

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092625\  
 Data File : VX047863.D  
 Acq On : 26 Sep 2025 16:52  
 Operator : JC/MD  
 Sample : Q3156-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB03-20250912

Quant Time: Sep 26 23:18:18 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

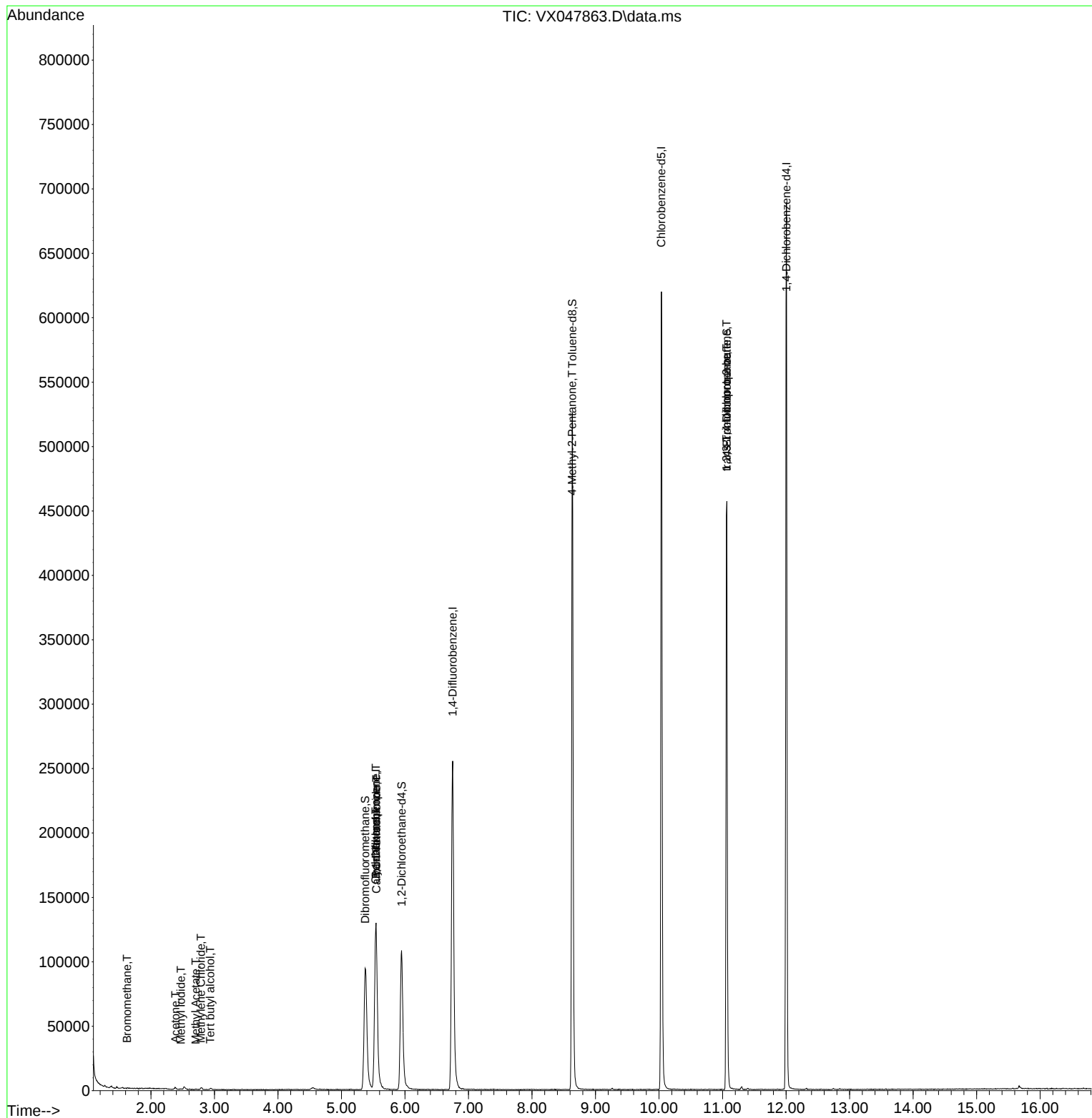
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.543     | 168   | 128790   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.750     | 114   | 277769   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.036    | 117   | 284782   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006    | 152   | 143115   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946     | 65    | 117162   | 57.152   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 114.300% |          |
| 35) Dibromofluoromethane      | 5.373     | 113   | 93493    | 50.188   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 100.380% |          |
| 50) Toluene-d8                | 8.634     | 98    | 314602   | 48.806   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 97.620%  |          |
| 62) 4-Bromofluorobenzene      | 11.067    | 95    | 134469   | 54.967   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 109.940% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.623     | 94    | 259      | 0.238    | ug/l #     | 50       |
| 10) Methyl Iodide             | 2.471     | 142   | 492      | 0.212    | ug/l #     | 85       |
| 11) Tert butyl alcohol        | 2.934     | 59    | 360      | 1.577    | ug/l #     | 72       |
| 16) Acetone                   | 2.385     | 43    | 1923     | 2.157    | ug/l       | 99       |
| 18) Methyl Acetate            | 2.702     | 43    | 471      | 0.237    | ug/l #     | 63       |
| 20) Methylene Chloride        | 2.788     | 84    | 776      | 0.411    | ug/l #     | 74       |
| 31) Cyclohexane               | 5.537     | 56    | 2878     | 1.062    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.543     | 75    | 11077    | 4.069    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.549     | 117   | 13702    | 4.633    | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.628     | 43    | 1520     | 0.574    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.061    | 75    | 70421    | 24.303   | ug/l #     | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.061    | 75    | 70421    | 61.976   | ug/l #     | 8        |
| -----                         |           |       |          |          |            |          |

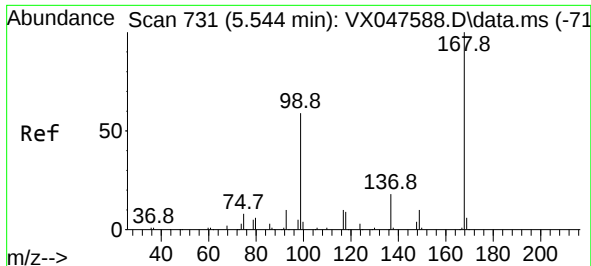
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092625\  
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Sample : Q3156-15  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

Quant Time: Sep 26 23:18:18 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

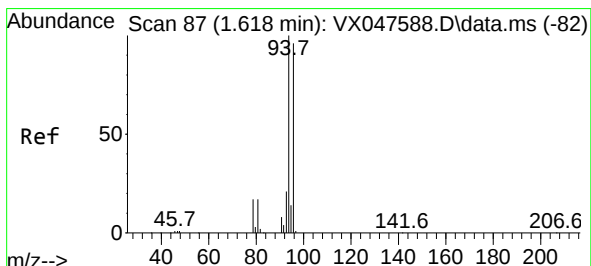
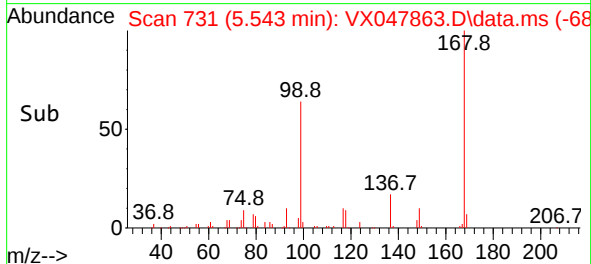
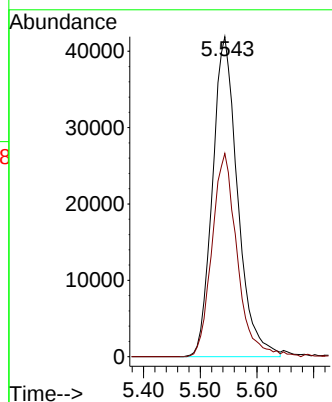
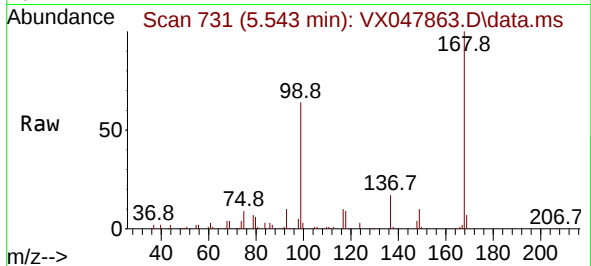




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

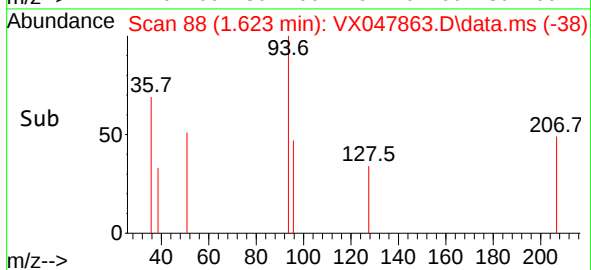
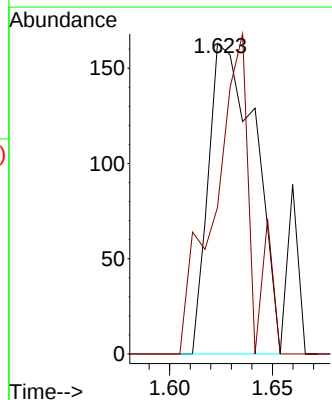
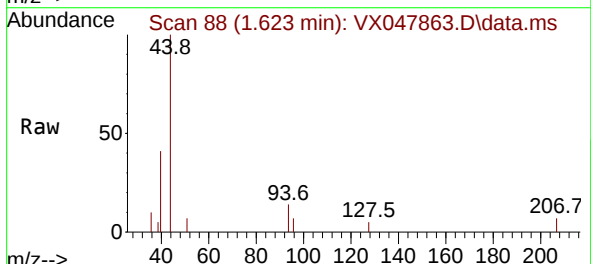
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

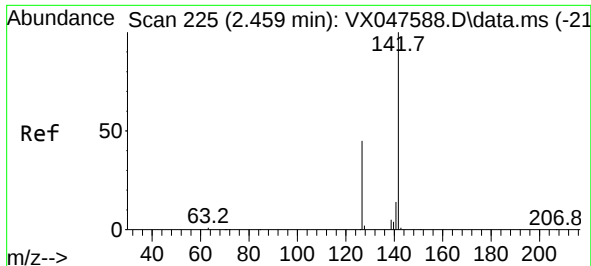
Tgt Ion:168 Resp: 128790  
Ion Ratio Lower Upper  
168 100  
99 63.5 48.8 73.2



#5  
Bromomethane  
Concen: 0.238 ug/l  
RT: 1.623 min Scan# 88  
Delta R.T. 0.006 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

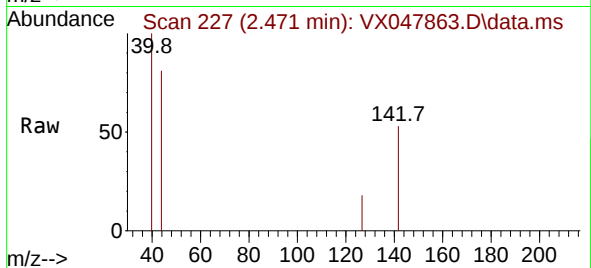
Tgt Ion: 94 Resp: 259  
Ion Ratio Lower Upper  
94 100  
96 47.2 76.6 115.0#



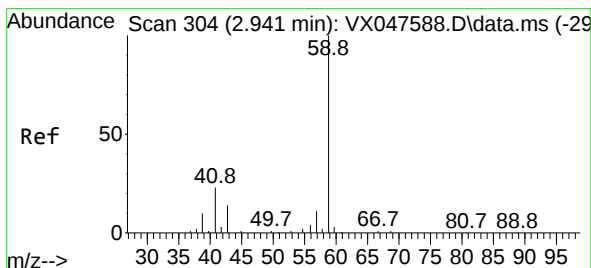
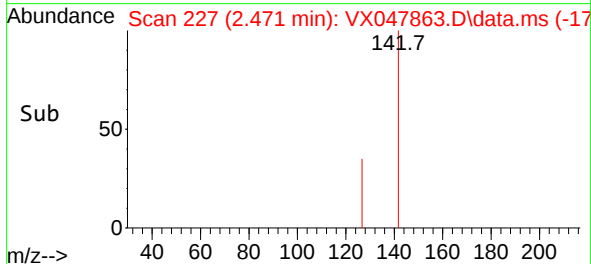
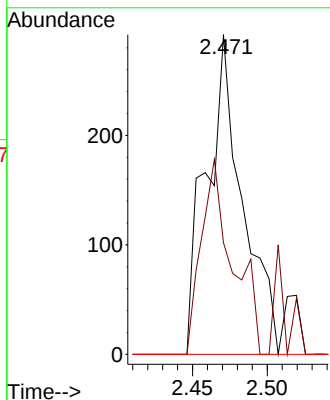


#10  
Methyl Iodide  
Concen: 0.212 ug/l  
RT: 2.471 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

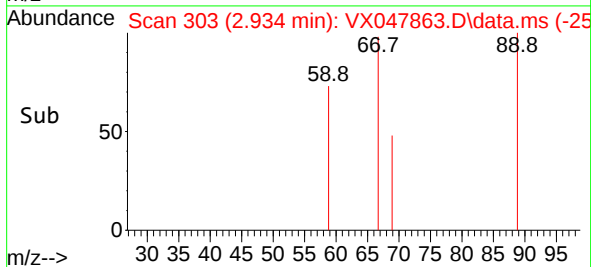
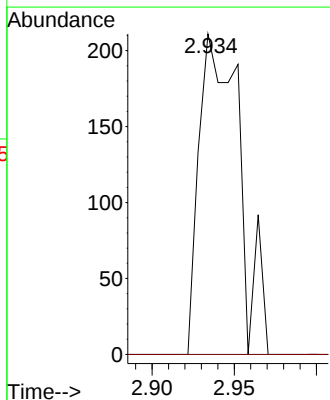
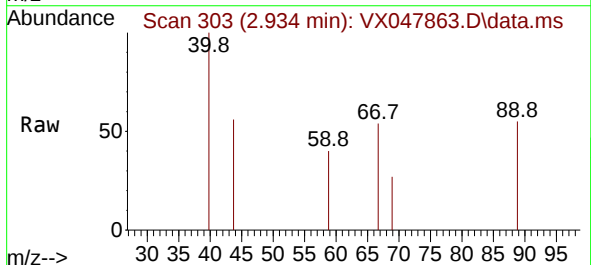


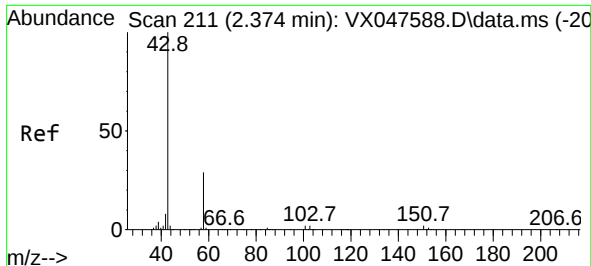
Tgt Ion:142 Resp: 492  
Ion Ratio Lower Upper  
142 100  
127 52.8 37.2 55.8  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 1.577 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.007 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

Tgt Ion: 59 Resp: 360  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

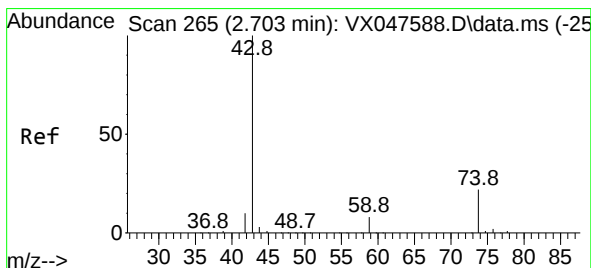
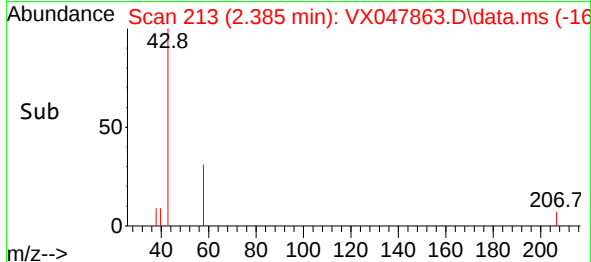
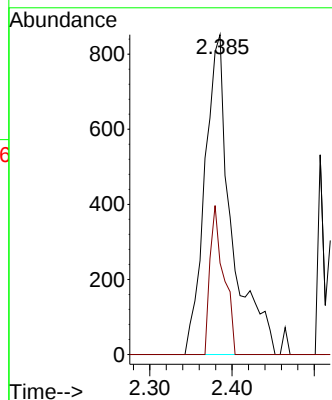
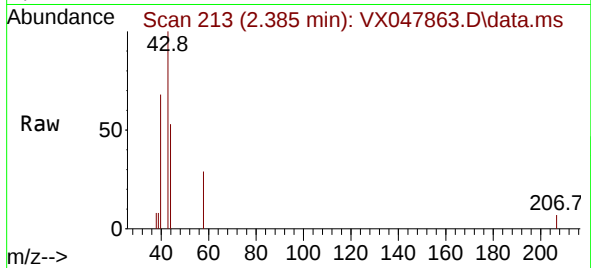




#16  
Acetone  
Concen: 2.157 ug/l  
RT: 2.385 min Scan# 211  
Delta R.T. 0.012 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

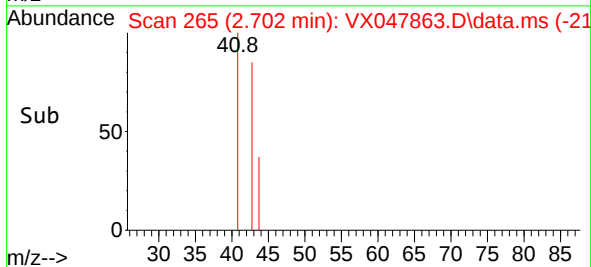
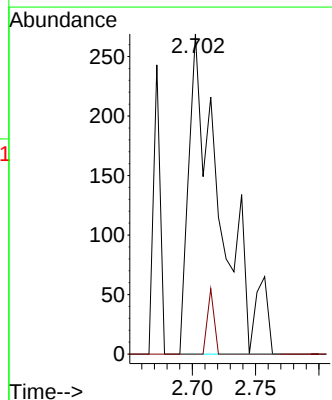
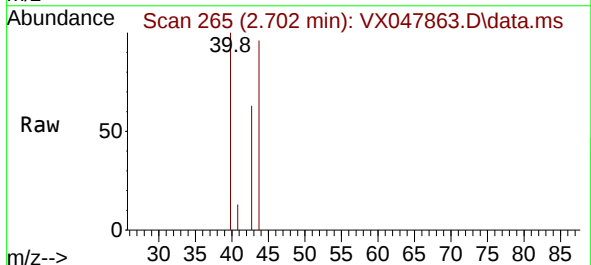
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

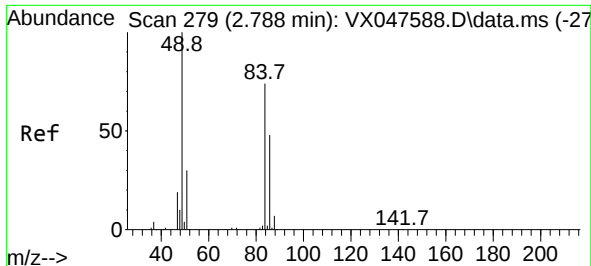
Tgt Ion: 43 Resp: 1923  
Ion Ratio Lower Upper  
43 100  
58 28.6 23.4 35.0



#18  
Methyl Acetate  
Concen: 0.237 ug/l  
RT: 2.702 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

Tgt Ion: 43 Resp: 471  
Ion Ratio Lower Upper  
43 100  
74 4.2 17.4 26.2#

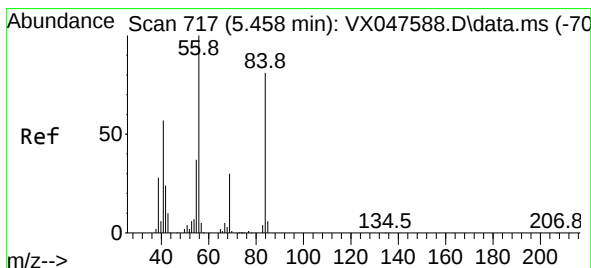
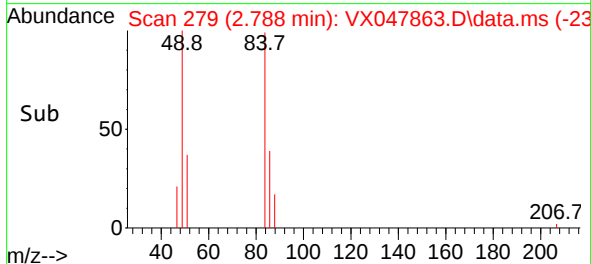
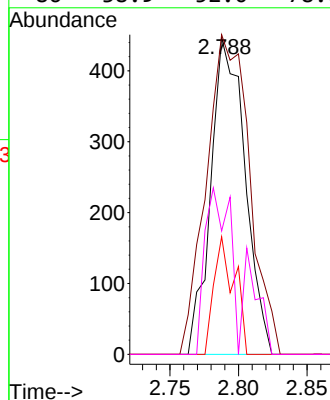
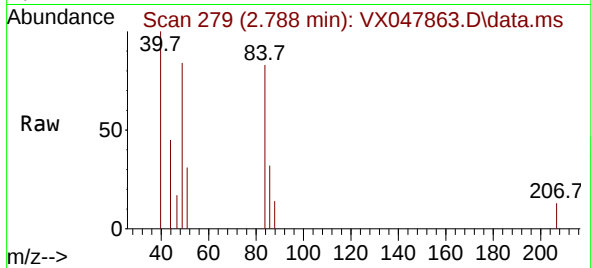




#20  
Methylene Chloride  
Concen: 0.411 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

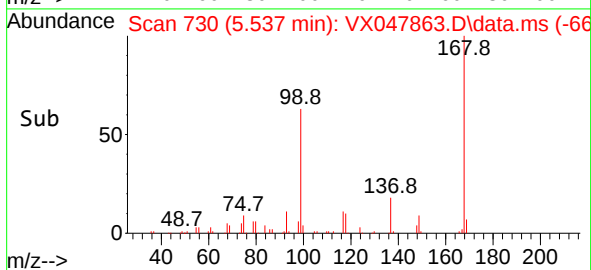
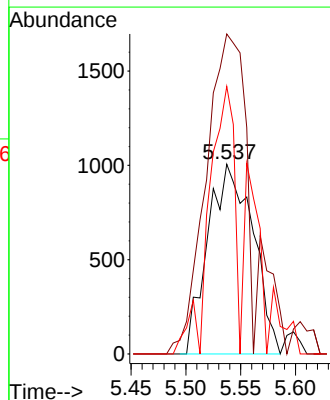
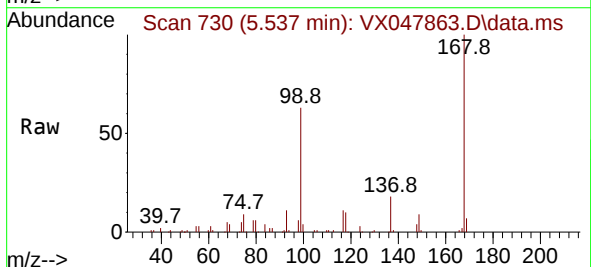
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

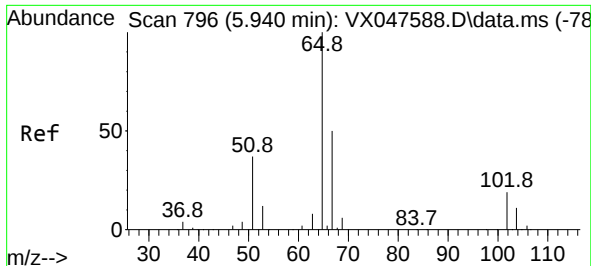
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 776    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 100.9 | 108.6 | 162.8# |
| 51       | 37.1  | 32.6  | 48.8   |
| 86       | 38.9  | 52.0  | 78.0#  |



#31  
Cyclohexane  
Concen: 1.062 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. 0.079 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2878  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 161.5 | 23.8  | 35.8# |
| 84       | 132.9 | 64.6  | 97.0# |

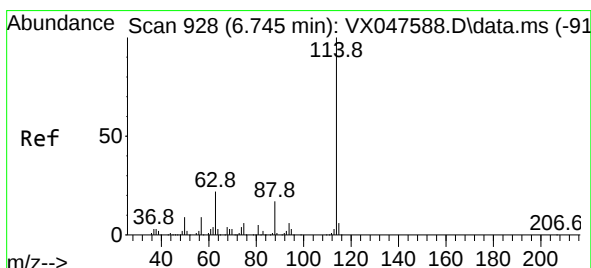
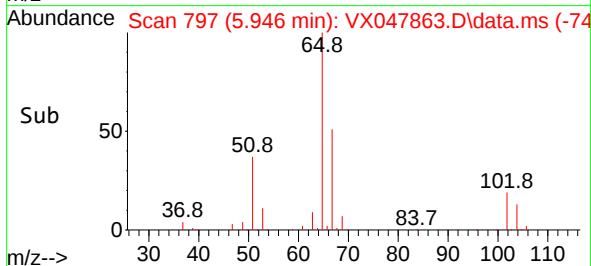
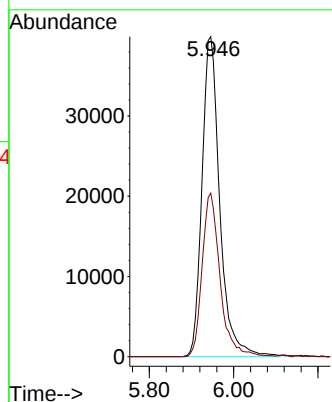
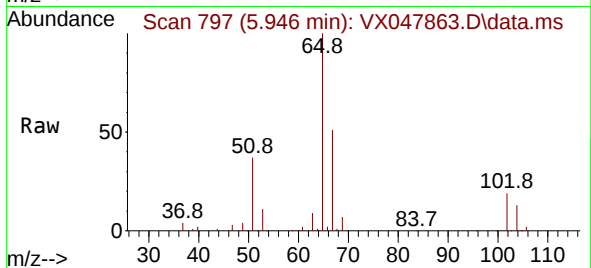




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.152 ug/l  
 RT: 5.946 min Scan# 796  
 Delta R.T. 0.006 min  
 Lab File: VX047863.D  
 Acq: 26 Sep 2025 16:52

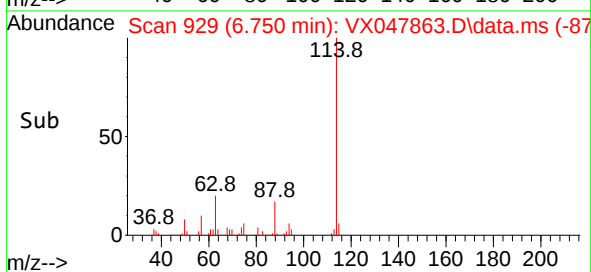
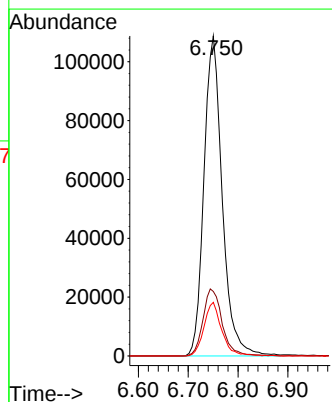
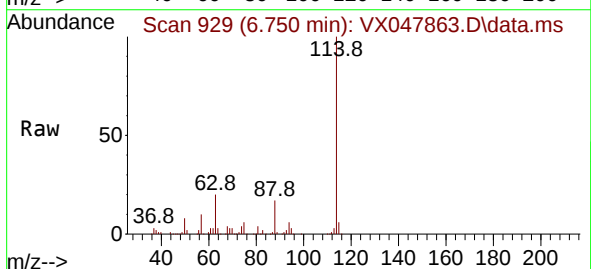
Instrument :  
 MSVOA\_X  
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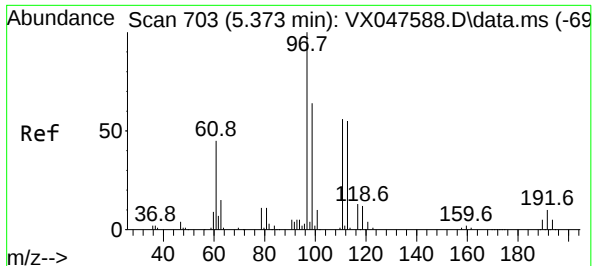
Tgt Ion: 65 Resp: 117162  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.750 min Scan# 929  
 Delta R.T. 0.006 min  
 Lab File: VX047863.D  
 Acq: 26 Sep 2025 16:52

Tgt Ion: 114 Resp: 277769  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 44.0  
 88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.188 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047863.D

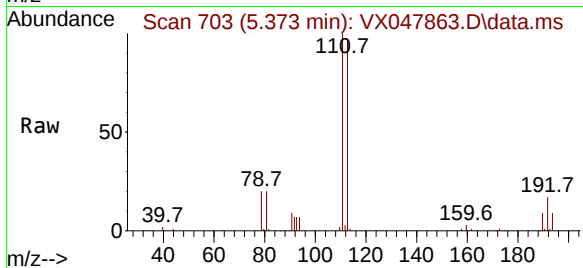
Acq: 26 Sep 2025 16:52

Instrument :

MSVOA\_X

ClientSampleId :

TB03-20250912



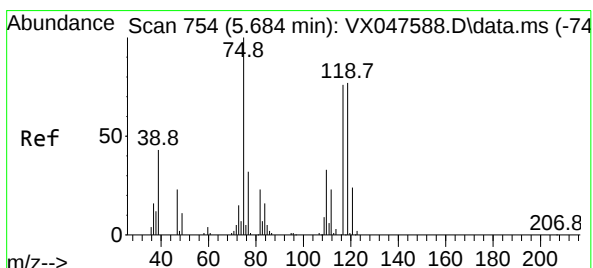
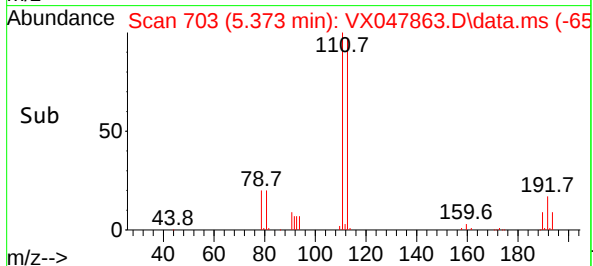
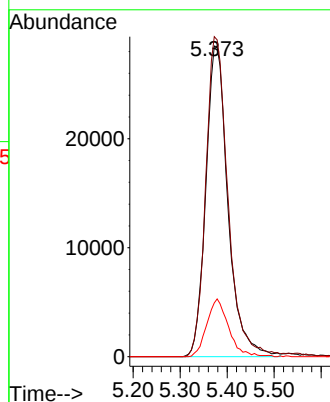
Tgt Ion:113 Resp: 93493

Ion Ratio Lower Upper

113 100

111 103.3 80.9 121.3

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.069 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.141 min

Lab File: VX047863.D

Acq: 26 Sep 2025 16:52

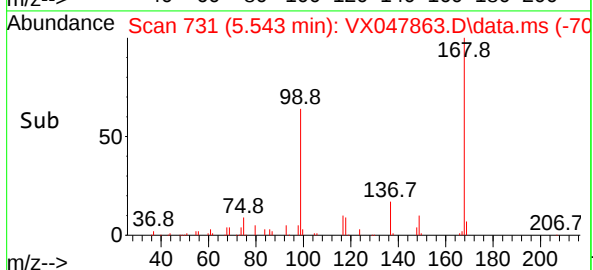
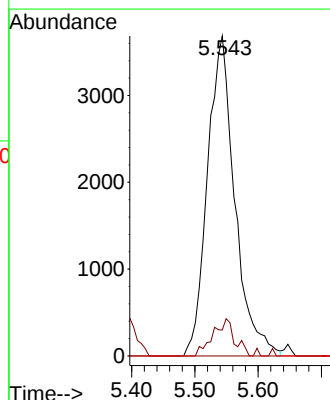
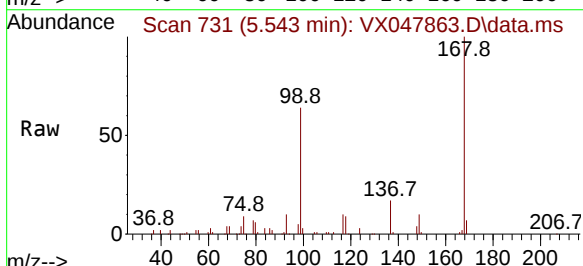
Tgt Ion: 75 Resp: 11077

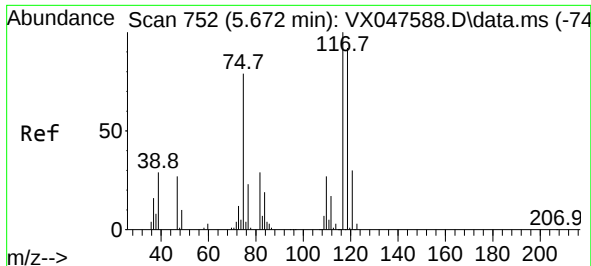
Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.1#

77 0.0 24.3 36.5#

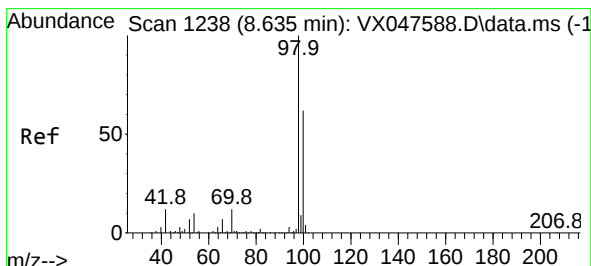
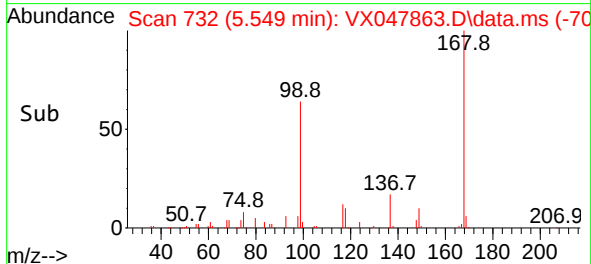
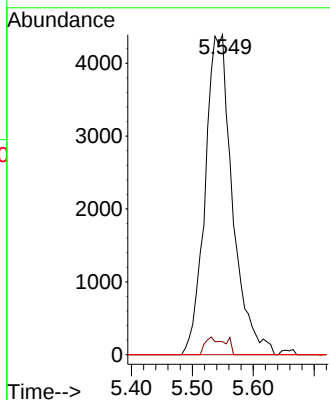
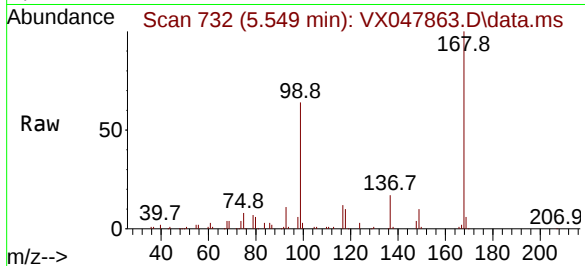




#38  
Carbon Tetrachloride  
Concen: 4.633 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

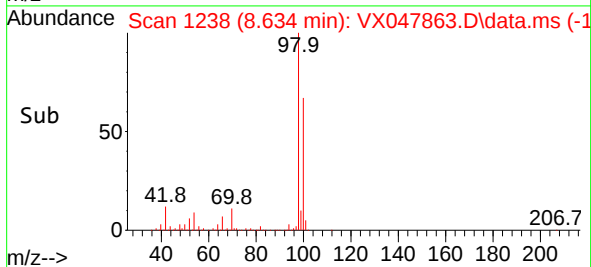
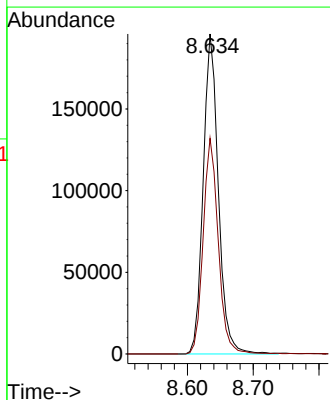
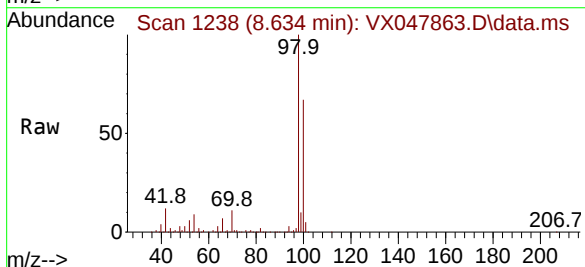
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

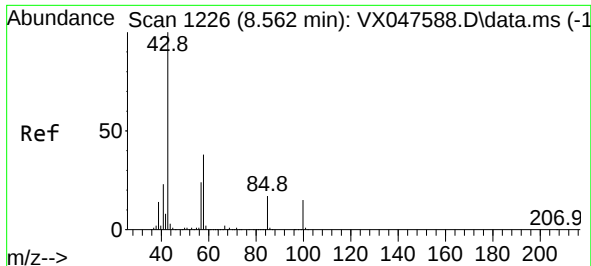
Tgt Ion:117 Resp: 13702  
Ion Ratio Lower Upper  
117 100  
119 4.1 73.4 110.2#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 48.806 ug/l  
RT: 8.634 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

Tgt Ion: 98 Resp: 314602  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.0 79.4

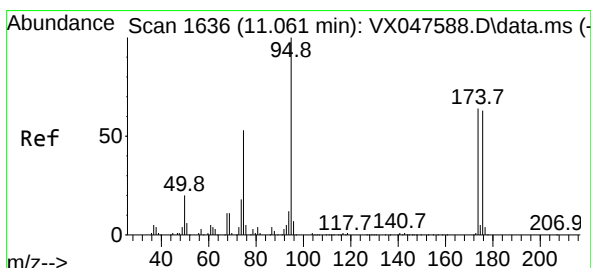
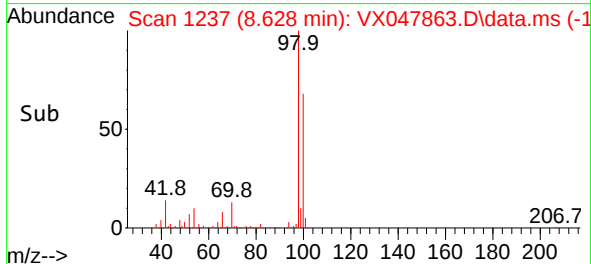
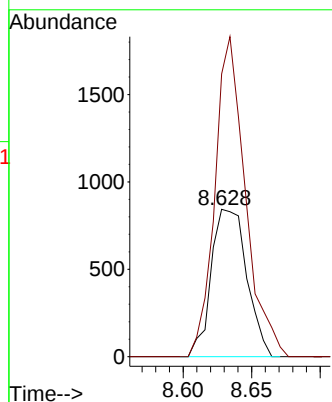
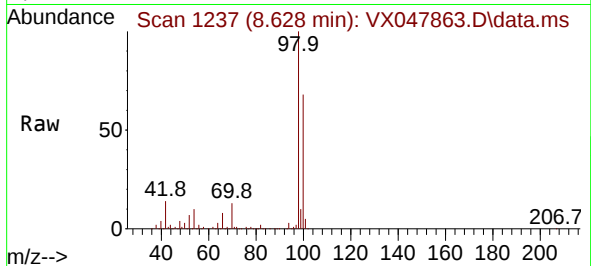




#51  
4-Methyl-2-Pentanone  
Concen: 0.574 ug/l  
RT: 8.628 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

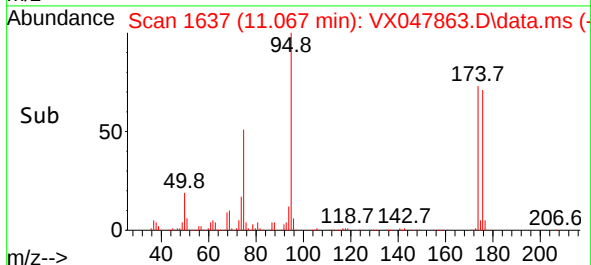
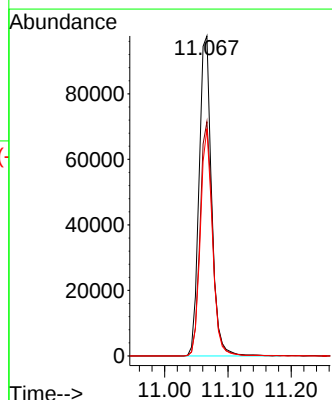
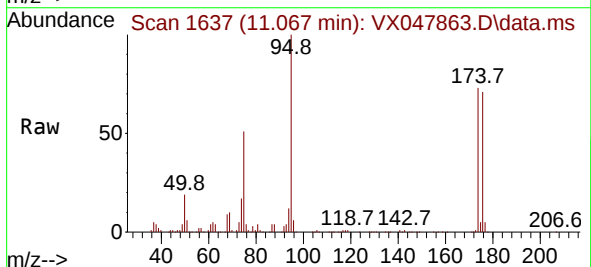
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

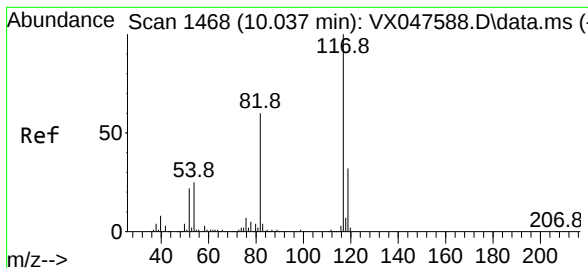
Tgt Ion: 43 Resp: 1520  
Ion Ratio Lower Upper  
43 100  
58 186.4 30.3 45.5#



#62  
4-Bromofluorobenzene  
Concen: 54.967 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.006 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

Tgt Ion: 95 Resp: 134469  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 141.6  
176 69.1 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047863.D

Acq: 26 Sep 2025 16:52

Instrument :

MSVOA\_X

ClientSampleId :

TB03-20250912

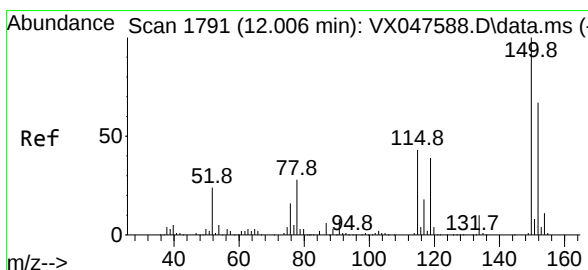
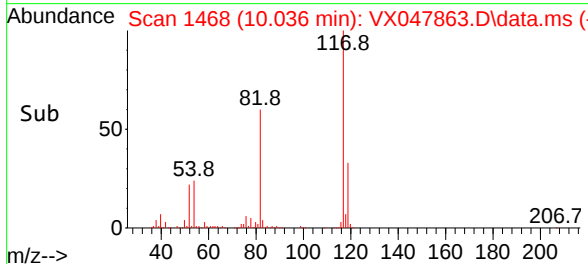
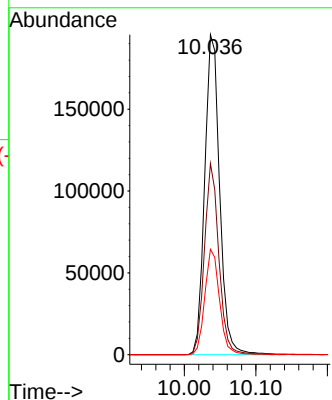
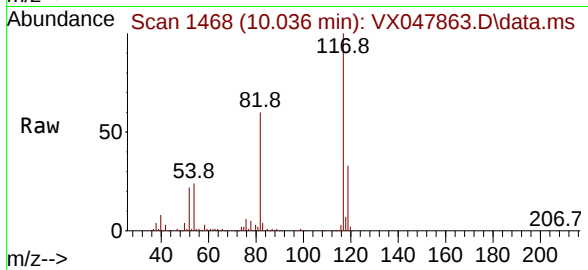
Tgt Ion:117 Resp: 284782

Ion Ratio Lower Upper

117 100

82 59.8 47.8 71.6

119 32.9 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047863.D

Acq: 26 Sep 2025 16:52

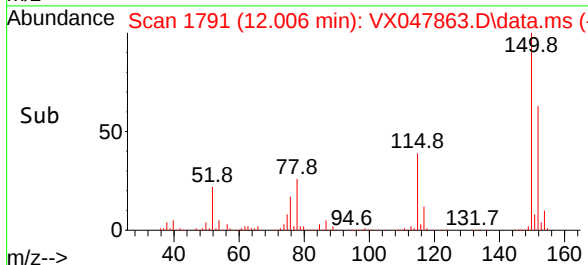
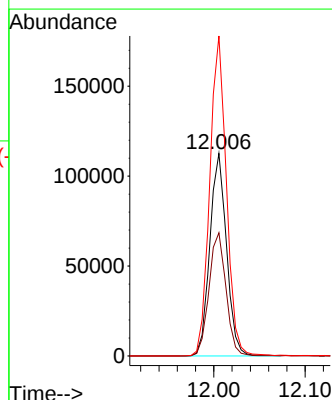
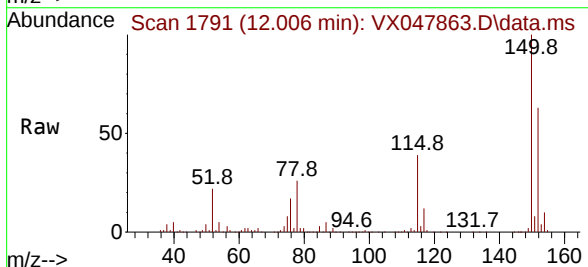
Tgt Ion:152 Resp: 143115

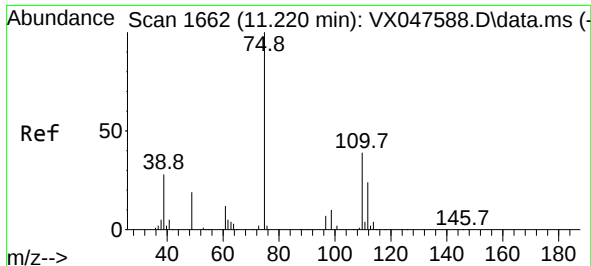
Ion Ratio Lower Upper

152 100

115 62.0 44.9 134.5

150 157.3 0.0 352.0

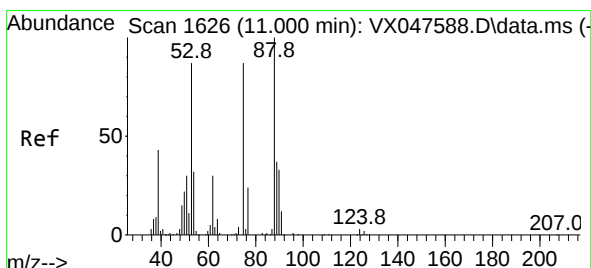
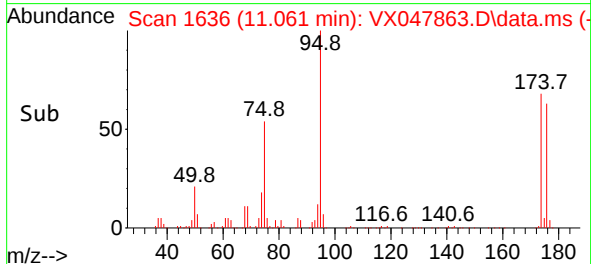
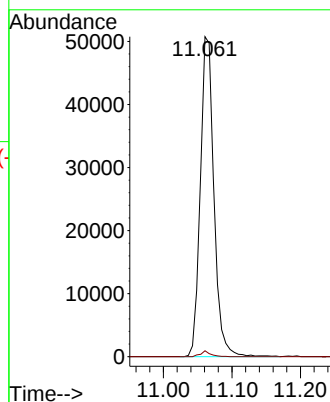
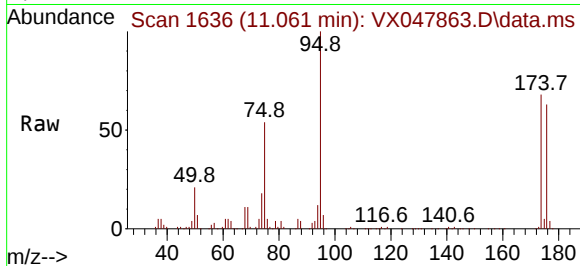




#76  
1,2,3-Trichloropropane  
Concen: 24.303 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.159 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB03-20250912

Tgt Ion: 75 Resp: 70421  
Ion Ratio Lower Upper  
75 100  
77 1.4 18.8 56.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.976 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.060 min  
Lab File: VX047863.D  
Acq: 26 Sep 2025 16:52

Tgt Ion: 75 Resp: 70421  
Ion Ratio Lower Upper  
75 100  
53 0.1 83.4 125.2#  
89 0.0 36.3 54.5#

