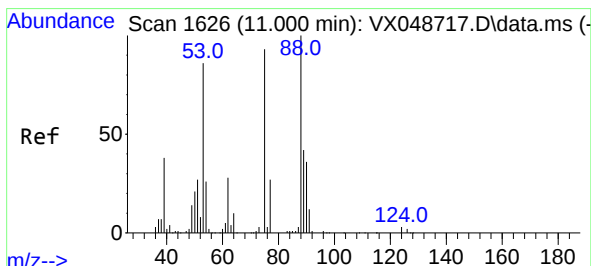
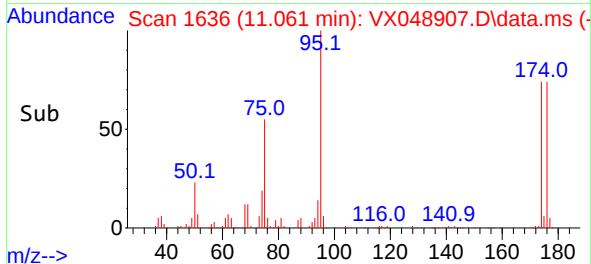
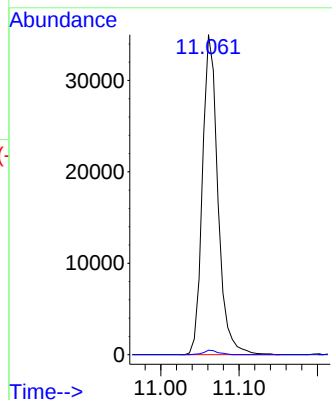
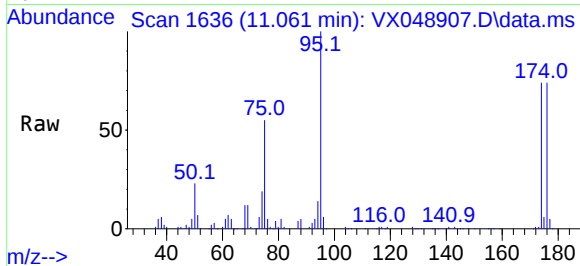




#76  
1,2,3-Trichloropropane  
Concen: 36.824 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.159 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-121125DL

Tgt Ion: 75 Resp: 48011  
Ion Ratio Lower Upper  
75 100  
77 1.3 24.3 73.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.525 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.061 min  
Lab File: VX048907.D  
Acq: 16 Dec 2025 22:39

Tgt Ion: 75 Resp: 48011  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.9 119.9#  
89 0.0 67.1 100.7#

