

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051325\  
 Data File : VX046168.D  
 Acq On : 13 May 2025 15:58  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: May 14 01:42:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

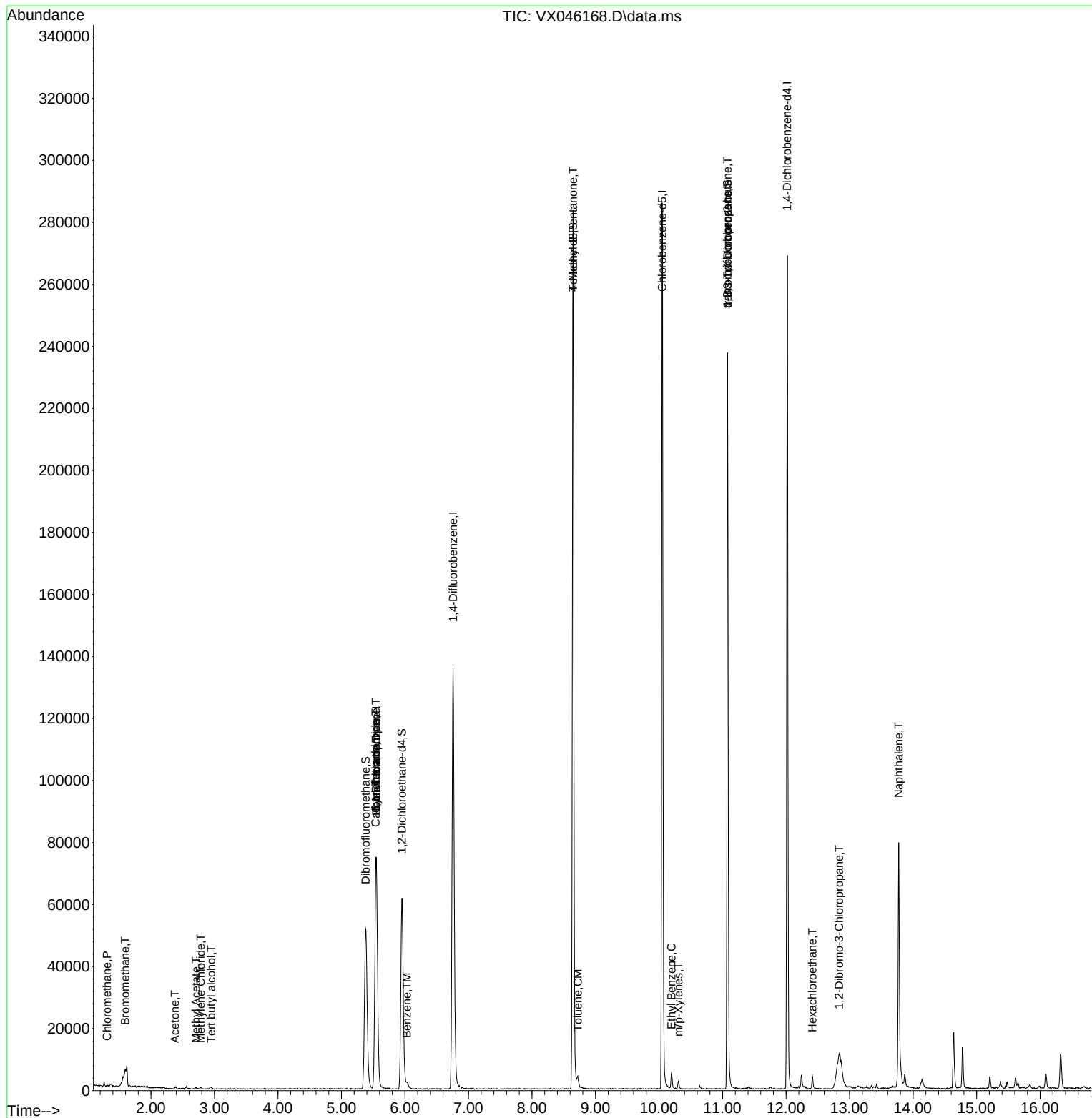
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 66551               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 130013              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049         | 117  | 120202              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 50468               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 62755               | 50.579 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 101.160% |        |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 45990               | 49.122 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 98.240%  |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 161223              | 49.754 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 99.500%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 61213               | 49.247 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 98.500%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 3) Chloromethane              | 1.307          | 50   | 489                 | 0.495  | ug/l   | 95       |
| 5) Bromomethane               | 1.593          | 94   | 87                  | 0.204  | ug/l # | 4        |
| 11) Tert butyl alcohol        | 2.946          | 59   | 247                 | 1.418  | ug/l # | 72       |
| 16) Acetone                   | 2.380          | 43   | 748                 | 1.504  | ug/l   | 97       |
| 18) Methyl Acetate            | 2.709          | 43   | 628                 | 0.544  | ug/l # | 63       |
| 20) Methylene Chloride        | 2.782          | 84   | 237                 | 0.249  | ug/l # | 57       |
| 31) Cyclohexane               | 5.544          | 56   | 1872                | 1.266  | ug/l # | 43       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 6567                | 5.221  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.537          | 117  | 7840                | 5.547  | ug/l # | 17       |
| 40) Benzene                   | 6.031          | 78   | 1745                | 0.474  | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 893                 | 0.567  | ug/l # | 1        |
| 52) Toluene                   | 8.720          | 92   | 1193                | 0.528  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195         | 91   | 3380                | 0.729  | ug/l # | 86       |
| 68) m/p-Xylenes               | 10.305         | 106  | 781                 | 0.460  | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 36200               | 29.799 | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 36200               | 97.017 | ug/l # | 1        |
| 90) Hexachloroethane          | 12.414         | 117  | 158                 | 0.268  | ug/l # | 19       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.835         | 75   | 135                 | 0.443  | ug/l # | 10       |
| 95) Naphthalene               | 13.774         | 128  | 55233               | 15.695 | ug/l   | 99       |
| -----                         |                |      |                     |        |        |          |

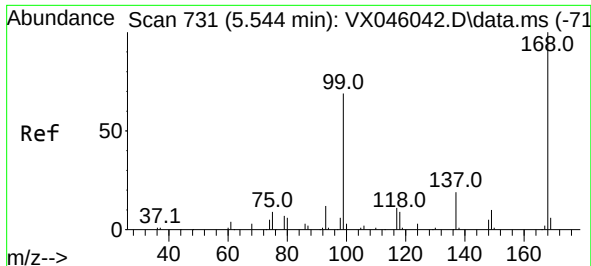
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration

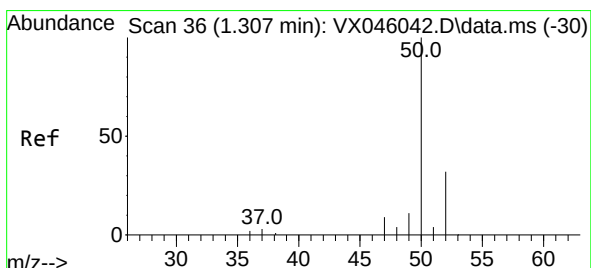
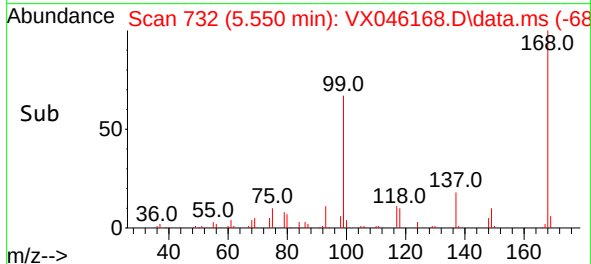
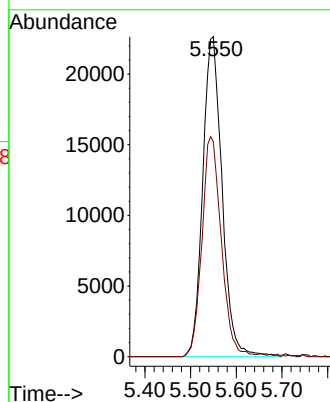
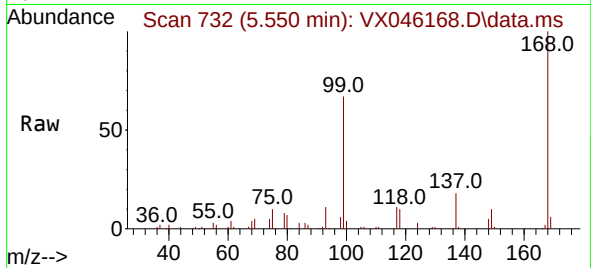




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

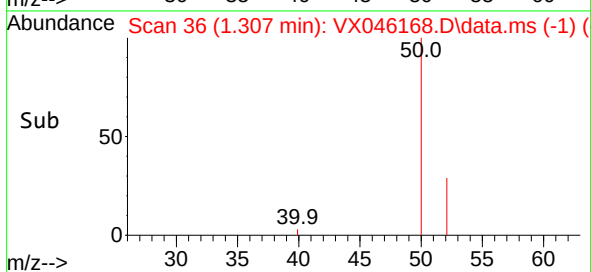
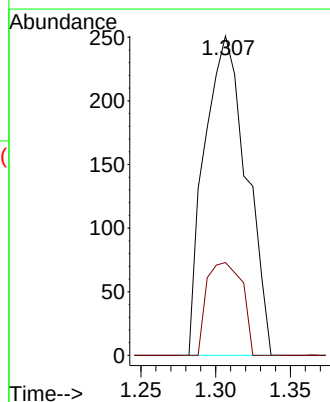
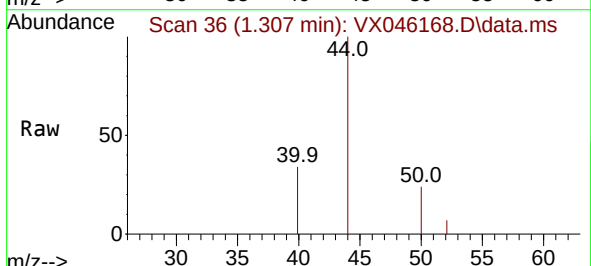
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

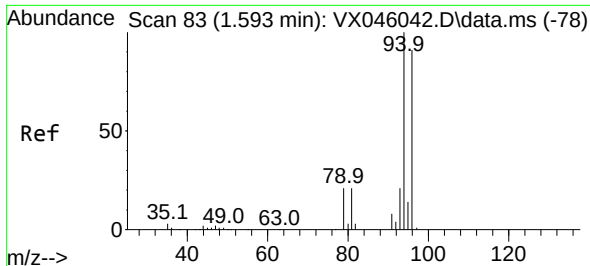
Tgt Ion:168 Resp: 66551  
Ion Ratio Lower Upper  
168 100  
99 67.2 54.9 82.3



#3  
Chloromethane  
Concen: 0.495 ug/l  
RT: 1.307 min Scan# 36  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 50 Resp: 489  
Ion Ratio Lower Upper  
50 100  
52 29.1 25.4 38.2

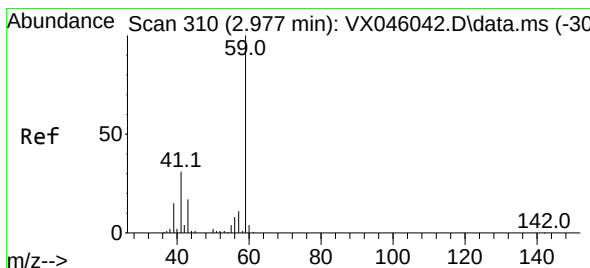
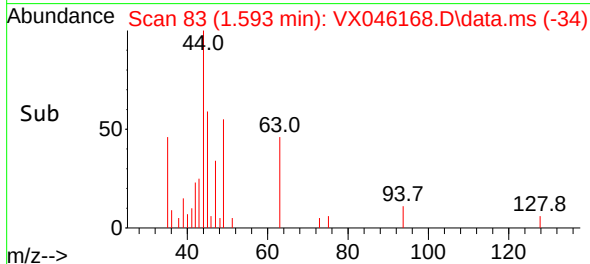
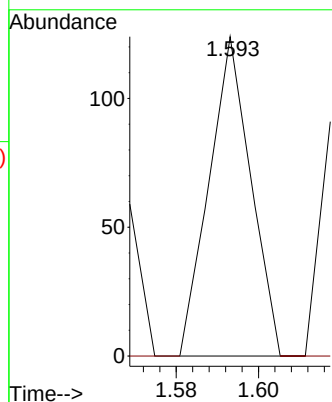
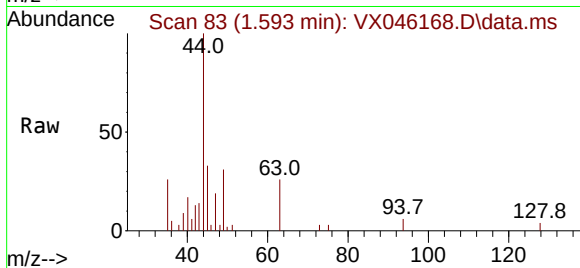




#5  
Bromomethane  
Concen: 0.204 ug/l  
RT: 1.593 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

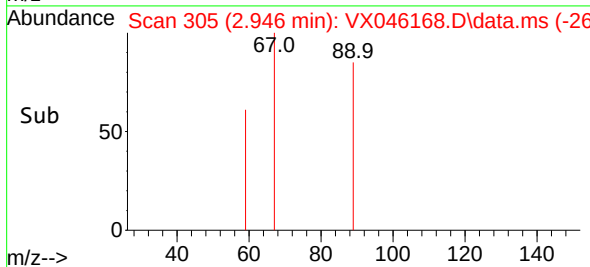
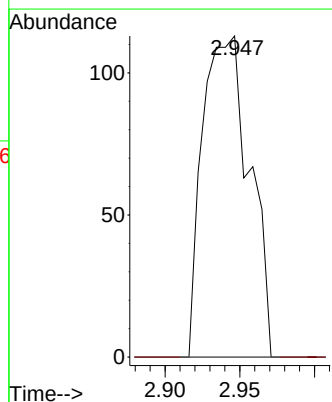
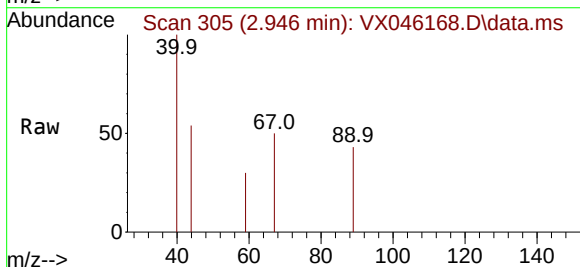
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

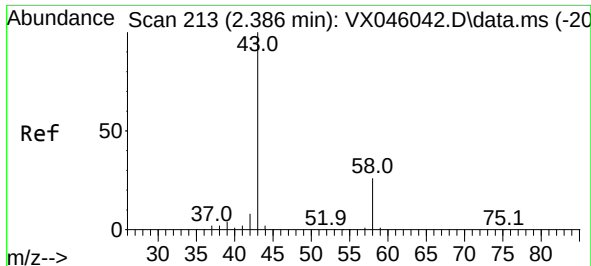
Tgt Ion: 94 Resp: 87  
Ion Ratio Lower Upper  
94 100  
96 0.0 72.8 109.2#



#11  
Tert butyl alcohol  
Concen: 1.418 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.031 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 59 Resp: 247  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

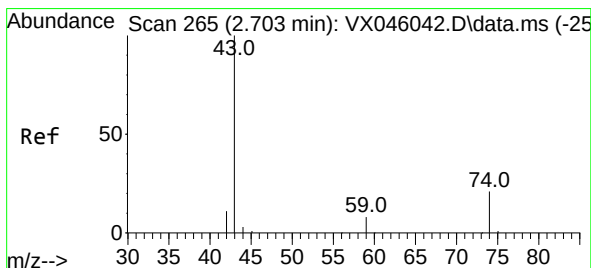
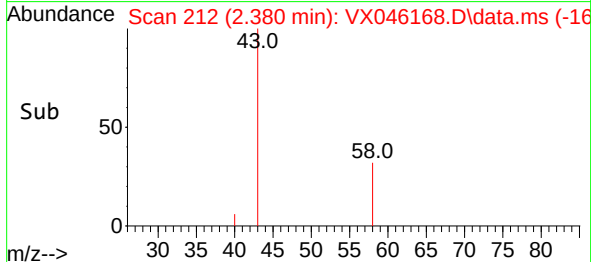
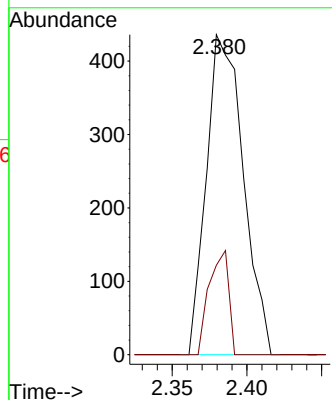
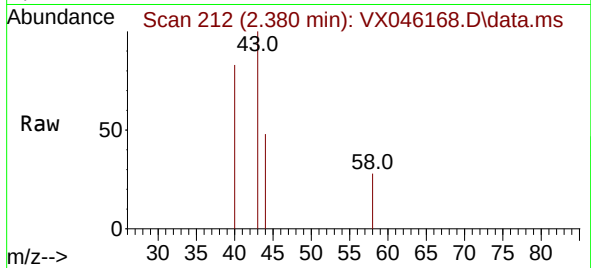




#16  
Acetone  
Concen: 1.504 ug/l  
RT: 2.380 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

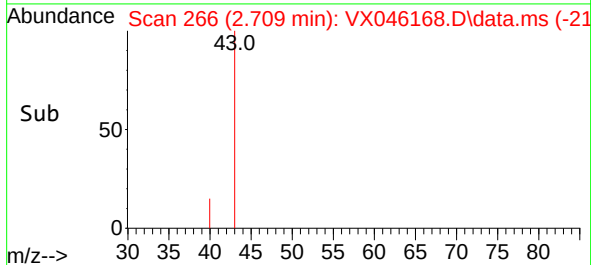
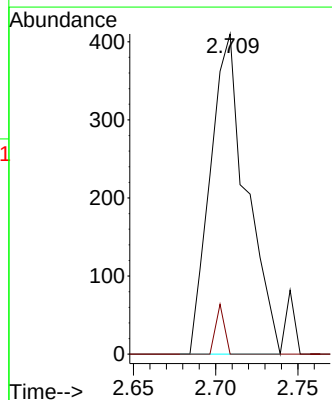
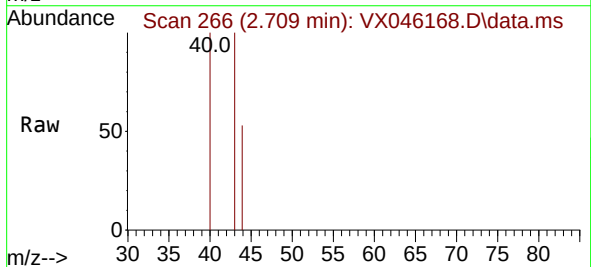
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

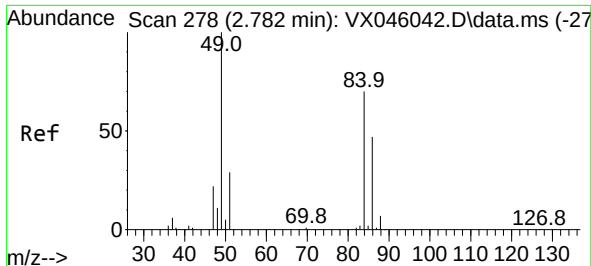
Tgt Ion: 43 Resp: 748  
Ion Ratio Lower Upper  
43 100  
58 28.0 21.2 31.8



#18  
Methyl Acetate  
Concen: 0.544 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 43 Resp: 628  
Ion Ratio Lower Upper  
43 100  
74 3.7 16.7 25.1#

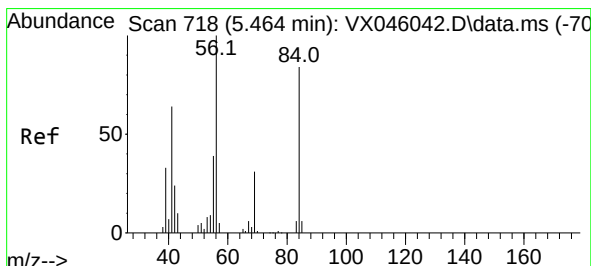
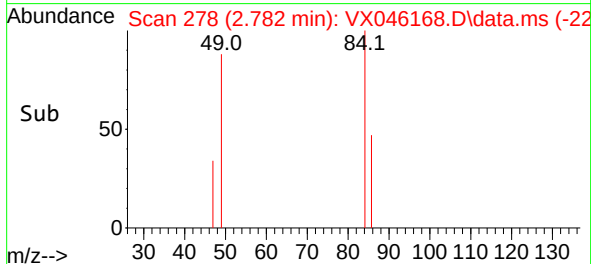
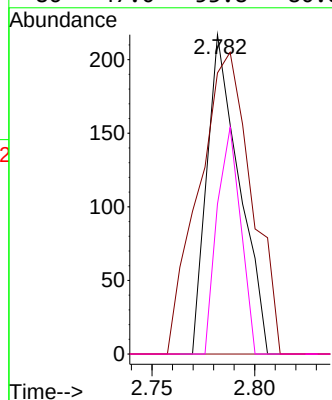
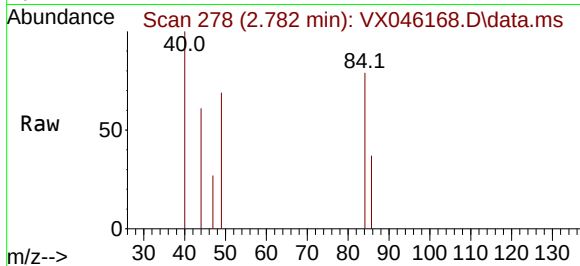




#20  
Methylene Chloride  
Concen: 0.249 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

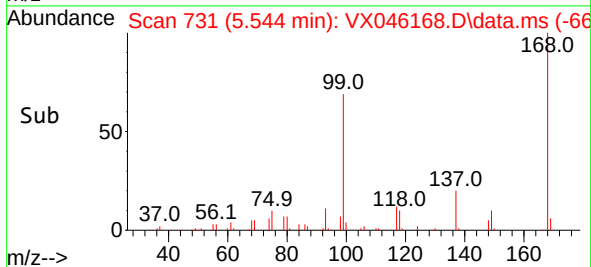
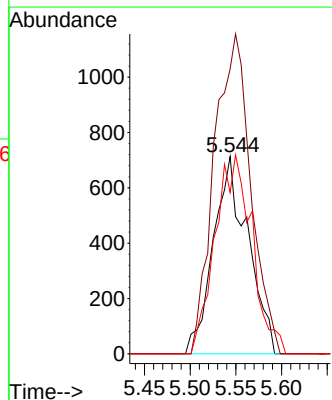
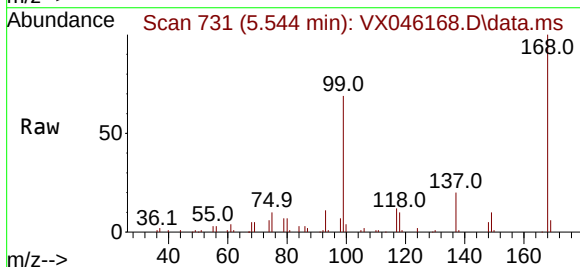
Instrument :  
MSVOA\_X  
ClientSampleId :  
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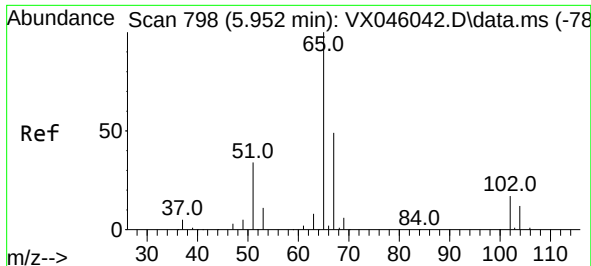
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 237    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 88.0  | 113.9 | 170.9# |
| 51       | 0.0   | 33.5  | 50.3#  |
| 86       | 47.0  | 53.8  | 80.8#  |



#31  
Cyclohexane  
Concen: 1.266 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1872  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 144.3 | 24.4  | 36.6# |
| 84       | 81.8  | 66.9  | 100.3 |





#33

1,2-Dichloroethane-d4

Concen: 50.579 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046168.D

Acq: 13 May 2025 15:58

Instrument :

MSVOA\_X

ClientSampleId :

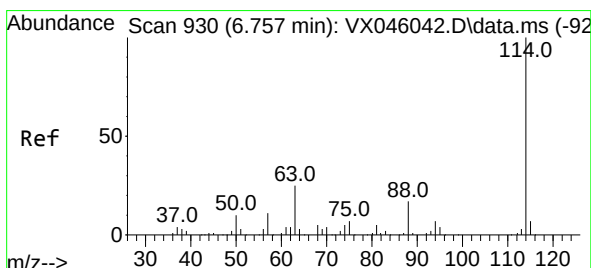
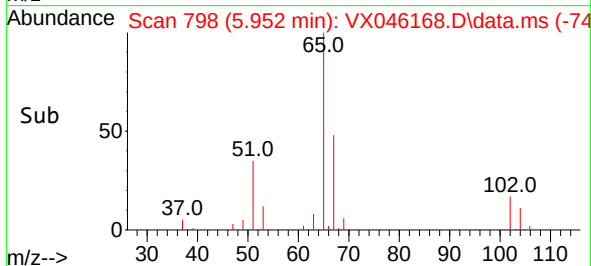
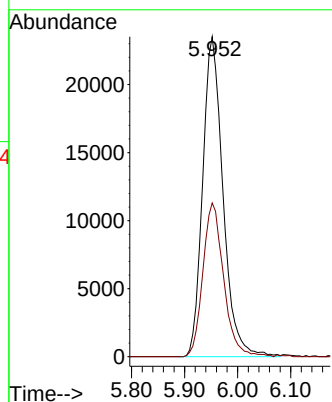
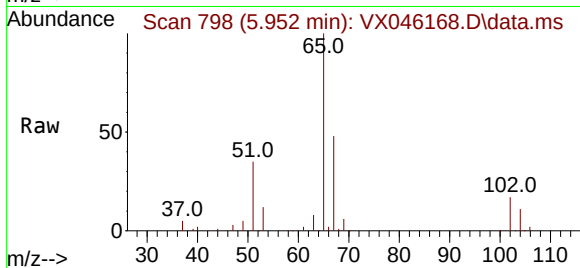
IBLK

Tgt Ion: 65 Resp: 62755

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046168.D

Acq: 13 May 2025 15:58

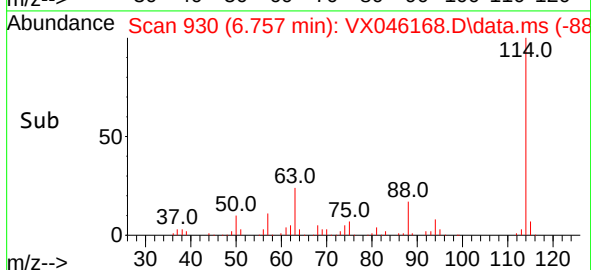
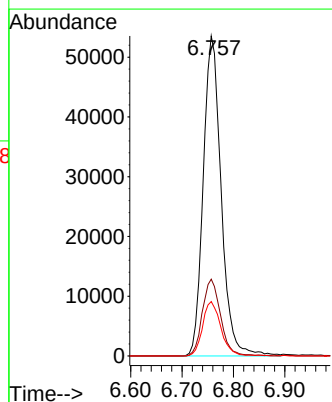
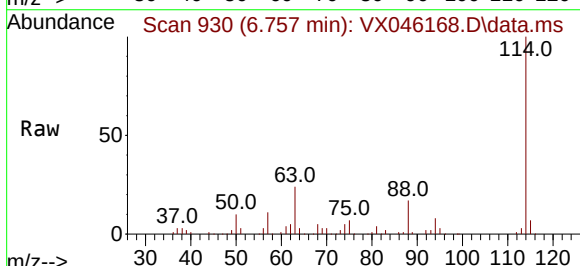
Tgt Ion: 114 Resp: 130013

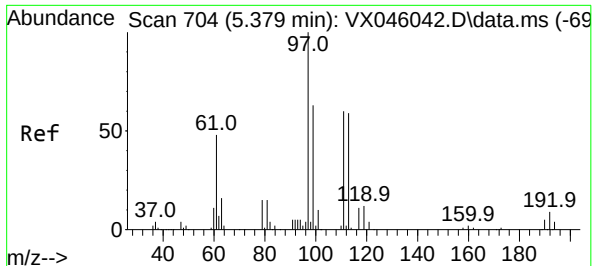
Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 17.0 0.0 33.6

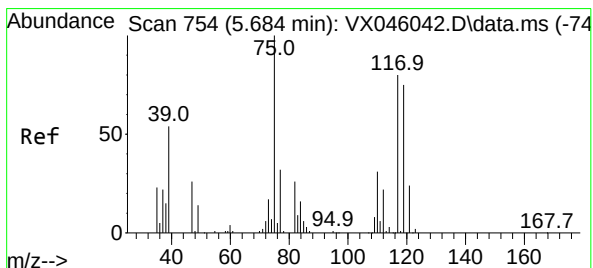
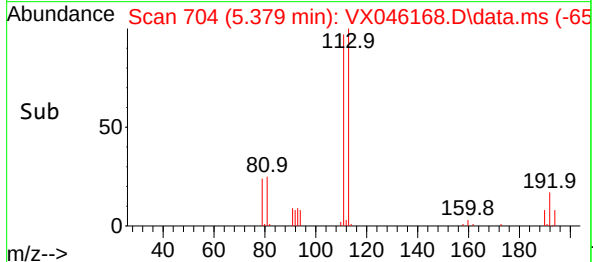
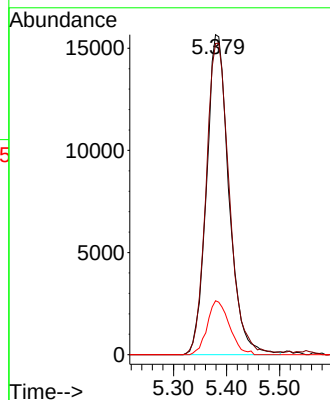
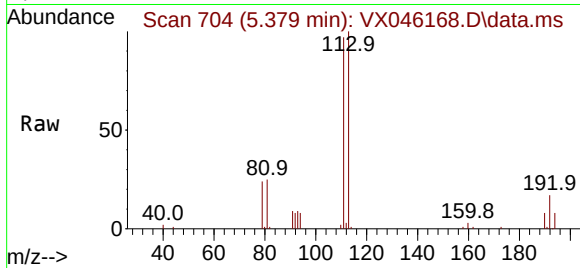




#35  
 Dibromofluoromethane  
 Concen: 49.122 ug/l  
 RT: 5.379 min Scan# 704  
 Delta R.T. -0.000 min  
 Lab File: VX046168.D  
 Acq: 13 May 2025 15:58

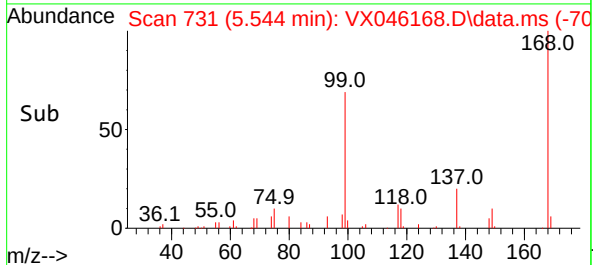
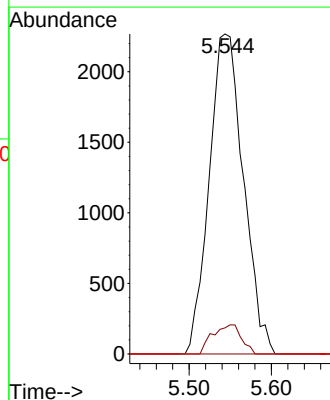
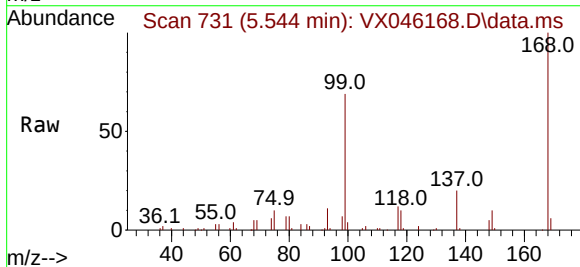
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Tgt Ion:113 Resp: 45990  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 83.1 124.7  
 192 16.6 13.3 19.9

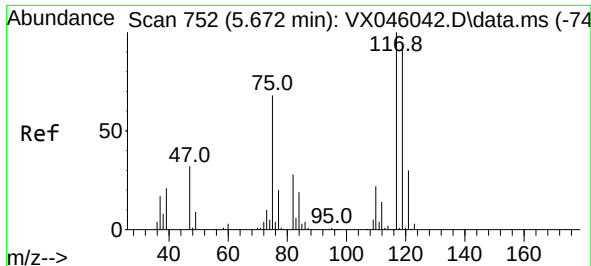


#36  
 1,1-Dichloropropene  
 Concen: 5.221 ug/l  
 RT: 5.544 min Scan# 731  
 Delta R.T. -0.140 min  
 Lab File: VX046168.D  
 Acq: 13 May 2025 15:58

Tgt Ion: 75 Resp: 6567  
 Ion Ratio Lower Upper  
 75 100  
 110 7.7 16.3 48.9#  
 77 0.0 24.3 36.5#

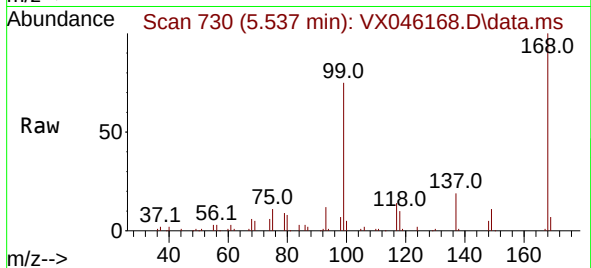




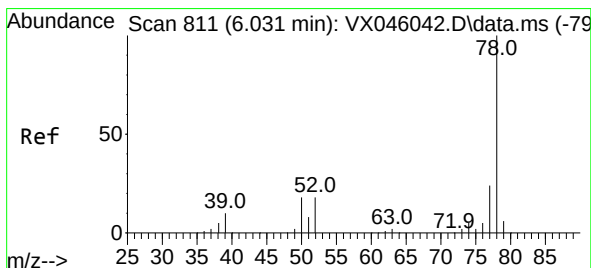
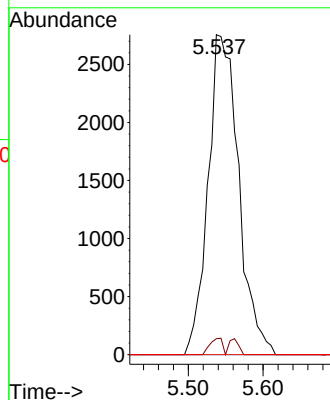
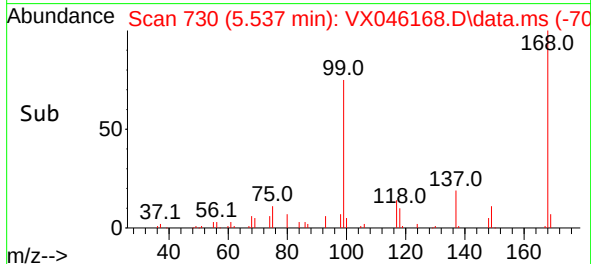


#38  
Carbon Tetrachloride  
Concen: 5.547 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

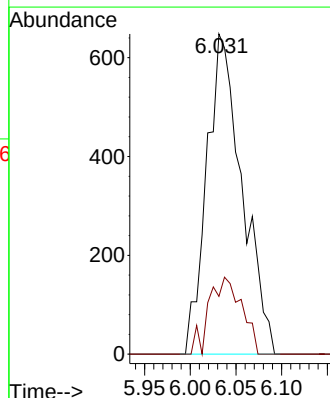
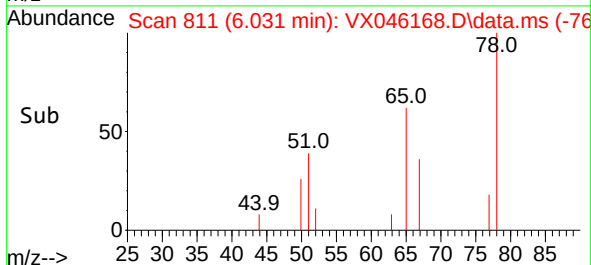
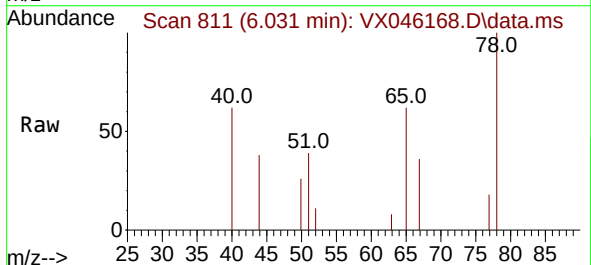


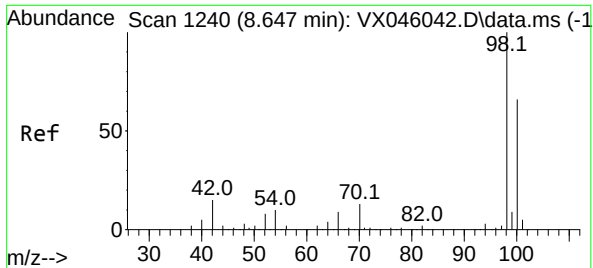
Tgt Ion:117 Resp: 7840  
Ion Ratio Lower Upper  
117 100  
119 5.0 75.2 112.8#  
121 0.0 24.2 36.4#



#40  
Benzene  
Concen: 0.474 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 78 Resp: 1745  
Ion Ratio Lower Upper  
78 100  
77 18.1 19.0 28.4#

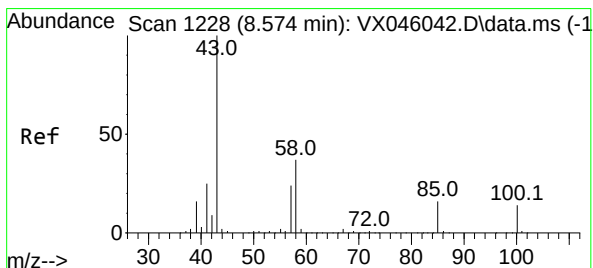
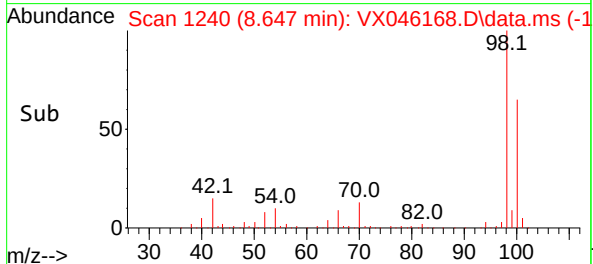
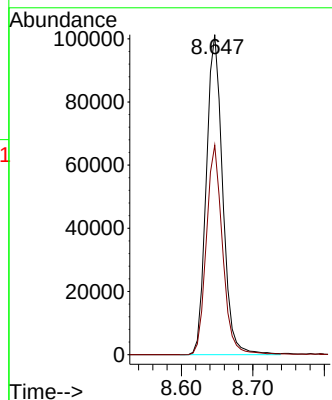
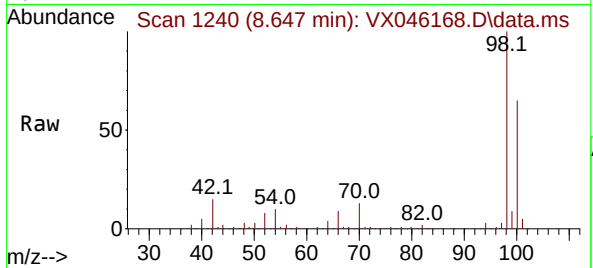




#50  
Toluene-d8  
Concen: 49.754 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

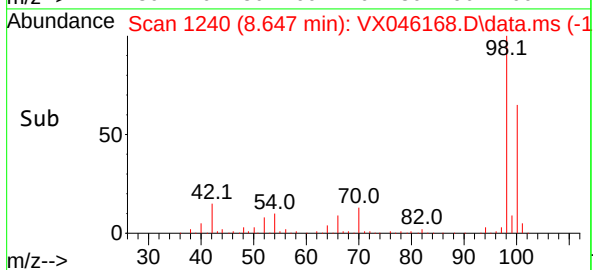
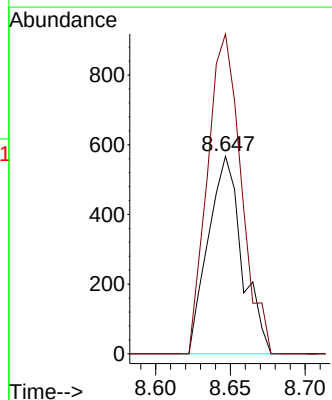
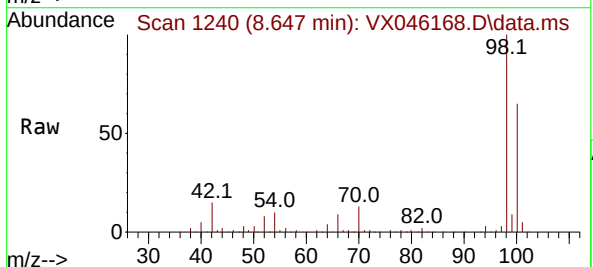
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

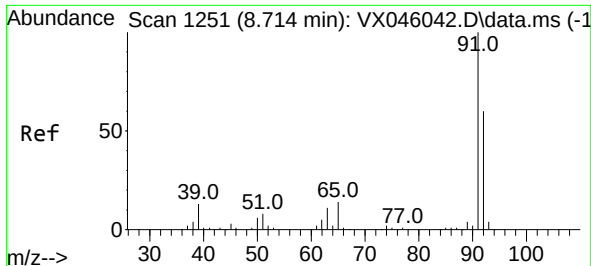
Tgt Ion: 98 Resp: 161223  
Ion Ratio Lower Upper  
98 100  
100 65.1 53.5 80.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.567 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 43 Resp: 893  
Ion Ratio Lower Upper  
43 100  
58 161.4 28.9 43.3#

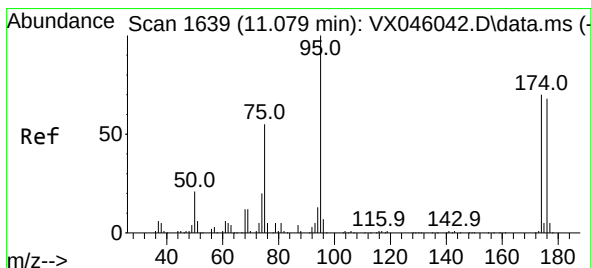
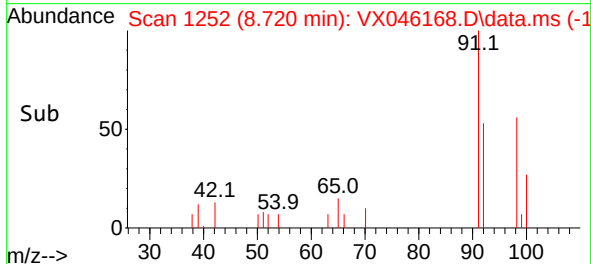
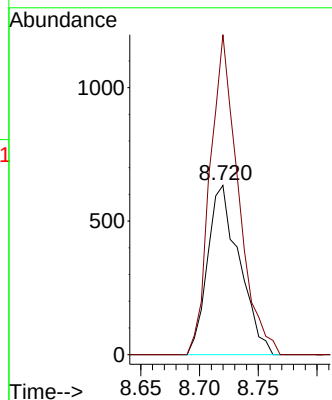
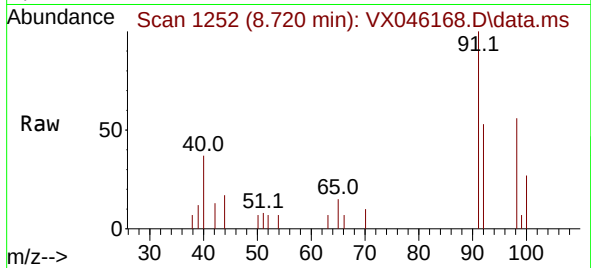




#52  
Toluene  
Concen: 0.528 ug/l  
RT: 8.720 min Scan# 1193  
Delta R.T. 0.006 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

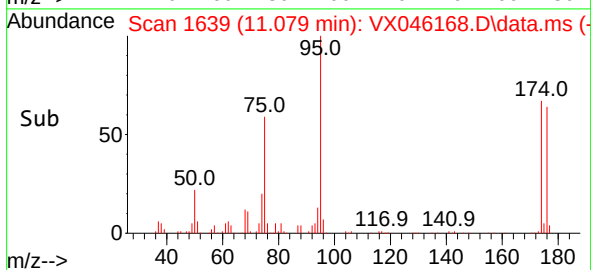
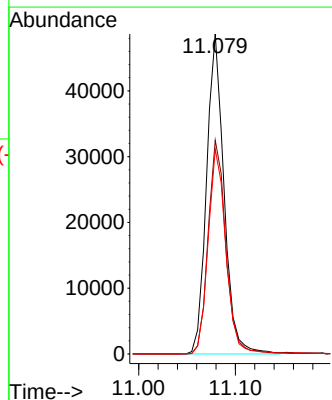
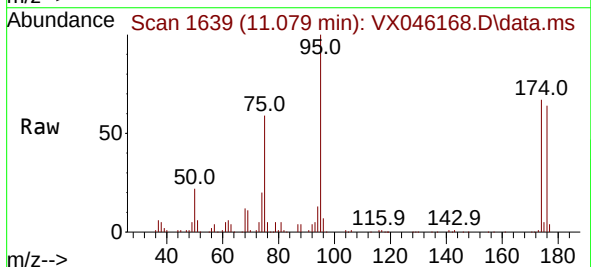
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

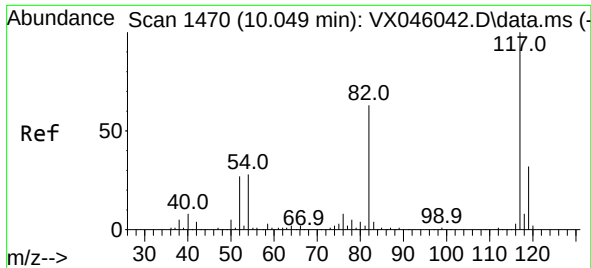
Tgt Ion: 92 Resp: 1193  
Ion Ratio Lower Upper  
92 100  
91 167.9 136.6 205.0



#62  
4-Bromofluorobenzene  
Concen: 49.247 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 95 Resp: 61213  
Ion Ratio Lower Upper  
95 100  
174 67.8 0.0 135.8  
176 65.0 0.0 131.4

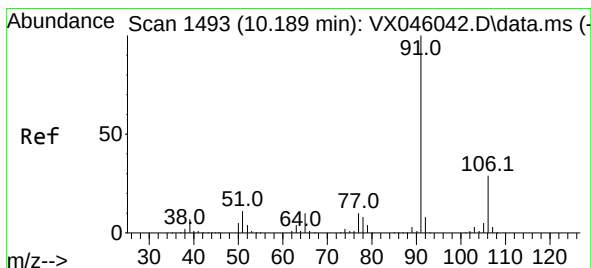
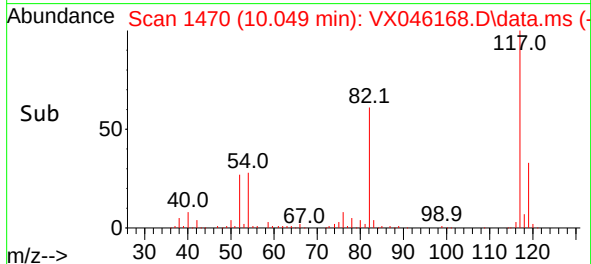
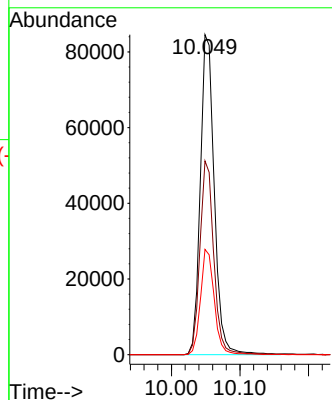
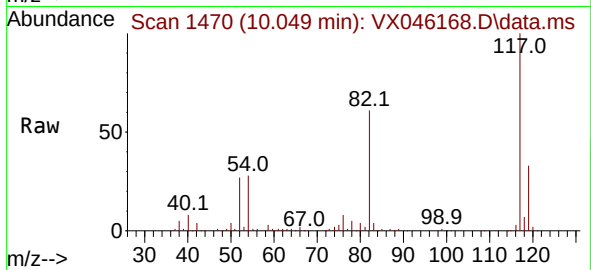




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

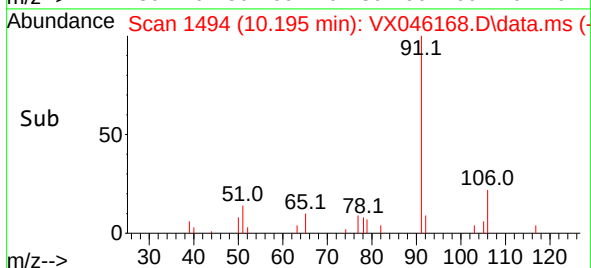
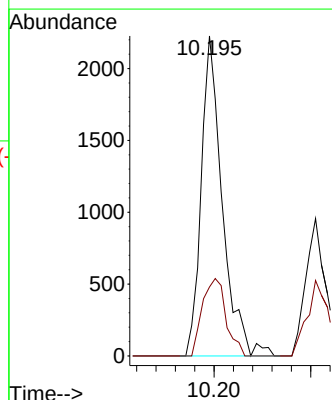
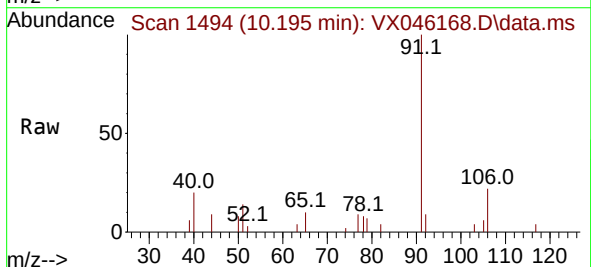
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

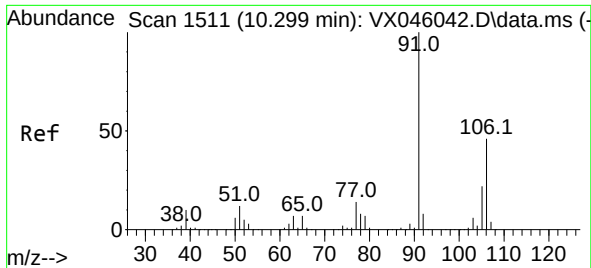
Tgt Ion:117 Resp: 120202  
Ion Ratio Lower Upper  
117 100  
82 60.5 50.6 76.0  
119 32.9 25.8 38.6



#67  
Ethyl Benzene  
Concen: 0.729 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 91 Resp: 3380  
Ion Ratio Lower Upper  
91 100  
106 21.6 23.4 35.2#

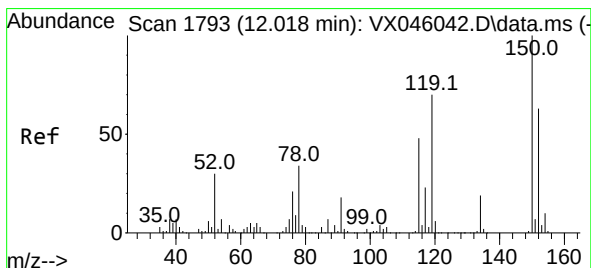
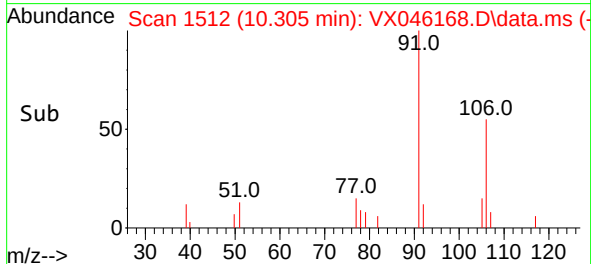
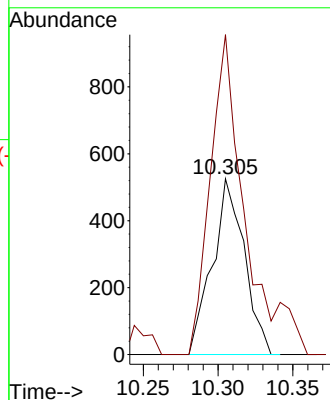
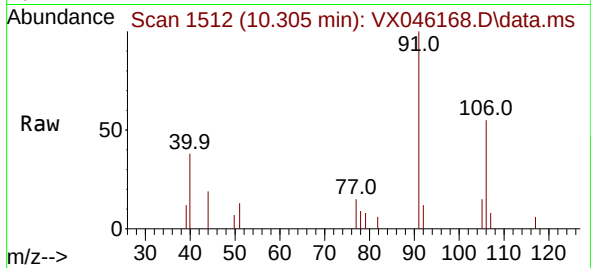




#68  
m/p-Xylenes  
Concen: 0.460 ug/l  
RT: 10.305 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

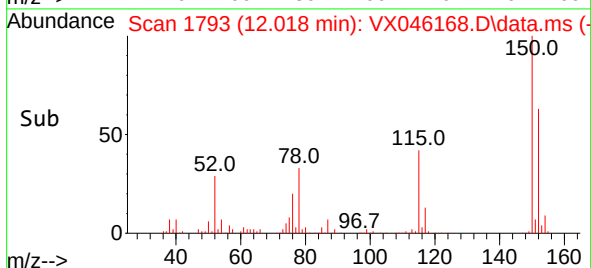
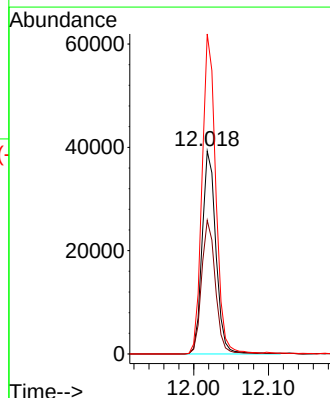
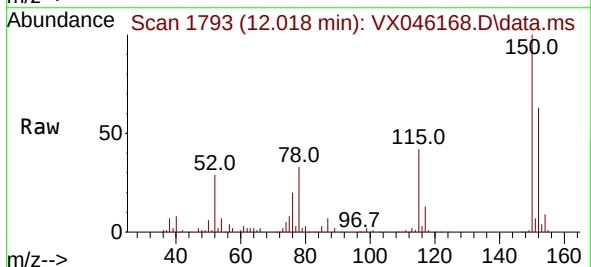
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

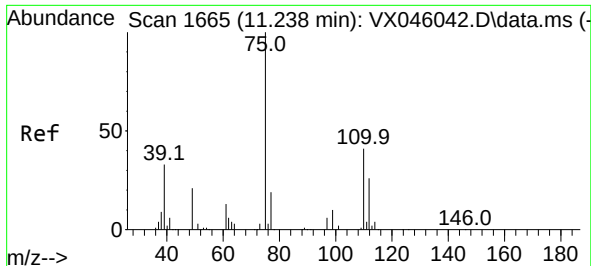
Tgt Ion:106 Resp: 781  
Ion Ratio Lower Upper  
106 100  
91 198.1 171.2 256.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion:152 Resp: 50468  
Ion Ratio Lower Upper  
152 100  
115 65.6 46.9 140.7  
150 156.1 0.0 351.0

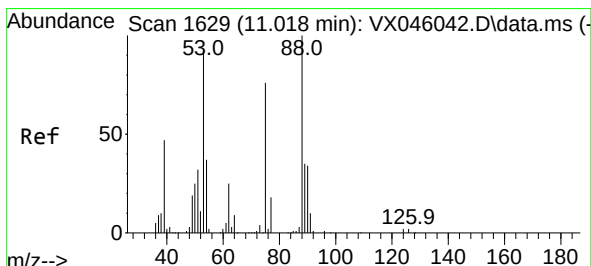
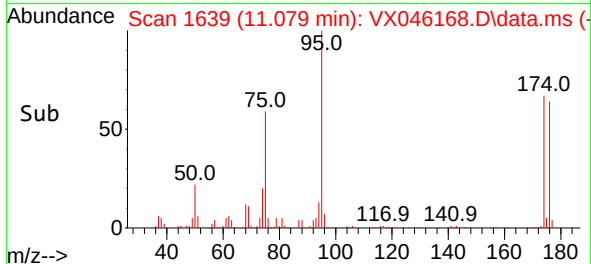
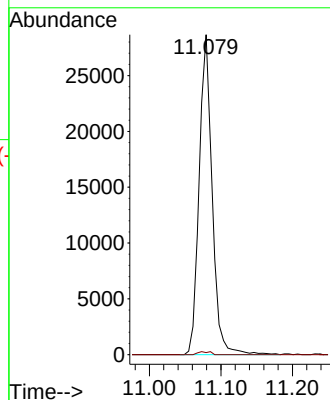
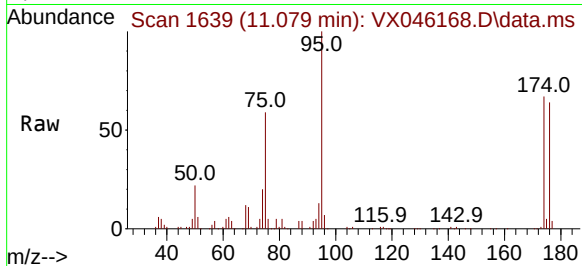




#76  
1,2,3-Trichloropropane  
Concen: 29.799 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

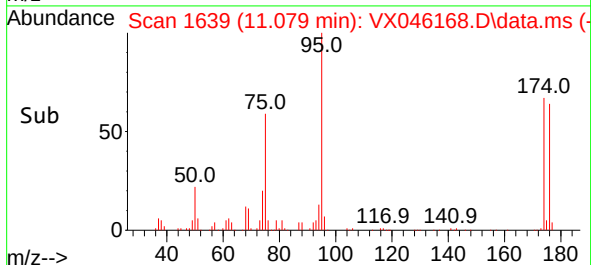
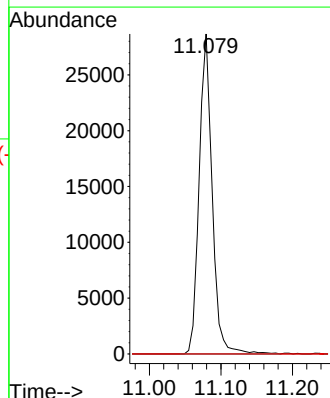
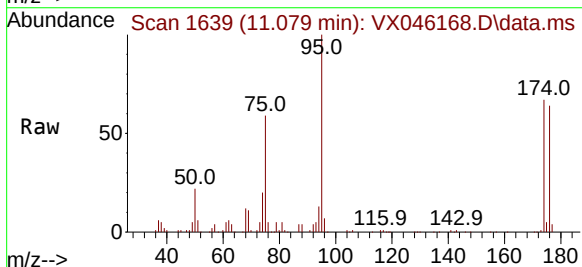
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

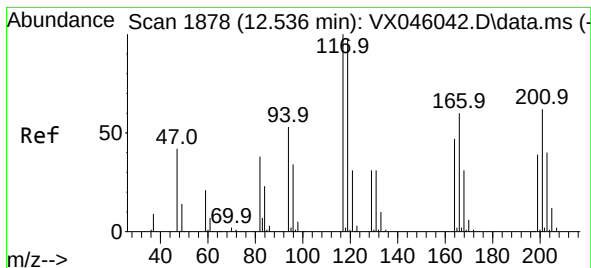
Tgt Ion: 75 Resp: 36200  
Ion Ratio Lower Upper  
75 100  
77 0.9 20.5 61.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.017 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX046168.D  
Acq: 13 May 2025 15:58

Tgt Ion: 75 Resp: 36200  
Ion Ratio Lower Upper  
75 100  
53 0.0 100.5 150.7#  
89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 0.268 ug/l

RT: 12.414 min Scan# 117

Delta R.T. -0.122 min

Lab File: VX046168.D

Acq: 13 May 2025 15:58

Instrument :

MSVOA\_X

ClientSampleId :

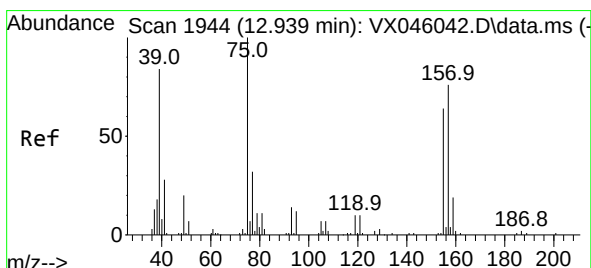
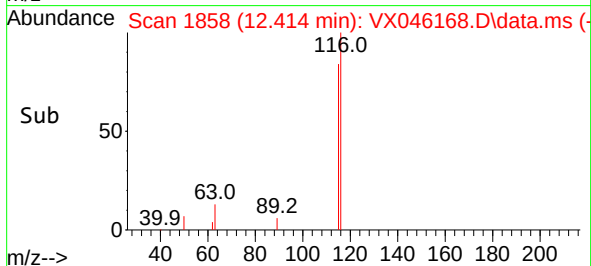
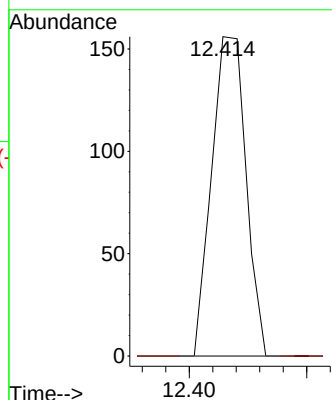
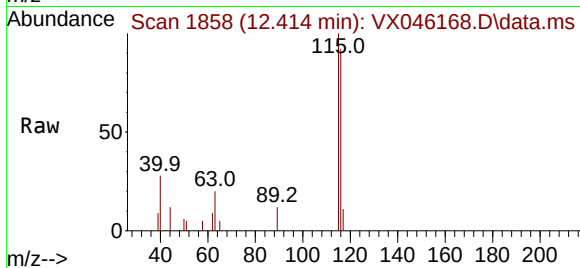
IBLK

Tgt Ion:117 Resp: 158

Ion Ratio Lower Upper

117 100

201 0.0 31.6 94.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.443 ug/l

RT: 12.835 min Scan# 1927

Delta R.T. -0.104 min

Lab File: VX046168.D

Acq: 13 May 2025 15:58

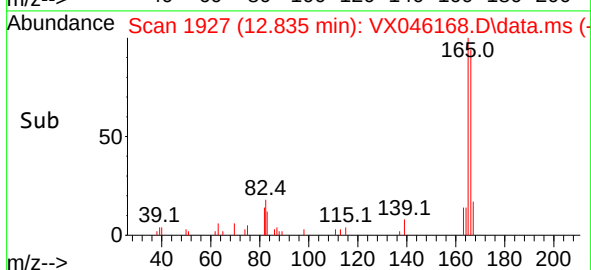
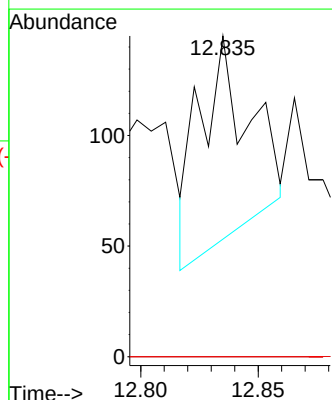
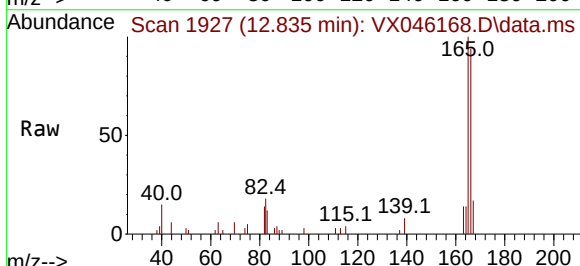
Tgt Ion: 75 Resp: 135

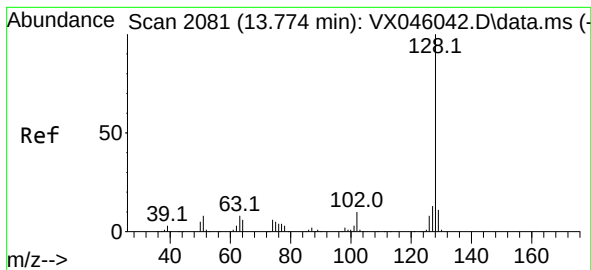
Ion Ratio Lower Upper

75 100

155 0.0 34.9 104.8#

157 0.0 43.8 131.4#





#95

Naphthalene

Concen: 15.695 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX046168.D

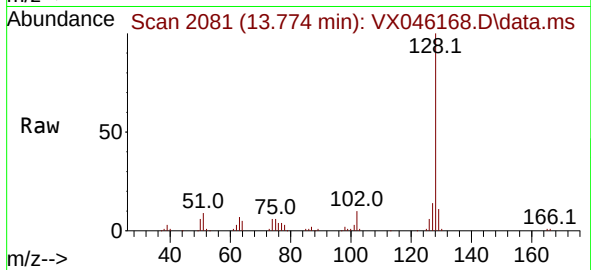
Acq: 13 May 2025 15:58

Instrument :

MSVOA\_X

ClientSampleId :

IBLK



Tgt Ion:128 Resp: 55233

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.4 8.6 13.0

