

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091825\  
 Data File : VX047642.D  
 Acq On : 18 Sep 2025 15:43  
 Operator : JC/MD  
 Sample : Q3095-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE123D1-20250909

Quant Time: Sep 22 03:37:59 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

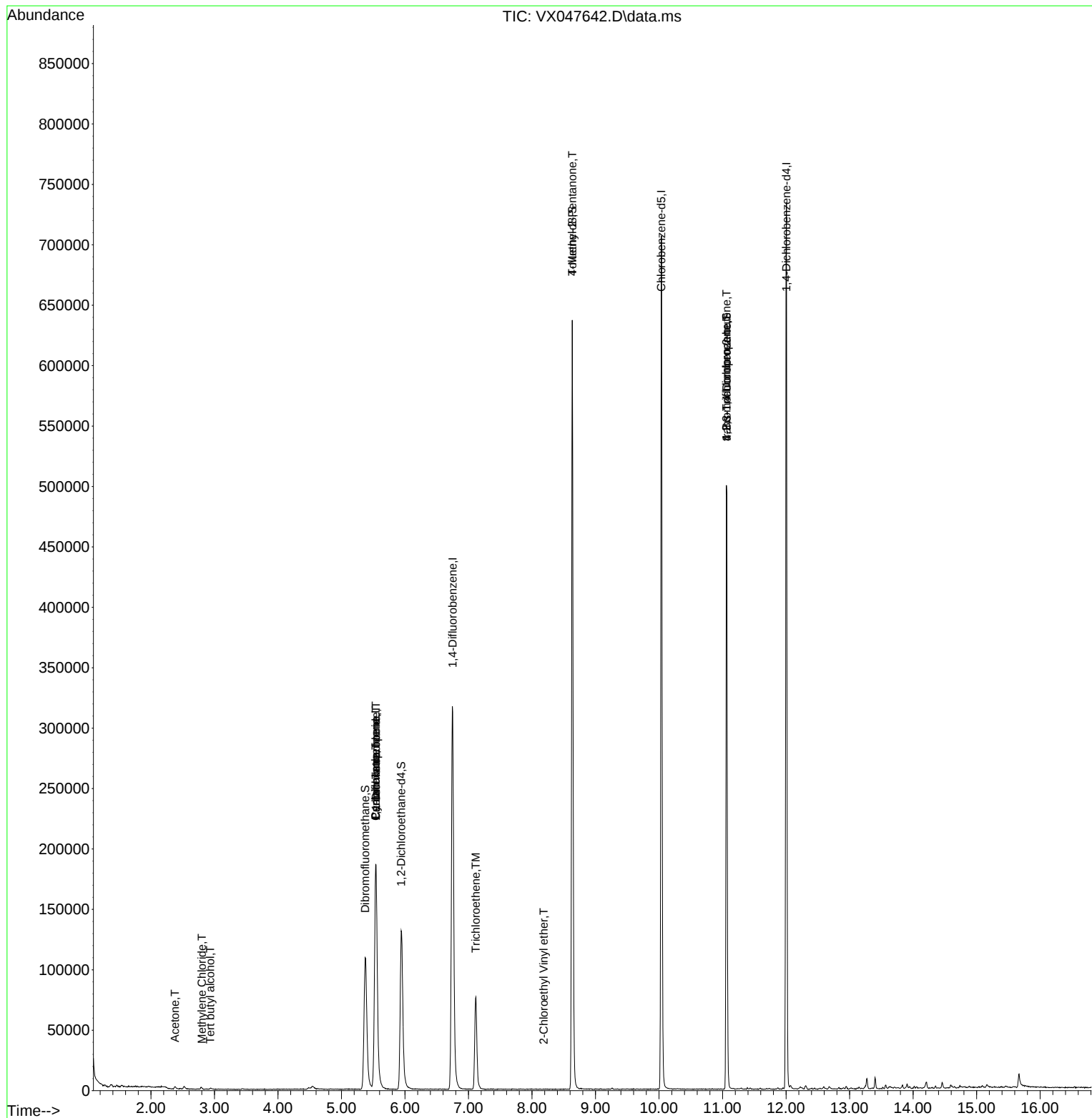
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.538  | 168   | 186708   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751  | 114   | 347039   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 315013   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 151637   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940  | 65    | 143498   | 48.285   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 96.560%  |
| 35) Dibromofluoromethane      | 5.373  | 113   | 107121   | 46.025   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.060%  |
| 50) Toluene-d8                | 8.635  | 98    | 372268   | 46.225   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 92.460%  |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 144530   | 47.288   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 94.580%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.934  | 59    | 106      | 0.320    | ug/l # | 72       |
| 16) Acetone                   | 2.380  | 43    | 2494     | 1.930    | ug/l # | 72       |
| 20) Methylene Chloride        | 2.800  | 84    | 873      | 0.319    | ug/l # | 66       |
| 31) Cyclohexane               | 5.538  | 56    | 4487     | 1.143    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 16059    | 4.722    | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 20384    | 5.516    | ug/l # | 16       |
| 44) Trichloroethene           | 7.117  | 130   | 32614    | 13.060   | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.635  | 43    | 1831     | 0.553    | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether | 8.184  | 63    | 21       | 7.904    | ug/l # | 47       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 74428    | 24.242   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 74428    | 61.821   | ug/l # | 8        |
| -----                         |        |       |          |          |        |          |

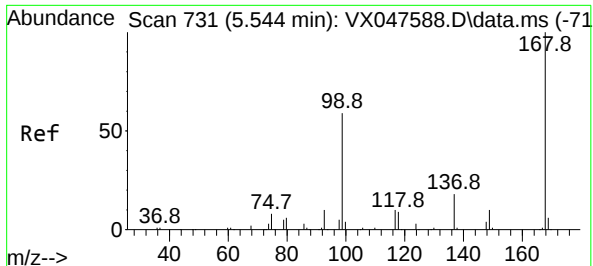
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091825\  
Data File : VX047642.D  
Acq On : 18 Sep 2025 15:43  
Operator : JC/MD  
Sample : Q3095-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D1-20250909

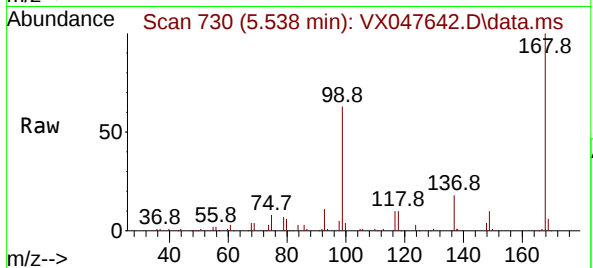
Quant Time: Sep 22 03:37:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration



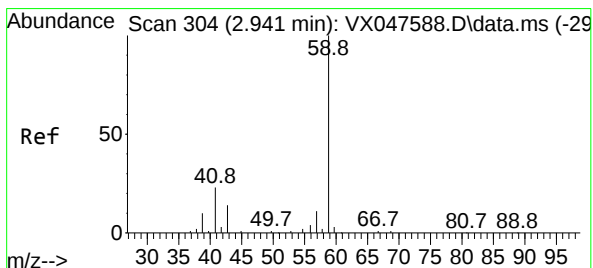
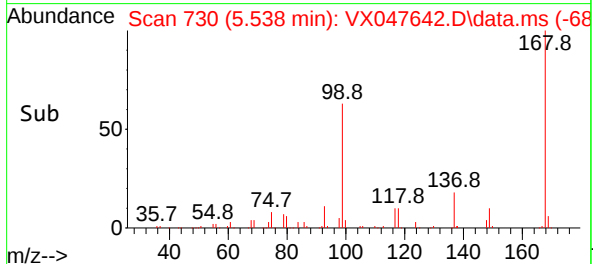
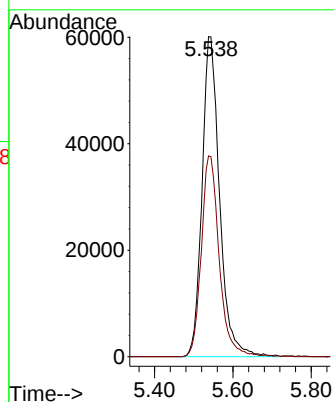


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D1-20250909

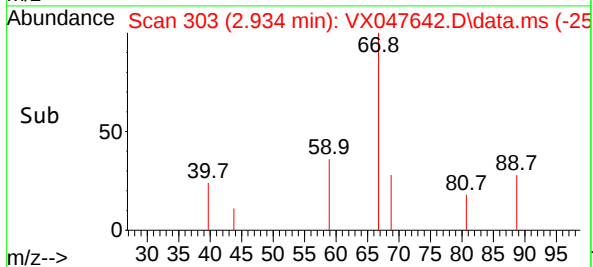
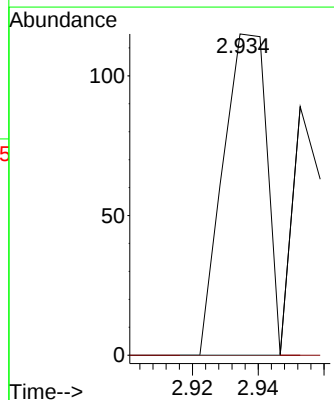
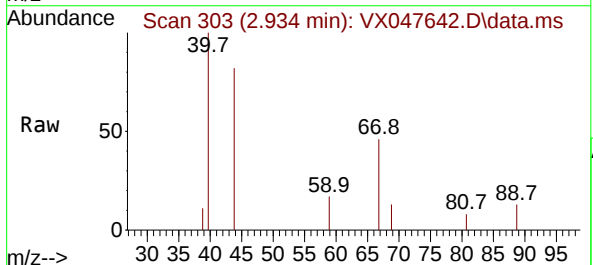


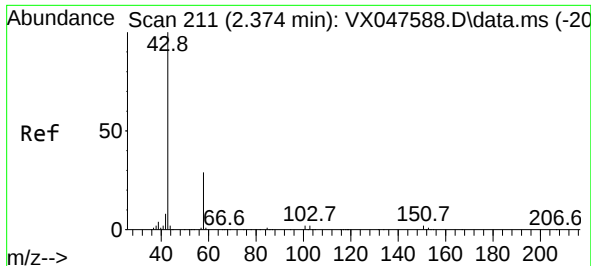
Tgt Ion:168 Resp: 186708  
Ion Ratio Lower Upper  
168 100  
99 62.7 48.8 73.2



#11  
Tert butyl alcohol  
Concen: 0.320 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.006 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Tgt Ion: 59 Resp: 106  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

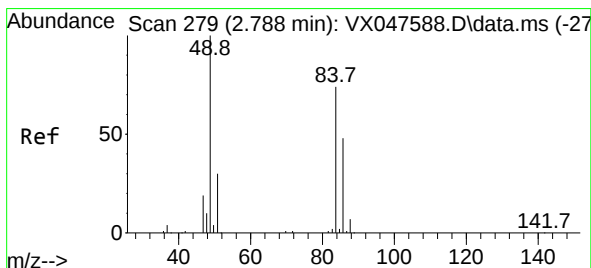
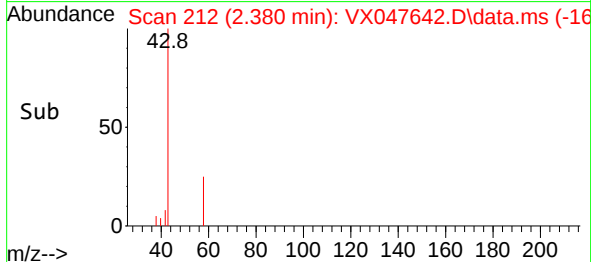
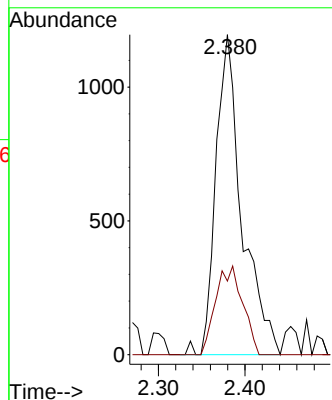
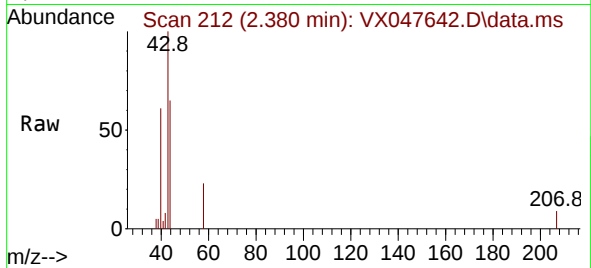




#16  
Acetone  
Concen: 1.930 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

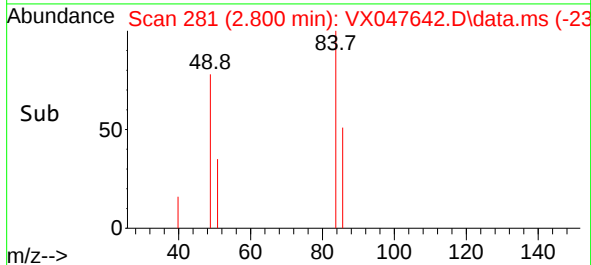
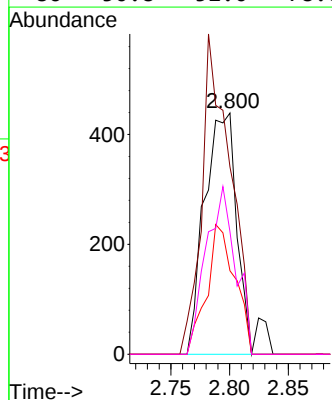
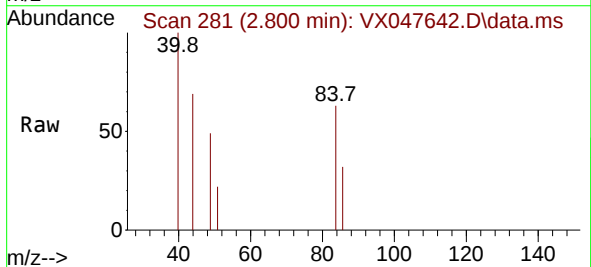
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MSVOA\_X  
ClientSampleId :  
RE123D1-20250909

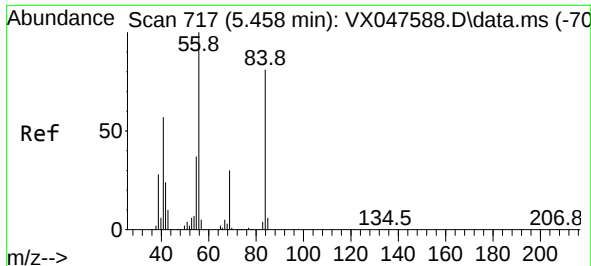
Tgt Ion: 43 Resp: 2494  
Ion Ratio Lower Upper  
43 100  
58 14.0 23.4 35.0#



#20  
Methylene Chloride  
Concen: 0.319 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.012 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Tgt Ion: 84 Resp: 873  
Ion Ratio Lower Upper  
84 100  
49 77.7 108.6 162.8#  
51 34.6 32.6 48.8  
86 50.8 52.0 78.0#

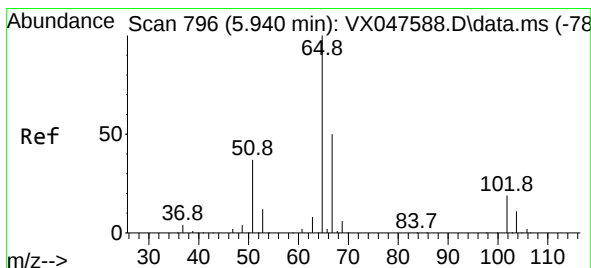
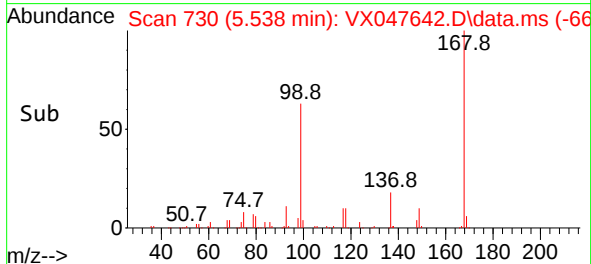
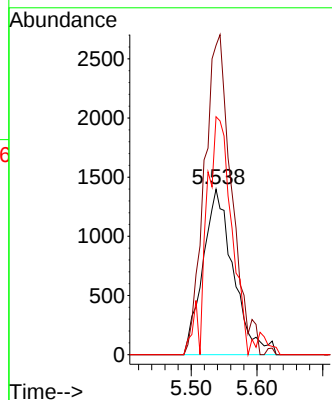
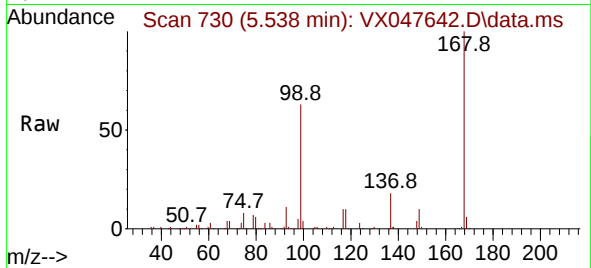




#31  
Cyclohexane  
Concen: 1.143 ug/l  
RT: 5.538 min Scan# 717  
Delta R.T. 0.079 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

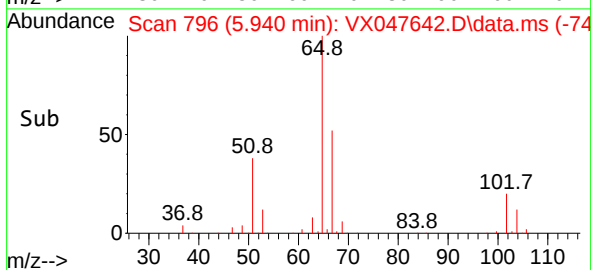
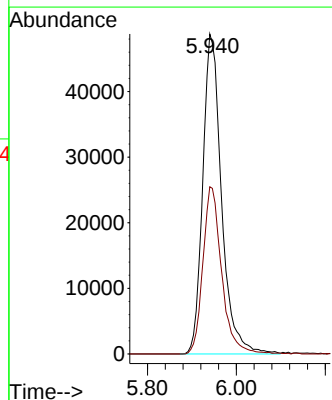
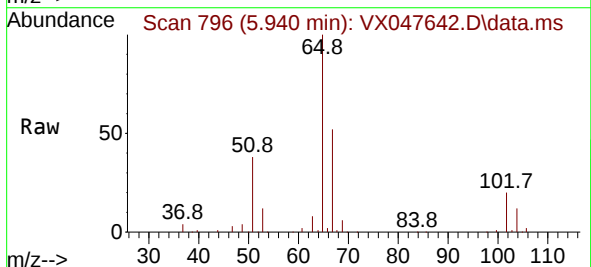
Instrument :  
MSVOA\_X  
ClientSampleId :  
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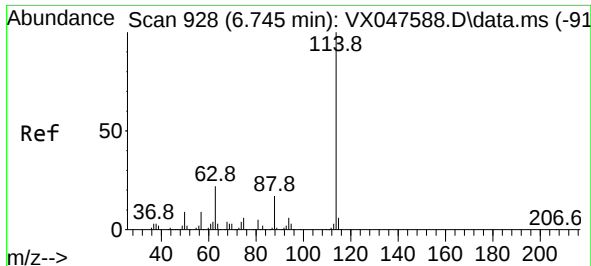
Tgt Ion: 56 Resp: 4487  
Ion Ratio Lower Upper  
56 100  
69 186.9 23.8 35.8#  
84 143.8 64.6 97.0#



#33  
1,2-Dichloroethane-d4  
Concen: 48.285 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Tgt Ion: 65 Resp: 143498  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 103.0

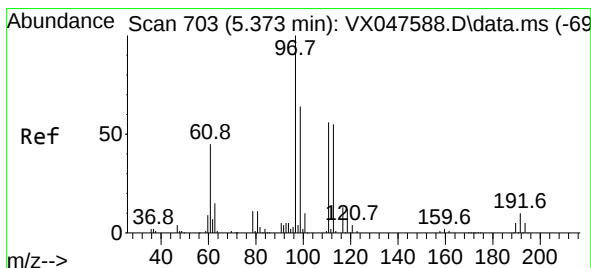
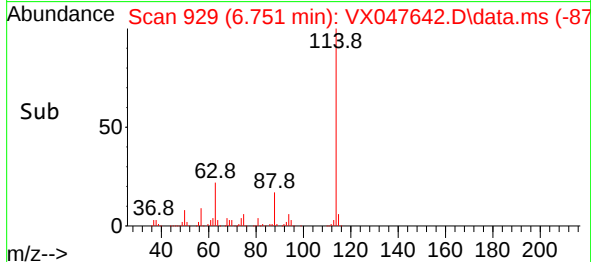
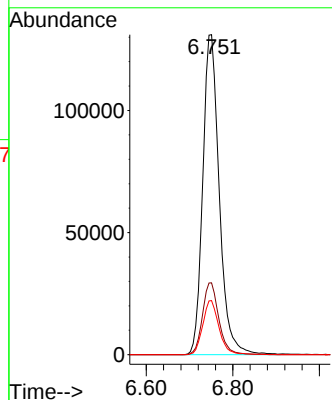
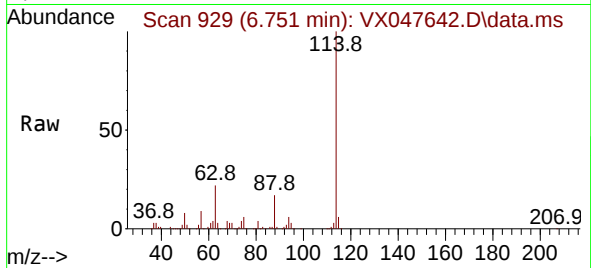




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

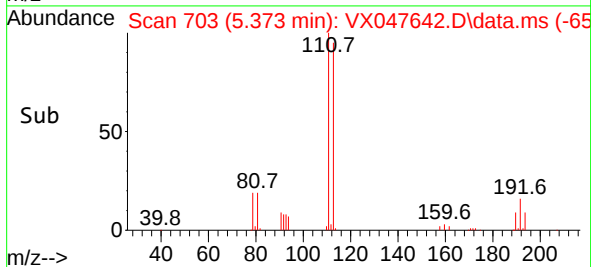
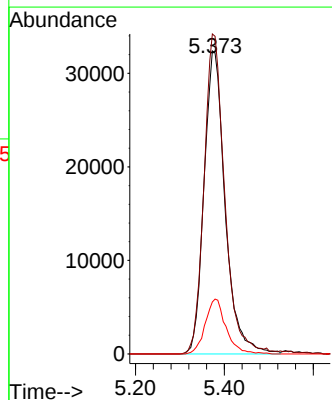
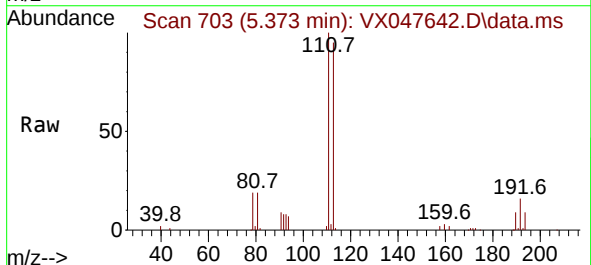
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D1-20250909

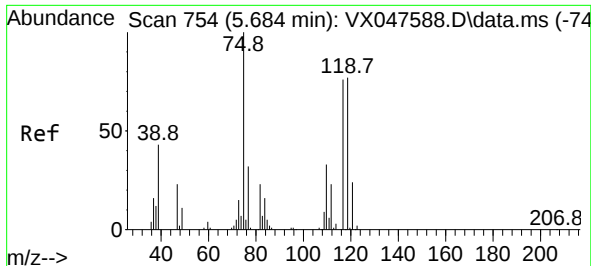
Tgt Ion:114 Resp: 347039  
Ion Ratio Lower Upper  
114 100  
63 22.4 0.0 44.0  
88 16.9 0.0 34.2



#35  
Dibromofluoromethane  
Concen: 46.025 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Tgt Ion:113 Resp: 107121  
Ion Ratio Lower Upper  
113 100  
111 103.7 80.9 121.3  
192 17.9 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047642.D

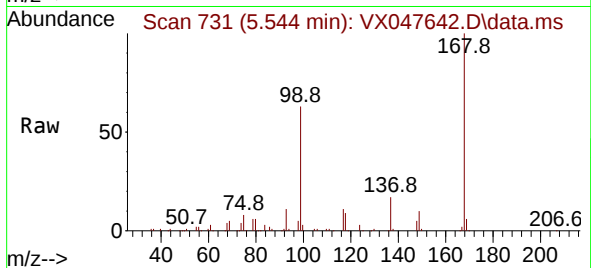
Acq: 18 Sep 2025 15:43

Instrument :

MSVOA\_X

ClientSampleId :

RE123D1-20250909



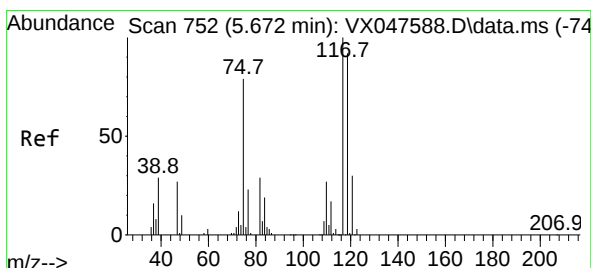
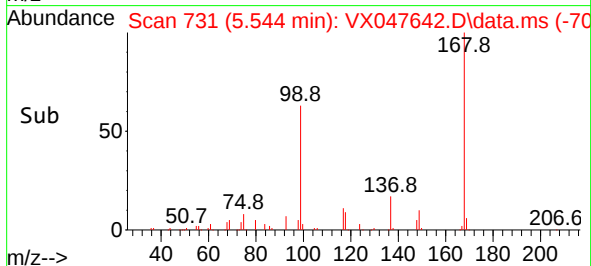
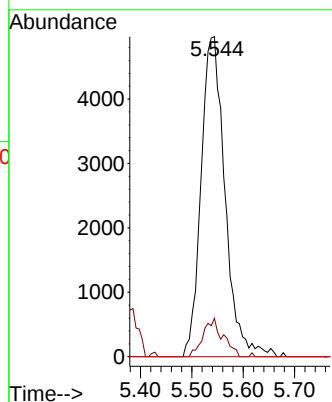
Tgt Ion: 75 Resp: 16059

Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.516 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX047642.D

Acq: 18 Sep 2025 15:43

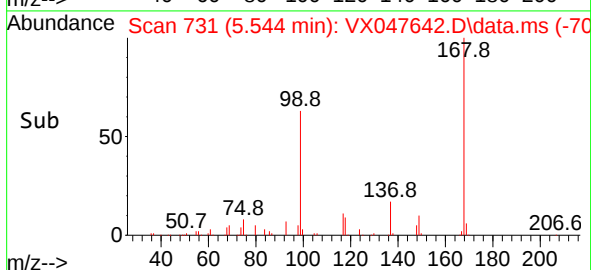
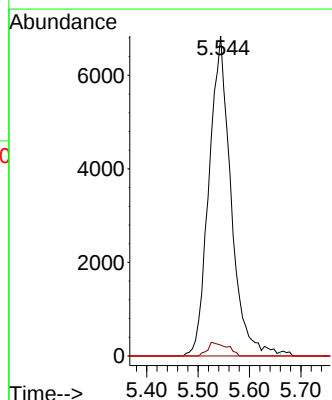
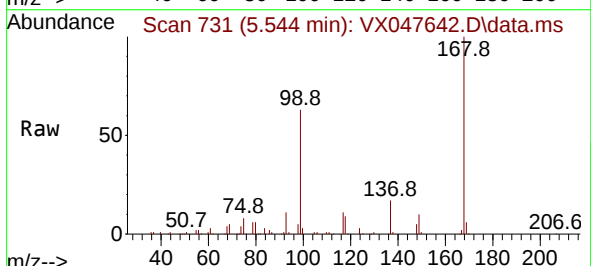
Tgt Ion: 117 Resp: 20384

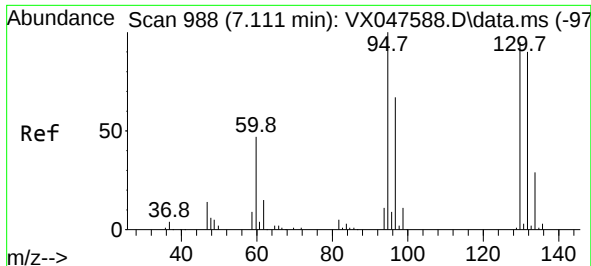
Ion Ratio Lower Upper

117 100

119 3.4 73.4 110.2#

121 0.0 23.8 35.6#

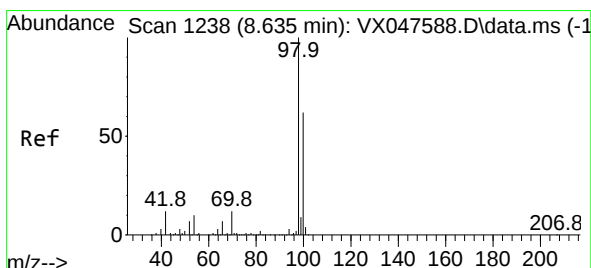
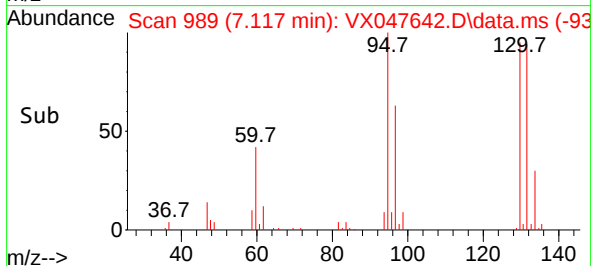
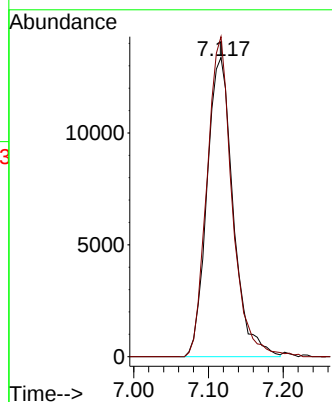
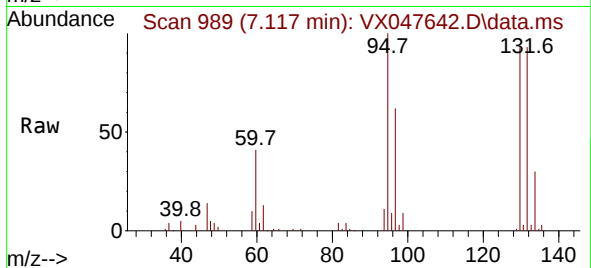




#44  
Trichloroethene  
Concen: 13.060 ug/l  
RT: 7.117 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

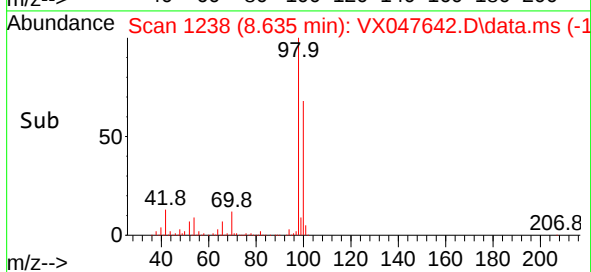
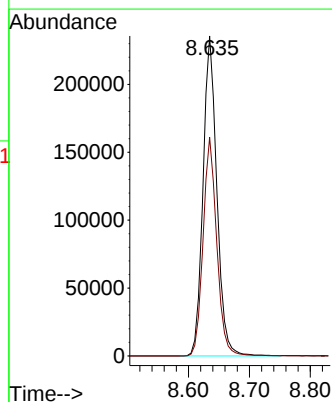
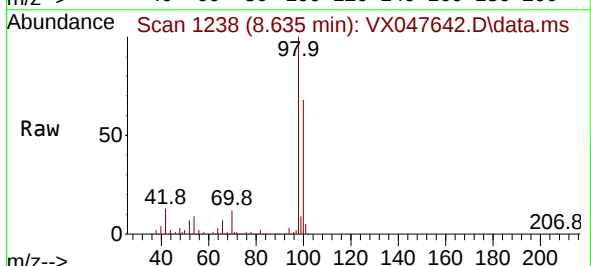
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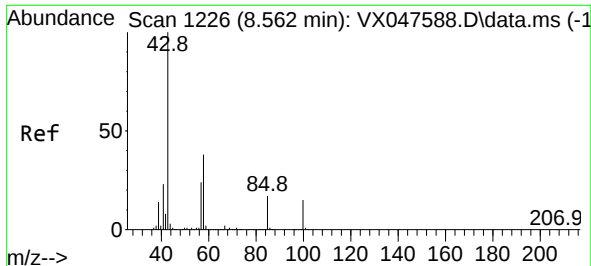
Tgt Ion:130 Resp: 32614  
Ion Ratio Lower Upper  
130 100  
95 107.0 0.0 210.8



#50  
Toluene-d8  
Concen: 46.225 ug/l  
RT: 8.635 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Tgt Ion: 98 Resp: 372268  
Ion Ratio Lower Upper  
98 100  
100 67.7 53.0 79.4

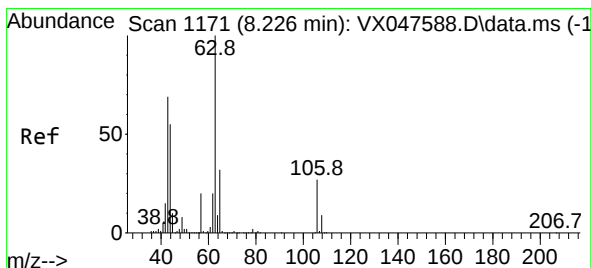
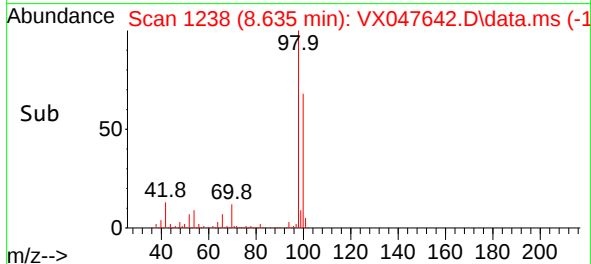
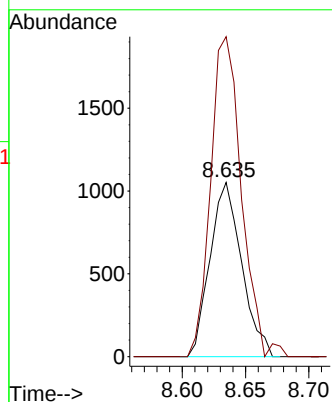
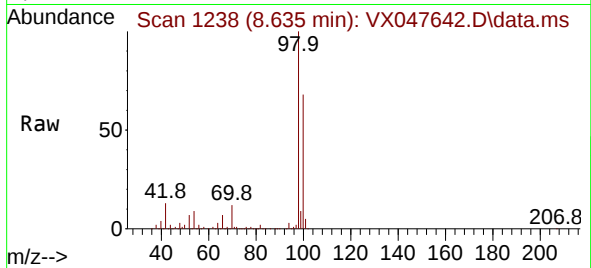




#51  
4-Methyl-2-Pentanone  
Concen: 0.553 ug/l  
RT: 8.635 min Scan# 1164  
Delta R.T. 0.073 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

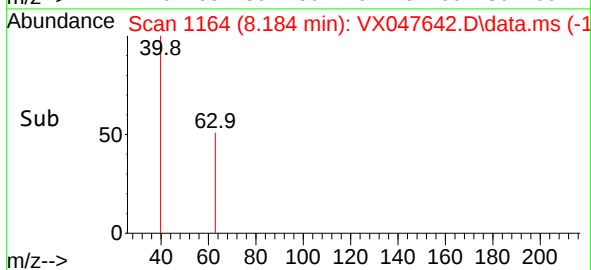
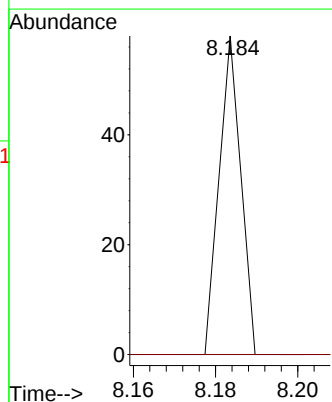
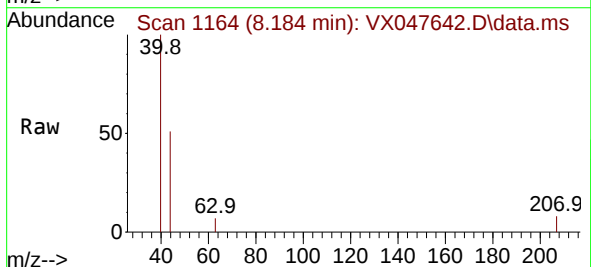
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D1-20250909

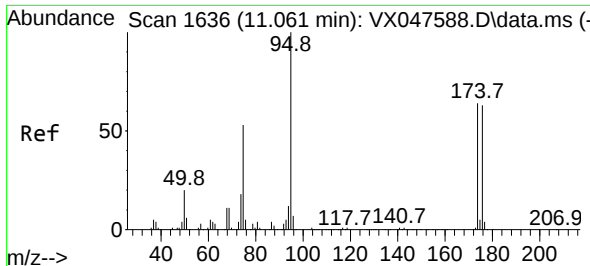
Tgt Ion: 43 Resp: 1831  
Ion Ratio Lower Upper  
43 100  
58 178.8 30.3 45.5#



#58  
2-Chloroethyl Vinyl ether  
Concen: 7.904 ug/l  
RT: 8.184 min Scan# 1164  
Delta R.T. -0.042 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Tgt Ion: 63 Resp: 21  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.9 32.9#

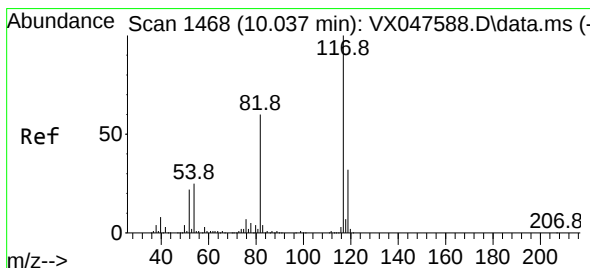
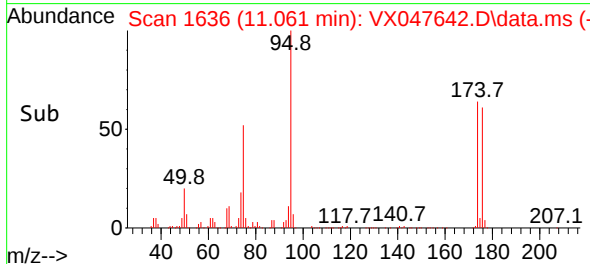
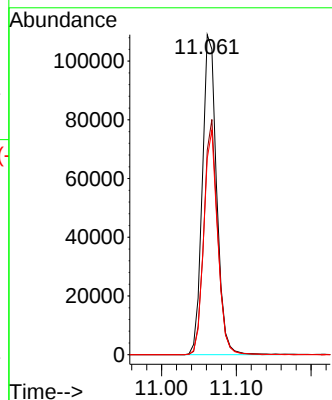
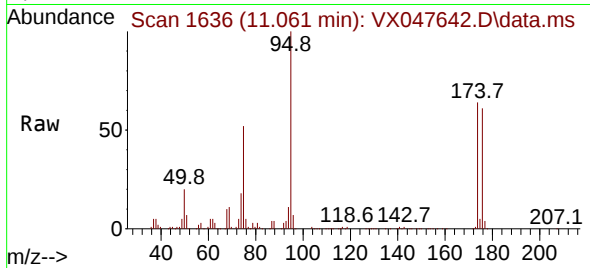




#62  
4-Bromofluorobenzene  
Concen: 47.288 ug/l  
RT: 11.061 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

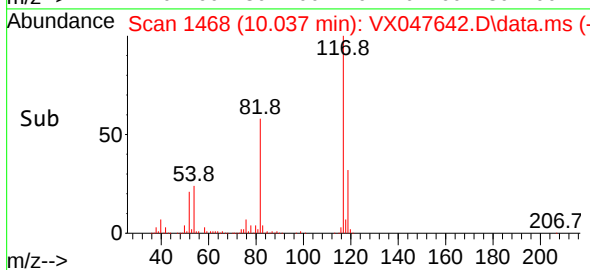
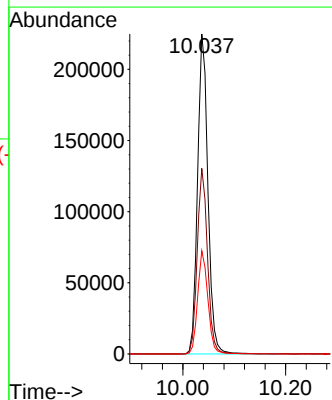
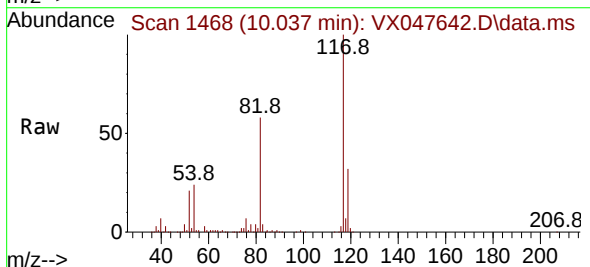
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D1-20250909

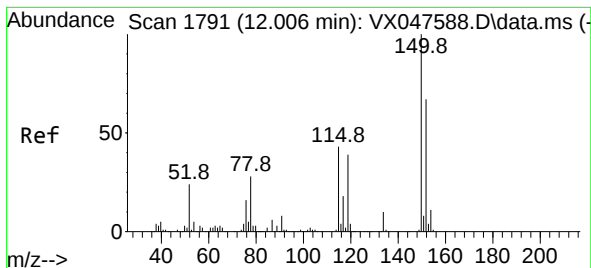
Tgt Ion: 95 Resp: 144530  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 141.6  
176 68.4 0.0 138.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX047642.D  
Acq: 18 Sep 2025 15:43

Tgt Ion: 117 Resp: 315013  
Ion Ratio Lower Upper  
117 100  
82 58.0 47.8 71.6  
119 32.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047642.D

Acq: 18 Sep 2025 15:43

Instrument :

MSVOA\_X

ClientSampleId :

RE123D1-20250909

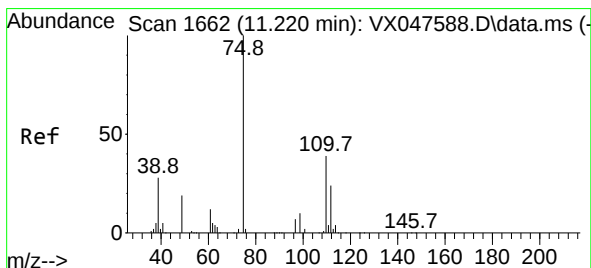
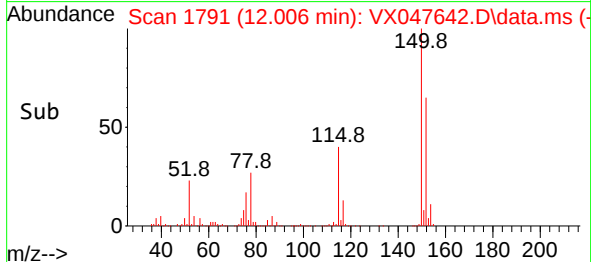
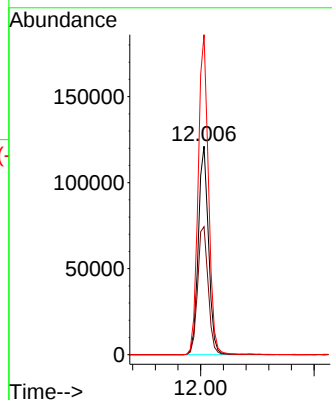
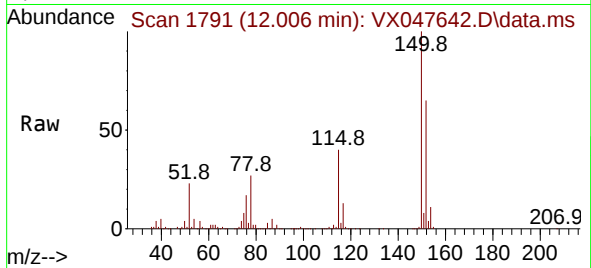
Tgt Ion:152 Resp: 151637

Ion Ratio Lower Upper

152 100

115 63.3 44.9 134.5

150 154.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 24.242 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047642.D

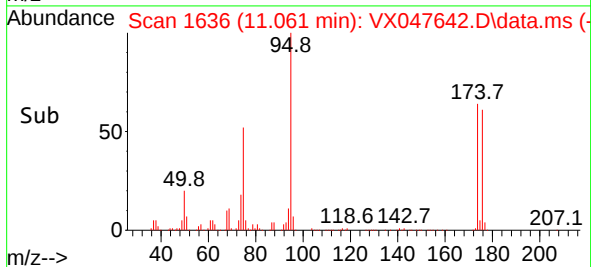
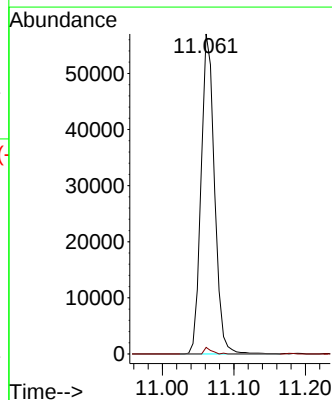
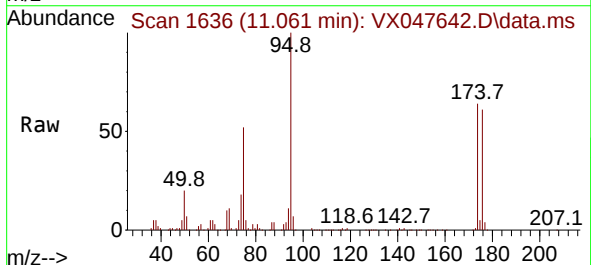
Acq: 18 Sep 2025 15:43

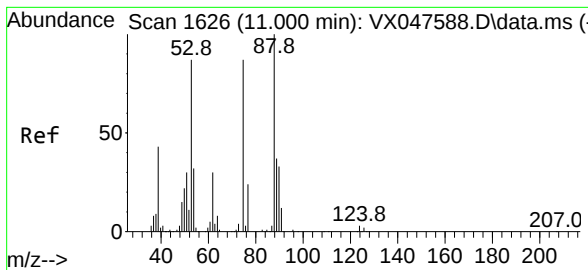
Tgt Ion: 75 Resp: 74428

Ion Ratio Lower Upper

75 100

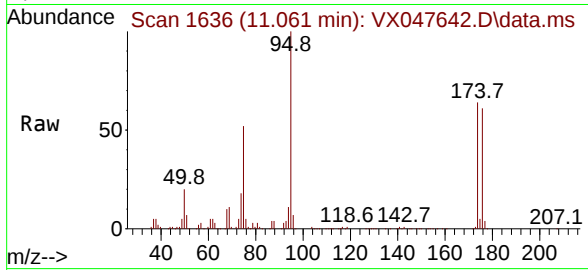
77 1.1 18.8 56.4#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.821 ug/l  
 RT: 11.061 min Scan# 11  
 Delta R.T. 0.061 min  
 Lab File: VX047642.D  
 Acq: 18 Sep 2025 15:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE123D1-20250909



Tgt Ion: 75 Resp: 74428  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.4 125.2#  
 89 0.0 36.3 54.5#

