

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040225\  
 Data File : VX045555.D  
 Acq On : 02 Apr 2025 18:24  
 Operator : JC/MD  
 Sample : Q1623-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Storage-Blank-WATER-REF-4

Quant Time: Apr 03 01:57:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

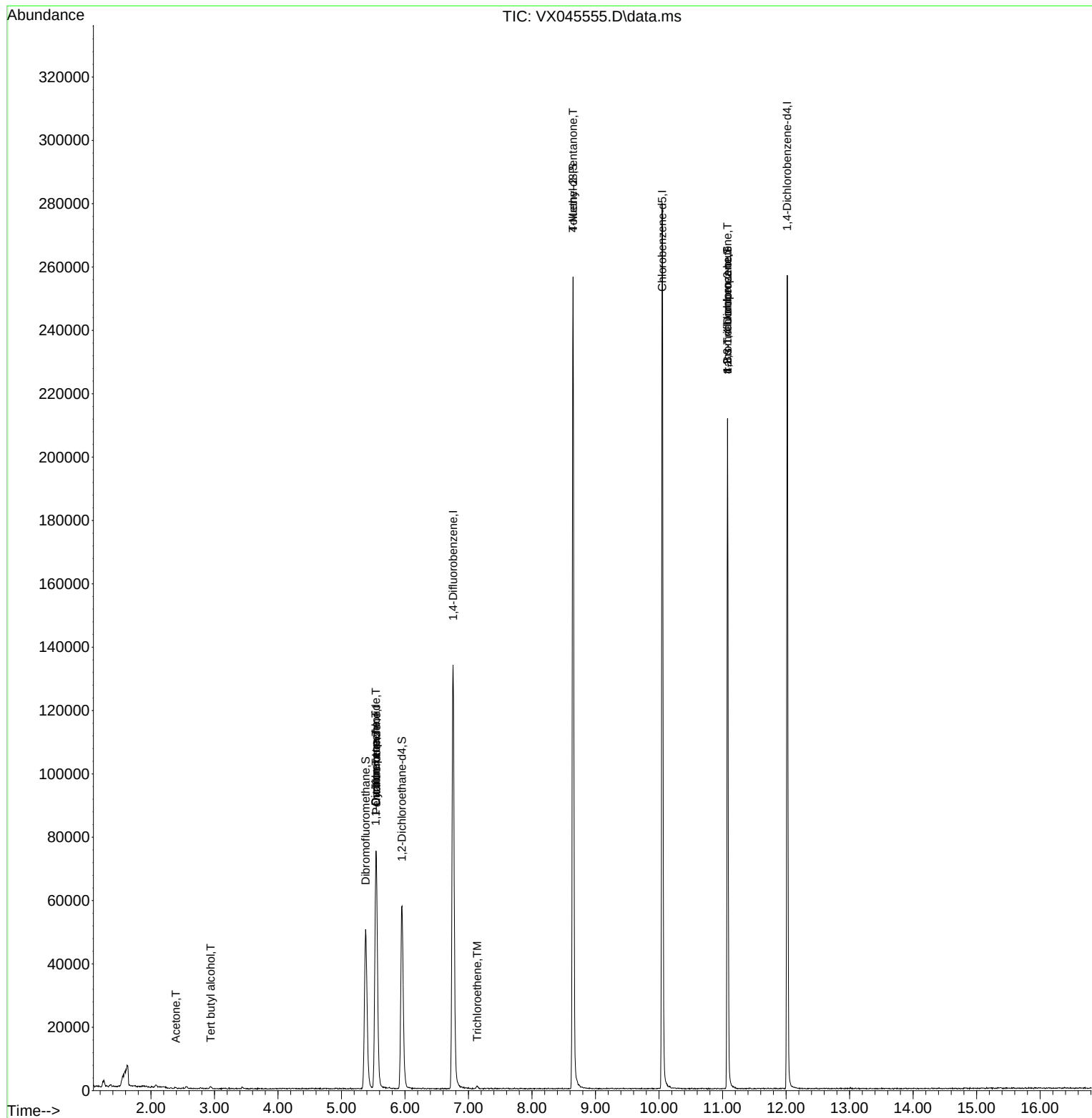
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 64727      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 127784     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049         | 117  | 117555     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 47802      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 58851      | 49.718  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 99.440% |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 42533      | 46.913  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 93.820% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 148463     | 46.915  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 93.840% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 54359      | 47.159  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 94.320% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 11) Tert butyl alcohol        | 2.941          | 59   | 258        | 1.622   | ug/l # | 72       |
| 16) Acetone                   | 2.392          | 43   | 344        | 0.708   | ug/l # | 47       |
| 31) Cyclohexane               | 5.544          | 56   | 2070       | 1.426   | ug/l # | 58       |
| 36) 1,1-Dichloropropene       | 5.538          | 75   | 6773       | 5.533   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 7506       | 5.674   | ug/l # | 15       |
| 44) Trichloroethene           | 7.135          | 130  | 428        | 0.482   | ug/l   | 62       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 905        | 0.584   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 31679      | 27.169  | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 31679      | 92.208  | ug/l # | 1        |
| -----                         |                |      |            |         |        |          |

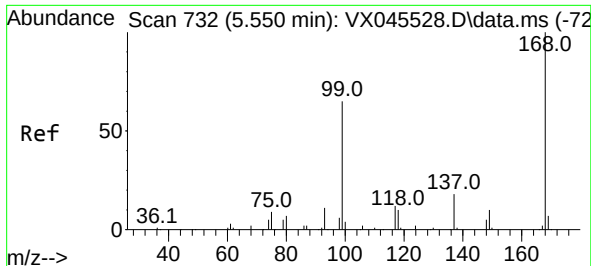
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-4

Quant Time: Apr 03 01:57:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX045555.D

Acq: 02 Apr 2025 18:24

Instrument :

MSVOA\_X

ClientSampleId :

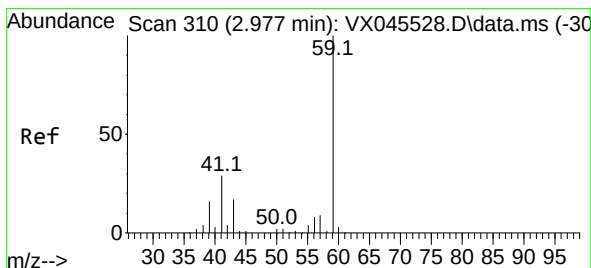
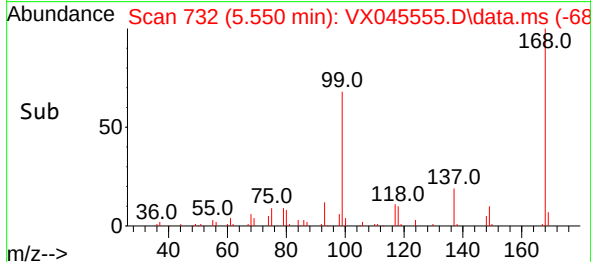
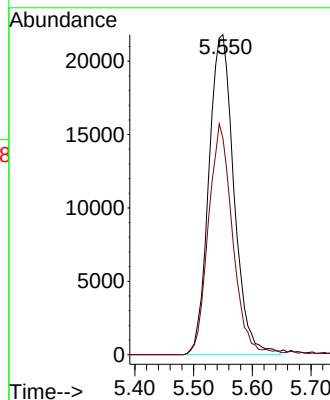
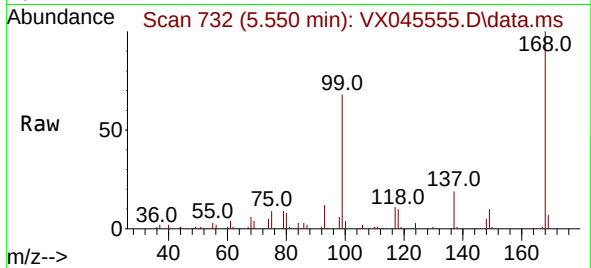
Storage-Blank-WATER-REF-4

Tgt Ion:168 Resp: 64727

Ion Ratio Lower Upper

168 100

99 67.7 52.3 78.5



#11

Tert butyl alcohol

Concen: 1.622 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.037 min

Lab File: VX045555.D

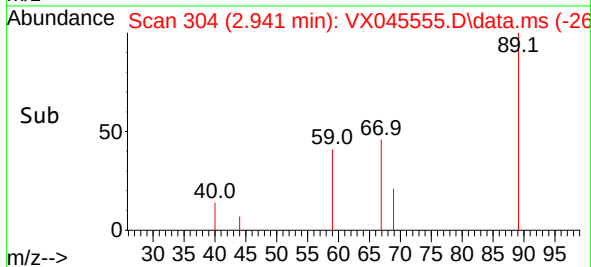
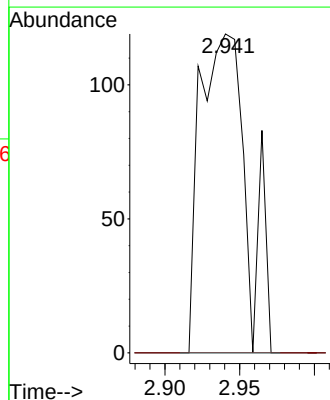
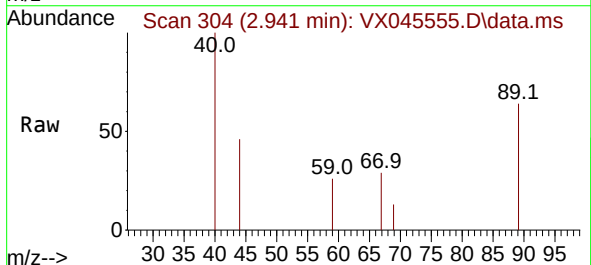
Acq: 02 Apr 2025 18:24

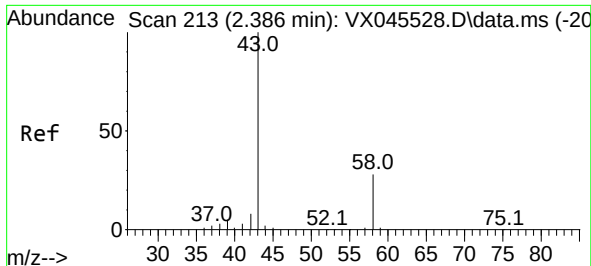
Tgt Ion: 59 Resp: 258

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#16

Acetone

Concen: 0.708 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX045555.D

Acq: 02 Apr 2025 18:24

Instrument :

MSVOA\_X

ClientSampleId :

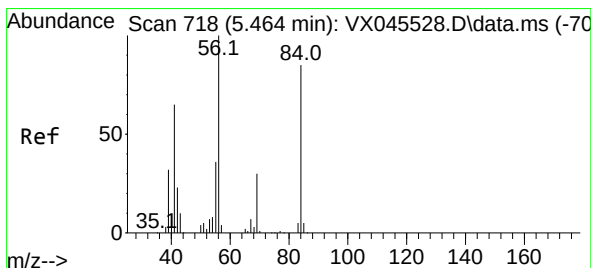
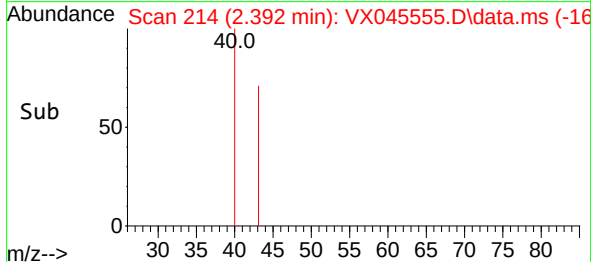
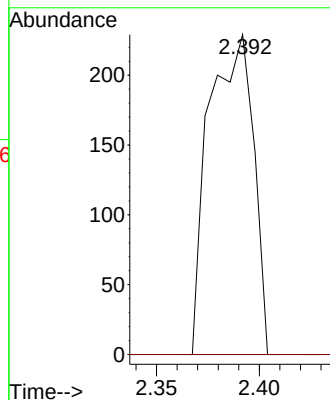
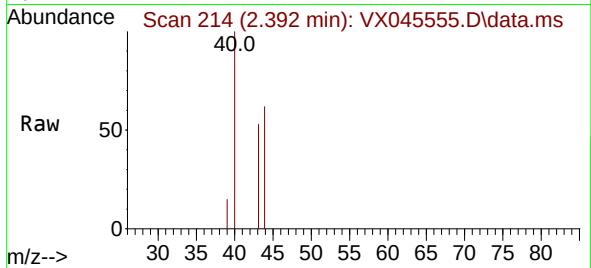
Storage-Blank-WATER-REF-4

Tgt Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#31

Cyclohexane

Concen: 1.426 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045555.D

Acq: 02 Apr 2025 18:24

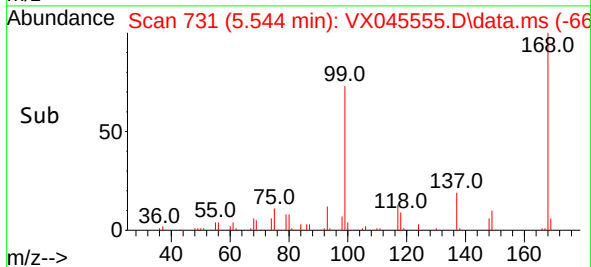
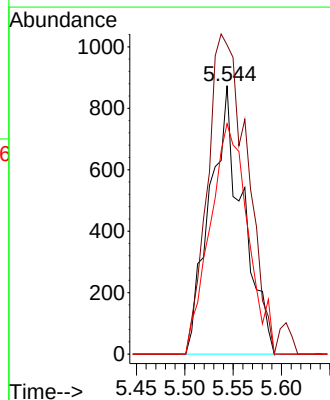
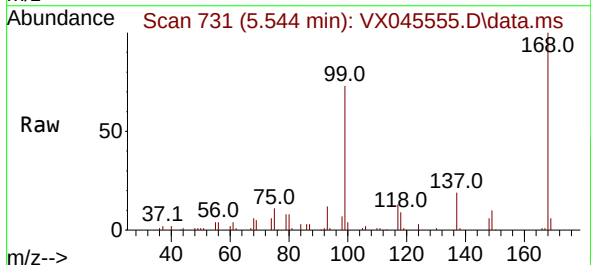
Tgt Ion: 56 Resp: 2070

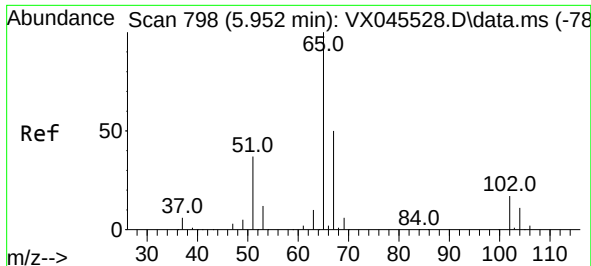
Ion Ratio Lower Upper

56 100

69 115.1 23.6 35.4#

84 85.8 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 49.718 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045555.D

Acq: 02 Apr 2025 18:24

Instrument :

MSVOA\_X

ClientSampleId :

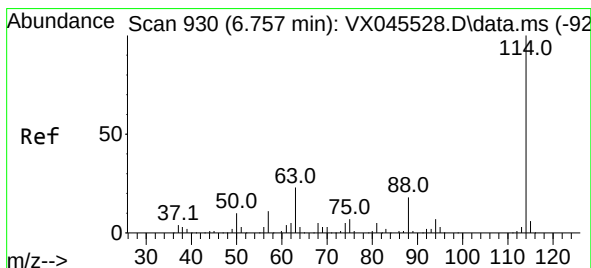
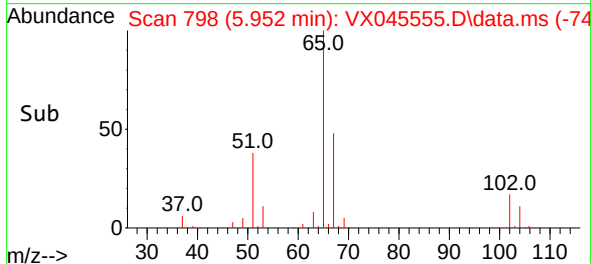
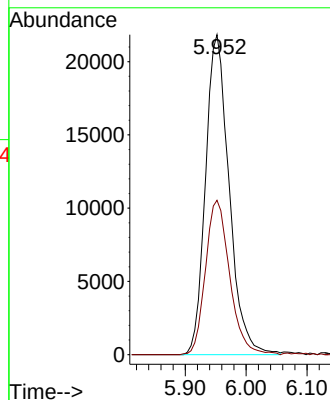
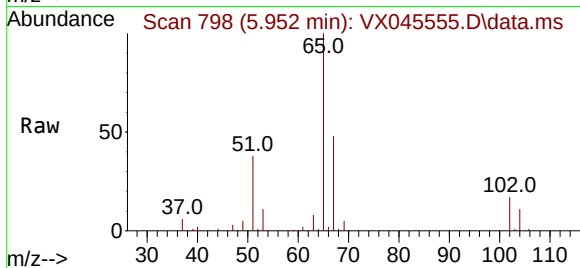
Storage-Blank-WATER-REF-4

Tgt Ion: 65 Resp: 58851

Ion Ratio Lower Upper

65 100

67 49.5 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: VX045555.D

Acq: 02 Apr 2025 18:24

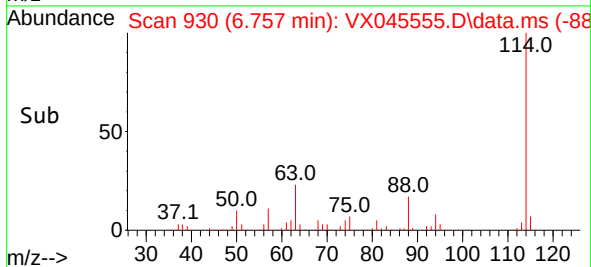
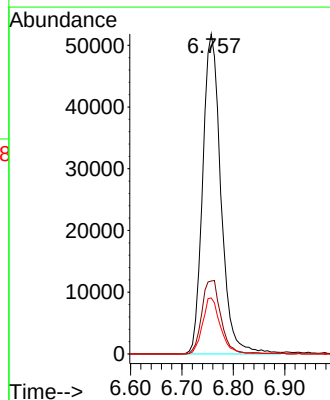
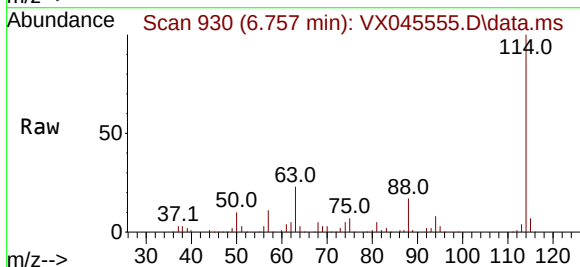
Tgt Ion: 114 Resp: 127784

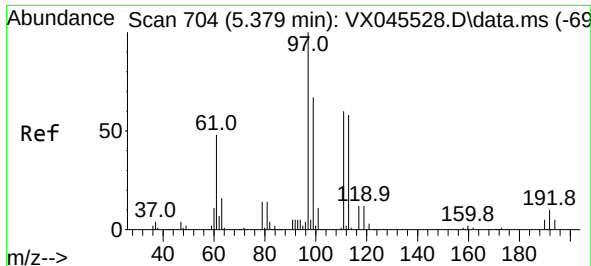
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.8

88 17.5 0.0 35.4

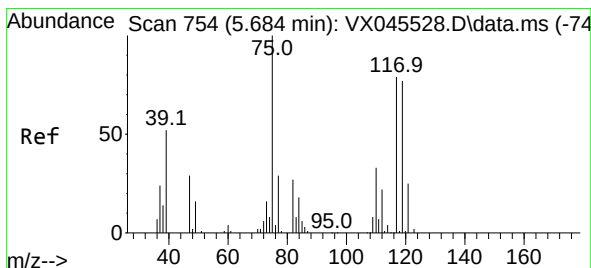
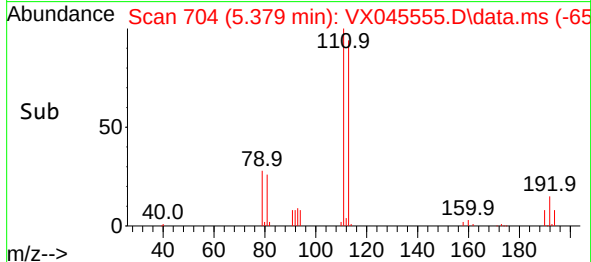
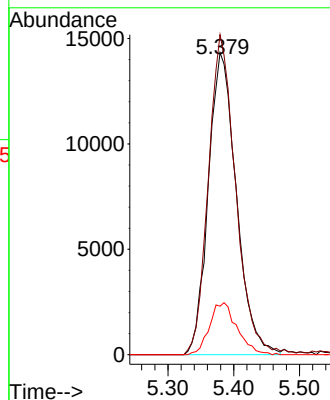
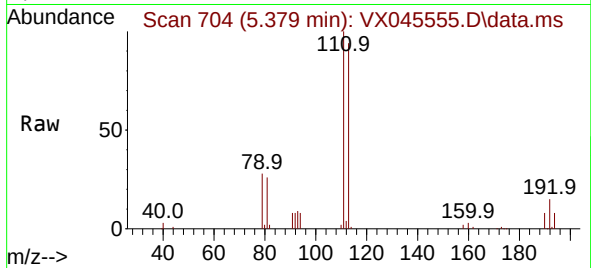




#35  
Dibromofluoromethane  
Concen: 46.913 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

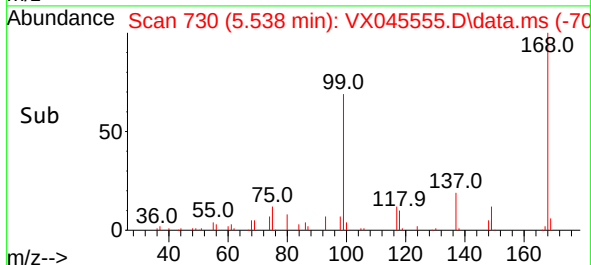
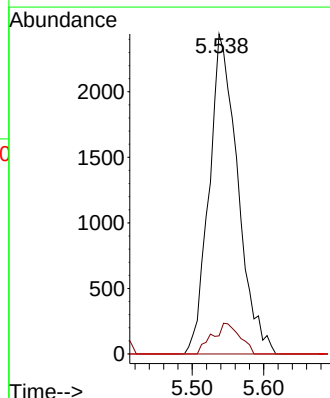
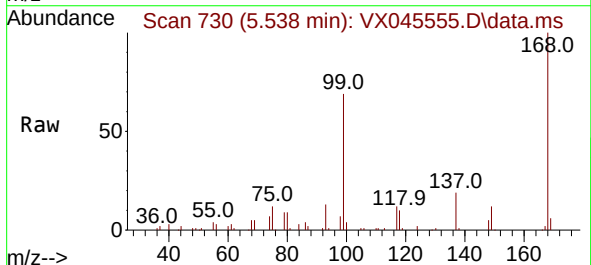
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-4

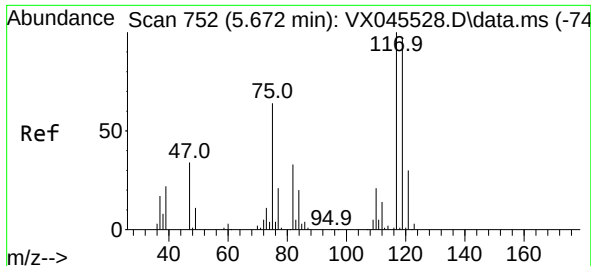
Tgt Ion:113 Resp: 42533  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.8 122.6  
192 17.0 13.8 20.6



#36  
1,1-Dichloropropene  
Concen: 5.533 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.146 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

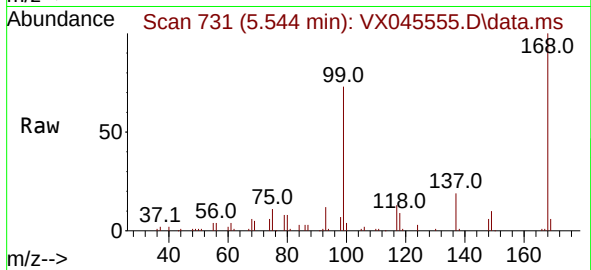
Tgt Ion: 75 Resp: 6773  
Ion Ratio Lower Upper  
75 100  
110 9.2 16.9 50.6#  
77 0.0 25.0 37.4#



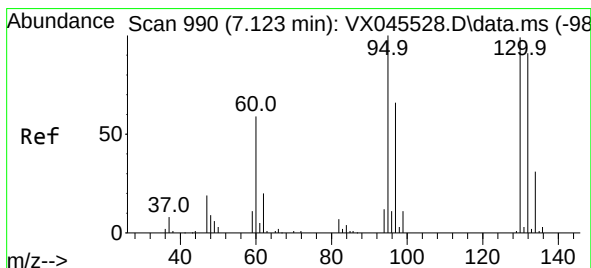
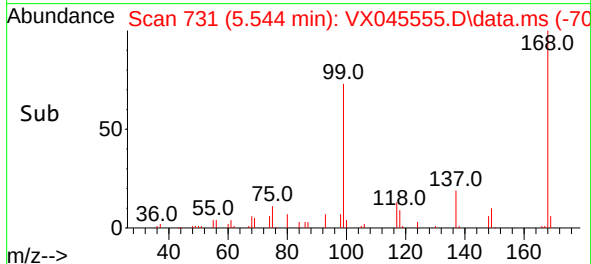
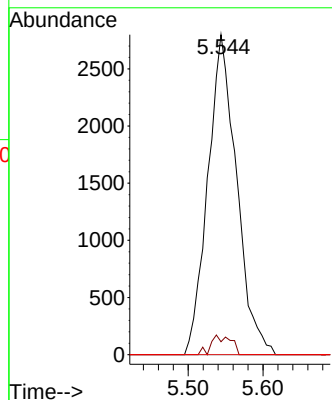


#38  
Carbon Tetrachloride  
Concen: 5.674 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-4

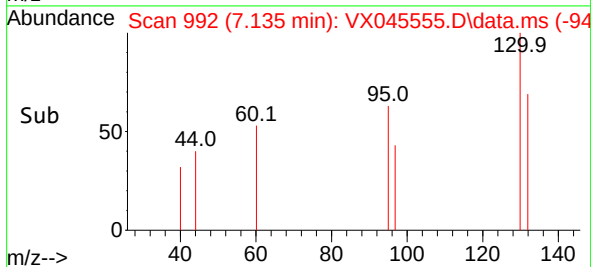
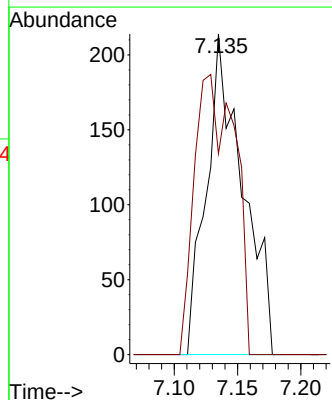
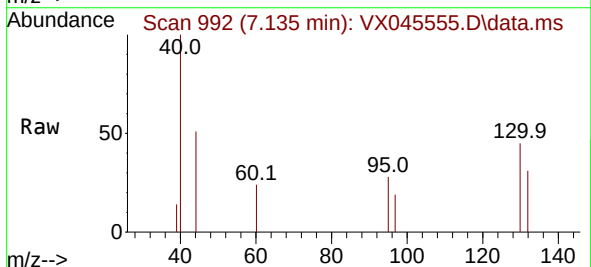


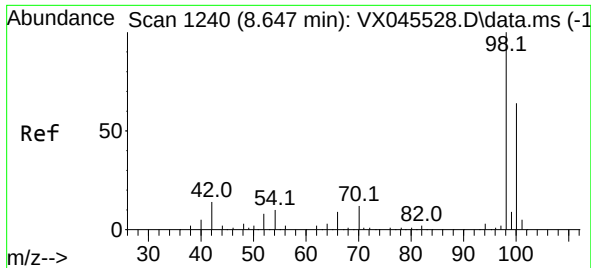
Tgt Ion:117 Resp: 7506  
Ion Ratio Lower Upper  
117 100  
119 4.0 76.9 115.3#  
121 0.0 24.2 36.2#



#44  
Trichloroethene  
Concen: 0.482 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

Tgt Ion:130 Resp: 428  
Ion Ratio Lower Upper  
130 100  
95 62.6 0.0 202.0

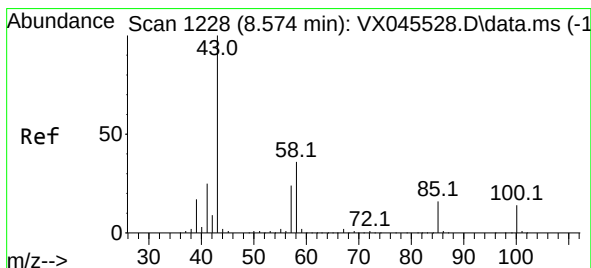
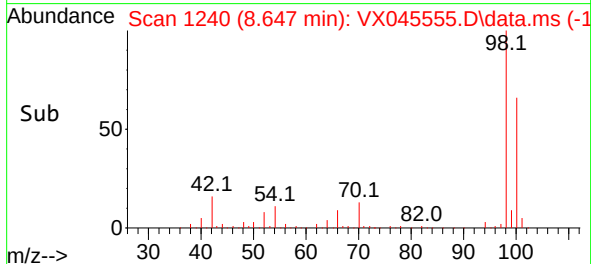
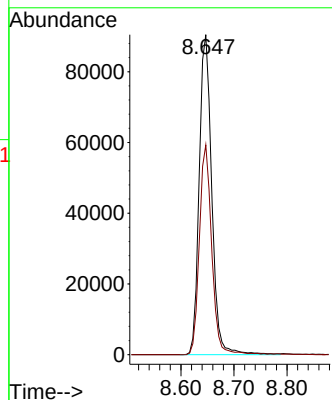
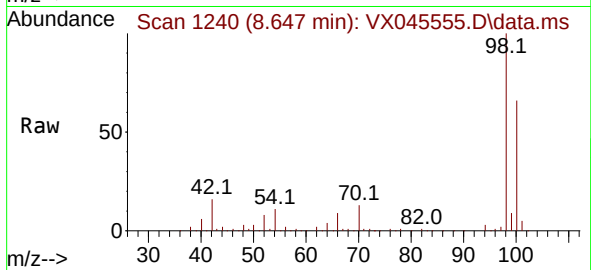




#50  
Toluene-d8  
Concen: 46.915 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

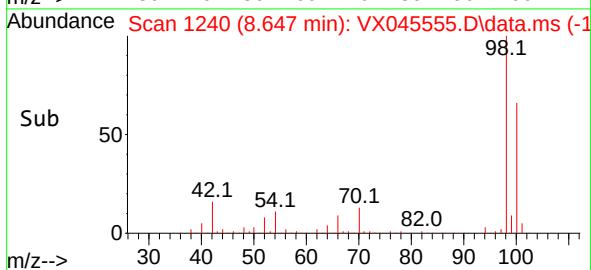
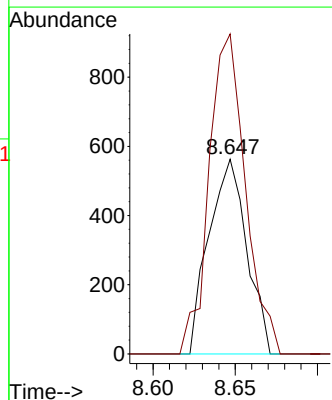
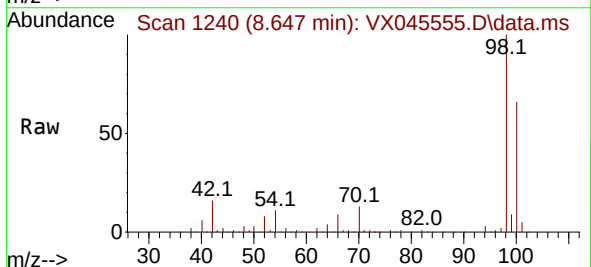
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-4

Tgt Ion: 98 Resp: 148463  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.2 78.4

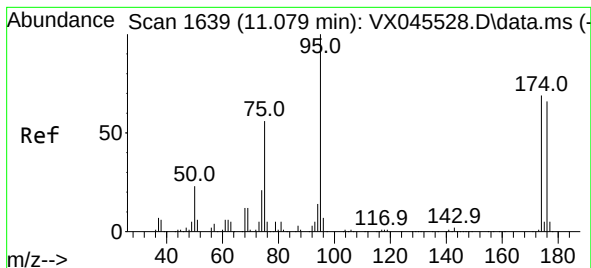


#51  
4-Methyl-2-Pentanone  
Concen: 0.584 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

Tgt Ion: 43 Resp: 905  
Ion Ratio Lower Upper  
43 100  
58 157.2 28.5 42.7#



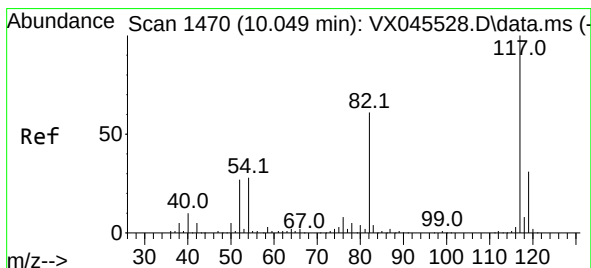
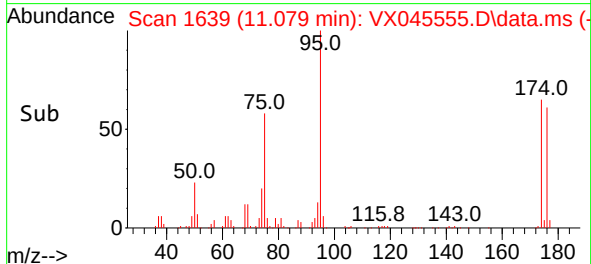
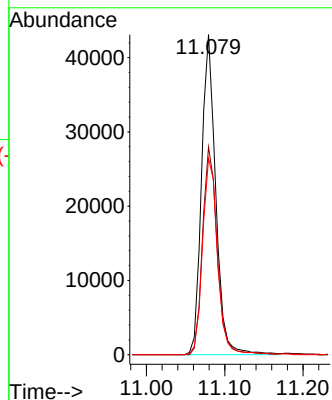
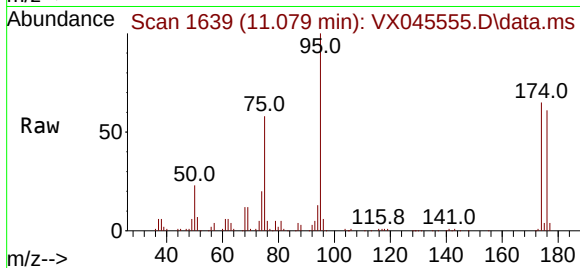




#62  
4-Bromofluorobenzene  
Concen: 47.159 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

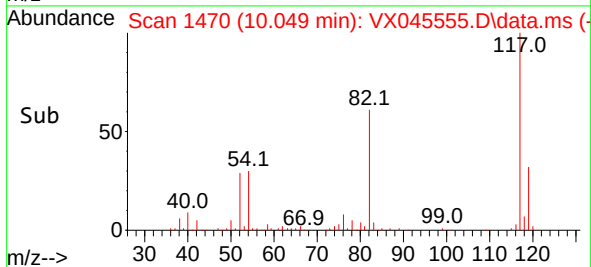
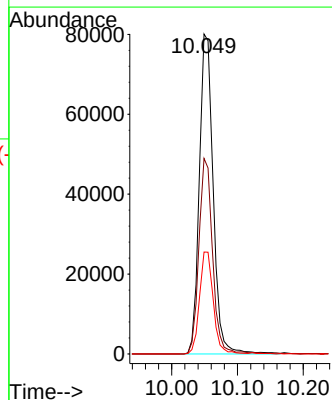
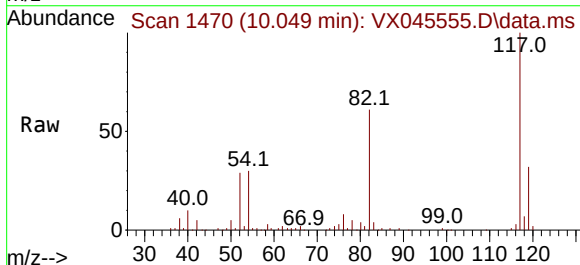
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-4

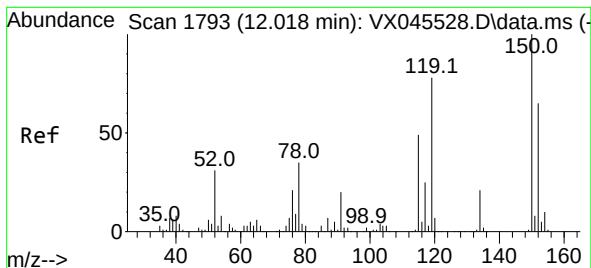
Tgt Ion: 95 Resp: 54359  
Ion Ratio Lower Upper  
95 100  
174 67.0 0.0 135.8  
176 64.3 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX045555.D  
Acq: 02 Apr 2025 18:24

Tgt Ion: 117 Resp: 117555  
Ion Ratio Lower Upper  
117 100  
82 61.1 49.2 73.8  
119 31.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045555.D

Acq: 02 Apr 2025 18:24

Instrument :

MSVOA\_X

ClientSampleId :

Storage-Blank-WATER-REF-4

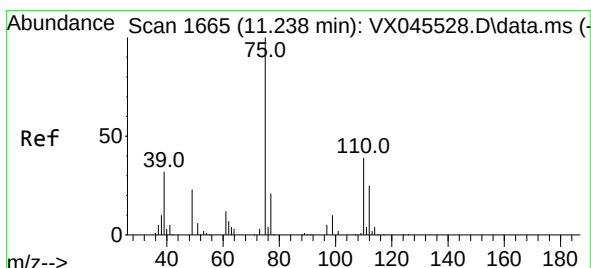
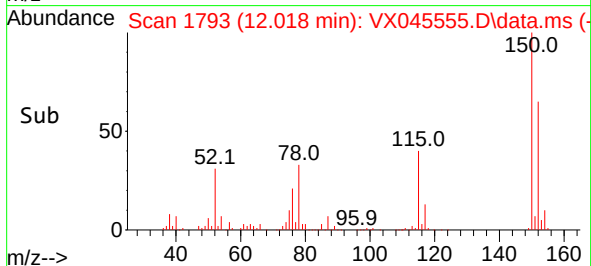
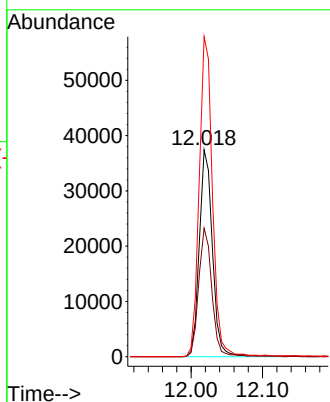
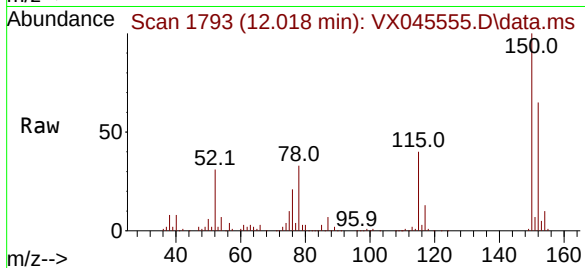
Tgt Ion:152 Resp: 47802

Ion Ratio Lower Upper

152 100

115 62.3 46.9 140.7

150 156.2 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 27.169 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045555.D

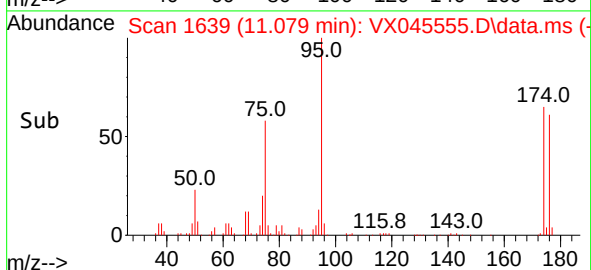
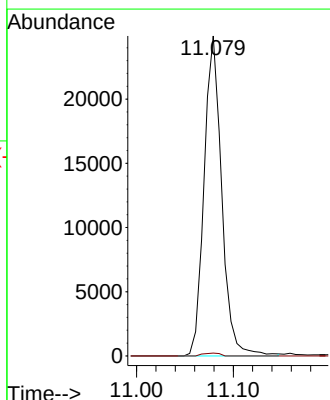
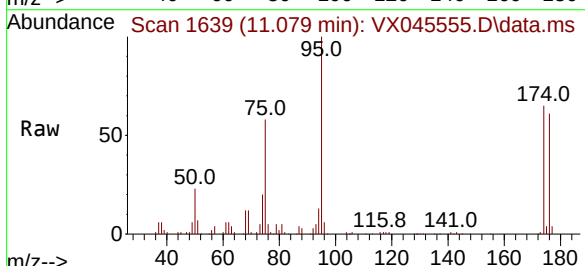
Acq: 02 Apr 2025 18:24

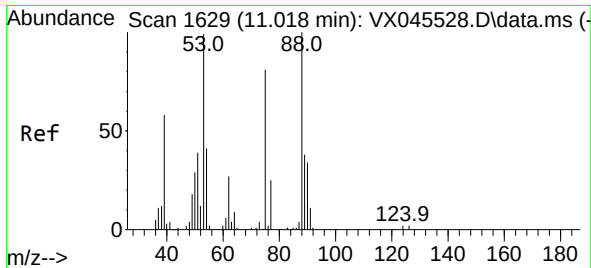
Tgt Ion: 75 Resp: 31679

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 92.208 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045555.D  
 Acq: 02 Apr 2025 18:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Storage-Blank-WATER-REF-4

Tgt Ion: 75 Resp: 31679  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 101.8 152.6#  
 89 0.0 37.2 55.8#

