

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091925\  
 Data File : VX047670.D  
 Acq On : 19 Sep 2025 13:11  
 Operator : JC/MD  
 Sample : Q3095-26RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 20 00:30:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

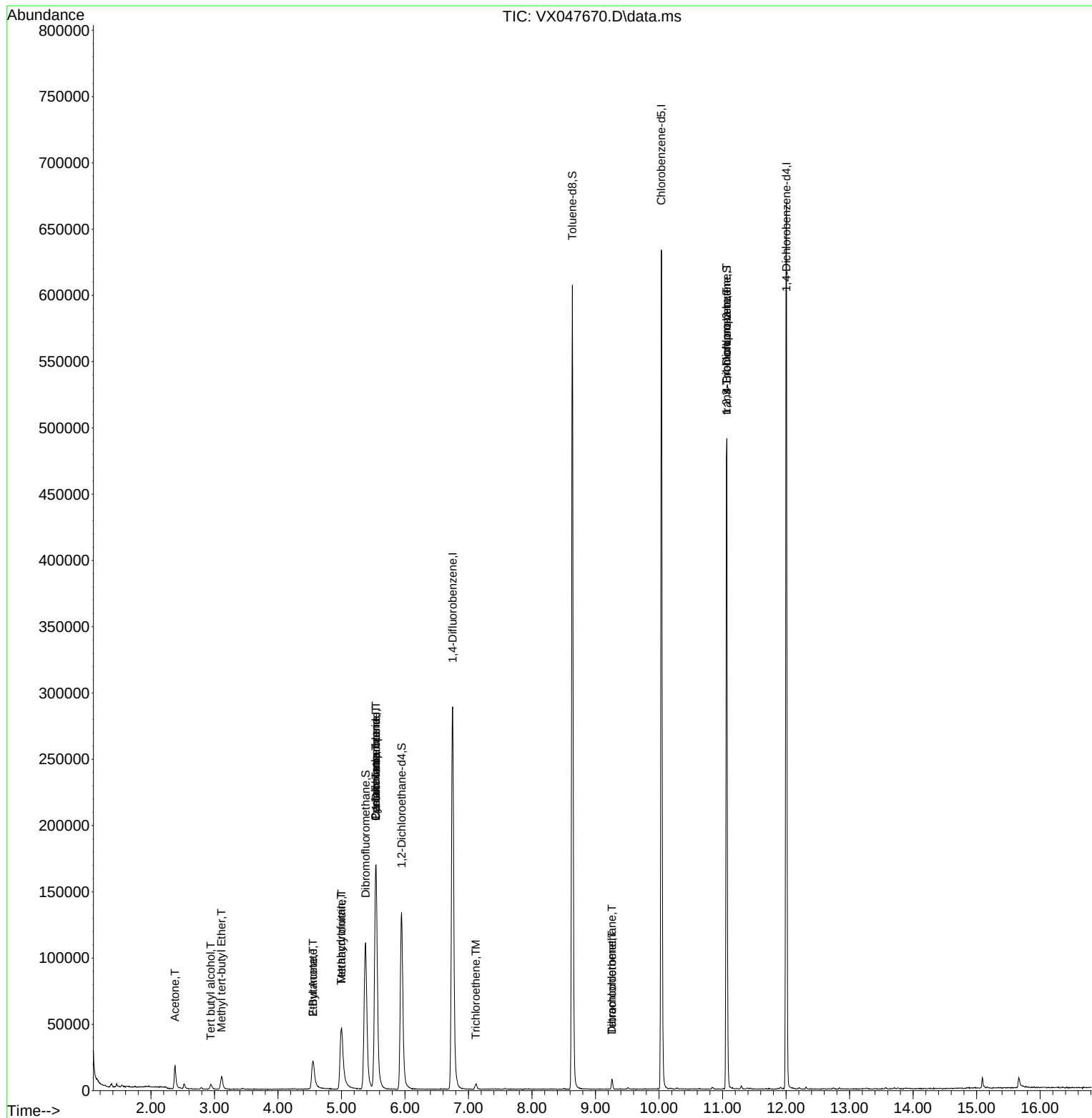
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.537  | 168   | 173509   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751  | 114   | 318100   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 291215   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 140190   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 143242   | 51.865   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 103.720% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 107565   | 50.421   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.840% |          |
| 50) Toluene-d8                | 8.634  | 98    | 365698   | 49.540   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 99.080%  |          |
| 62) 4-Bromofluorobenzene      | 11.067 | 95    | 139811   | 49.905   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 99.820%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.940  | 59    | 3798     | 12.347   | ug/l #     | 91       |
| 16) Acetone                   | 2.380  | 43    | 22900    | 19.070   | ug/l       | 98       |
| 19) Methyl tert-butyl Ether   | 3.111  | 73    | 11612    | 1.543    | ug/l       | 98       |
| 25) 2-Butanone                | 4.550  | 43    | 38983    | 26.025   | ug/l       | 96       |
| 29) Tetrahydrofuran           | 4.995  | 42    | 54797    | 60.811   | ug/l       | 97       |
| 31) Cyclohexane               | 5.537  | 56    | 3916     | 1.073    | ug/l #     | 15       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 14809    | 4.751    | ug/l #     | 50       |
| 37) Ethyl Acetate             | 4.550  | 43    | 38983    | 11.679   | ug/l #     | 71       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 18508    | 5.464    | ug/l #     | 18       |
| 41) Methacrylonitrile         | 5.001  | 41    | 31461    | 18.258   | ug/l #     | 44       |
| 44) Trichloroethene           | 7.116  | 130   | 1690     | 0.738    | ug/l       | 94       |
| 60) Dibromochloromethane      | 9.256  | 129   | 1272     | 0.491    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.256  | 164   | 1236     | 0.651    | ug/l       | 90       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 73940    | 26.050   | ug/l #     | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 73940    | 66.431   | ug/l #     | 8        |
| -----                         |        |       |          |          |            |          |

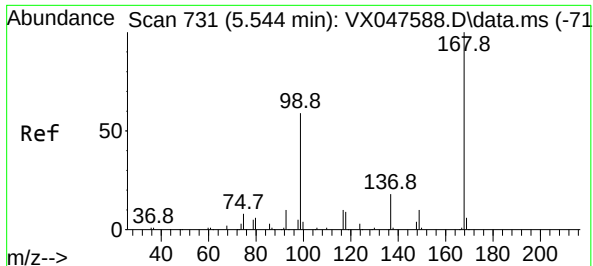
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091925\  
Data File : VX047670.D  
Acq On : 19 Sep 2025 13:11  
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Sample : Q3095-26RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

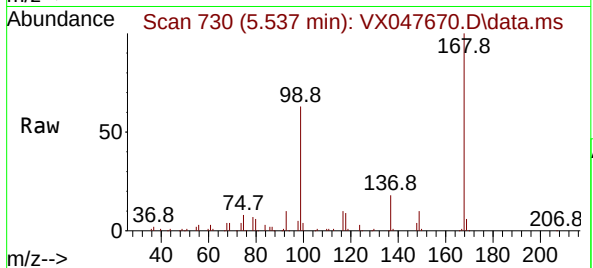
Quant Time: Sep 20 00:30:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration



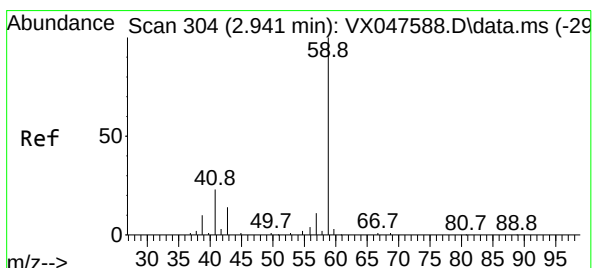
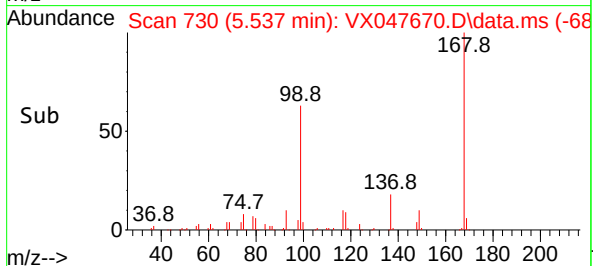
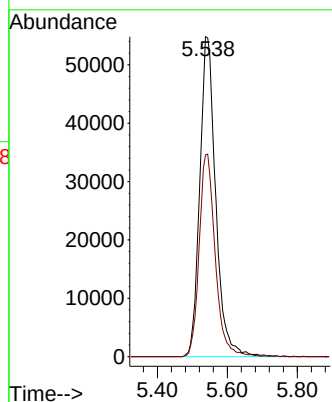


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :

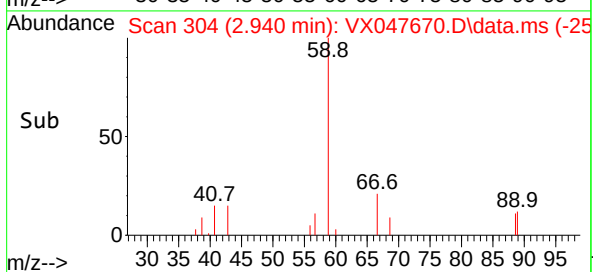
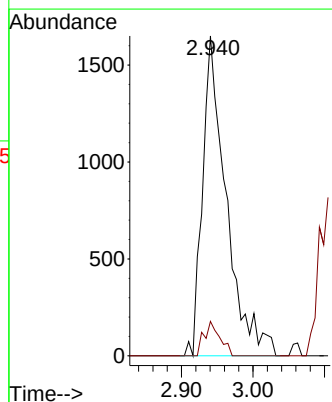
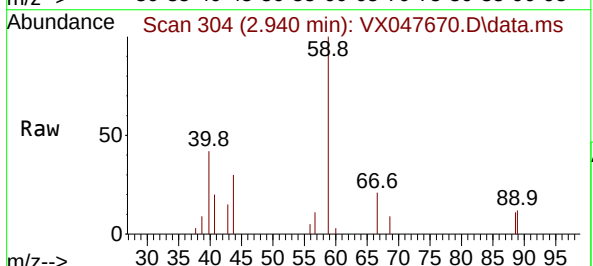


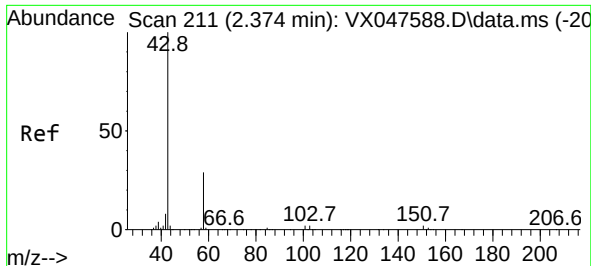
Tgt Ion:168 Resp: 173509  
Ion Ratio Lower Upper  
168 100  
99 63.1 48.8 73.2



#11  
Tert butyl alcohol  
Concen: 12.347 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.000 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

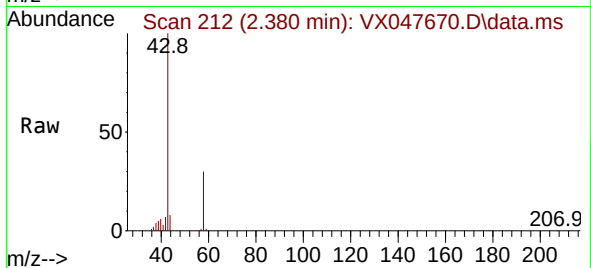
Tgt Ion: 59 Resp: 3798  
Ion Ratio Lower Upper  
59 100  
57 7.2 8.3 12.5#



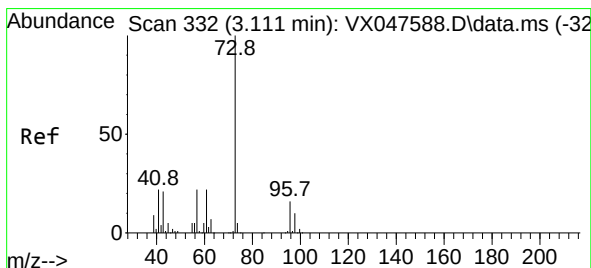
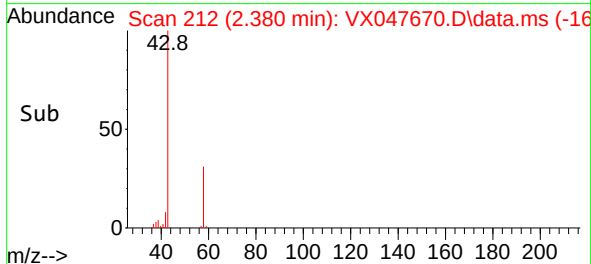
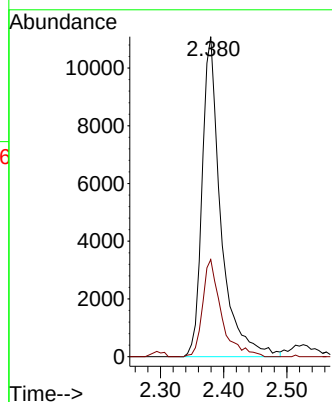


#16  
Acetone  
Concen: 19.070 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :

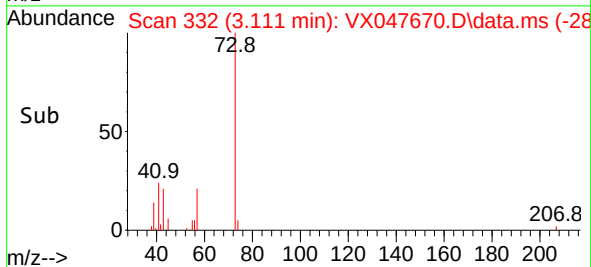
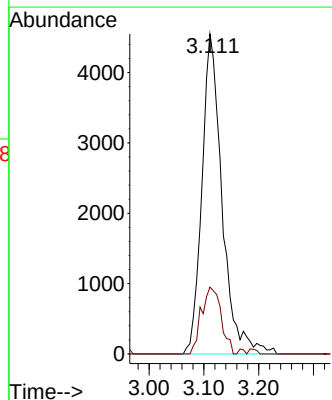
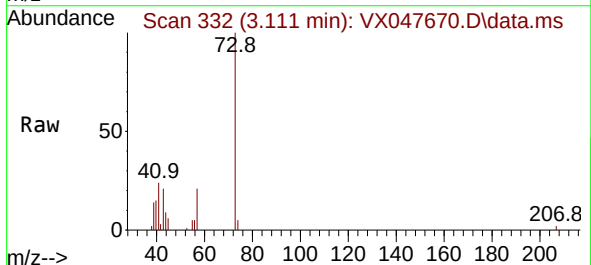


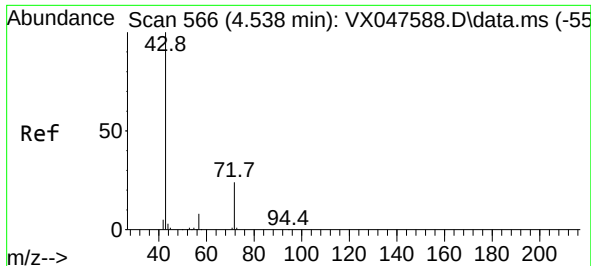
Tgt Ion: 43 Resp: 22900  
Ion Ratio Lower Upper  
43 100  
58 28.0 23.4 35.0



#19  
Methyl tert-butyl Ether  
Concen: 1.543 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.000 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Tgt Ion: 73 Resp: 11612  
Ion Ratio Lower Upper  
73 100  
57 20.9 17.4 26.2

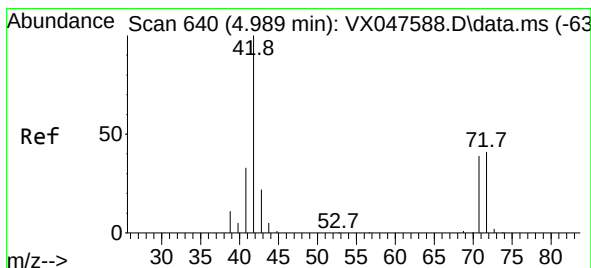
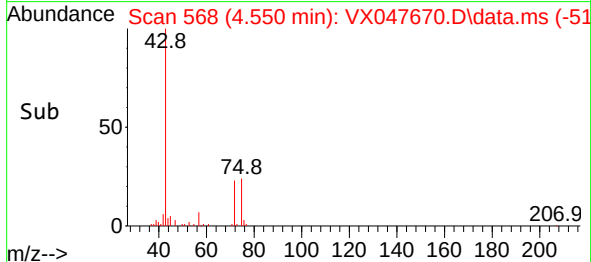
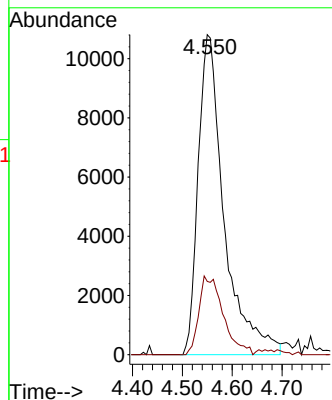
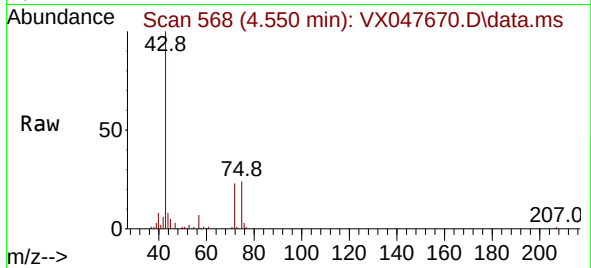




#25  
2-Butanone  
Concen: 26.025 ug/l  
RT: 4.550 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

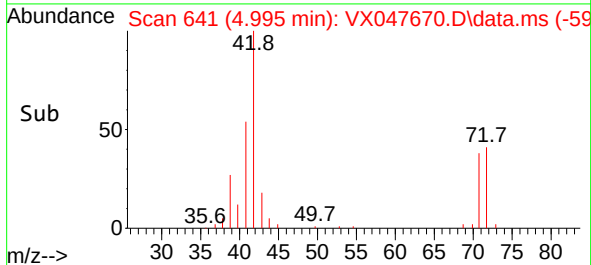
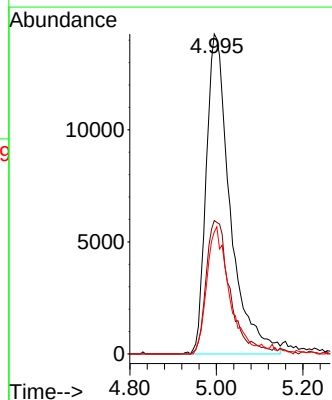
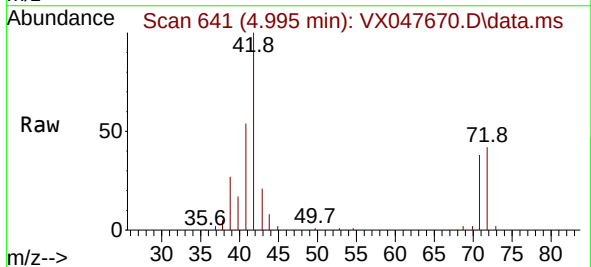
Instrument :  
MSVOA\_X  
ClientSampleId :

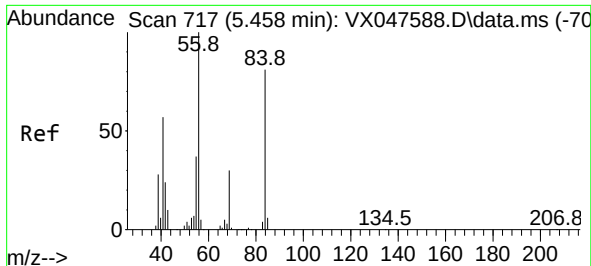
Tgt Ion: 43 Resp: 38983  
Ion Ratio Lower Upper  
43 100  
72 22.9 20.1 30.1



#29  
Tetrahydrofuran  
Concen: 60.811 ug/l  
RT: 4.995 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

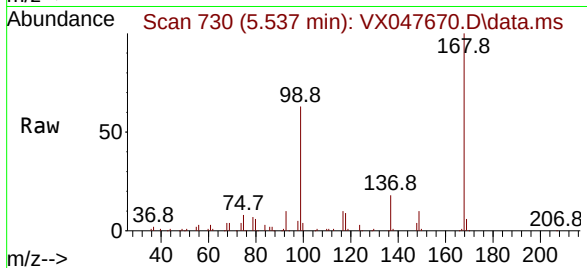
Tgt Ion: 42 Resp: 54797  
Ion Ratio Lower Upper  
42 100  
72 41.5 34.2 51.2  
71 38.0 31.9 47.9



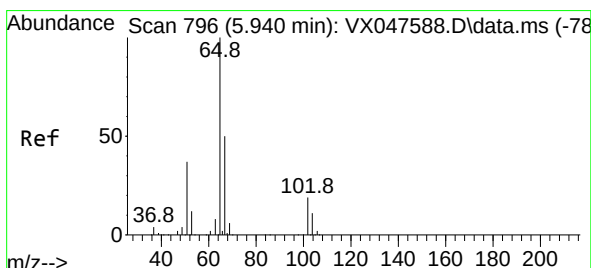
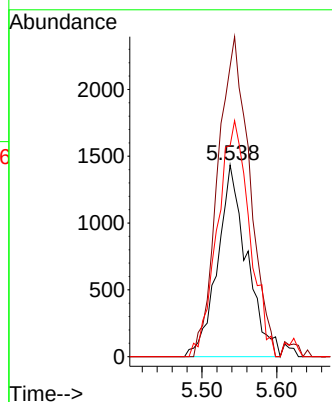
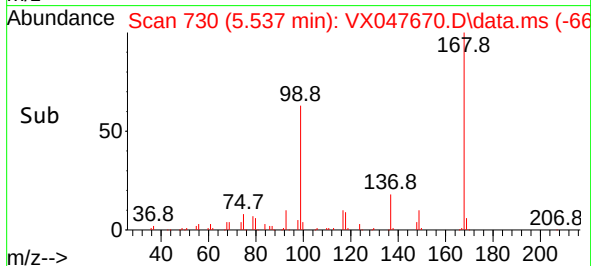


#31  
Cyclohexane  
Concen: 1.073 ug/l  
RT: 5.537 min Scan# 717  
Delta R.T. 0.079 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :

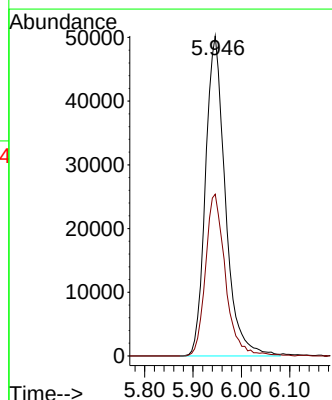
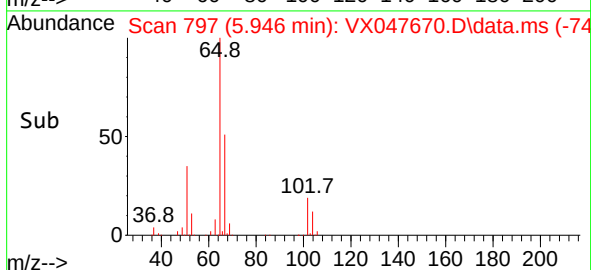
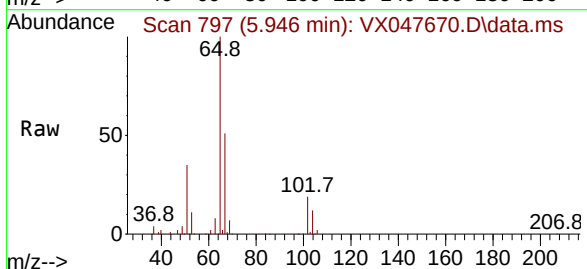


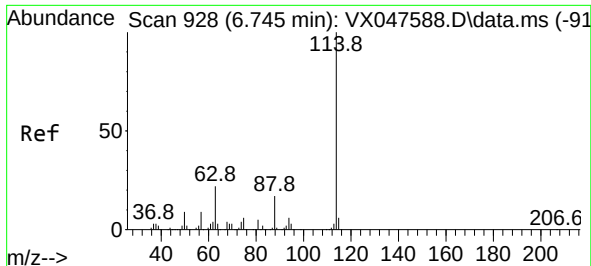
Tgt Ion: 56 Resp: 3916  
Ion Ratio Lower Upper  
56 100  
69 151.5 23.8 35.8#  
84 110.0 64.6 97.0#



#33  
1,2-Dichloroethane-d4  
Concen: 51.865 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. 0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

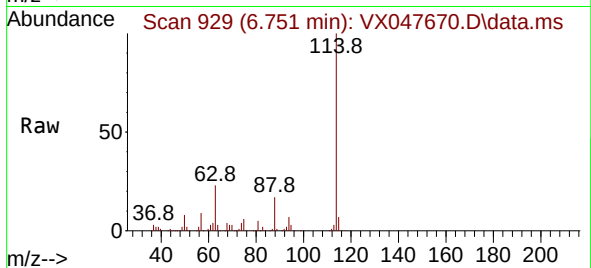
Tgt Ion: 65 Resp: 143242  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 103.0



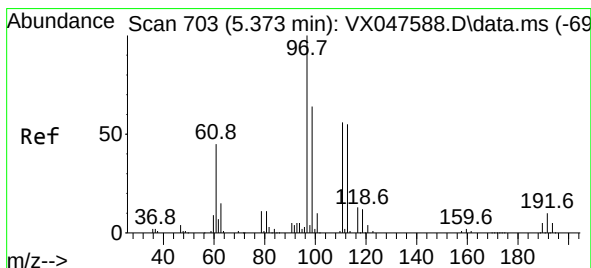
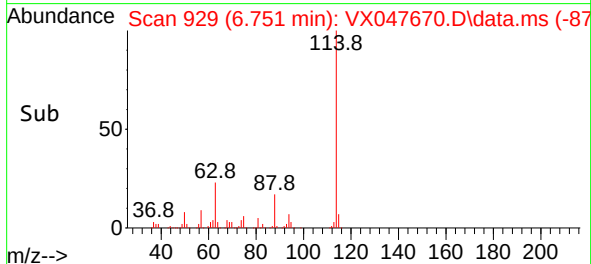
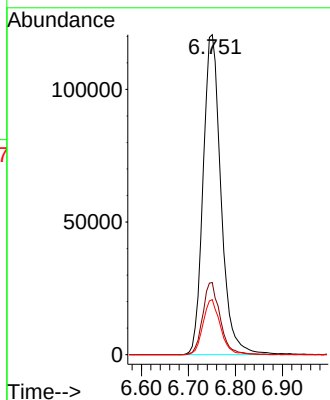


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :

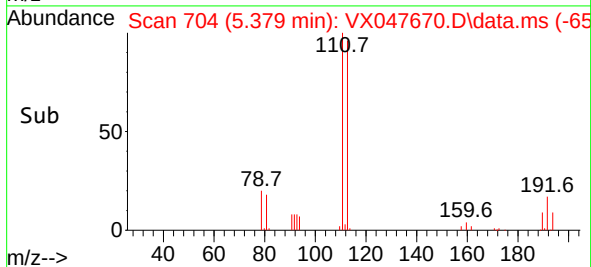
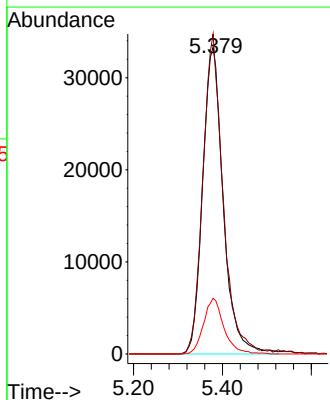
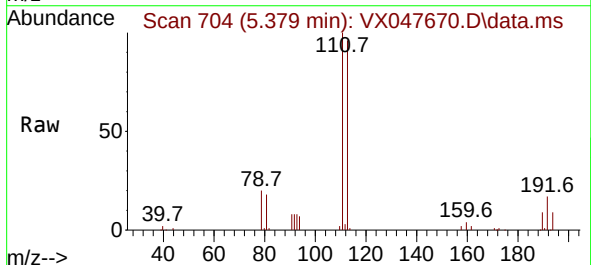


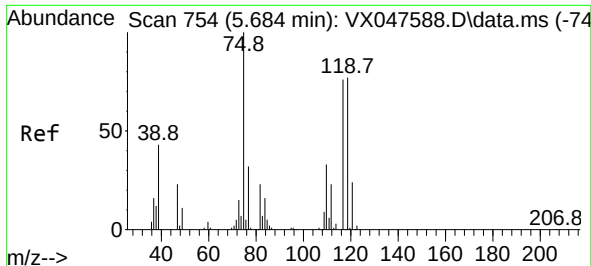
Tgt Ion:114 Resp: 318100  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 44.0  
88 17.2 0.0 34.2



#35  
Dibromofluoromethane  
Concen: 50.421 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

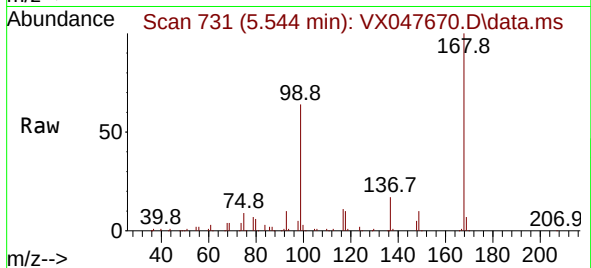
Tgt Ion:113 Resp: 107565  
Ion Ratio Lower Upper  
113 100  
111 101.8 80.9 121.3  
192 17.9 14.2 21.4



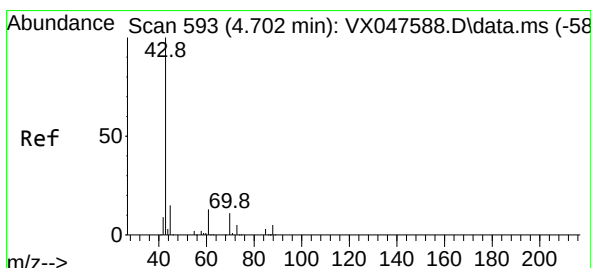
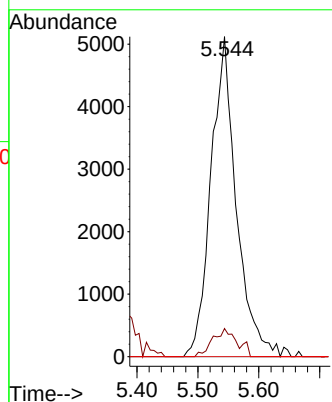
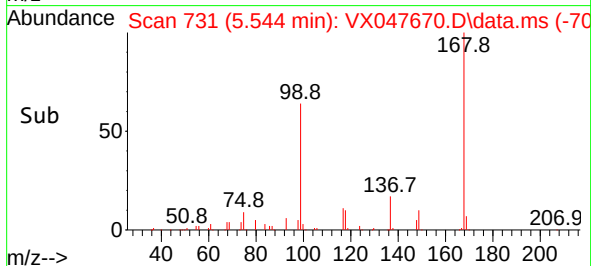


#36  
1,1-Dichloropropene  
Concen: 4.751 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :

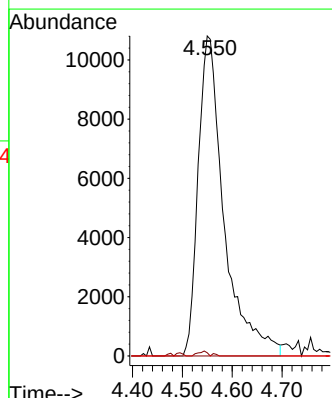
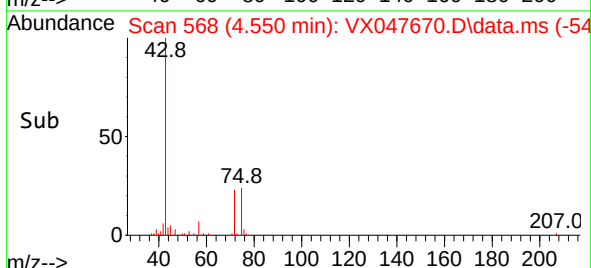
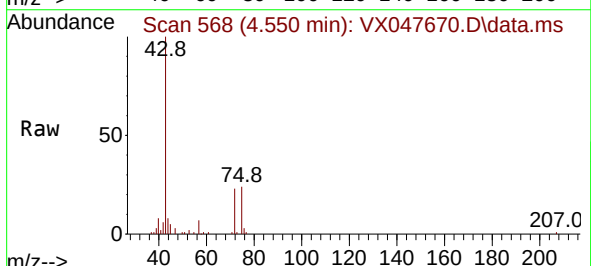


Tgt Ion: 75 Resp: 14809  
Ion Ratio Lower Upper  
75 100  
110 8.4 16.7 50.1#  
77 0.0 24.3 36.5#

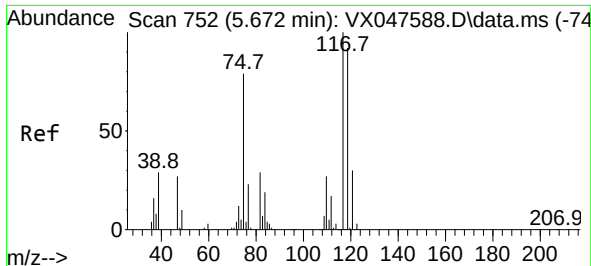


#37  
Ethyl Acetate  
Concen: 11.679 ug/l  
RT: 4.550 min Scan# 568  
Delta R.T. -0.153 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Tgt Ion: 43 Resp: 38983  
Ion Ratio Lower Upper  
43 100  
61 0.5 9.8 14.8#  
70 0.0 7.9 11.9#

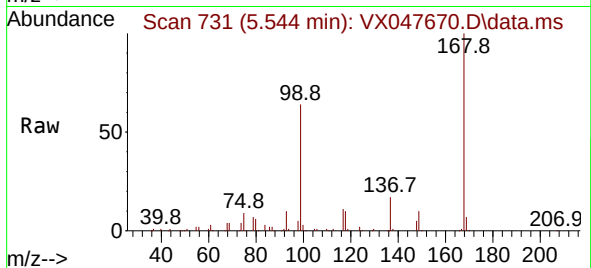




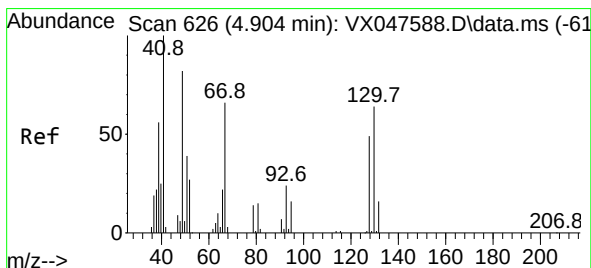
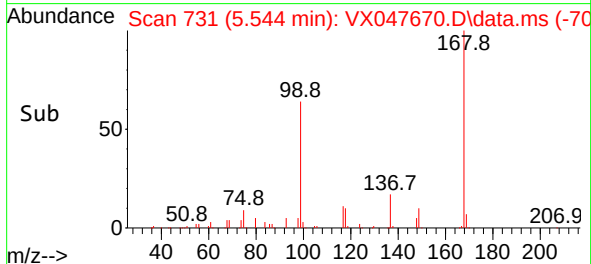
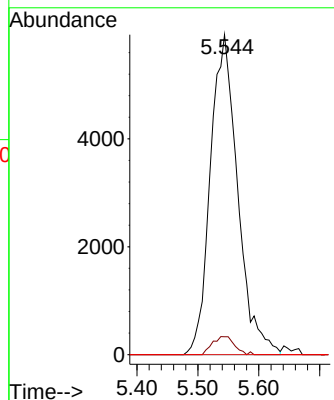


#38  
Carbon Tetrachloride  
Concen: 5.464 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :

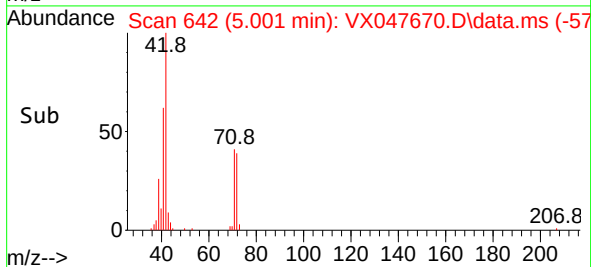
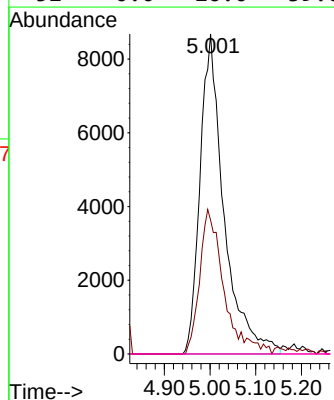
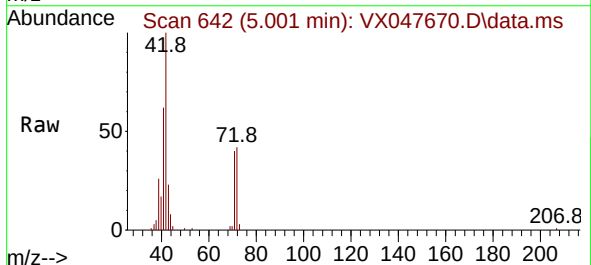


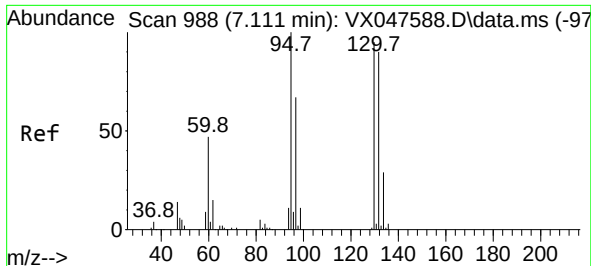
Tgt Ion:117 Resp: 18508  
Ion Ratio Lower Upper  
117 100  
119 5.6 73.4 110.2#  
121 0.0 23.8 35.6#



#41  
Methacrylonitrile  
Concen: 18.258 ug/l  
RT: 5.001 min Scan# 642  
Delta R.T. 0.097 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

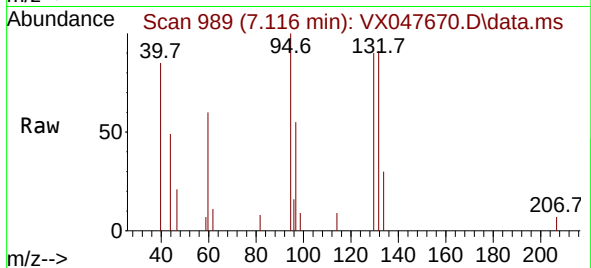
Tgt Ion: 41 Resp: 31461  
Ion Ratio Lower Upper  
41 100  
39 44.8 43.3 64.9  
67 0.0 58.6 87.8#  
52 0.0 26.0 39.0#



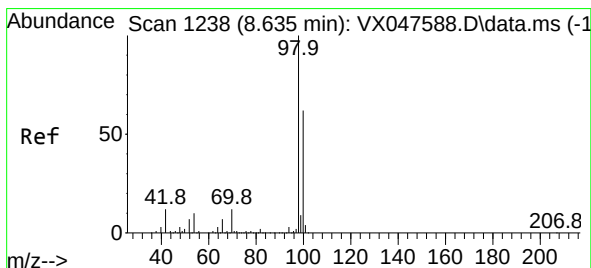
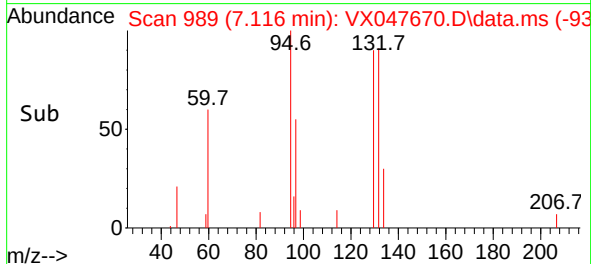
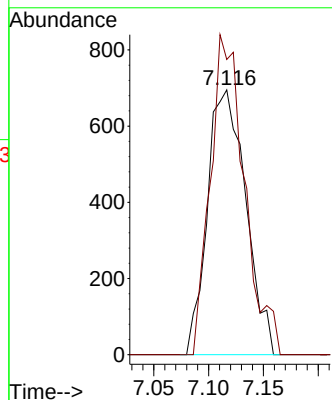


#44  
Trichloroethene  
Concen: 0.738 ug/l  
RT: 7.116 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :

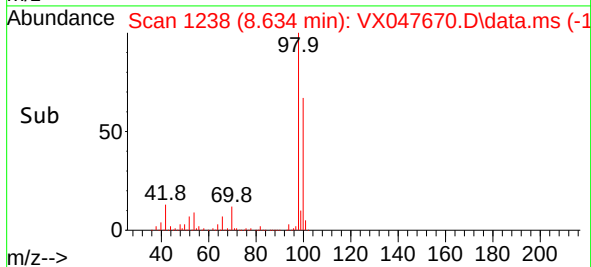
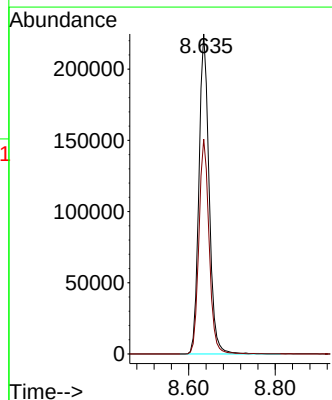
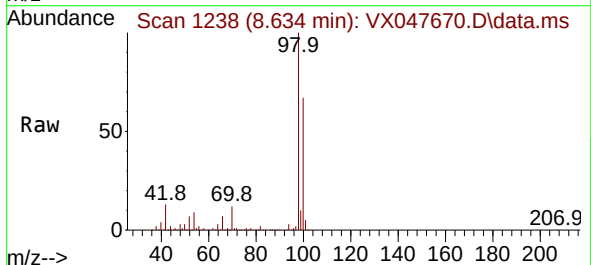


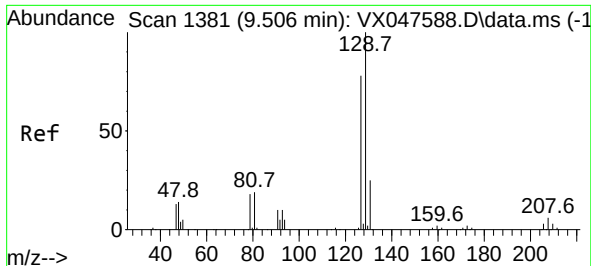
Tgt Ion:130 Resp: 1690  
Ion Ratio Lower Upper  
130 100  
95 111.5 0.0 210.8



#50  
Toluene-d8  
Concen: 49.540 ug/l  
RT: 8.634 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Tgt Ion: 98 Resp: 365698  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.0 79.4

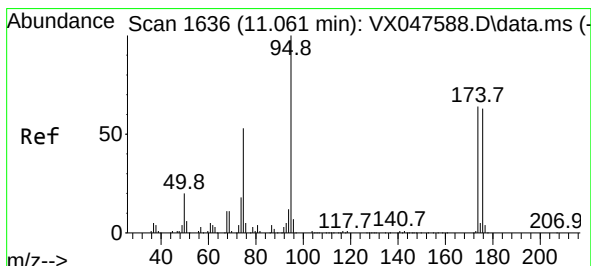
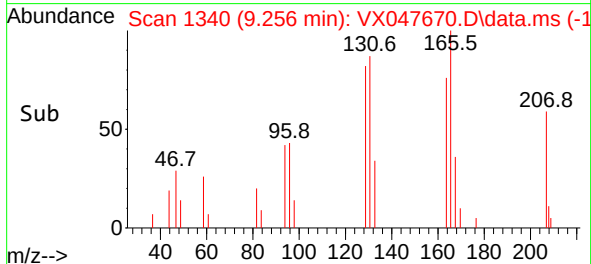
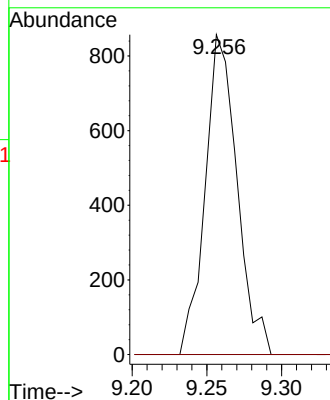
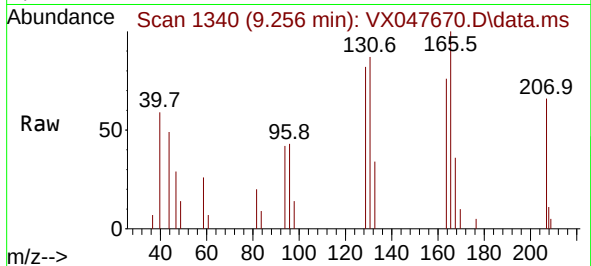




#60  
Dibromochloromethane  
Concen: 0.491 ug/l  
RT: 9.256 min Scan# 11  
Delta R.T. -0.250 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

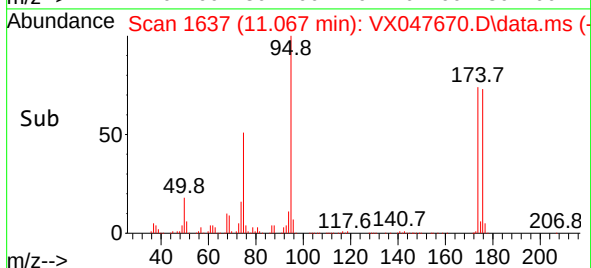
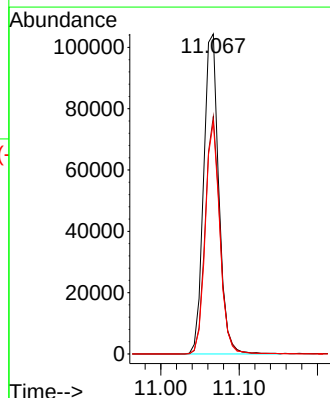
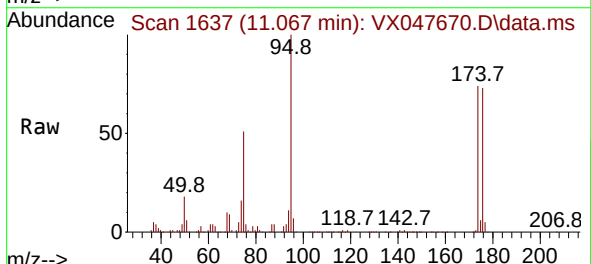
Instrument :  
MSVOA\_X  
ClientSampleId :

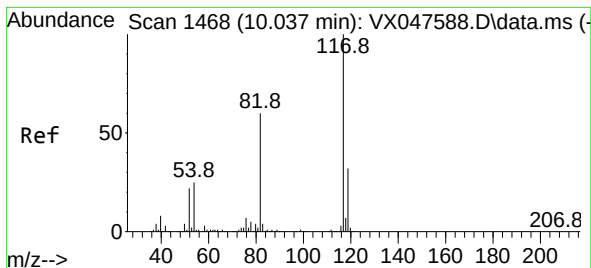
Tgt Ion:129 Resp: 1272  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 49.905 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.006 min  
Lab File: VX047670.D  
Acq: 19 Sep 2025 13:11

Tgt Ion: 95 Resp: 139811  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 141.6  
176 69.5 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

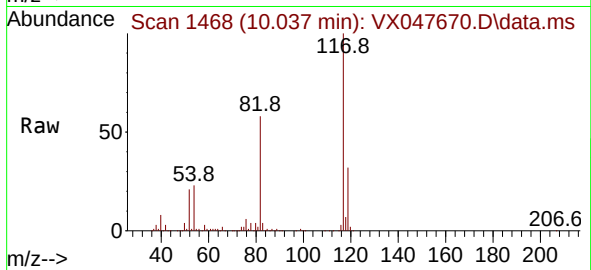
Lab File: VX047670.D

Acq: 19 Sep 2025 13:11

Instrument :

MSVOA\_X

ClientSampleId :



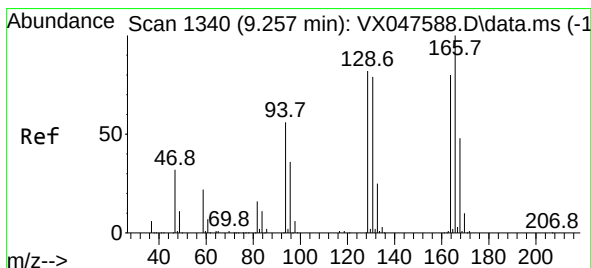
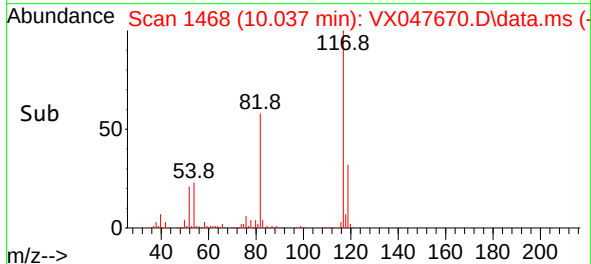
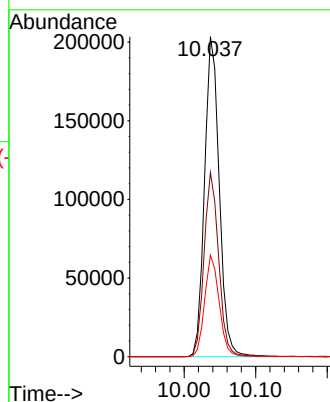
Tgt Ion:117 Resp: 291215

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.6

119 31.8 25.2 37.8



#64

Tetrachloroethene

Concen: 0.651 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX047670.D

Acq: 19 Sep 2025 13:11

Tgt Ion:164 Resp: 1236

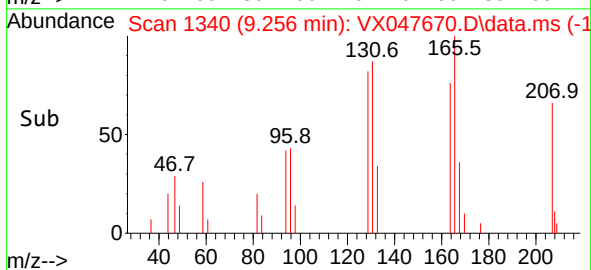
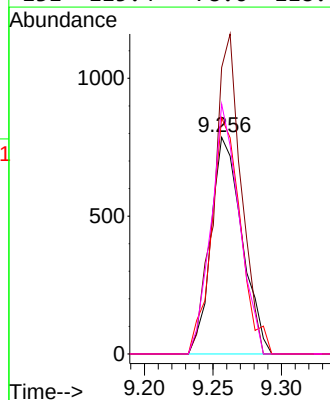
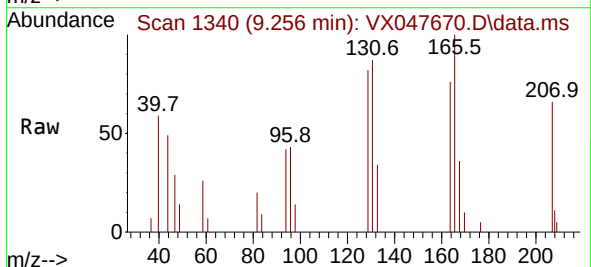
Ion Ratio Lower Upper

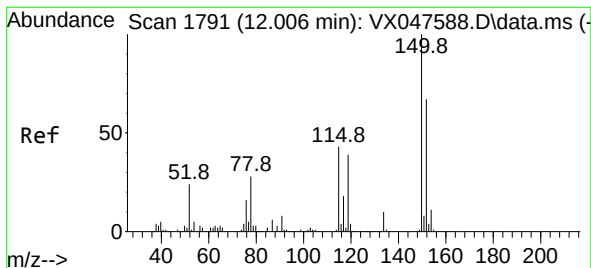
164 100

166 132.2 100.2 150.2

129 109.0 81.8 122.6

131 115.4 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047670.D

Acq: 19 Sep 2025 13:11

Instrument :

MSVOA\_X

ClientSampleId :

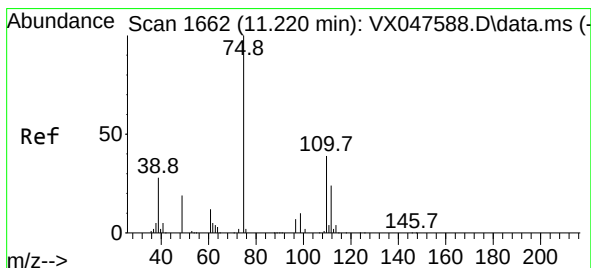
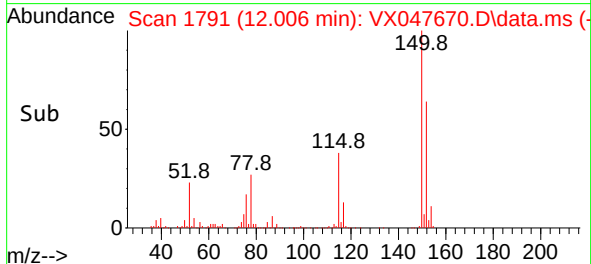
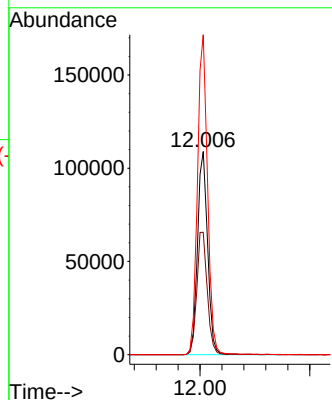
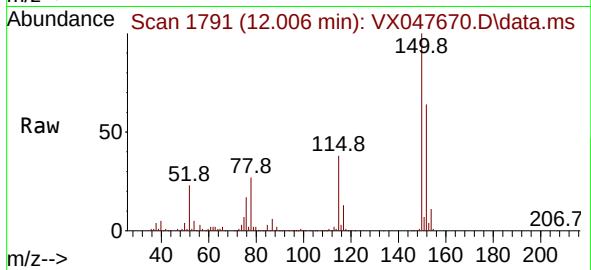
Tgt Ion:152 Resp: 140190

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

150 156.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 26.050 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047670.D

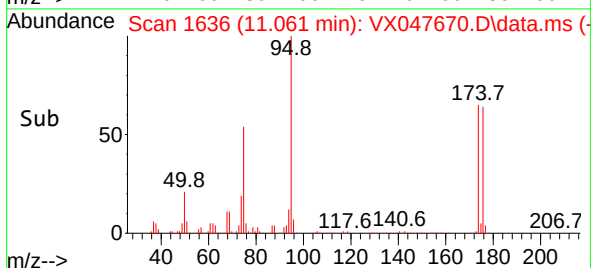
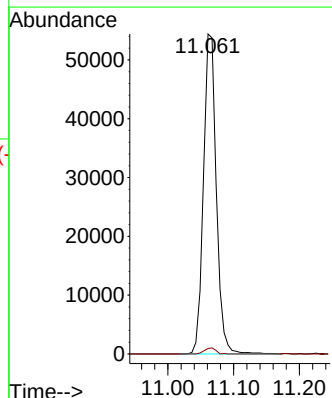
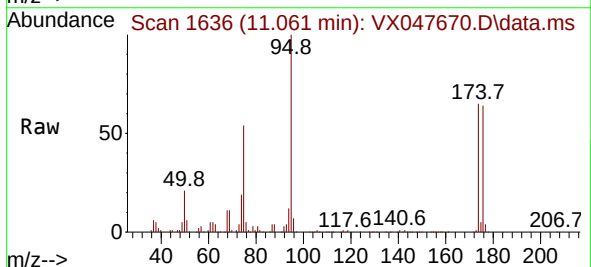
Acq: 19 Sep 2025 13:11

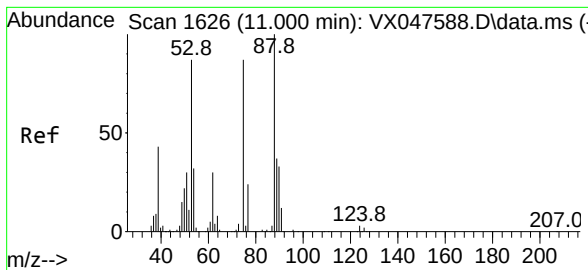
Tgt Ion: 75 Resp: 73940

Ion Ratio Lower Upper

75 100

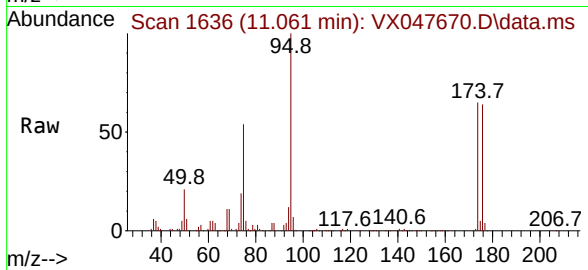
77 1.7 18.8 56.4#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.431 ug/l  
 RT: 11.061 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX047670.D  
 Acq: 19 Sep 2025 13:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 73940  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.4 125.2#  
 89 0.0 36.3 54.5#

