

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111325\  
 Data File : VX048588.D  
 Acq On : 13 Nov 2025 11:54  
 Operator : JC/MD  
 Sample : VX1113MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1113MBL01

Quant Time: Nov 14 03:55:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

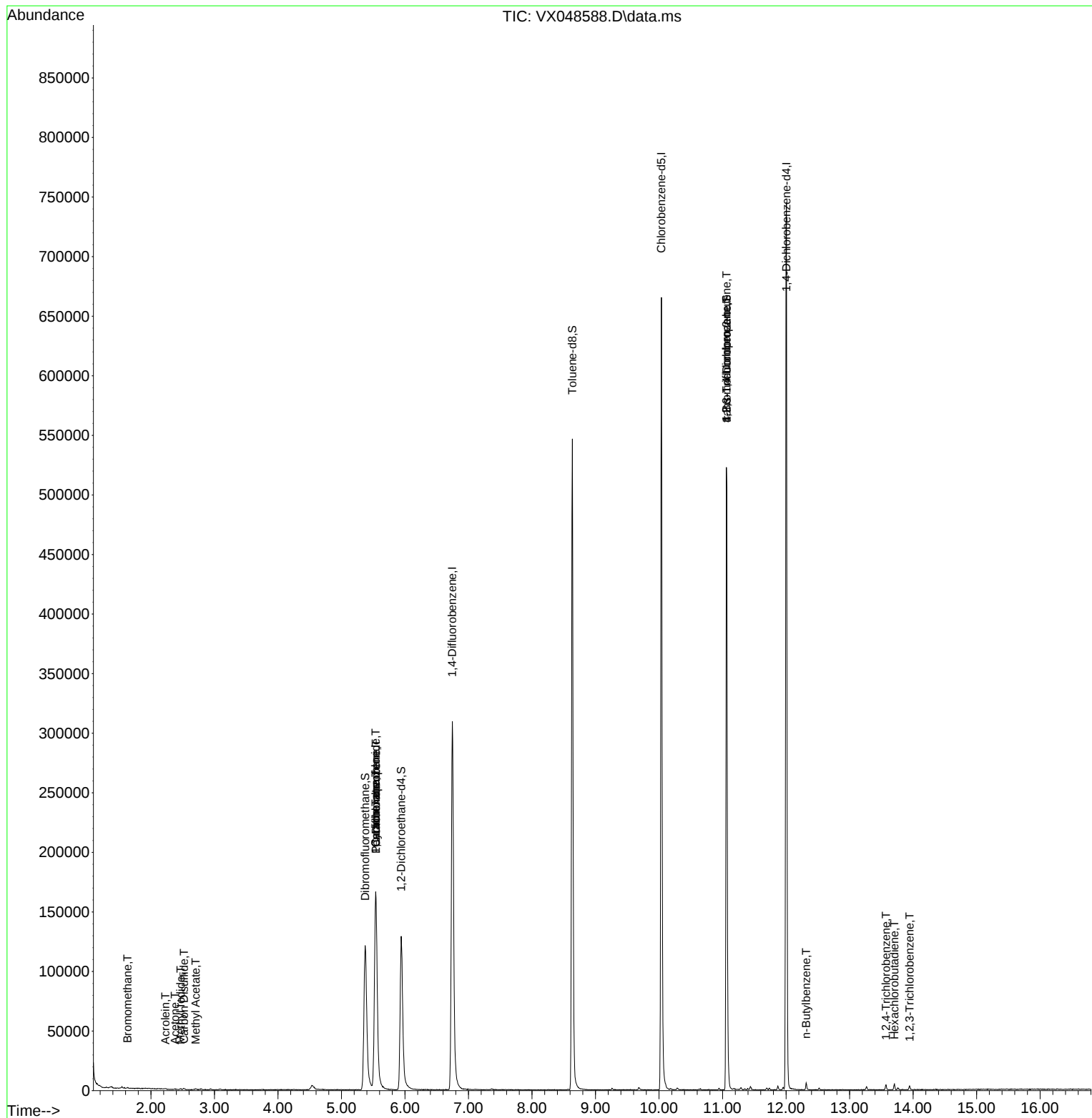
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.544          | 168  | 178538              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745          | 114  | 349889              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037         | 117  | 300483              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006         | 152  | 163983              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940          | 65   | 137520              | 55.278 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 110.560% |        |        |          |
| 35) Dibromofluoromethane      | 5.373          | 113  | 121704              | 45.958 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 91.920%  |        |        |          |
| 50) Toluene-d8                | 8.635          | 98   | 339191              | 41.068 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 82.140%# |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.061         | 95   | 146244              | 47.513 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 95.020%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 5) Bromomethane               | 1.630          | 94   | 361                 | 0.263  | ug/l   | 98       |
| 10) Methyl Iodide             | 2.465          | 142  | 885                 | 0.301  | ug/l # | 87       |
| 13) Acrolein                  | 2.227          | 56   | 39                  | 0.572  | ug/l # | 15       |
| 16) Acetone                   | 2.380          | 43   | 749                 | 0.636  | ug/l # | 78       |
| 17) Carbon Disulfide          | 2.520          | 76   | 1647                | 0.282  | ug/l # | 86       |
| 18) Methyl Acetate            | 2.703          | 43   | 1123                | 0.347  | ug/l # | 84       |
| 31) Cyclohexane               | 5.538          | 56   | 3255                | 0.974  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 13365               | 3.769  | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 5.538          | 117  | 17374               | 4.304  | ug/l # | 19       |
| 76) 1,2,3-Trichloropropane    | 11.061         | 75   | 77696               | 19.667 | ug/l # | 30       |
| 81) trans-1,4-Dichloro-2-b... | 11.061         | 75   | 77696               | 56.254 | ug/l # | 12       |
| 89) n-Butylbenzene            | 12.317         | 91   | 2358                | 0.241  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.573         | 180  | 1315                | 0.358  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.707         | 225  | 818                 | 0.532  | ug/l   | 90       |
| 96) 1,2,3-Trichlorobenzene    | 13.945         | 180  | 960                 | 0.281  | ug/l   | 96       |
| -----                         |                |      |                     |        |        |          |

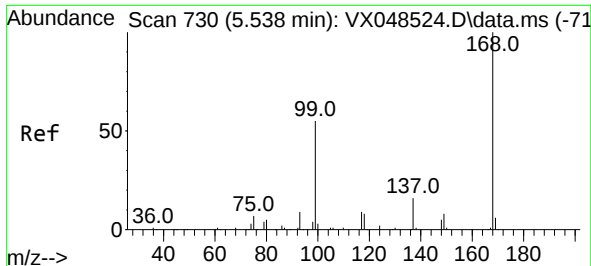
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111325\  
Data File : VX048588.D  
Acq On : 13 Nov 2025 11:54  
Operator : JC/MD  
Sample : VX1113MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

Quant Time: Nov 14 03:55:09 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 08 05:08:11 2025  
Response via : Initial Calibration

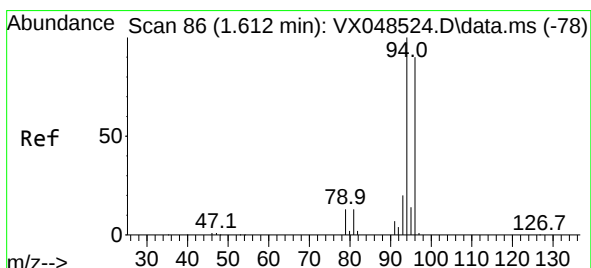
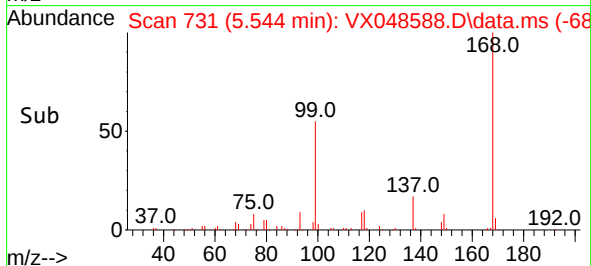
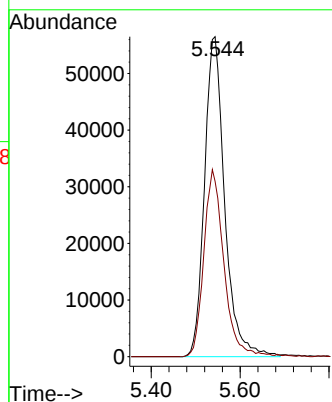
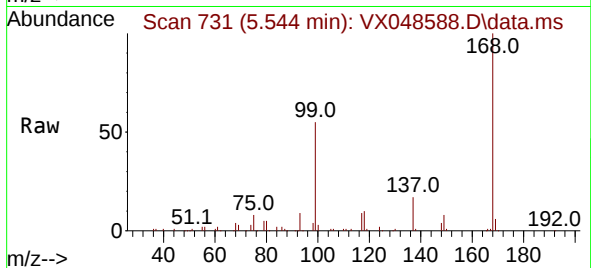




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

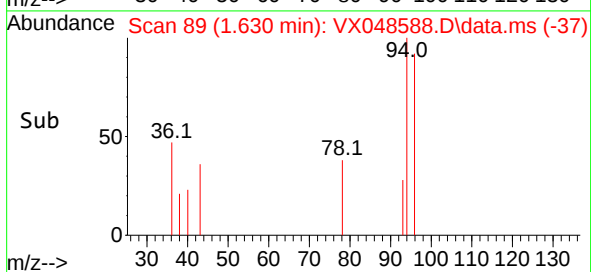
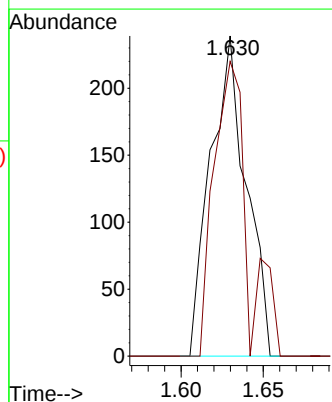
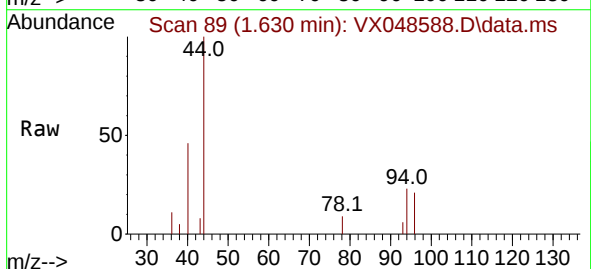
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

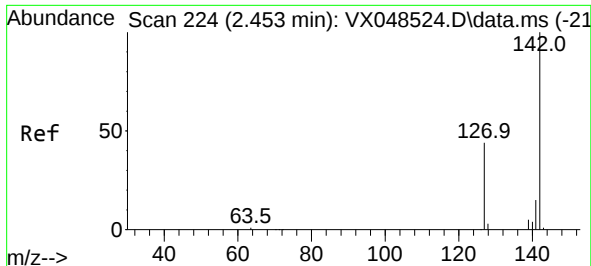
Tgt Ion:168 Resp: 178538  
Ion Ratio Lower Upper  
168 100  
99 54.8 45.2 67.8



#5  
Bromomethane  
Concen: 0.263 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.018 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 94 Resp: 361  
Ion Ratio Lower Upper  
94 100  
96 92.1 72.3 108.5

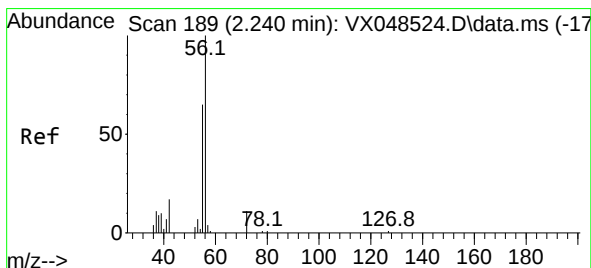
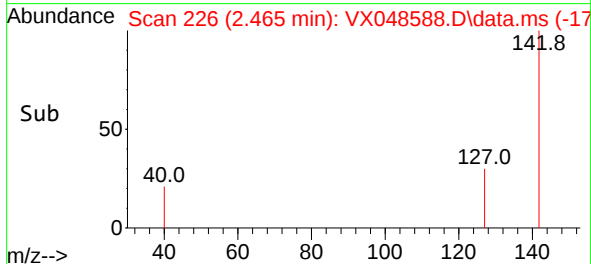
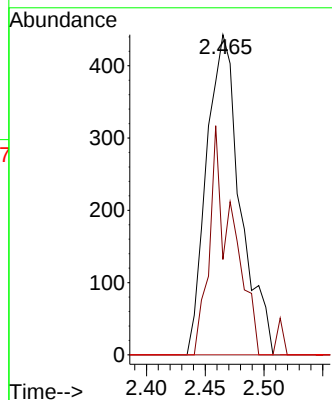
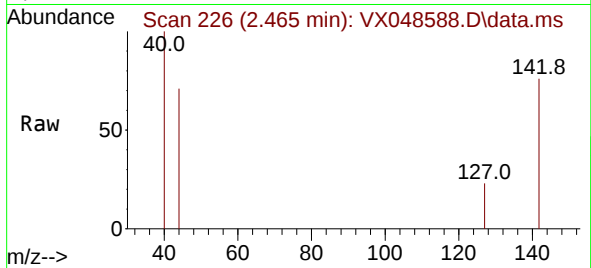




#10  
Methyl Iodide  
Concen: 0.301 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

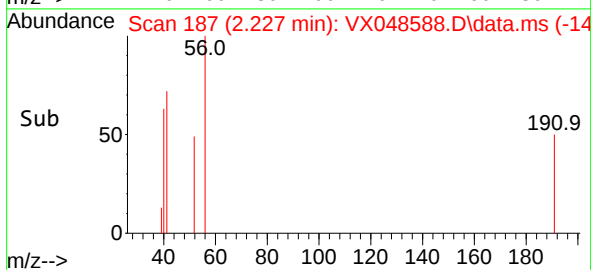
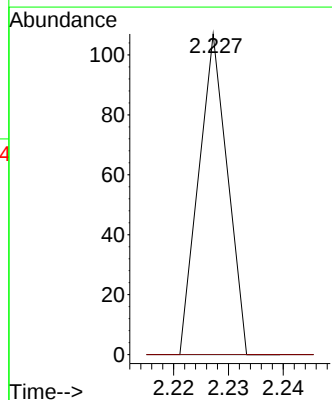
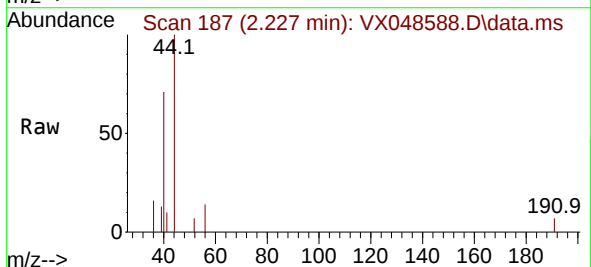
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

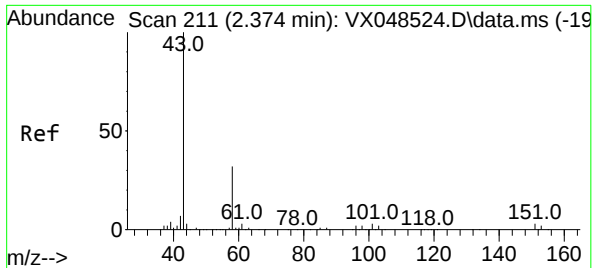
Tgt Ion:142 Resp: 885  
Ion Ratio Lower Upper  
142 100  
127 48.7 35.8 53.6  
141 0.0 11.4 17.0#



#13  
Acrolein  
Concen: 0.572 ug/l  
RT: 2.227 min Scan# 187  
Delta R.T. -0.012 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 56 Resp: 39  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.9 82.3#

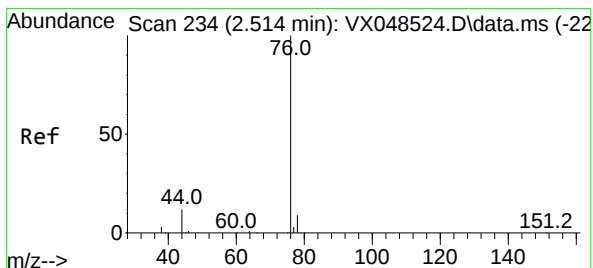
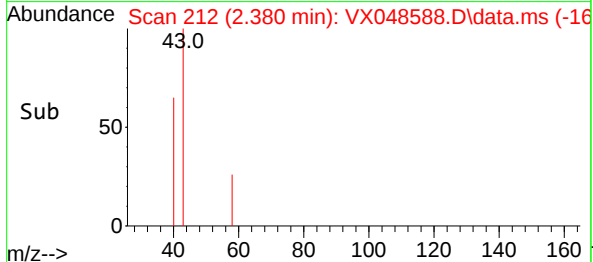
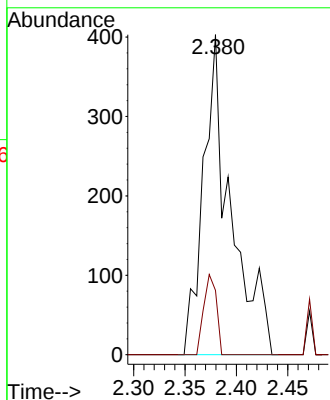
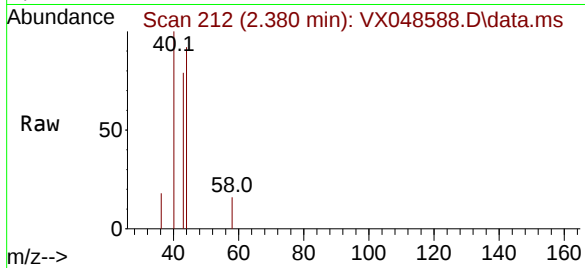




#16  
Acetone  
Concen: 0.636 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

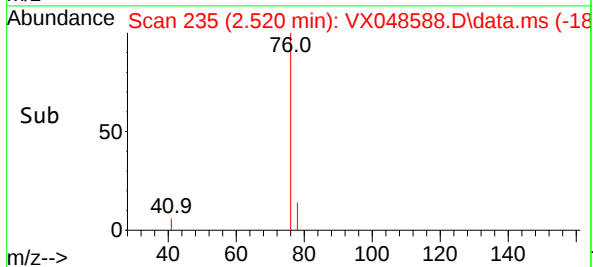
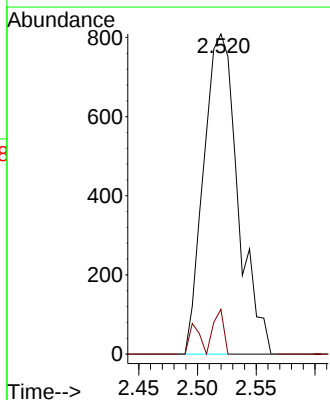
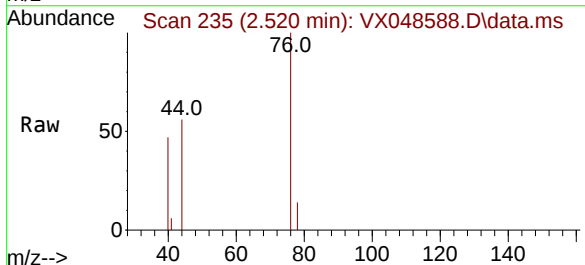
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

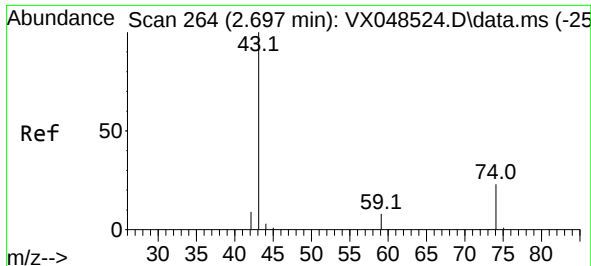
Tgt Ion: 43 Resp: 749  
Ion Ratio Lower Upper  
43 100  
58 20.1 25.8 38.6#



#17  
Carbon Disulfide  
Concen: 0.282 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.006 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 76 Resp: 1647  
Ion Ratio Lower Upper  
76 100  
78 14.0 7.1 10.7#

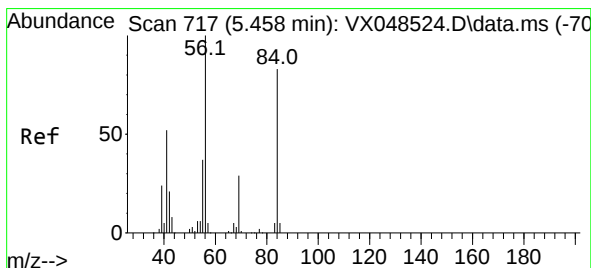
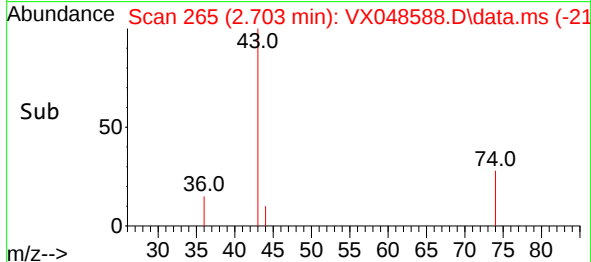
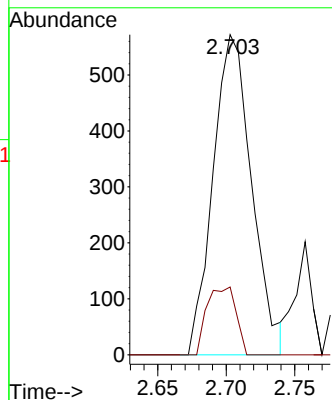
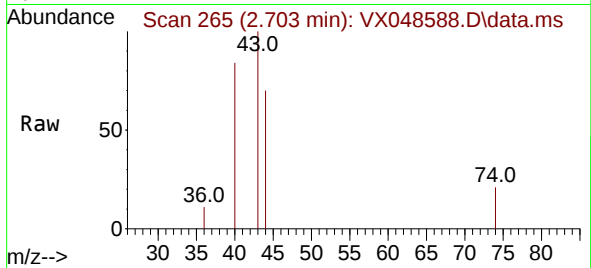




#18  
Methyl Acetate  
Concen: 0.347 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

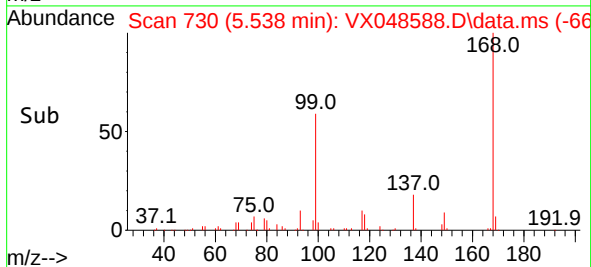
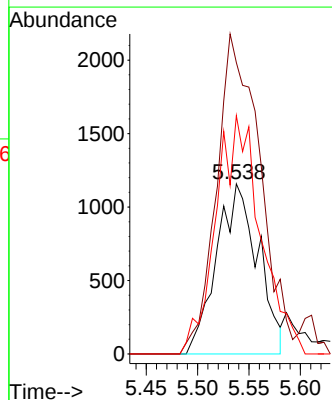
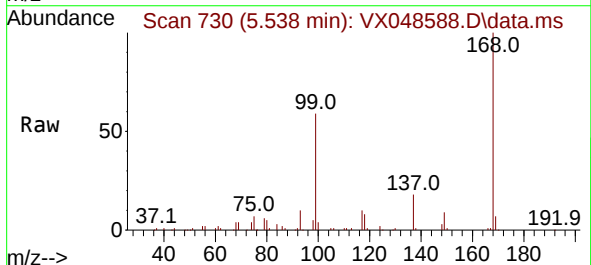
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

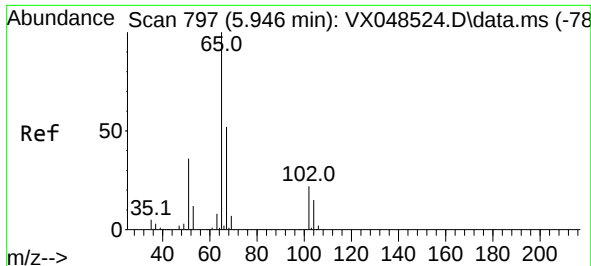
Tgt Ion: 43 Resp: 1123  
Ion Ratio Lower Upper  
43 100  
74 15.9 19.1 28.7#



#31  
Cyclohexane  
Concen: 0.974 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. 0.079 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 56 Resp: 3255  
Ion Ratio Lower Upper  
56 100  
69 171.2 23.4 35.2#  
84 140.1 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 55.278 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048588.D

Acq: 13 Nov 2025 11:54

Instrument :

MSVOA\_X

ClientSampleId :

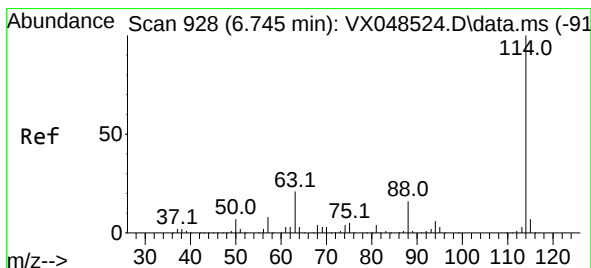
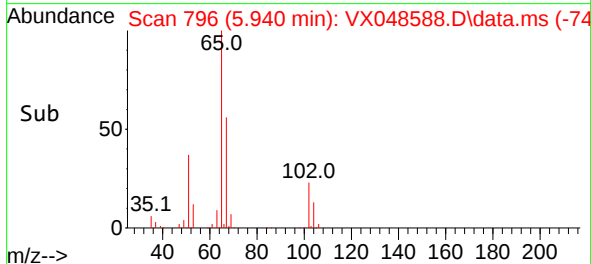
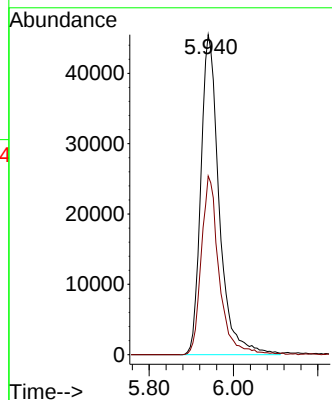
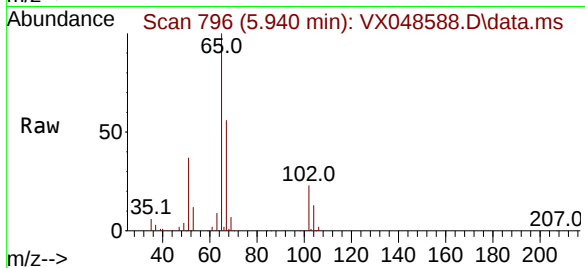
VX1113MBL01

Tgt Ion: 65 Resp: 137520

Ion Ratio Lower Upper

65 100

67 54.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048588.D

Acq: 13 Nov 2025 11:54

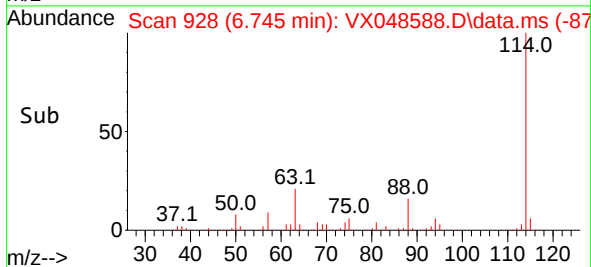
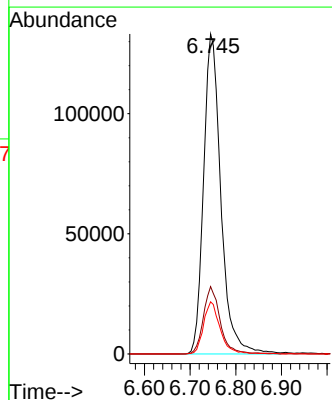
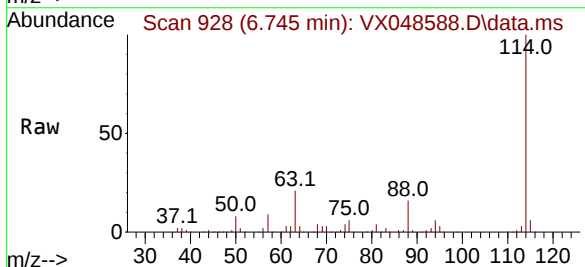
Tgt Ion: 114 Resp: 349889

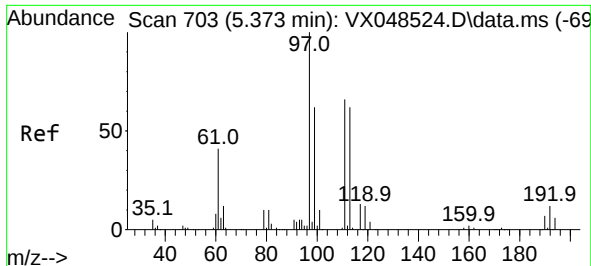
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.2

88 16.3 0.0 32.2

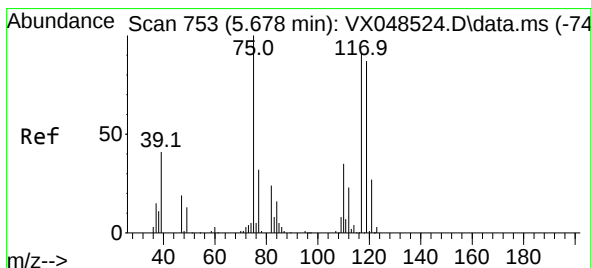
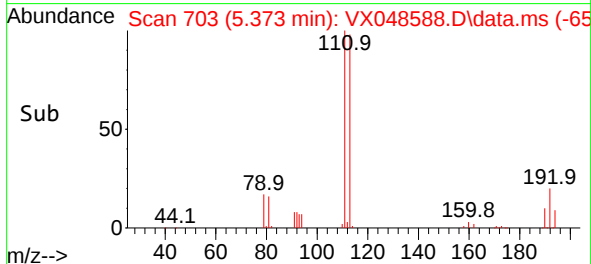
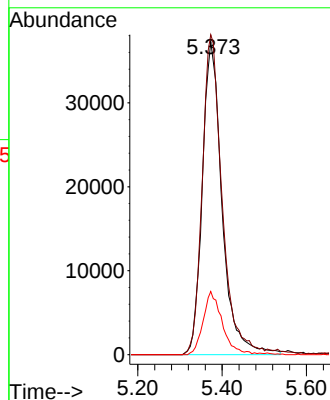
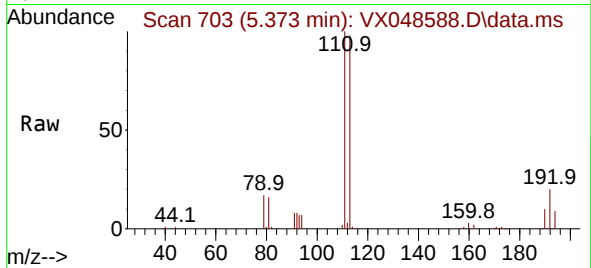




#35  
Dibromofluoromethane  
Concen: 45.958 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

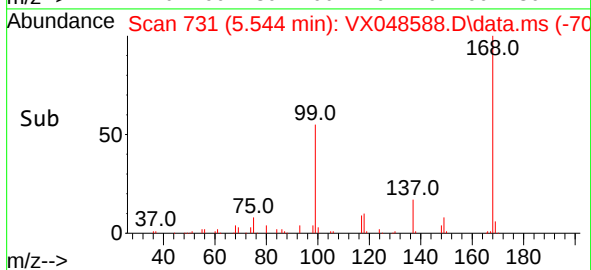
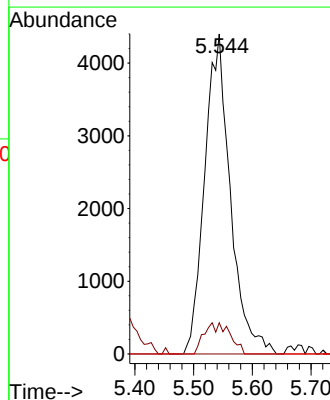
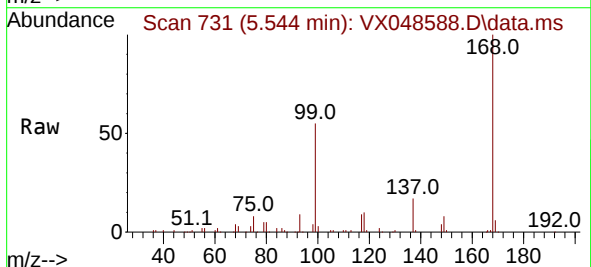
Instrument :  
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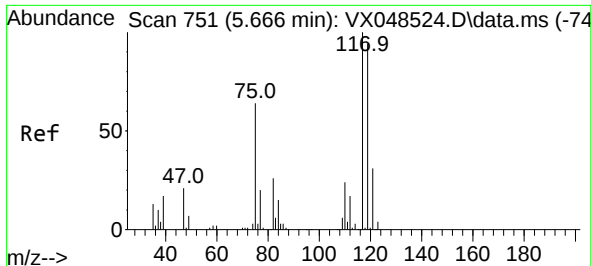
Tgt Ion:113 Resp: 121704  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 19.7 15.8 23.6



#36  
1,1-Dichloropropene  
Concen: 3.769 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.134 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 75 Resp: 13365  
Ion Ratio Lower Upper  
75 100  
110 4.8 18.4 55.4#  
77 0.0 24.6 37.0#

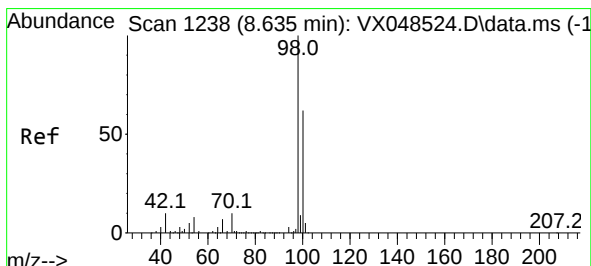
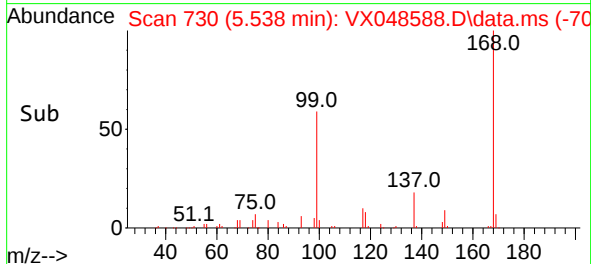
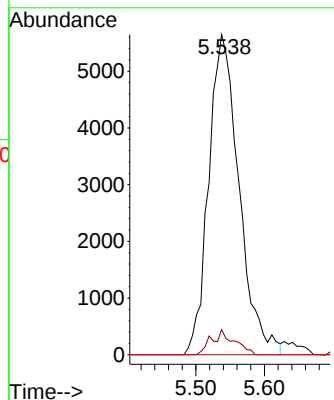
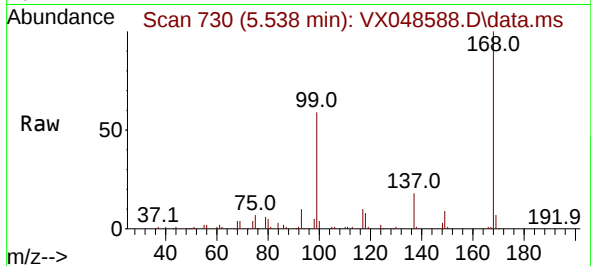




#38  
Carbon Tetrachloride  
Concen: 4.304 ug/l  
RT: 5.538 min Scan# 711  
Delta R.T. -0.128 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

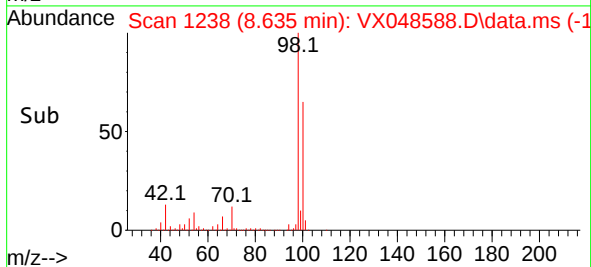
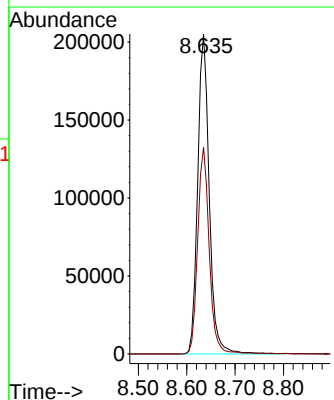
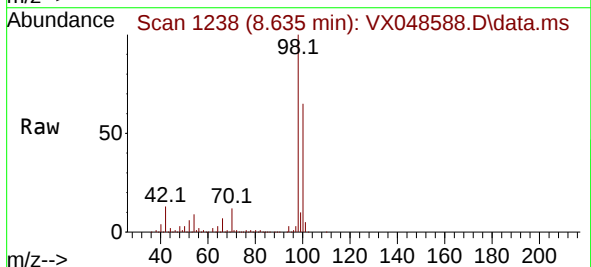
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

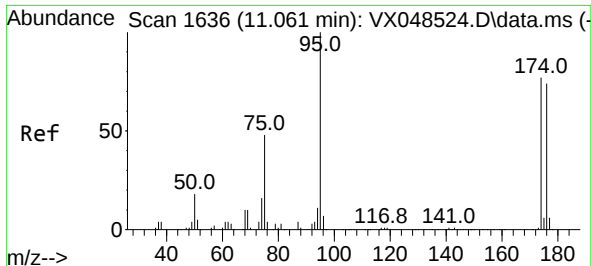
Tgt Ion:117 Resp: 17374  
Ion Ratio Lower Upper  
117 100  
119 7.9 74.5 111.7#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 41.068 ug/l  
RT: 8.635 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 98 Resp: 339191  
Ion Ratio Lower Upper  
98 100  
100 64.6 53.6 80.4





#62

4-Bromofluorobenzene

Concen: 47.513 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048588.D

Acq: 13 Nov 2025 11:54

Instrument :

MSVOA\_X

ClientSampleId :

VX1113MBL01

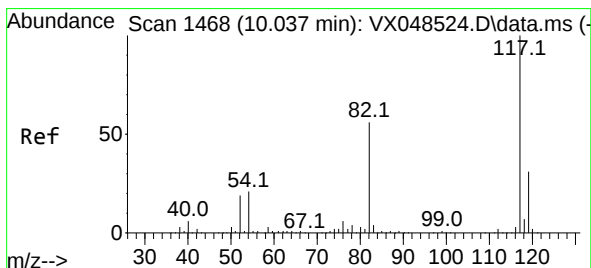
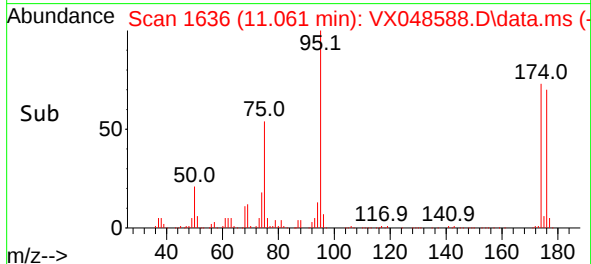
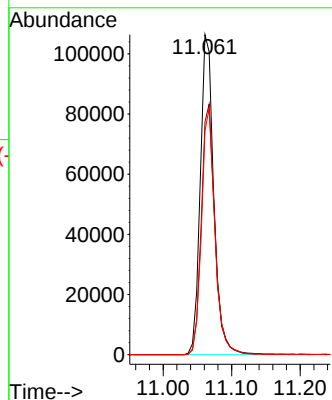
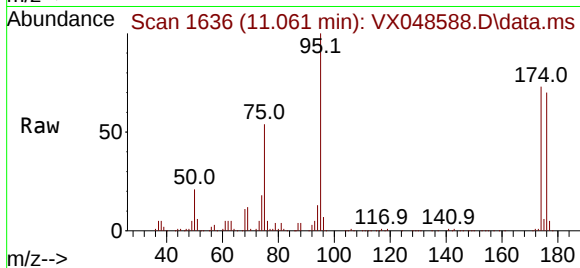
Tgt Ion: 95 Resp: 146244

Ion Ratio Lower Upper

95 100

174 79.1 0.0 161.8

176 76.2 0.0 153.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048588.D

Acq: 13 Nov 2025 11:54

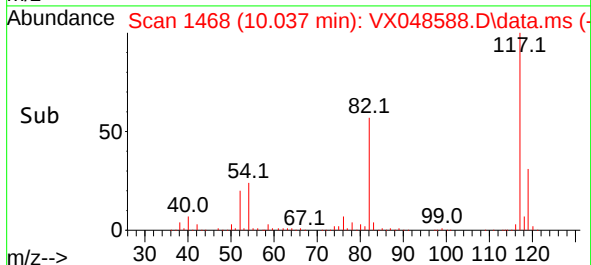
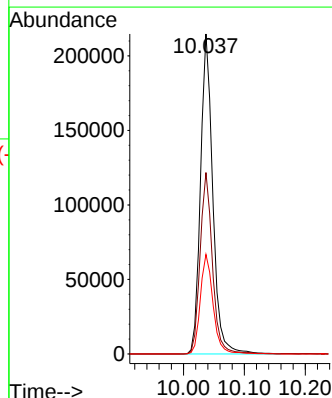
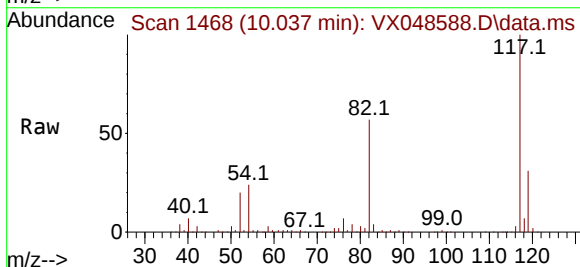
Tgt Ion: 117 Resp: 300483

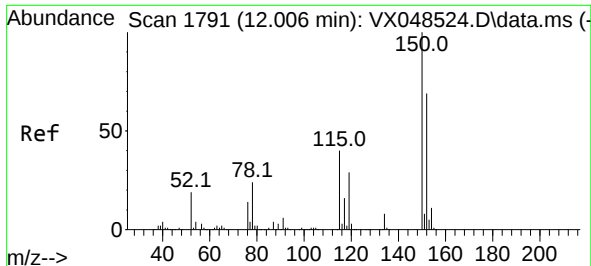
Ion Ratio Lower Upper

117 100

82 56.7 44.4 66.6

119 31.1 25.1 37.7

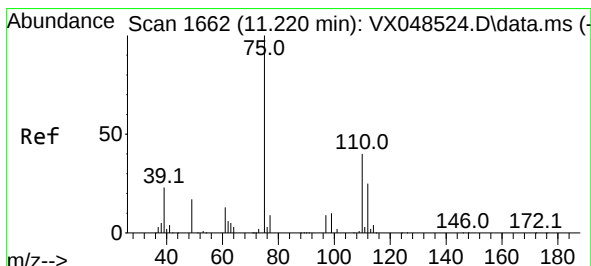
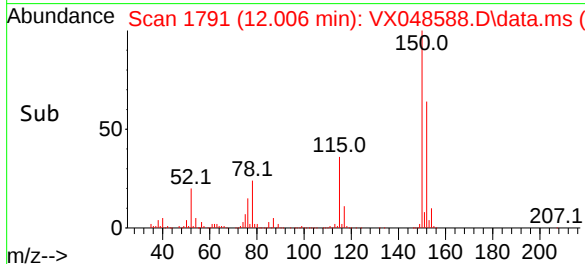
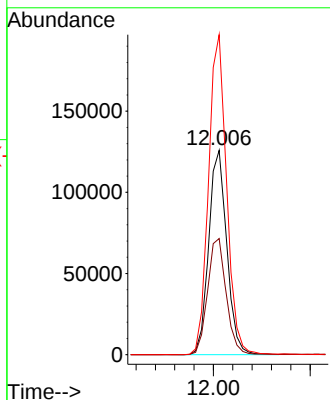
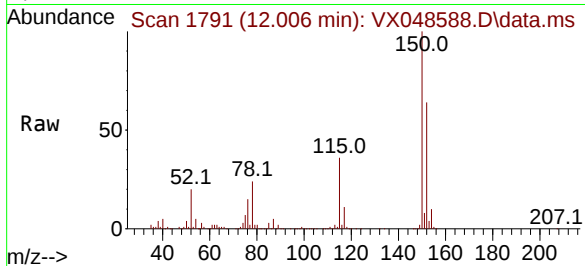




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

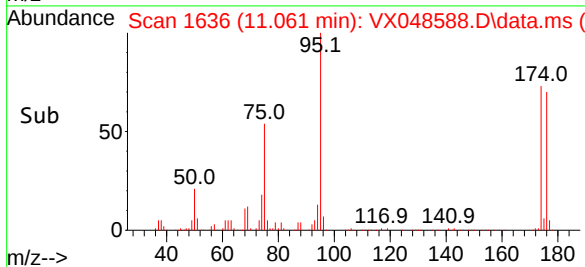
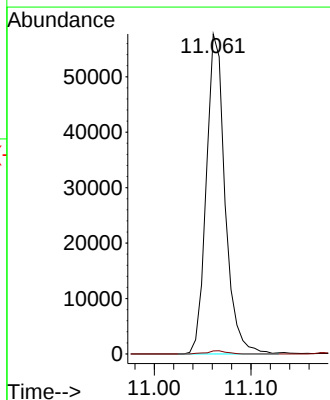
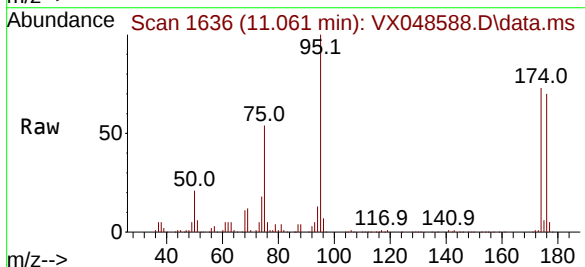
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

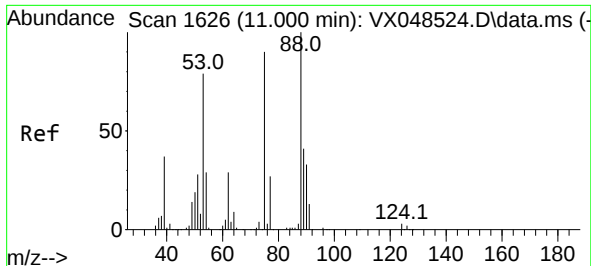
Tgt Ion:152 Resp: 163983  
Ion Ratio Lower Upper  
152 100  
115 58.6 39.2 117.6  
150 156.2 0.0 347.0



#76  
1,2,3-Trichloropropane  
Concen: 19.667 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.159 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 75 Resp: 77696  
Ion Ratio Lower Upper  
75 100  
77 1.0 24.3 72.8#

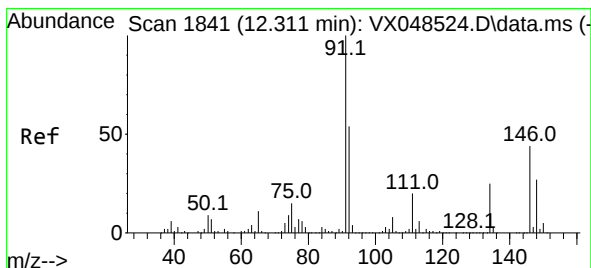
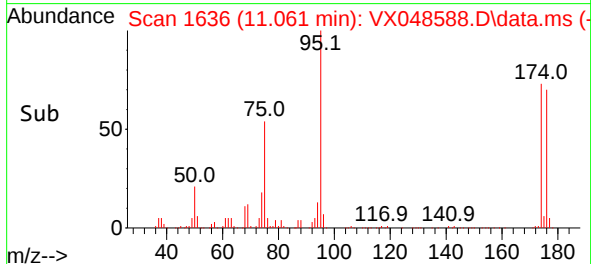
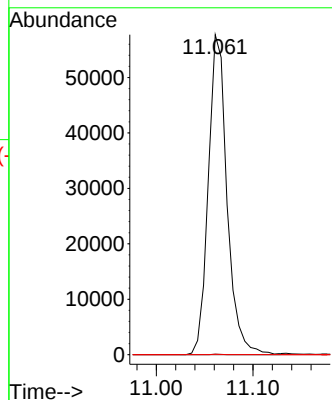
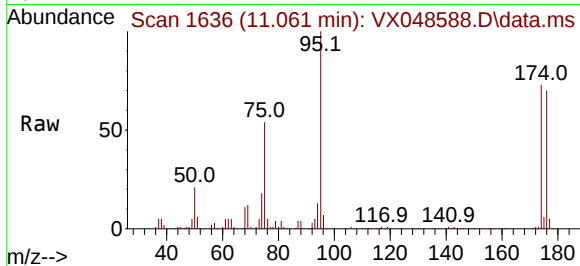




#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.254 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.061 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

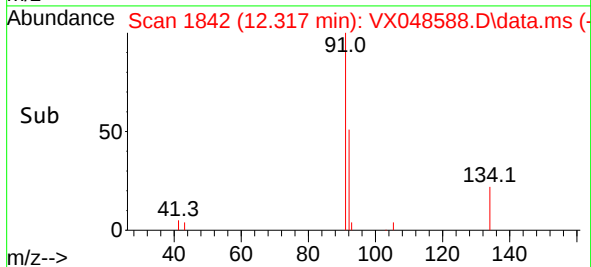
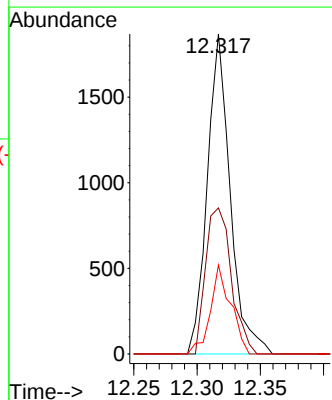
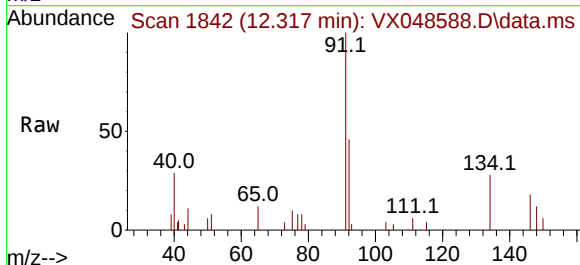
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1113MBL01

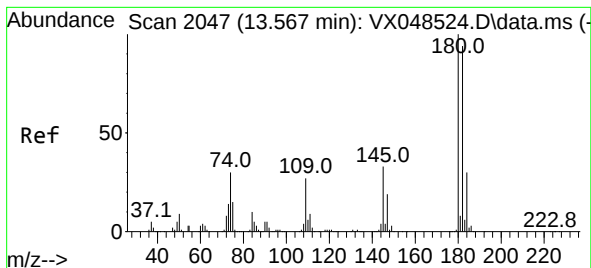
Tgt Ion: 75 Resp: 77696  
Ion Ratio Lower Upper  
75 100  
53 0.1 72.4 108.6#  
89 0.0 43.6 65.4#



#89  
n-Butylbenzene  
Concen: 0.241 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: VX048588.D  
Acq: 13 Nov 2025 11:54

Tgt Ion: 91 Resp: 2358  
Ion Ratio Lower Upper  
91 100  
92 51.3 27.2 81.5  
134 24.6 13.0 39.0





#93

1,2,4-Trichlorobenzene

Concen: 0.358 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048588.D

Acq: 13 Nov 2025 11:54

Instrument :

MSVOA\_X

ClientSampleId :

VX1113MBL01

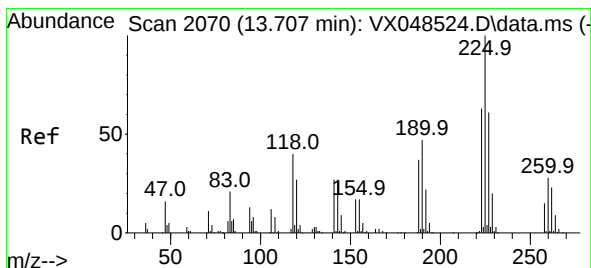
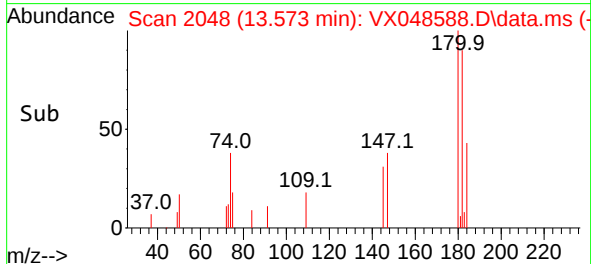
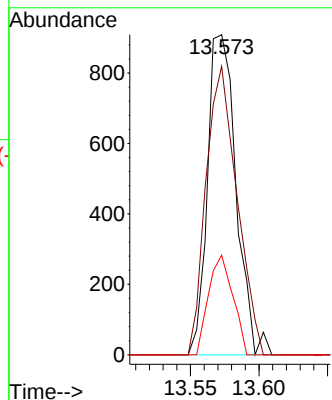
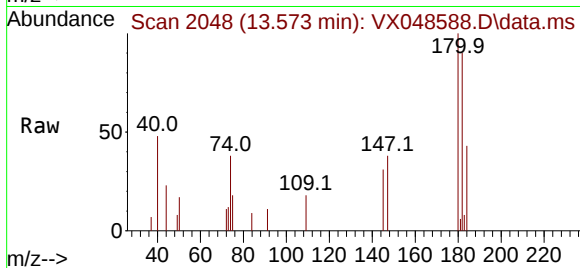
Tgt Ion:180 Resp: 1315

Ion Ratio Lower Upper

180 100

182 97.7 47.5 142.6

145 26.5 15.9 47.7



#94

Hexachlorobutadiene

Concen: 0.532 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048588.D

Acq: 13 Nov 2025 11:54

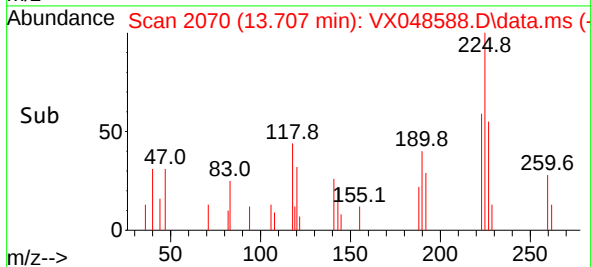
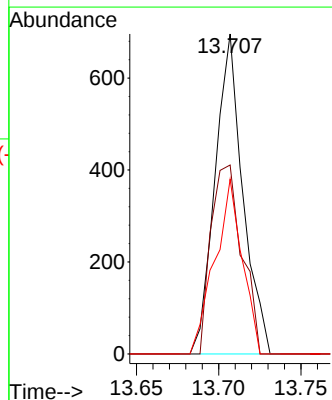
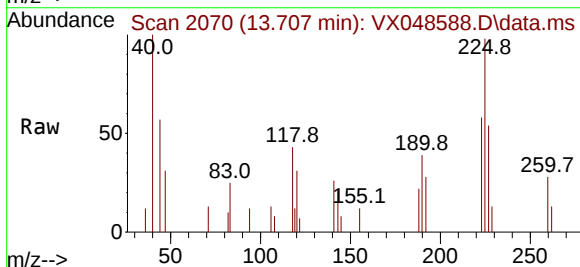
Tgt Ion:225 Resp: 818

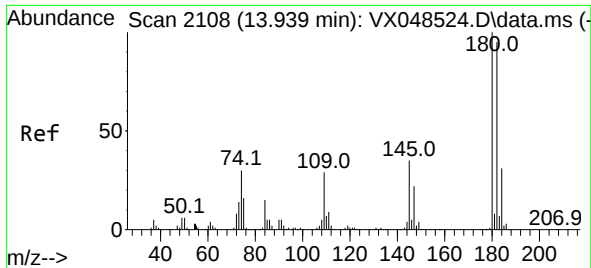
Ion Ratio Lower Upper

225 100

223 65.6 30.6 92.0

227 53.9 32.5 97.4





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.281 ug/l  
 RT: 13.945 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VX048588.D  
 Acq: 13 Nov 2025 11:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1113MBL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 960   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 91.1  | 47.3  | 142.0 |
| 145      | 30.5  | 16.7  | 50.0  |

