

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101325\  
 Data File : VX048136.D  
 Acq On : 13 Oct 2025 13:06  
 Operator : JC/MD  
 Sample : Q3311-12DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-214DDL

Quant Time: Oct 14 01:53:45 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

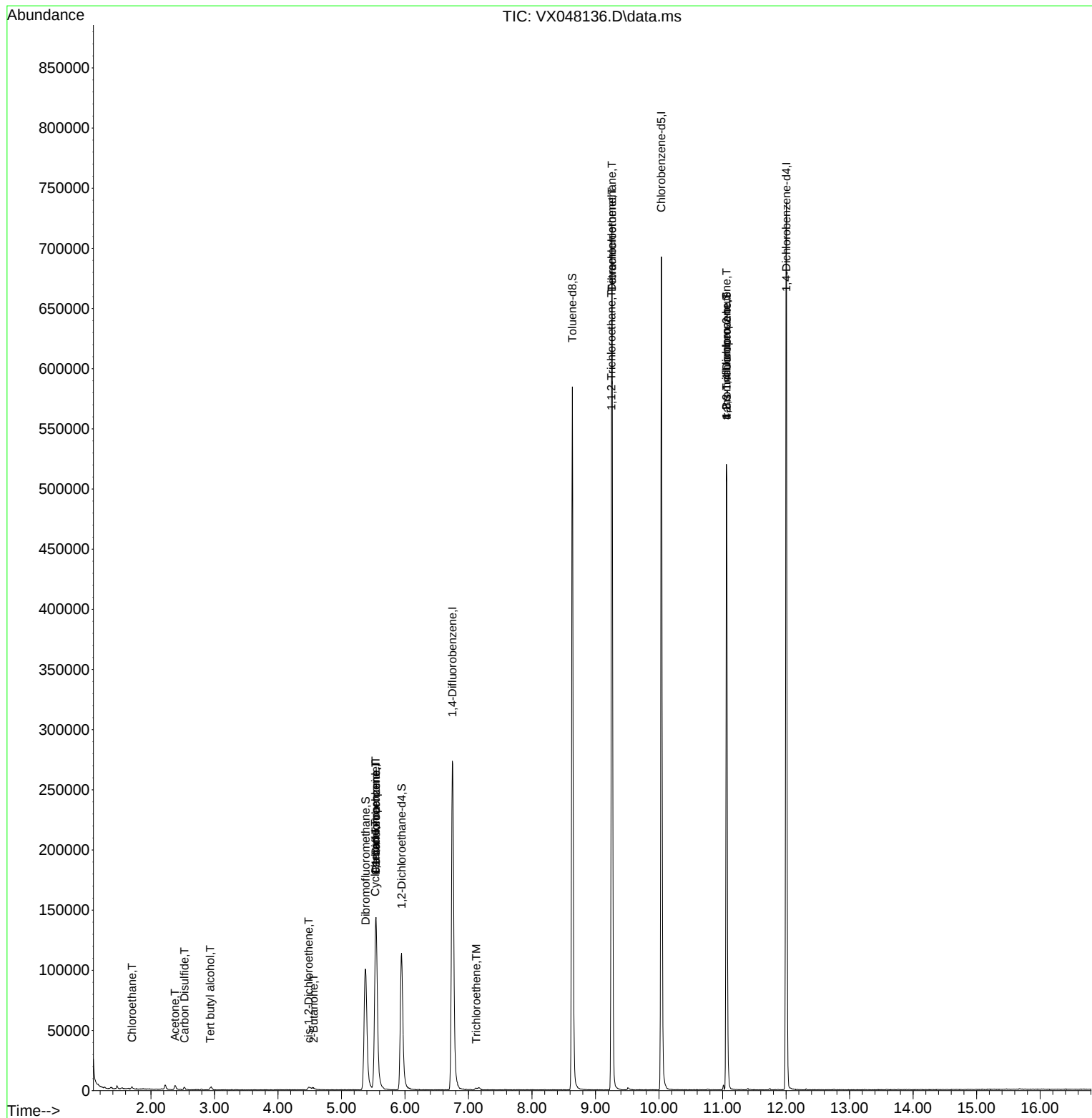
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 143231   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745  | 114   | 299760   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 312119   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 155771   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 123182   | 54.030   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 108.060% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 100199   | 49.841   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 99.680%  |          |
| 50) Toluene-d8                | 8.635  | 98    | 343716   | 49.411   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 98.820%  |          |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 149702   | 56.705   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 113.420% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 6) Chloroethane               | 1.703  | 64    | 1541     | 1.208    | ug/l #     | 75       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 1316     | 5.183    | ug/l #     | 72       |
| 16) Acetone                   | 2.380  | 43    | 4854     | 4.897    | ug/l       | 90       |
| 17) Carbon Disulfide          | 2.526  | 76    | 2590     | 0.556    | ug/l #     | 95       |
| 25) 2-Butanone                | 4.562  | 43    | 258      | 0.209    | ug/l #     | 50       |
| 27) cis-1,2-Dichloroethene    | 4.483  | 96    | 1545     | 0.689    | ug/l       | 95       |
| 31) Cyclohexane               | 5.532  | 56    | 3242     | 1.076    | ug/l #     | 11       |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 12096    | 4.118    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.538  | 117   | 15904    | 4.983    | ug/l #     | 18       |
| 44) Trichloroethene           | 7.123  | 130   | 594      | 0.275    | ug/l       | 92       |
| 55) 1,1,2-Trichloroethane     | 9.250  | 97    | 1266     | 0.597    | ug/l #     | 17       |
| 60) Dibromochloromethane      | 9.256  | 129   | 137522   | 56.309   | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.256  | 164   | 135347   | 66.520   | ug/l       | 98       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 79894    | 25.332   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 79894    | 64.600   | ug/l #     | 8        |
| -----                         |        |       |          |          |            |          |

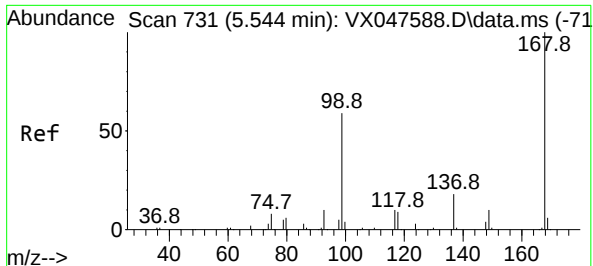
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101325\  
Data File : VX048136.D  
Acq On : 13 Oct 2025 13:06  
Operator : JC/MD  
Sample : Q3311-12DL 5X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

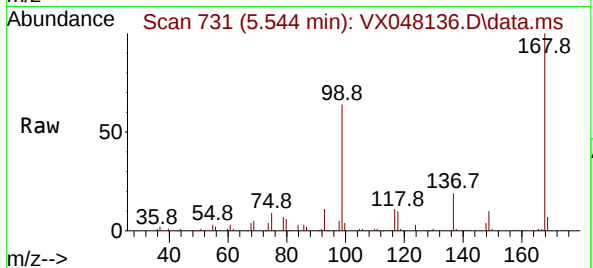
Quant Time: Oct 14 01:53:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration



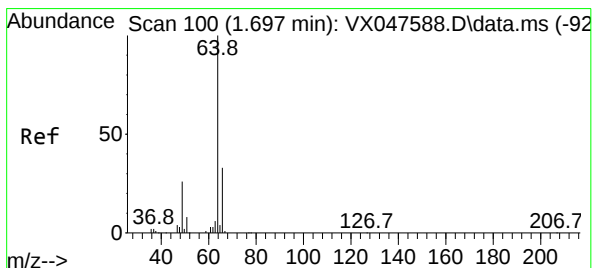
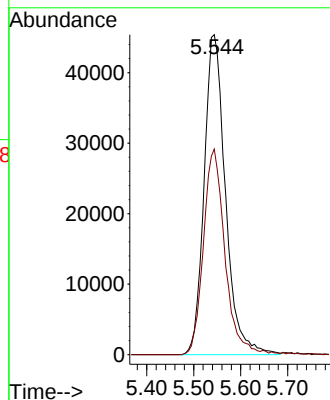
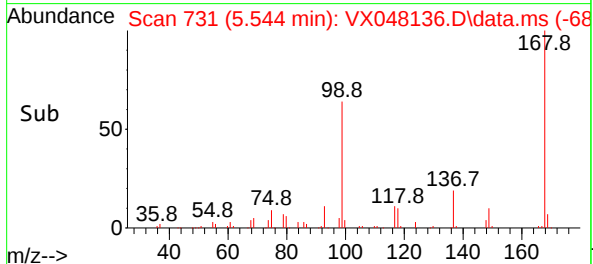


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

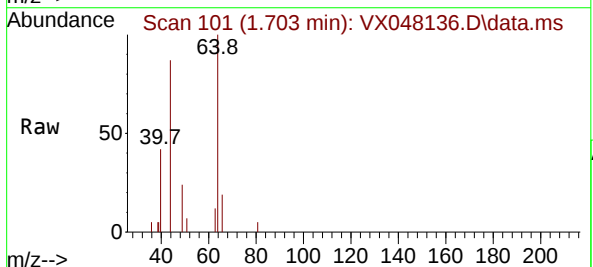
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL



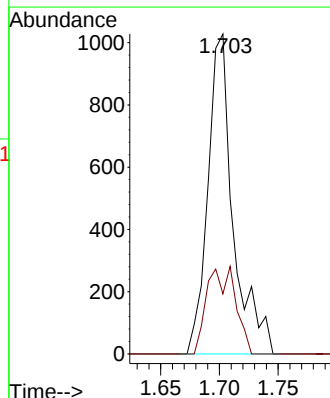
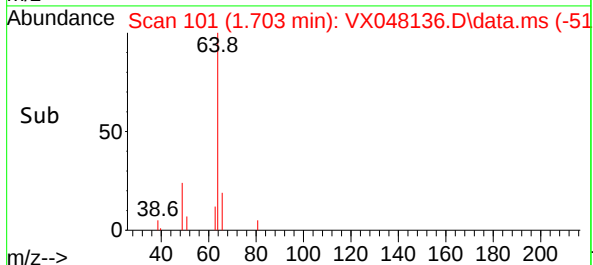
Tgt Ion:168 Resp: 143231  
Ion Ratio Lower Upper  
168 100  
99 64.3 48.8 73.2

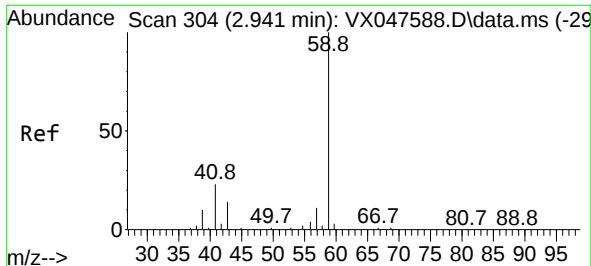


#6  
Chloroethane  
Concen: 1.208 ug/l  
RT: 1.703 min Scan# 101  
Delta R.T. 0.006 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06



Tgt Ion: 64 Resp: 1541  
Ion Ratio Lower Upper  
64 100  
66 18.8 26.1 39.1#

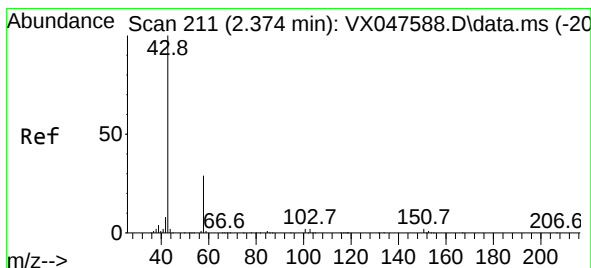
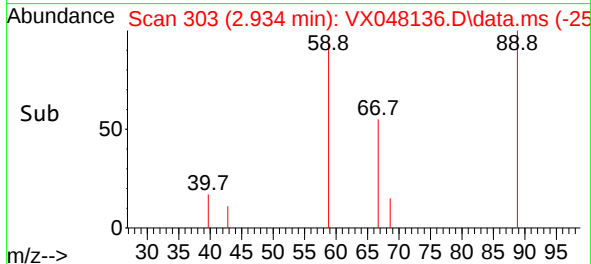
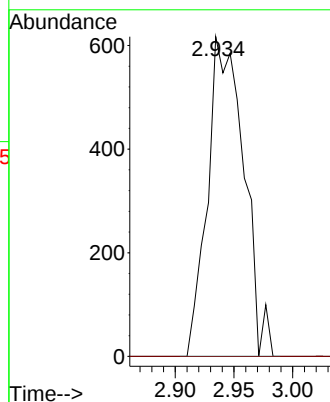
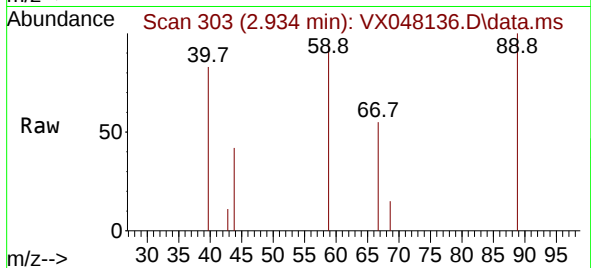




#11  
Tert butyl alcohol  
Concen: 5.183 ug/l  
RT: 2.934 min Scan# 304  
Delta R.T. -0.006 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

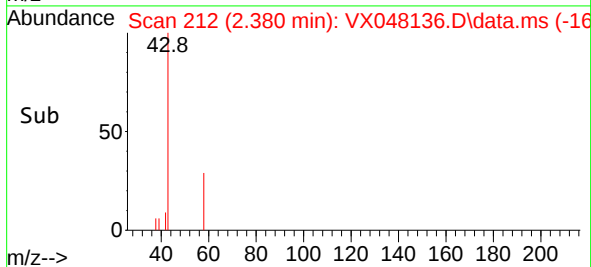
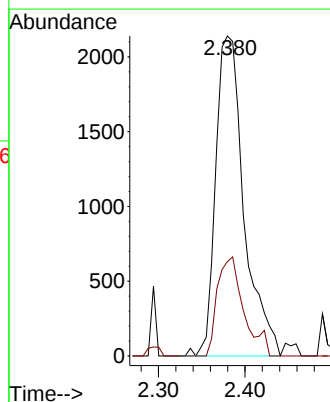
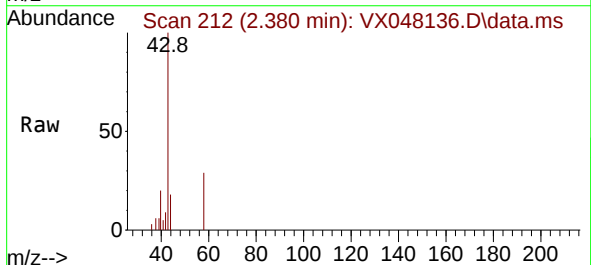
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

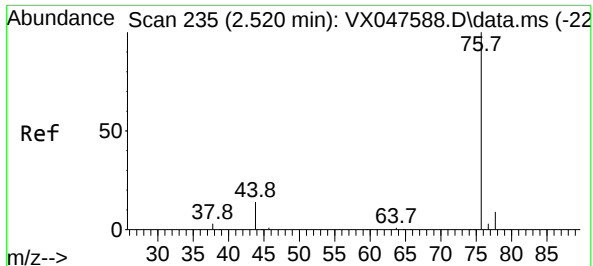
Tgt Ion: 59 Resp: 1316  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#16  
Acetone  
Concen: 4.897 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

Tgt Ion: 43 Resp: 4854  
Ion Ratio Lower Upper  
43 100  
58 34.8 23.4 35.0

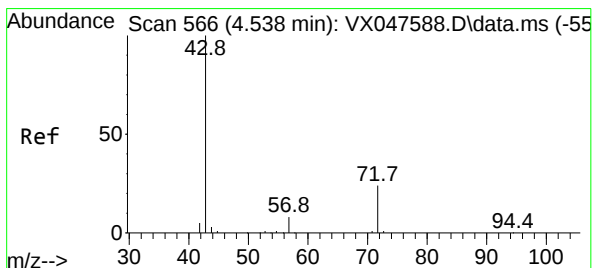
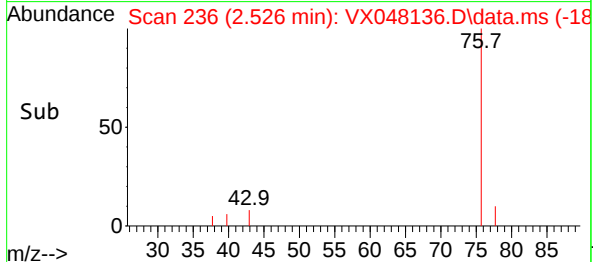
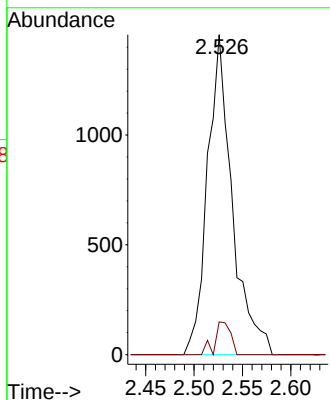
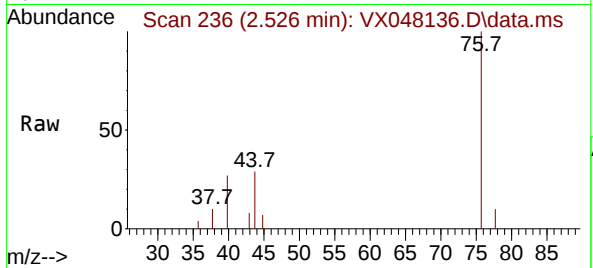




#17  
Carbon Disulfide  
Concen: 0.556 ug/l  
RT: 2.526 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

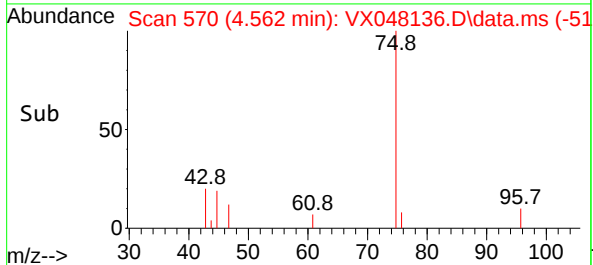
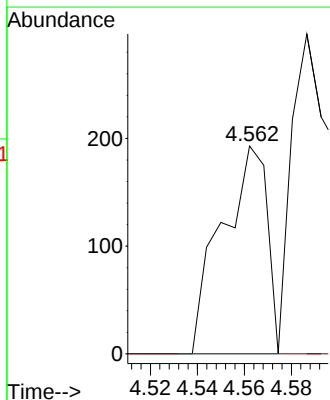
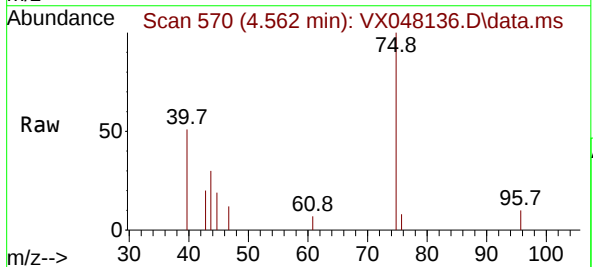
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

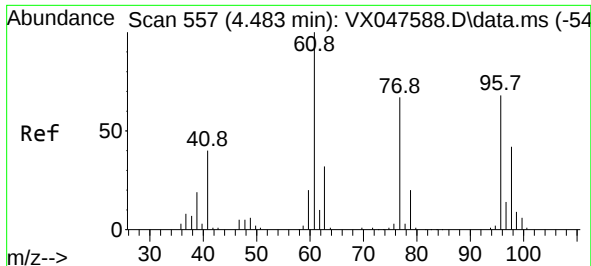
Tgt Ion: 76 Resp: 2590  
Ion Ratio Lower Upper  
76 100  
78 10.2 6.8 10.2#



#25  
2-Butanone  
Concen: 0.209 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.024 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

Tgt Ion: 43 Resp: 258  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.1 30.1#

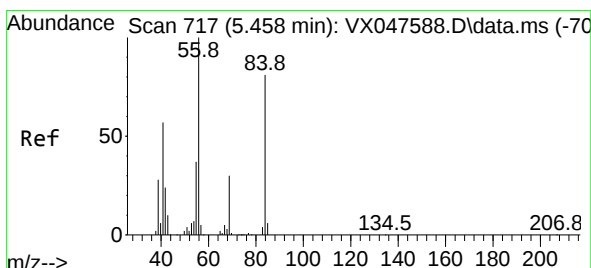
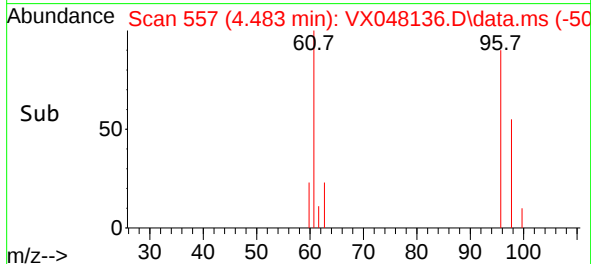
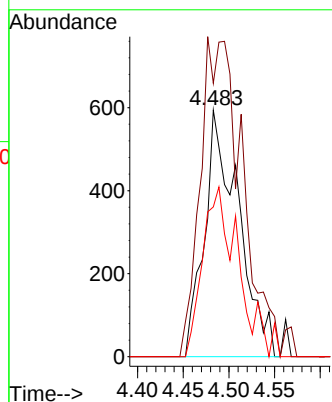
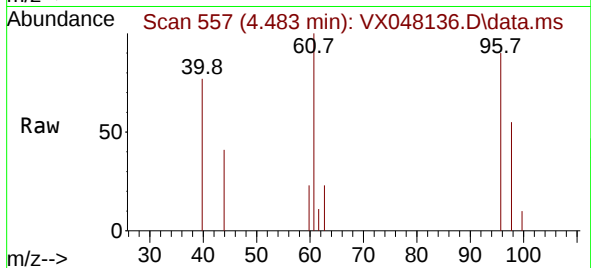




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.689 ug/l  
 RT: 4.483 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VX048136.D  
 Acq: 13 Oct 2025 13:06

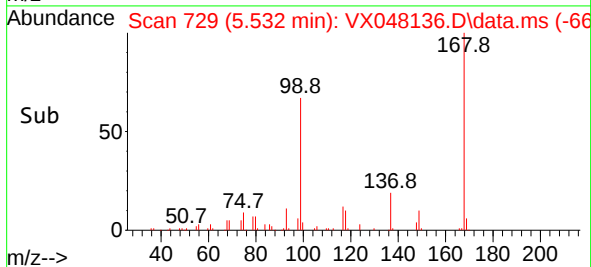
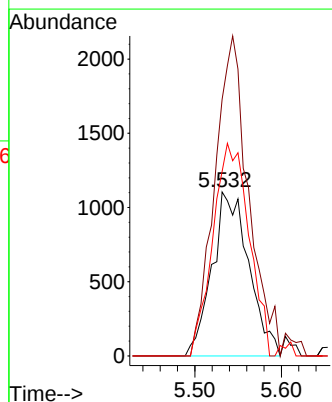
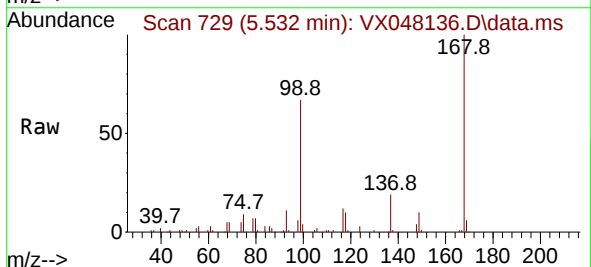
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-214DDL

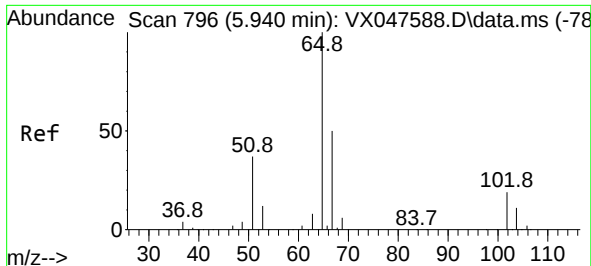
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 1545  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 159.0 | 0.0   | 303.2 |
| 98       | 65.6  | 0.0   | 127.8 |



#31  
 Cyclohexane  
 Concen: 1.076 ug/l  
 RT: 5.532 min Scan# 729  
 Delta R.T. 0.073 min  
 Lab File: VX048136.D  
 Acq: 13 Oct 2025 13:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 3242  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 156.5 | 23.8  | 35.8# |
| 84       | 112.5 | 64.6  | 97.0# |





#33

1,2-Dichloroethane-d4

Concen: 54.030 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048136.D

Acq: 13 Oct 2025 13:06

Instrument :

MSVOA\_X

ClientSampleId :

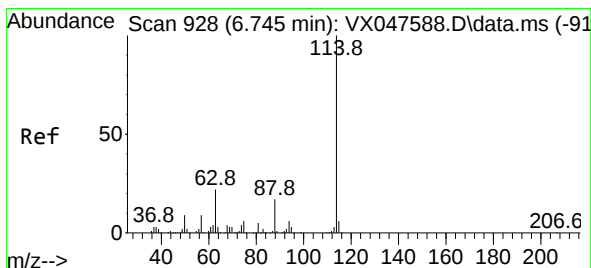
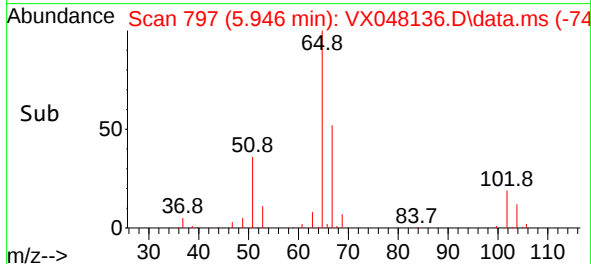
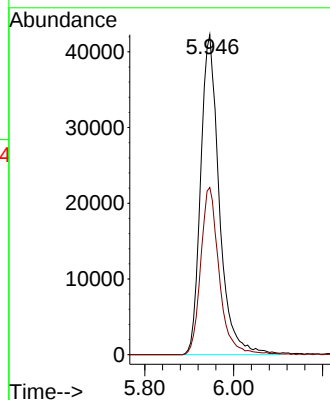
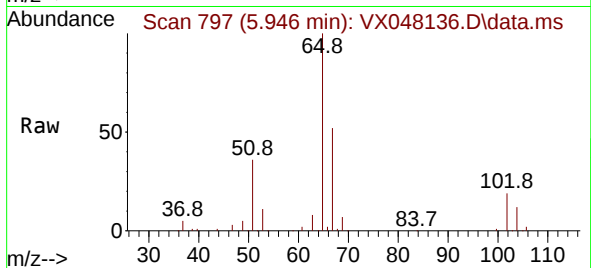
MW-214DDL

Tgt Ion: 65 Resp: 123182

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048136.D

Acq: 13 Oct 2025 13:06

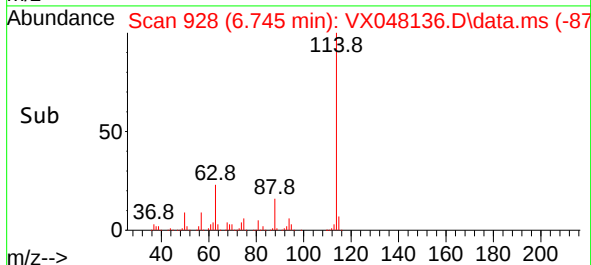
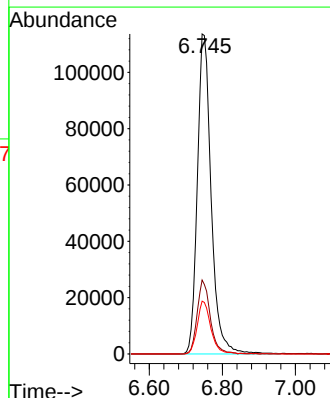
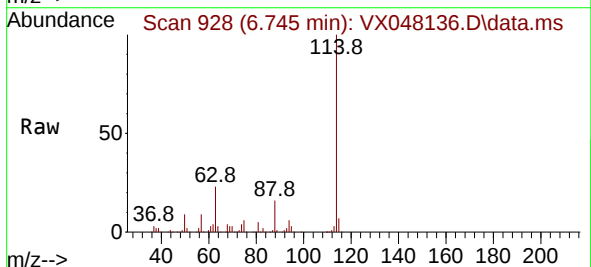
Tgt Ion: 114 Resp: 299760

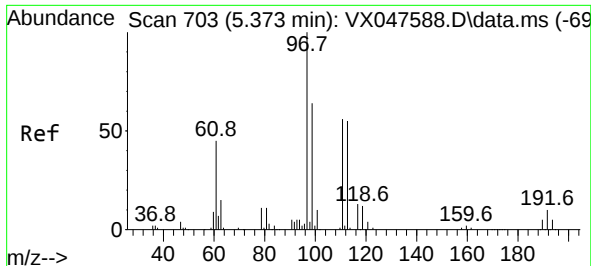
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.0

88 16.5 0.0 34.2

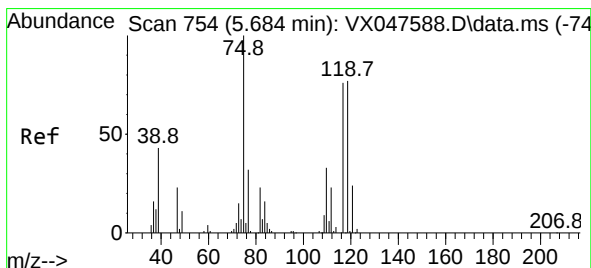
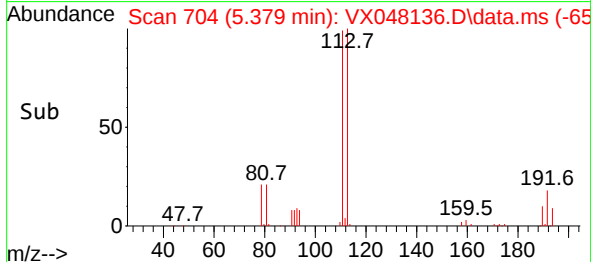
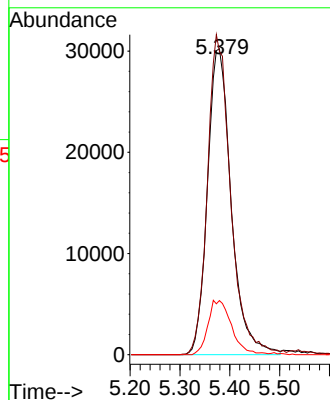
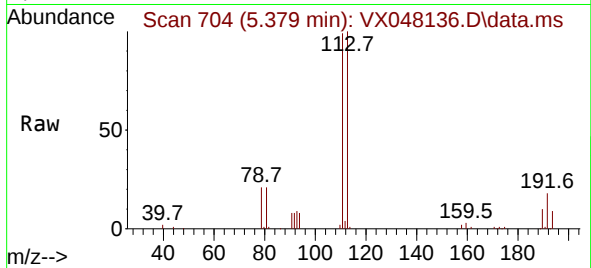




#35  
Dibromofluoromethane  
Concen: 49.841 ug/l  
RT: 5.379 min Scan# 703  
Delta R.T. 0.006 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

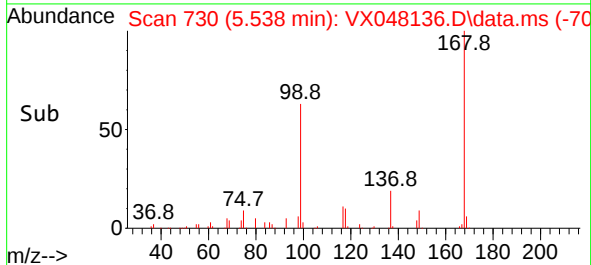
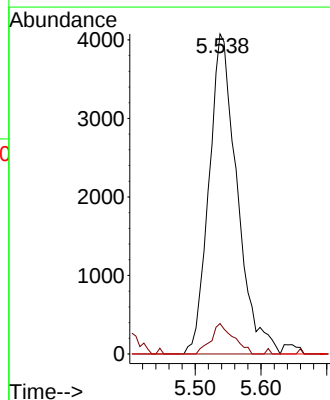
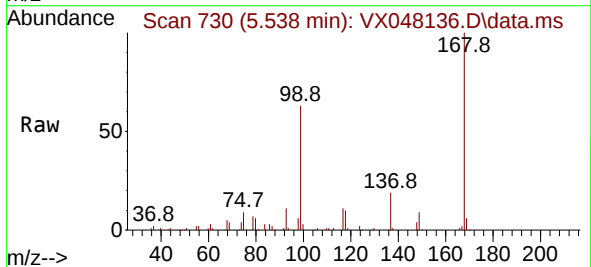
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

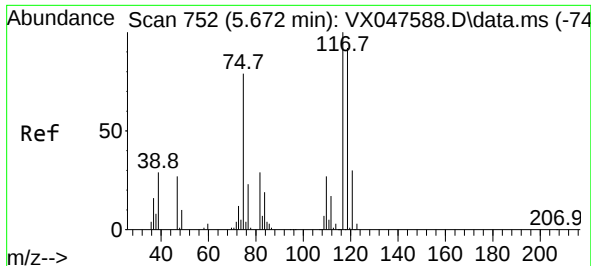
Tgt Ion:113 Resp: 100199  
Ion Ratio Lower Upper  
113 100  
111 102.3 80.9 121.3  
192 17.6 14.2 21.4



#36  
1,1-Dichloropropene  
Concen: 4.118 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.146 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

Tgt Ion: 75 Resp: 12096  
Ion Ratio Lower Upper  
75 100  
110 7.6 16.7 50.1#  
77 0.0 24.3 36.5#

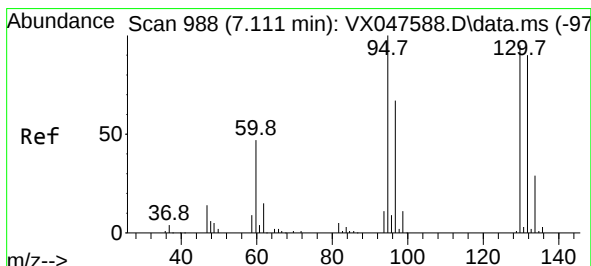
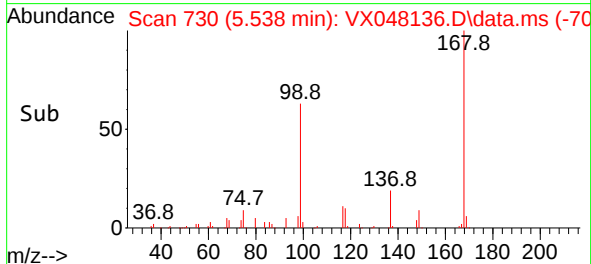
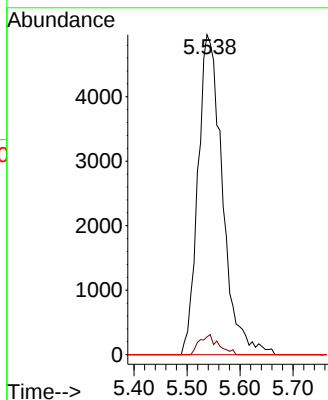
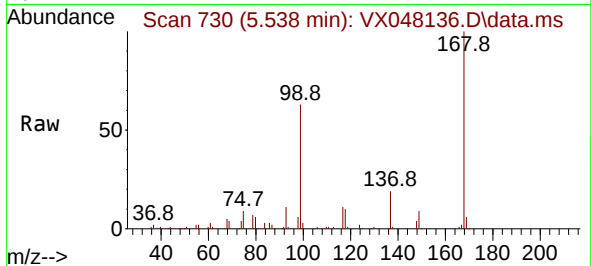




#38  
Carbon Tetrachloride  
Concen: 4.983 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

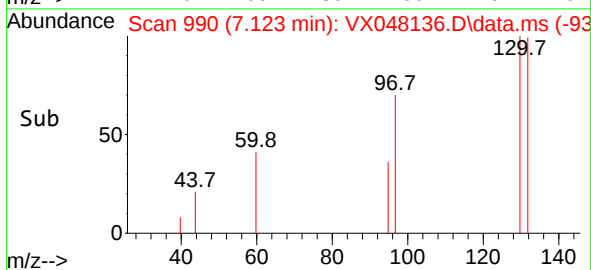
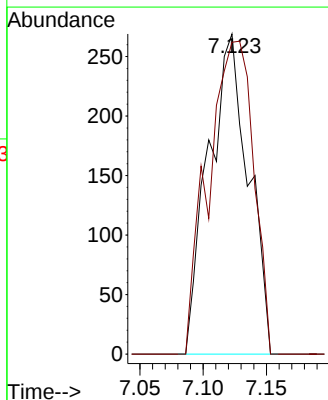
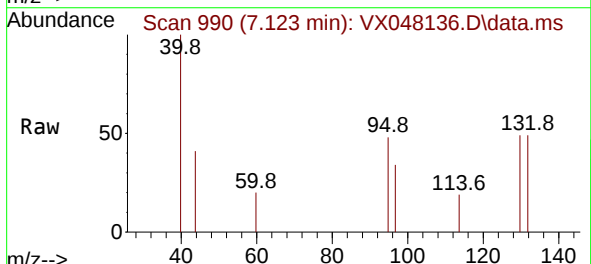
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

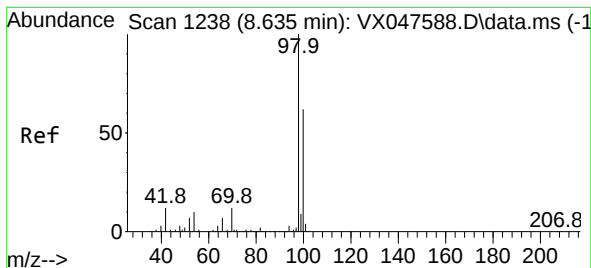
Tgt Ion:117 Resp: 15904  
Ion Ratio Lower Upper  
117 100  
119 5.6 73.4 110.2#  
121 0.0 23.8 35.6#



#44  
Trichloroethene  
Concen: 0.275 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.012 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

Tgt Ion:130 Resp: 594  
Ion Ratio Lower Upper  
130 100  
95 97.4 0.0 210.8





#50

Toluene-d8

Concen: 49.411 ug/l

RT: 8.635 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048136.D

Acq: 13 Oct 2025 13:06

Instrument :

MSVOA\_X

ClientSampleId :

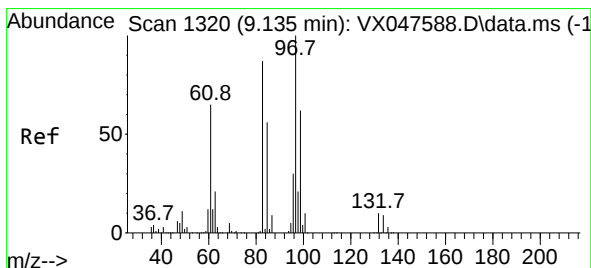
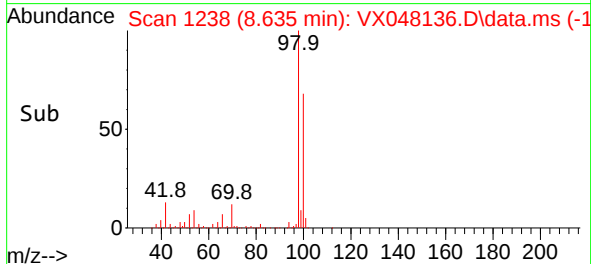
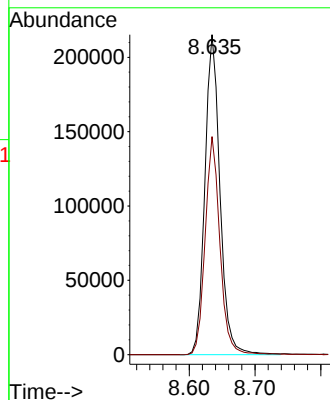
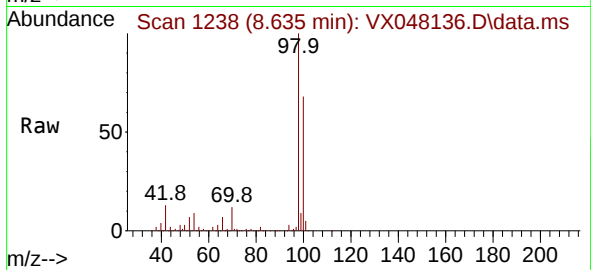
MW-214DDL

Tgt Ion: 98 Resp: 343716

Ion Ratio Lower Upper

98 100

100 66.7 53.0 79.4



#55

1,1,2-Trichloroethane

Concen: 0.597 ug/l

RT: 9.250 min Scan# 1339

Delta R.T. 0.116 min

Lab File: VX048136.D

Acq: 13 Oct 2025 13:06

Tgt Ion: 97 Resp: 1266

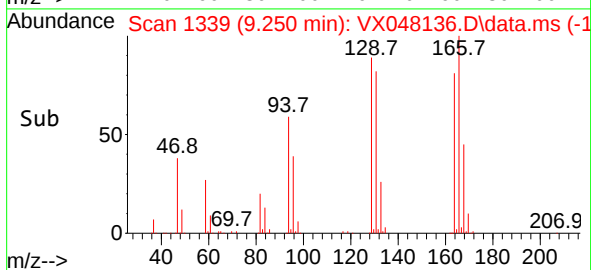
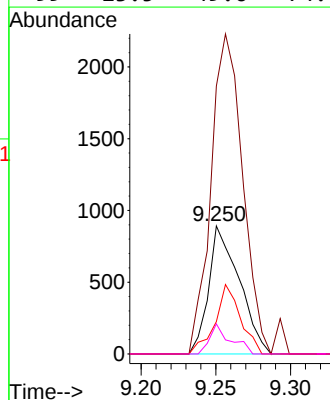
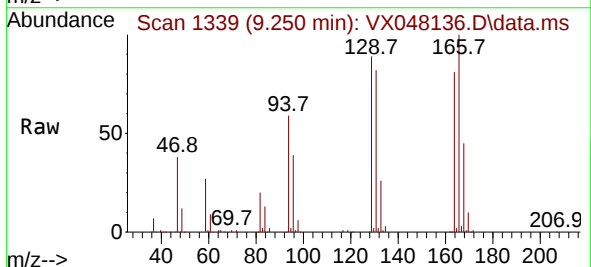
Ion Ratio Lower Upper

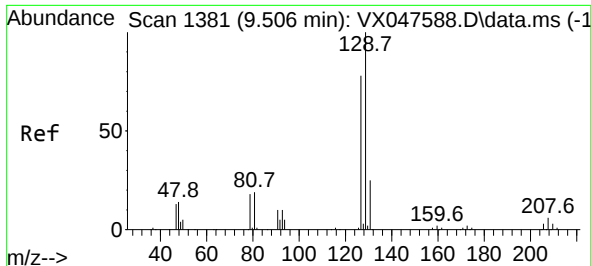
97 100

83 209.3 69.6 104.4#

85 25.2 45.0 67.6#

99 23.5 49.6 74.4#

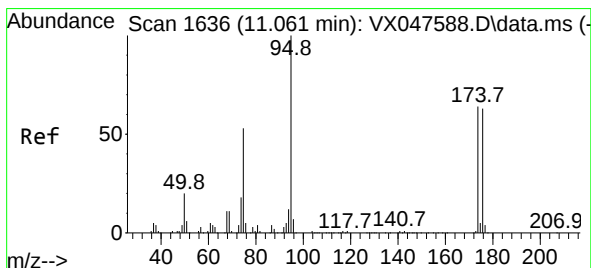
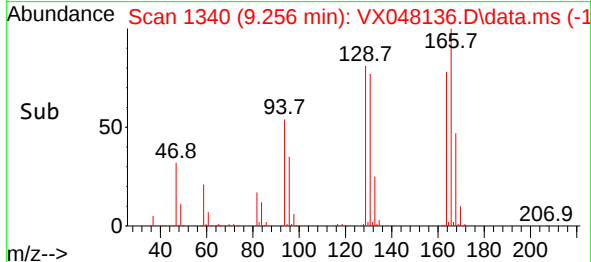
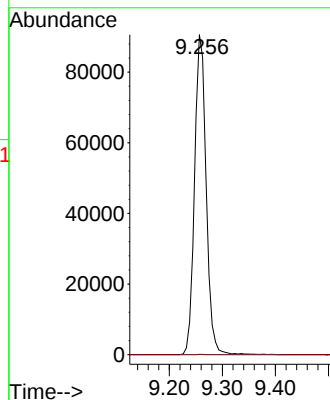
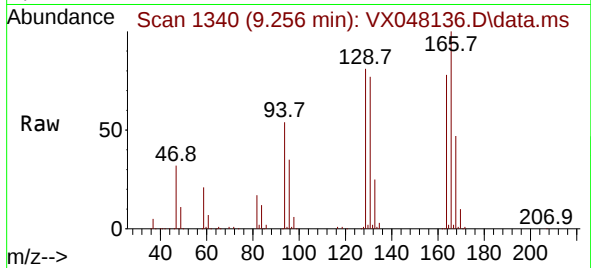




#60  
Dibromochloromethane  
Concen: 56.309 ug/l  
RT: 9.256 min Scan# 11  
Delta R.T. -0.250 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

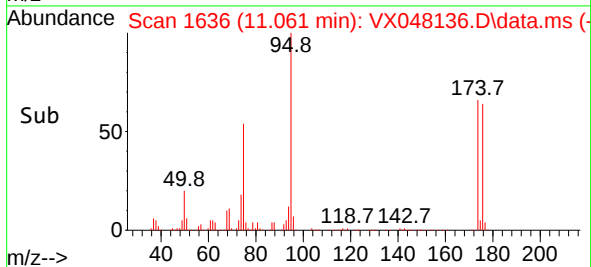
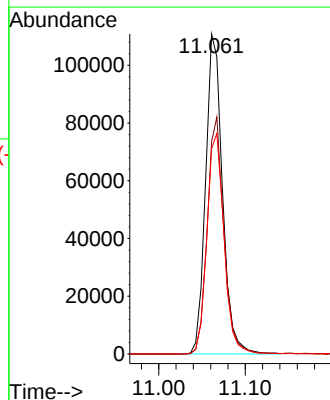
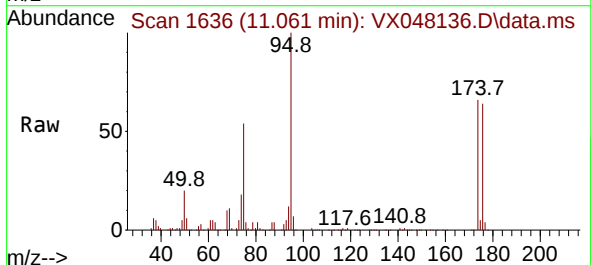
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

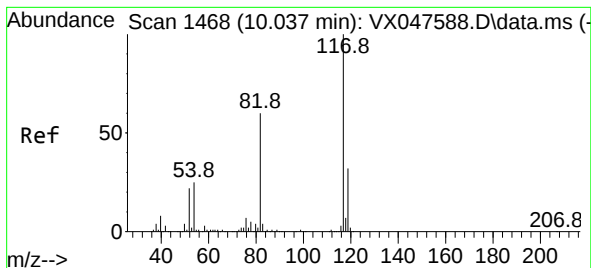
Tgt Ion:129 Resp: 137522  
Ion Ratio Lower Upper  
129 100  
127 0.1 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 56.705 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

Tgt Ion: 95 Resp: 149702  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 141.6  
176 70.1 0.0 138.4

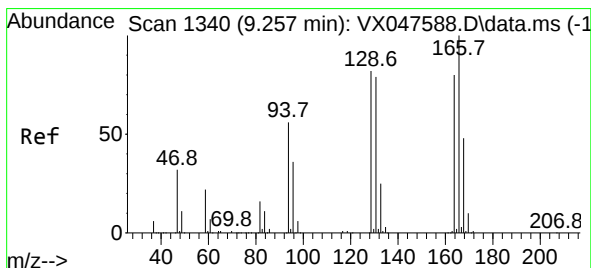
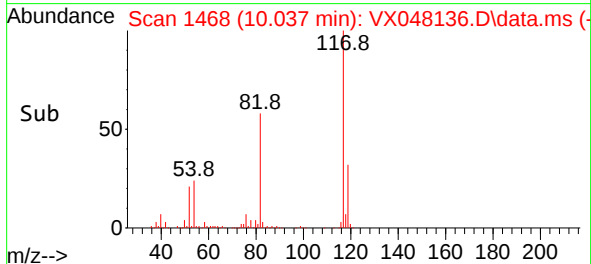
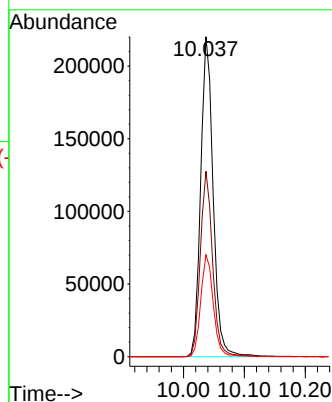
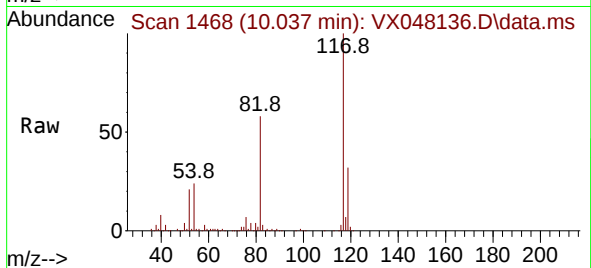




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

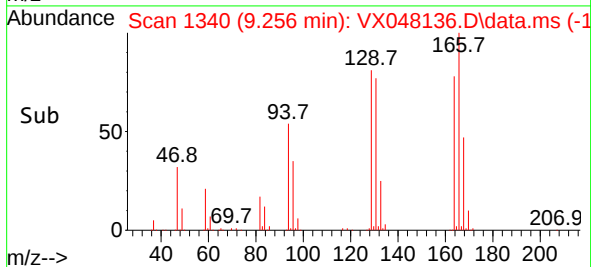
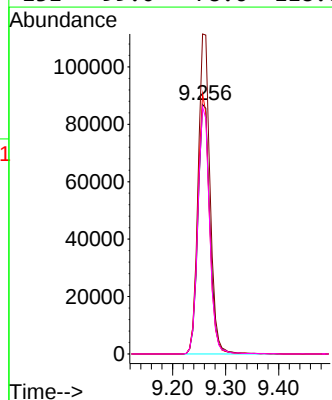
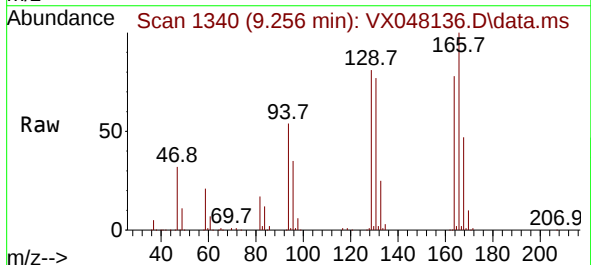
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

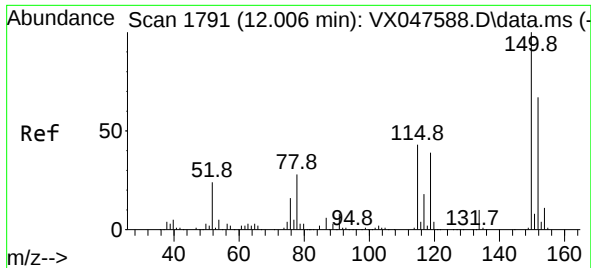
Tgt Ion:117 Resp: 312119  
Ion Ratio Lower Upper  
117 100  
82 57.9 47.8 71.6  
119 31.8 25.2 37.8



#64  
Tetrachloroethene  
Concen: 66.520 ug/l  
RT: 9.256 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

Tgt Ion:164 Resp: 135347  
Ion Ratio Lower Upper  
164 100  
166 128.3 100.2 150.2  
129 104.3 81.8 122.6  
131 99.0 78.6 118.0

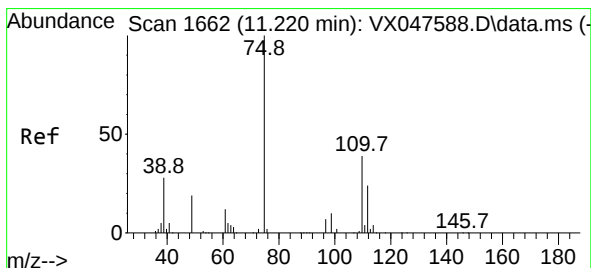
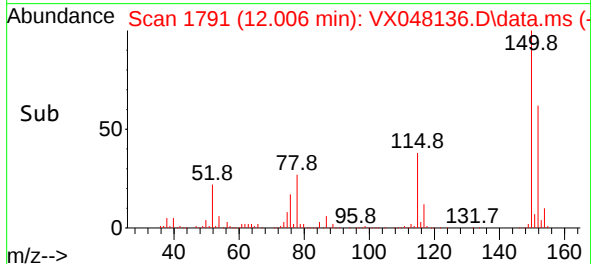
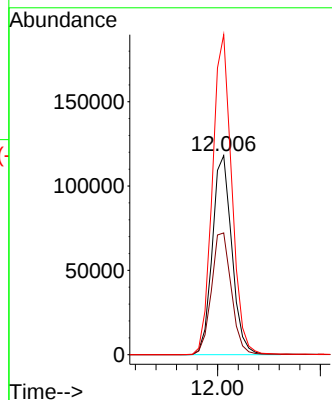
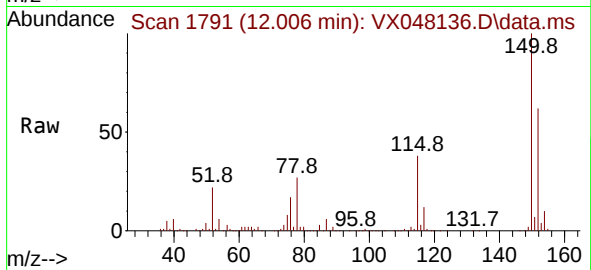




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

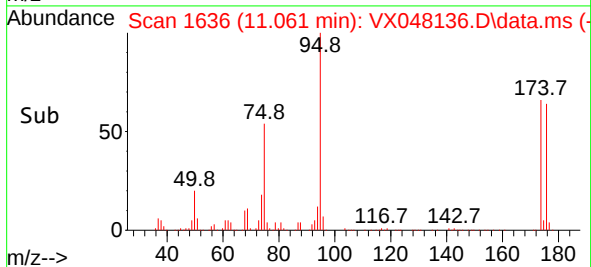
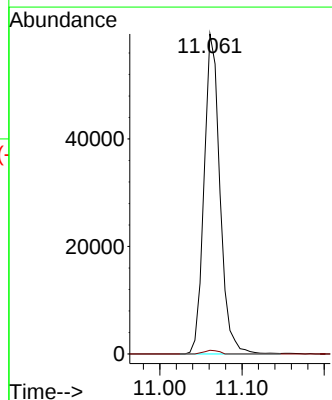
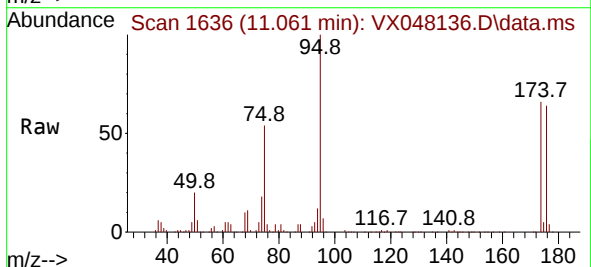
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-214DDL

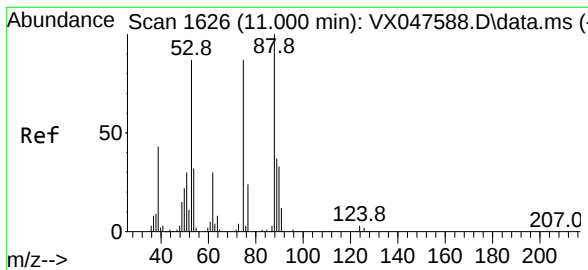
Tgt Ion:152 Resp: 155771  
Ion Ratio Lower Upper  
152 100  
115 62.7 44.9 134.5  
150 159.5 0.0 352.0



#76  
1,2,3-Trichloropropane  
Concen: 25.332 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.159 min  
Lab File: VX048136.D  
Acq: 13 Oct 2025 13:06

Tgt Ion: 75 Resp: 79894  
Ion Ratio Lower Upper  
75 100  
77 1.1 18.8 56.4#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 64.600 ug/l  
 RT: 11.061 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX048136.D  
 Acq: 13 Oct 2025 13:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-214DDL

Tgt Ion: 75 Resp: 79894  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.4 125.2#  
 89 0.0 36.3 54.5#

