

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091725\  
 Data File : VX047625.D  
 Acq On : 17 Sep 2025 17:37  
 Operator : JC/MD  
 Sample : Q3095-22  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW202D1-20250910

Quant Time: Sep 22 03:11:13 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

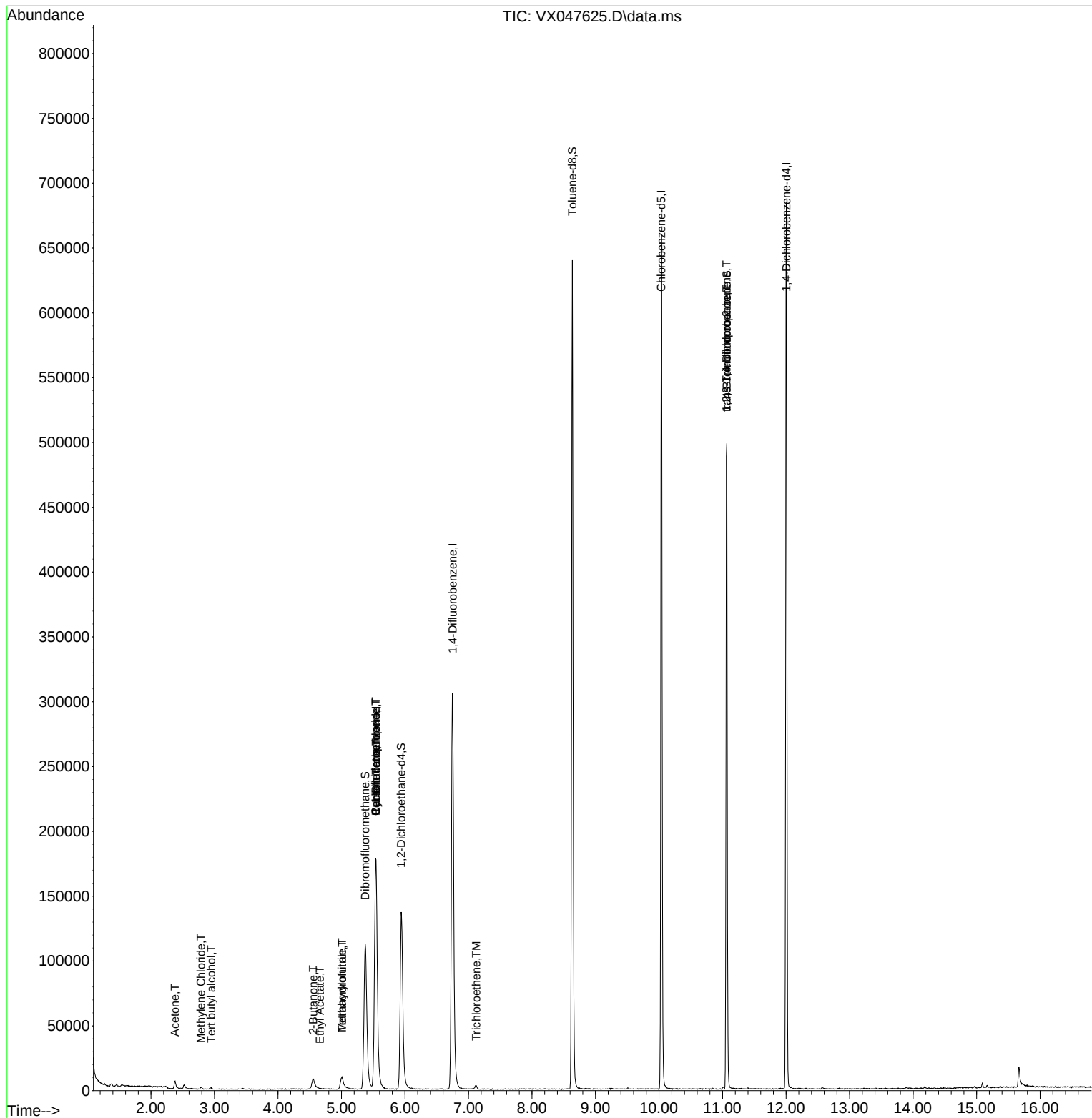
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 179253   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751  | 114   | 332184   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 296569   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 143137   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.940  | 65    | 148841   | 52.165   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 104.340% |          |
| 35) Dibromofluoromethane      | 5.373  | 113   | 109582   | 49.188   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 98.380%  |          |
| 50) Toluene-d8                | 8.635  | 98    | 379923   | 49.285   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 98.580%  |          |
| 62) 4-Bromofluorobenzene      | 11.067 | 95    | 147118   | 50.287   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.580% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.947  | 59    | 308      | 0.969    | ug/l #     | 72       |
| 16) Acetone                   | 2.380  | 43    | 8015     | 6.461    | ug/l #     | 70       |
| 20) Methylene Chloride        | 2.788  | 84    | 671      | 0.256    | ug/l #     | 78       |
| 25) 2-Butanone                | 4.556  | 43    | 12142    | 7.846    | ug/l #     | 90       |
| 29) Tetrahydrofuran           | 5.007  | 42    | 11097    | 11.920   | ug/l       | 96       |
| 31) Cyclohexane               | 5.544  | 56    | 3856     | 1.023    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 15881    | 4.878    | ug/l #     | 51       |
| 37) Ethyl Acetate             | 4.660  | 43    | 919      | 0.264    | ug/l #     | 71       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 19371    | 5.477    | ug/l #     | 18       |
| 41) Methacrylonitrile         | 5.007  | 41    | 6121     | 3.402    | ug/l #     | 45       |
| 44) Trichloroethene           | 7.123  | 130   | 1205     | 0.504    | ug/l       | 99       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 75871    | 26.180   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 75871    | 66.762   | ug/l #     | 8        |
| -----                         |        |       |          |          |            |          |

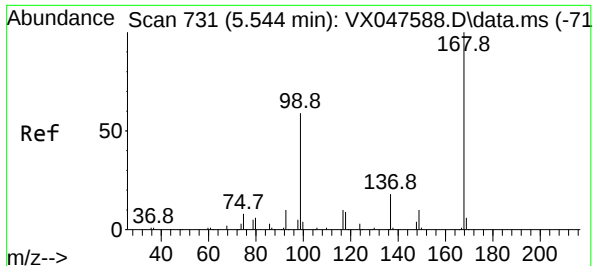
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
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Quant Time: Sep 22 03:11:13 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

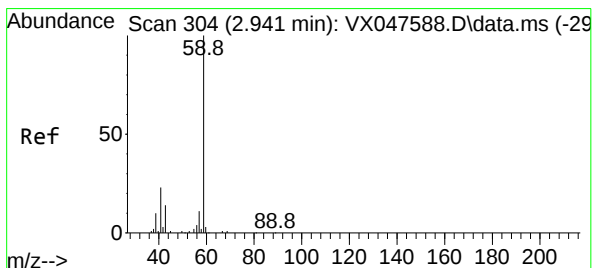
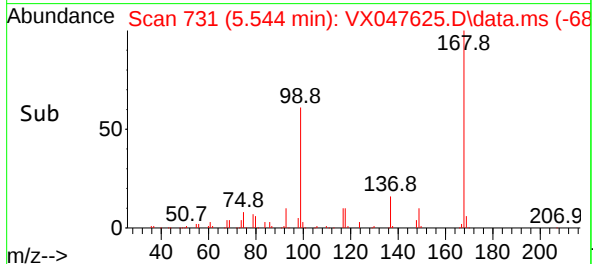
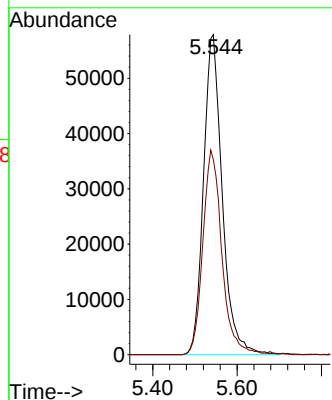
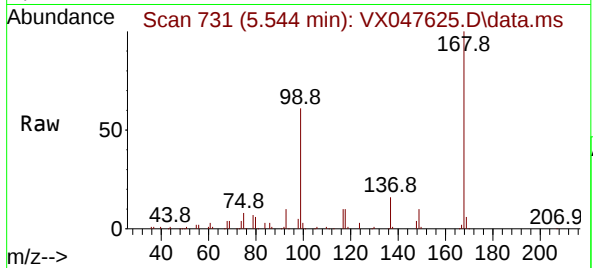




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

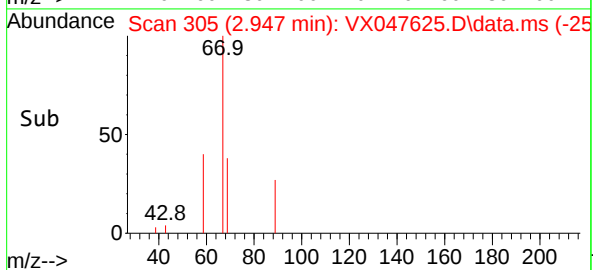
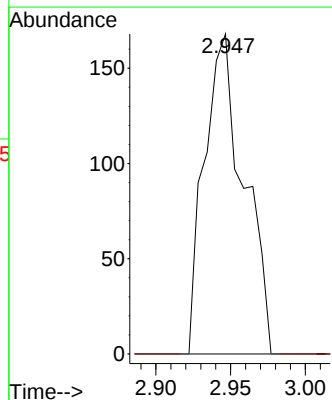
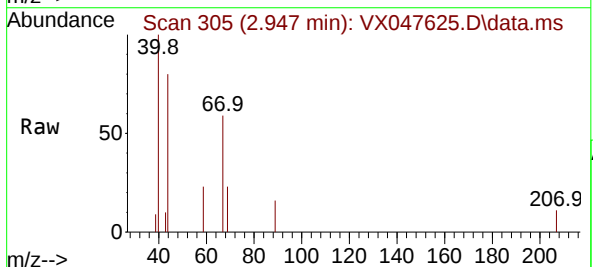
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW202D1-20250910

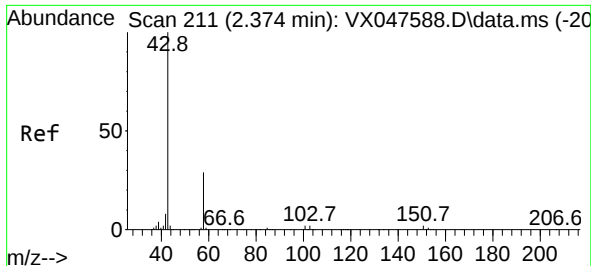
Tgt Ion:168 Resp: 179253  
Ion Ratio Lower Upper  
168 100  
99 60.9 48.8 73.2



#11  
Tert butyl alcohol  
Concen: 0.969 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. 0.006 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion: 59 Resp: 308  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

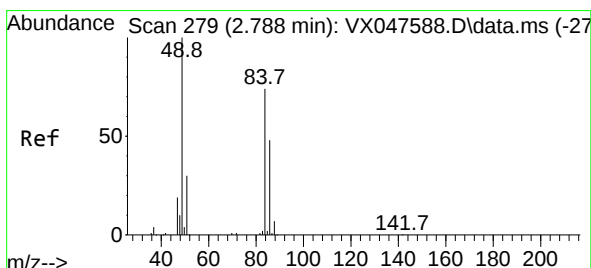
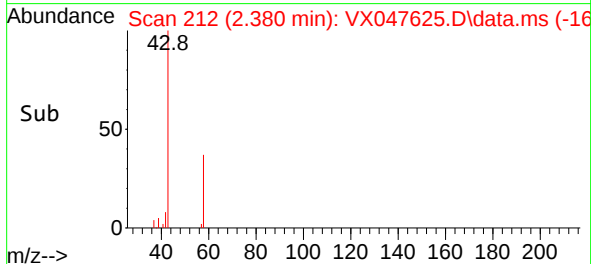
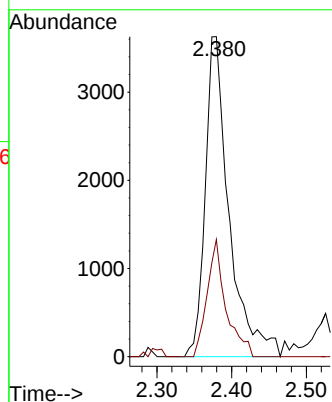
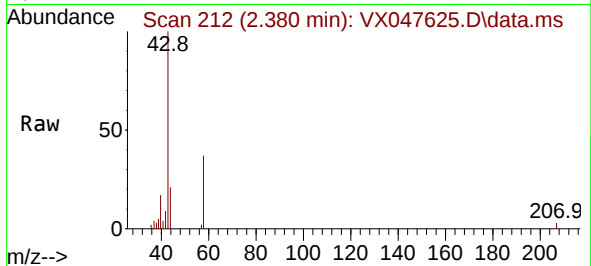




#16  
Acetone  
Concen: 6.461 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

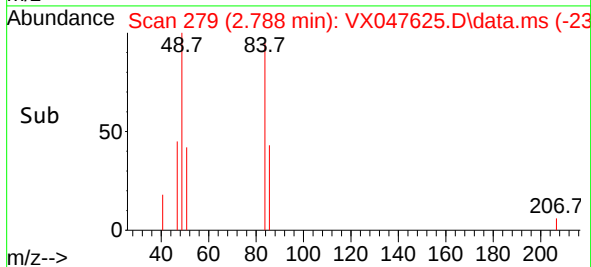
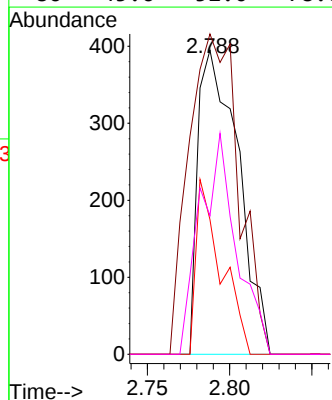
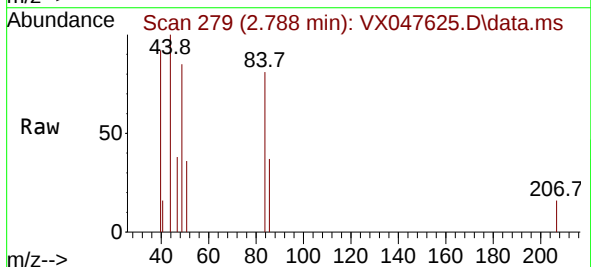
Instrument :  
MSVOA\_X  
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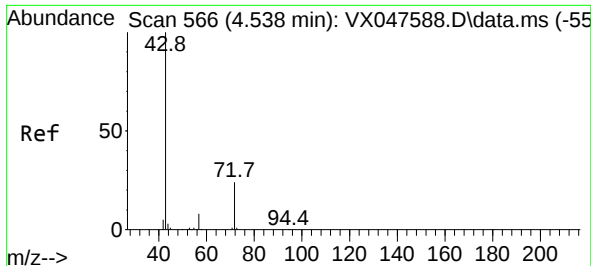
Tgt Ion: 43 Resp: 8015  
Ion Ratio Lower Upper  
43 100  
58 45.1 23.4 35.0#



#20  
Methylene Chloride  
Concen: 0.256 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion: 84 Resp: 671  
Ion Ratio Lower Upper  
84 100  
49 105.3 108.6 162.8#  
51 44.3 32.6 48.8  
86 45.6 52.0 78.0#

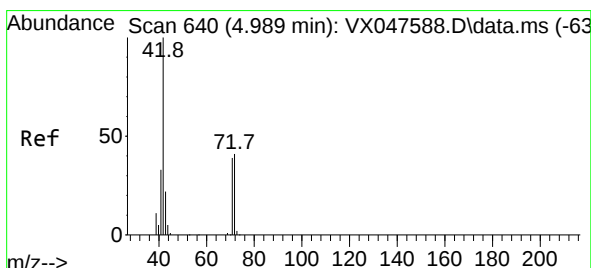
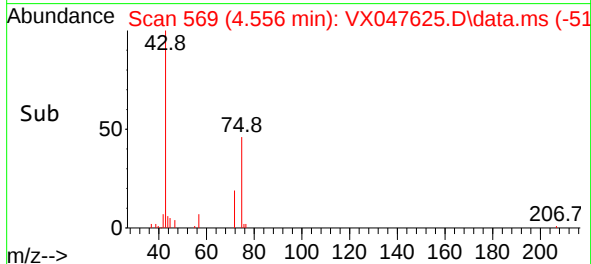
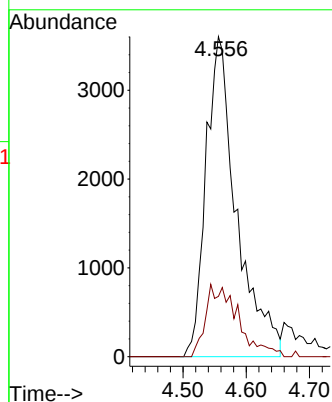
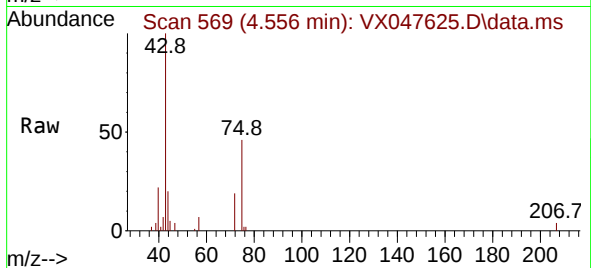




#25  
2-Butanone  
Concen: 7.846 ug/l  
RT: 4.556 min Scan# 50  
Delta R.T. 0.018 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

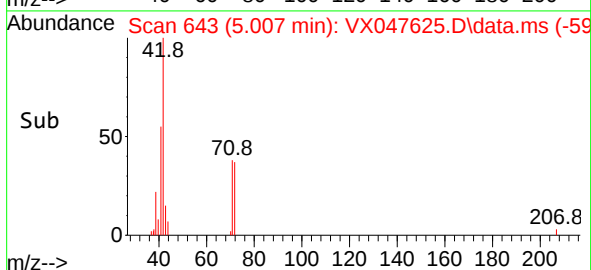
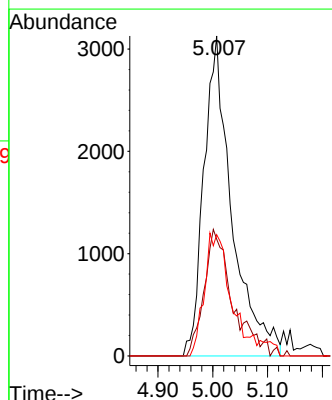
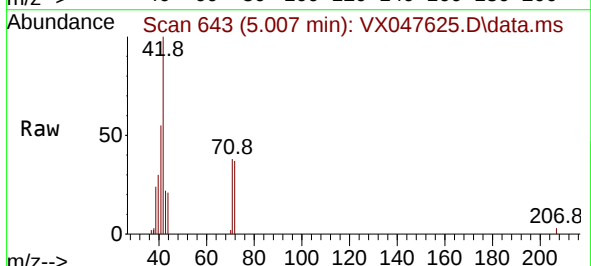
Instrument :  
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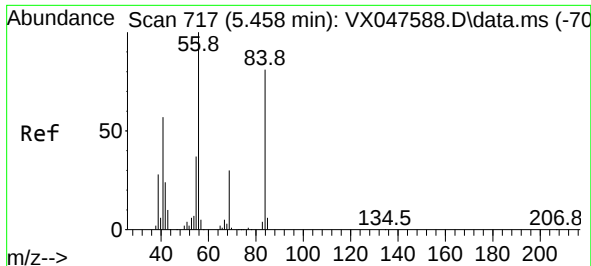
Tgt Ion: 43 Resp: 12142  
Ion Ratio Lower Upper  
43 100  
72 20.0 20.1 30.1#



#29  
Tetrahydrofuran  
Concen: 11.920 ug/l  
RT: 5.007 min Scan# 643  
Delta R.T. 0.018 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion: 42 Resp: 11097  
Ion Ratio Lower Upper  
42 100  
72 39.9 34.2 51.2  
71 37.1 31.9 47.9

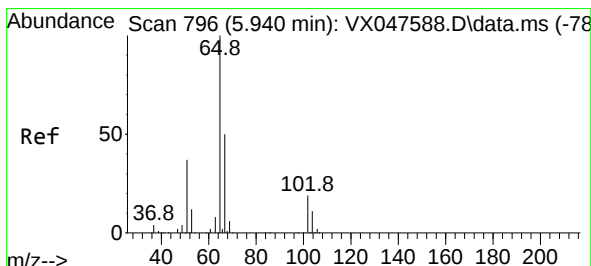
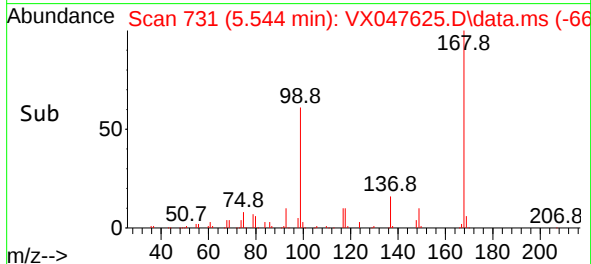
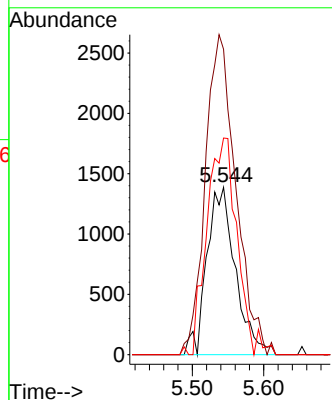
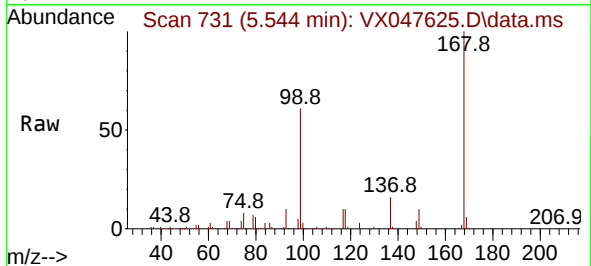




#31  
Cyclohexane  
Concen: 1.023 ug/l  
RT: 5.544 min Scan# 717  
Delta R.T. 0.085 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

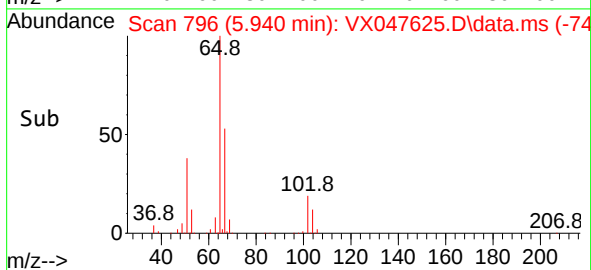
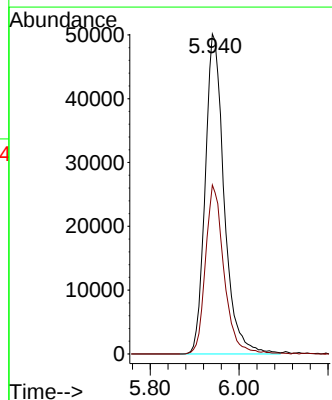
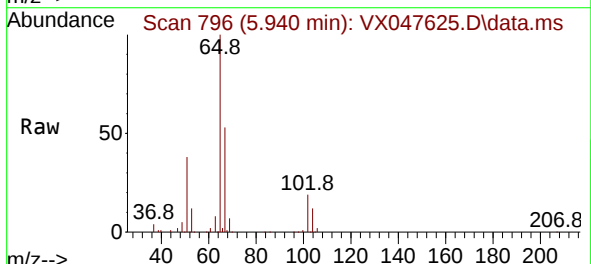
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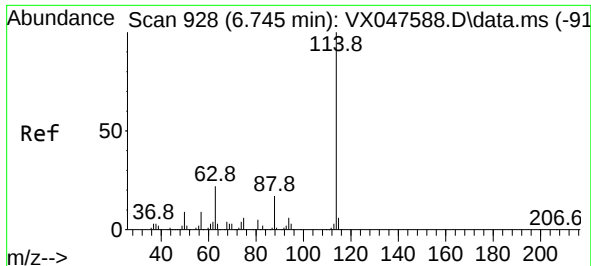
Tgt Ion: 56 Resp: 3856  
Ion Ratio Lower Upper  
56 100  
69 182.5 23.8 35.8#  
84 129.4 64.6 97.0#



#33  
1,2-Dichloroethane-d4  
Concen: 52.165 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion: 65 Resp: 148841  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 103.0

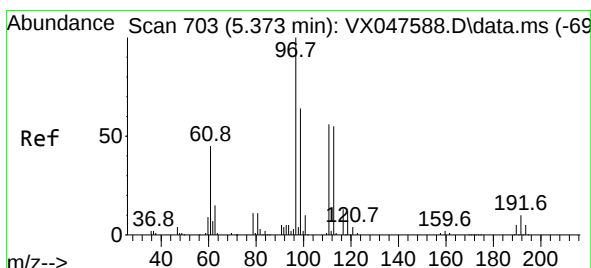
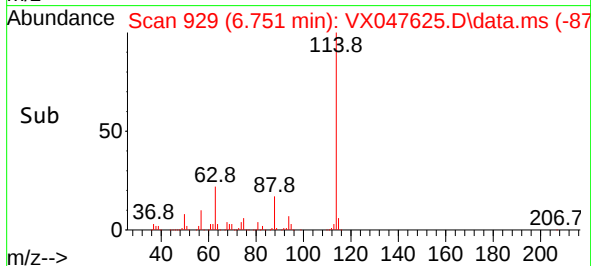
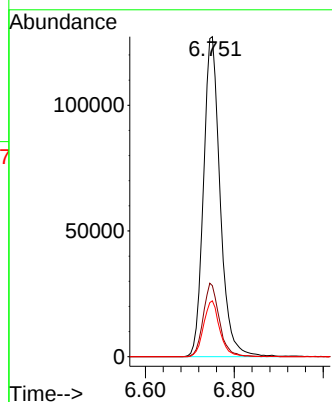
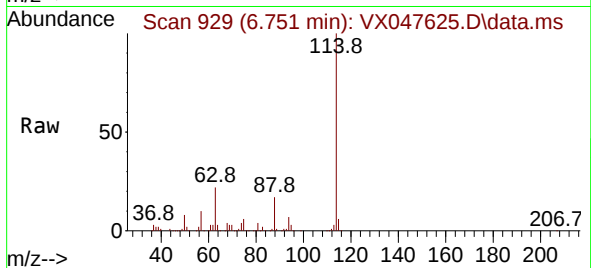




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

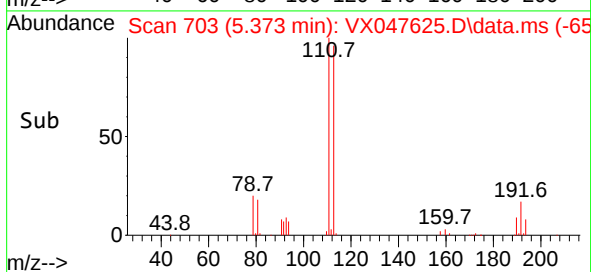
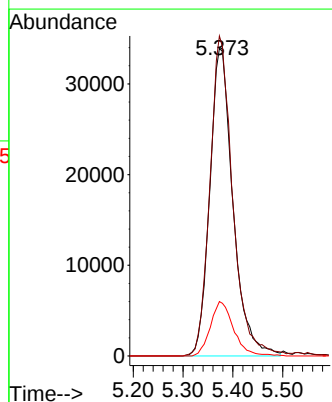
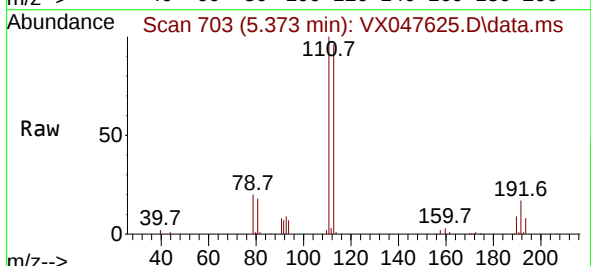
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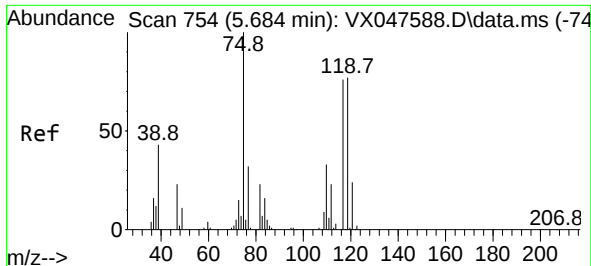
Tgt Ion:114 Resp: 332184  
Ion Ratio Lower Upper  
114 100  
63 22.2 0.0 44.0  
88 17.4 0.0 34.2



#35  
Dibromofluoromethane  
Concen: 49.188 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion:113 Resp: 109582  
Ion Ratio Lower Upper  
113 100  
111 102.3 80.9 121.3  
192 17.7 14.2 21.4

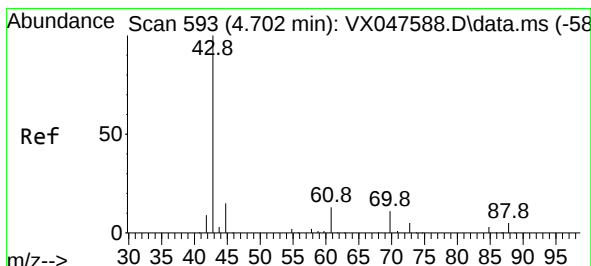
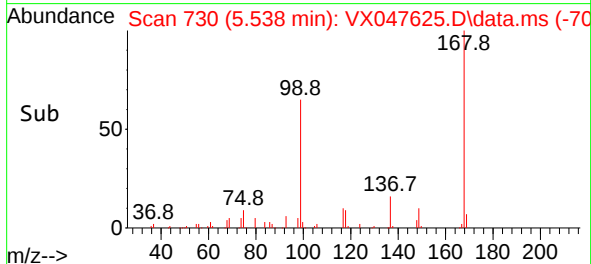
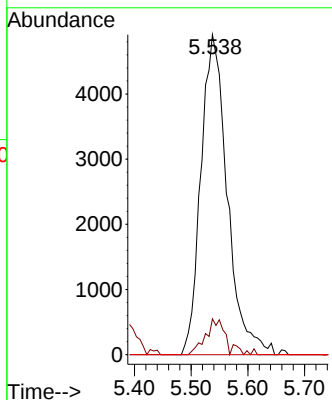
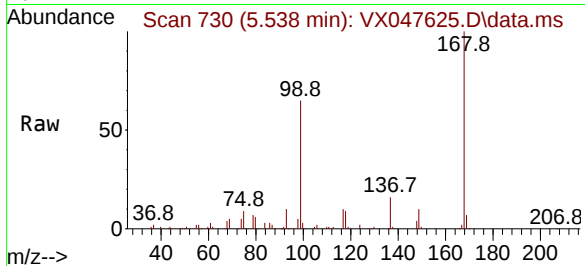




#36  
1,1-Dichloropropene  
Concen: 4.878 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

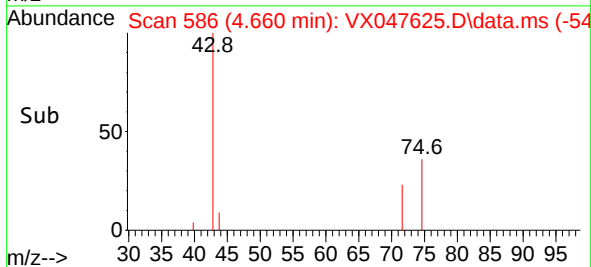
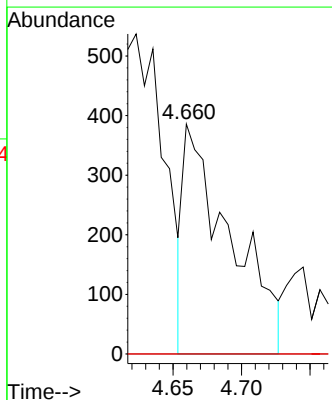
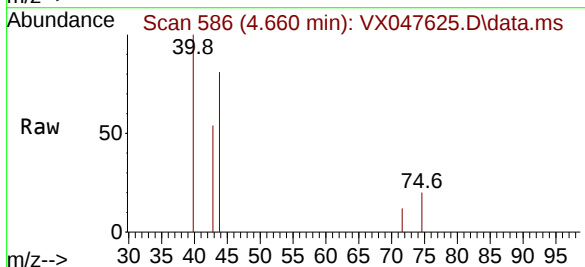
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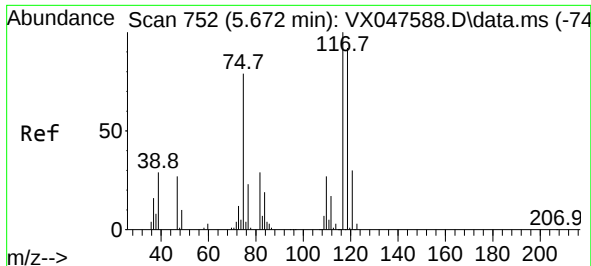
Tgt Ion: 75 Resp: 15881  
Ion Ratio Lower Upper  
75 100  
110 8.6 16.7 50.1#  
77 0.0 24.3 36.5#



#37  
Ethyl Acetate  
Concen: 0.264 ug/l  
RT: 4.660 min Scan# 586  
Delta R.T. -0.043 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

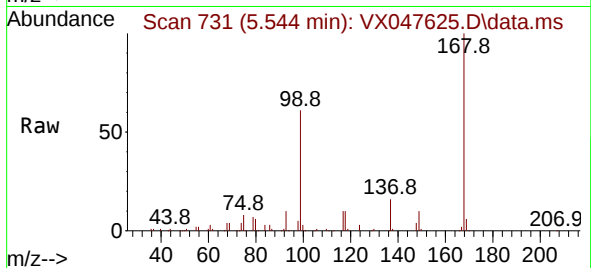
Tgt Ion: 43 Resp: 919  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.8 14.8#  
70 0.0 7.9 11.9#



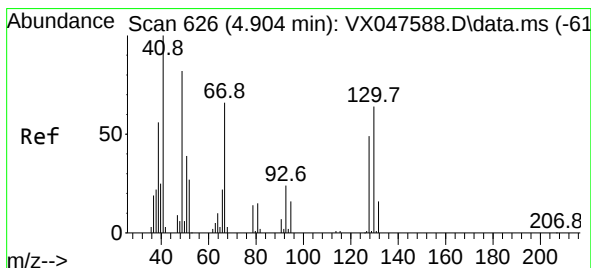
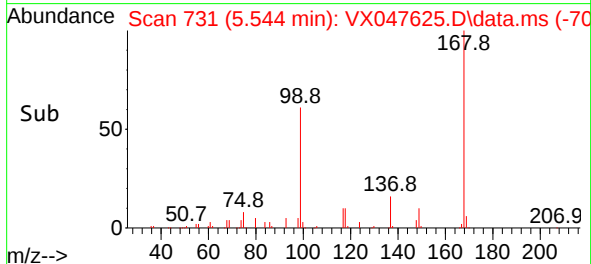
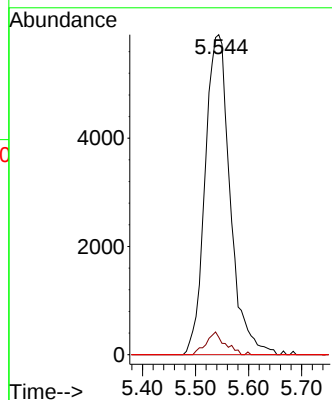


#38  
Carbon Tetrachloride  
Concen: 5.477 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
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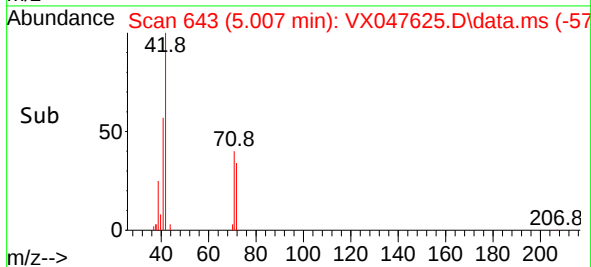
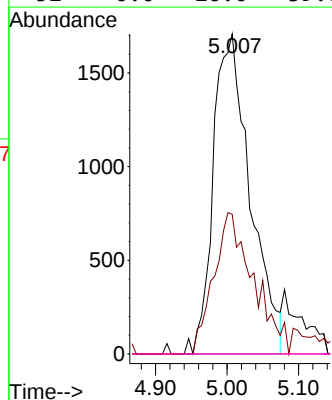
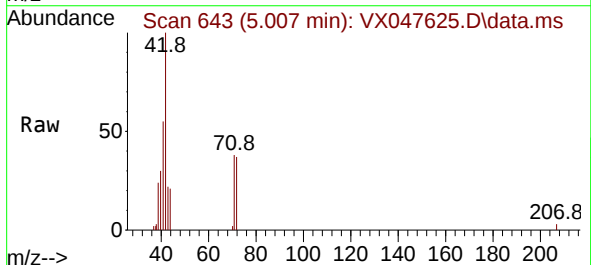


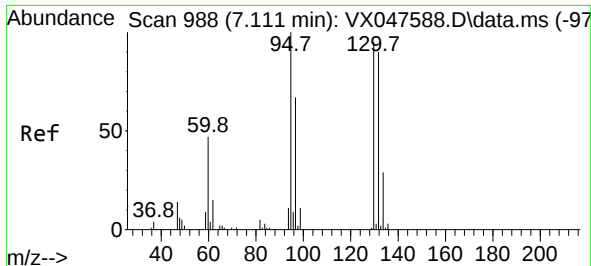
Tgt Ion: 117 Resp: 19371  
Ion Ratio Lower Upper  
117 100  
119 5.5 73.4 110.2#  
121 0.0 23.8 35.6#



#41  
Methacrylonitrile  
Concen: 3.402 ug/l  
RT: 5.007 min Scan# 643  
Delta R.T. 0.103 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion: 41 Resp: 6121  
Ion Ratio Lower Upper  
41 100  
39 47.4 43.3 64.9  
67 0.0 58.6 87.8#  
52 0.0 26.0 39.0#

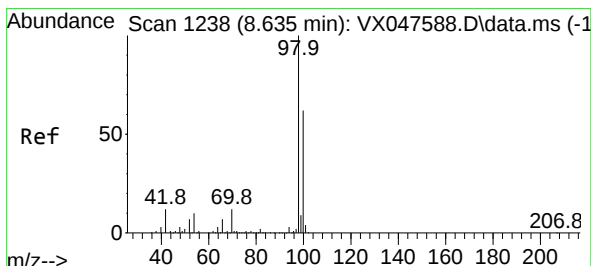
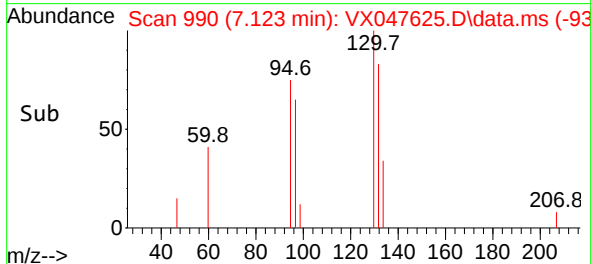
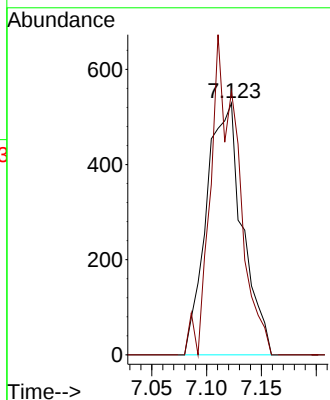
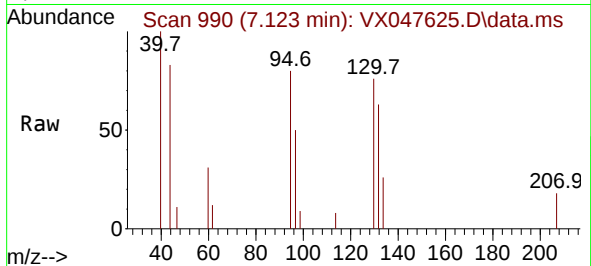




#44  
Trichloroethene  
Concen: 0.504 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.012 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

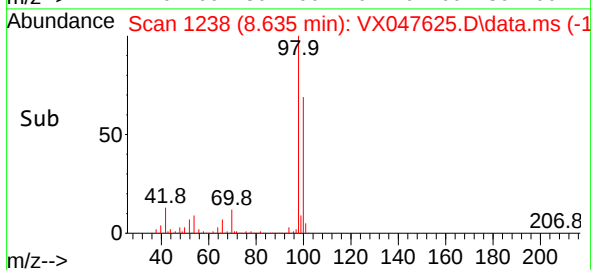
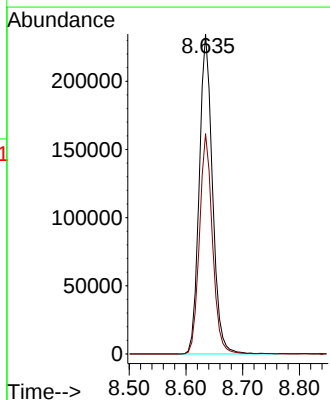
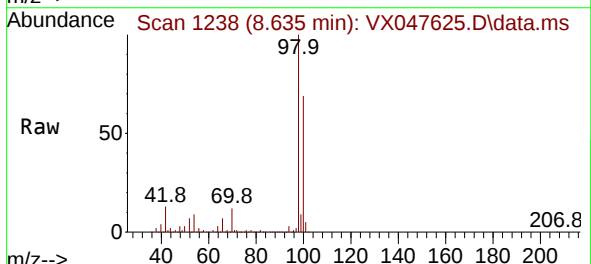
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW202D1-20250910

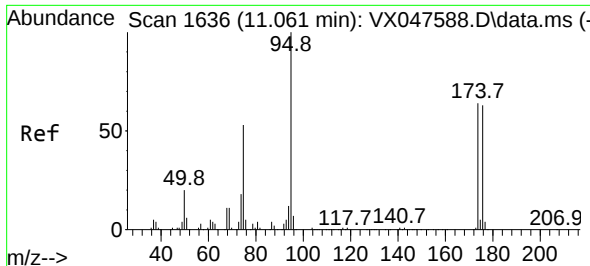
Tgt Ion:130 Resp: 1205  
Ion Ratio Lower Upper  
130 100  
95 104.7 0.0 210.8



#50  
Toluene-d8  
Concen: 49.285 ug/l  
RT: 8.635 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion: 98 Resp: 379923  
Ion Ratio Lower Upper  
98 100  
100 67.7 53.0 79.4

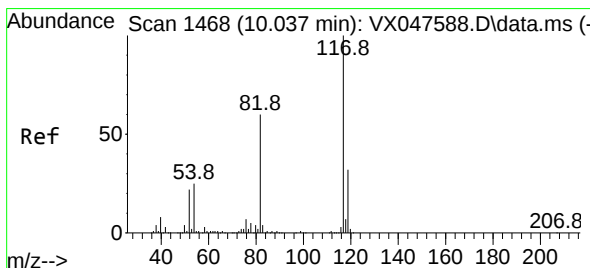
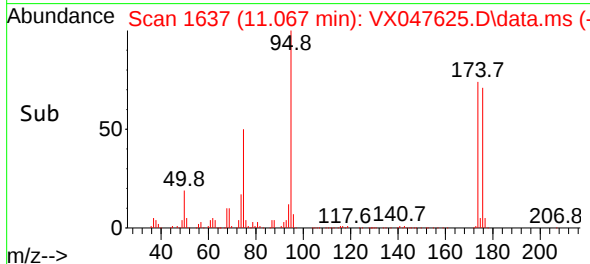
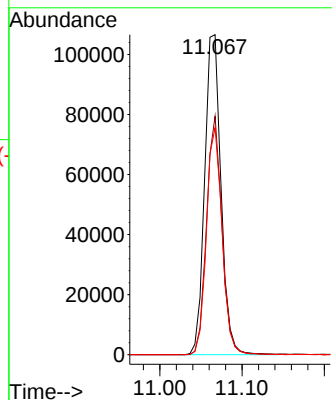
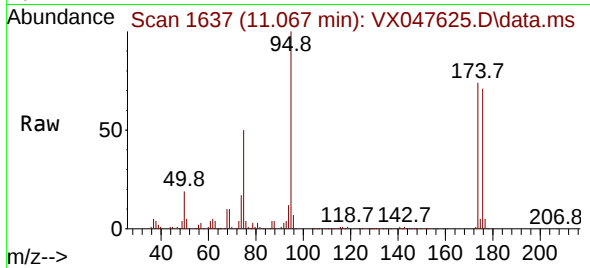




#62  
4-Bromofluorobenzene  
Concen: 50.287 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.006 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

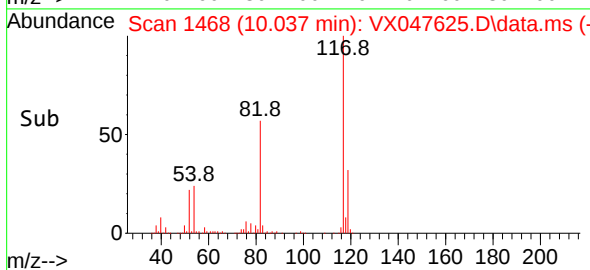
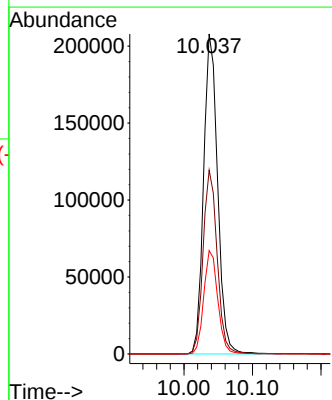
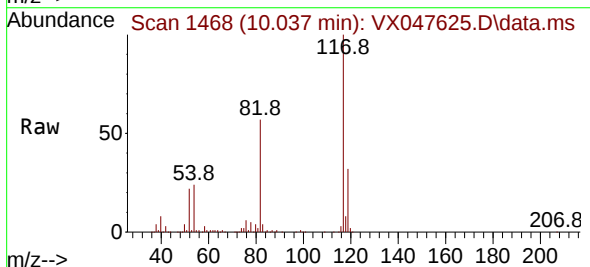
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW202D1-20250910

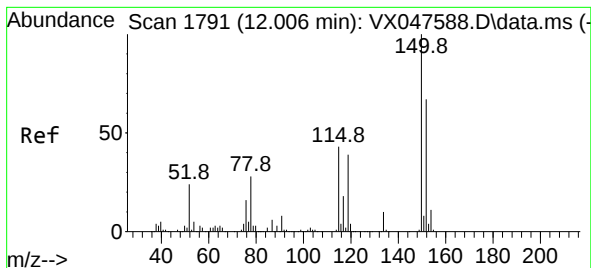
Tgt Ion: 95 Resp: 147118  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 141.6  
176 67.8 0.0 138.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX047625.D  
Acq: 17 Sep 2025 17:37

Tgt Ion: 117 Resp: 296569  
Ion Ratio Lower Upper  
117 100  
82 57.4 47.8 71.6  
119 32.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047625.D

Acq: 17 Sep 2025 17:37

Instrument :

MSVOA\_X

ClientSampleId :

MW202D1-20250910

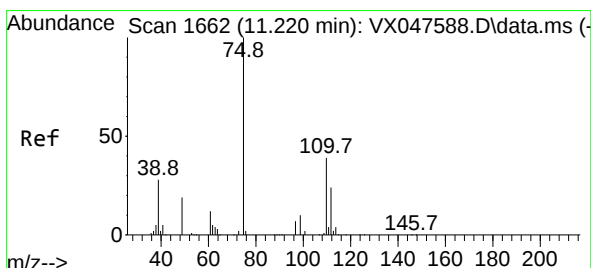
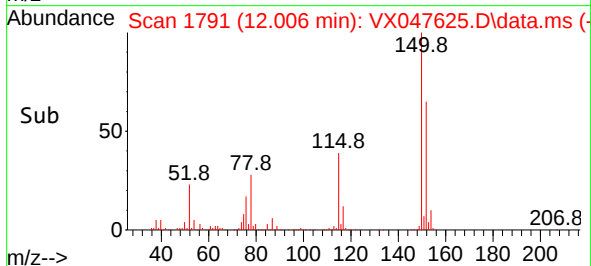
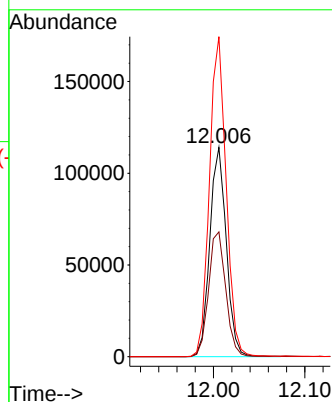
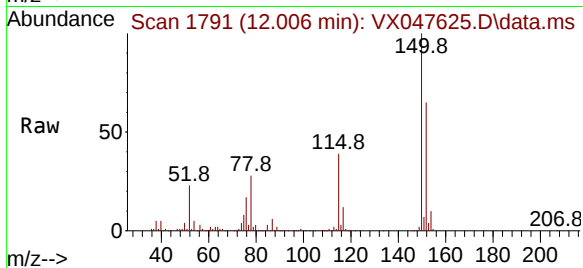
Tgt Ion:152 Resp: 143137

Ion Ratio Lower Upper

152 100

115 62.0 44.9 134.5

150 154.3 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 26.180 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047625.D

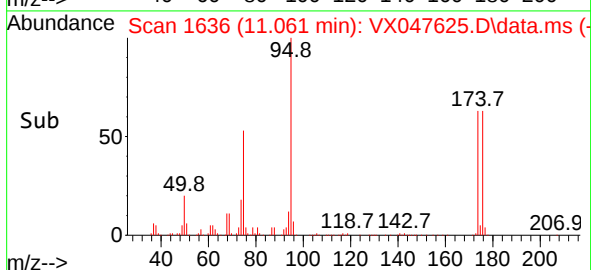
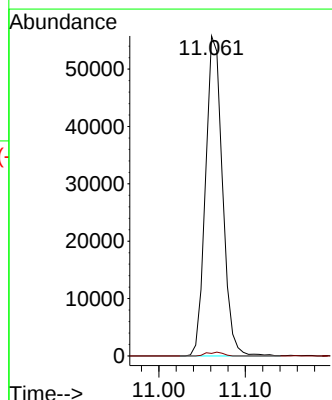
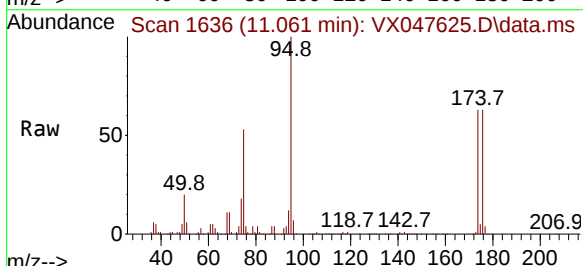
Acq: 17 Sep 2025 17:37

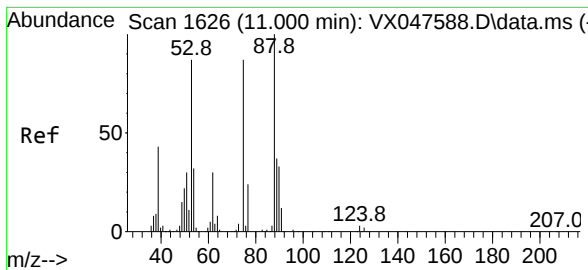
Tgt Ion: 75 Resp: 75871

Ion Ratio Lower Upper

75 100

77 1.2 18.8 56.4#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.762 ug/l  
 RT: 11.061 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX047625.D  
 Acq: 17 Sep 2025 17:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW202D1-20250910

Tgt Ion: 75 Resp: 75871  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.4 125.2#  
 89 0.0 36.3 54.5#

