

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081225\  
 Data File : VX047303.D  
 Acq On : 12 Aug 2025 17:28  
 Operator : JC/MD  
 Sample : Q2814-13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-BP-N

Quant Time: Aug 13 01:24:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

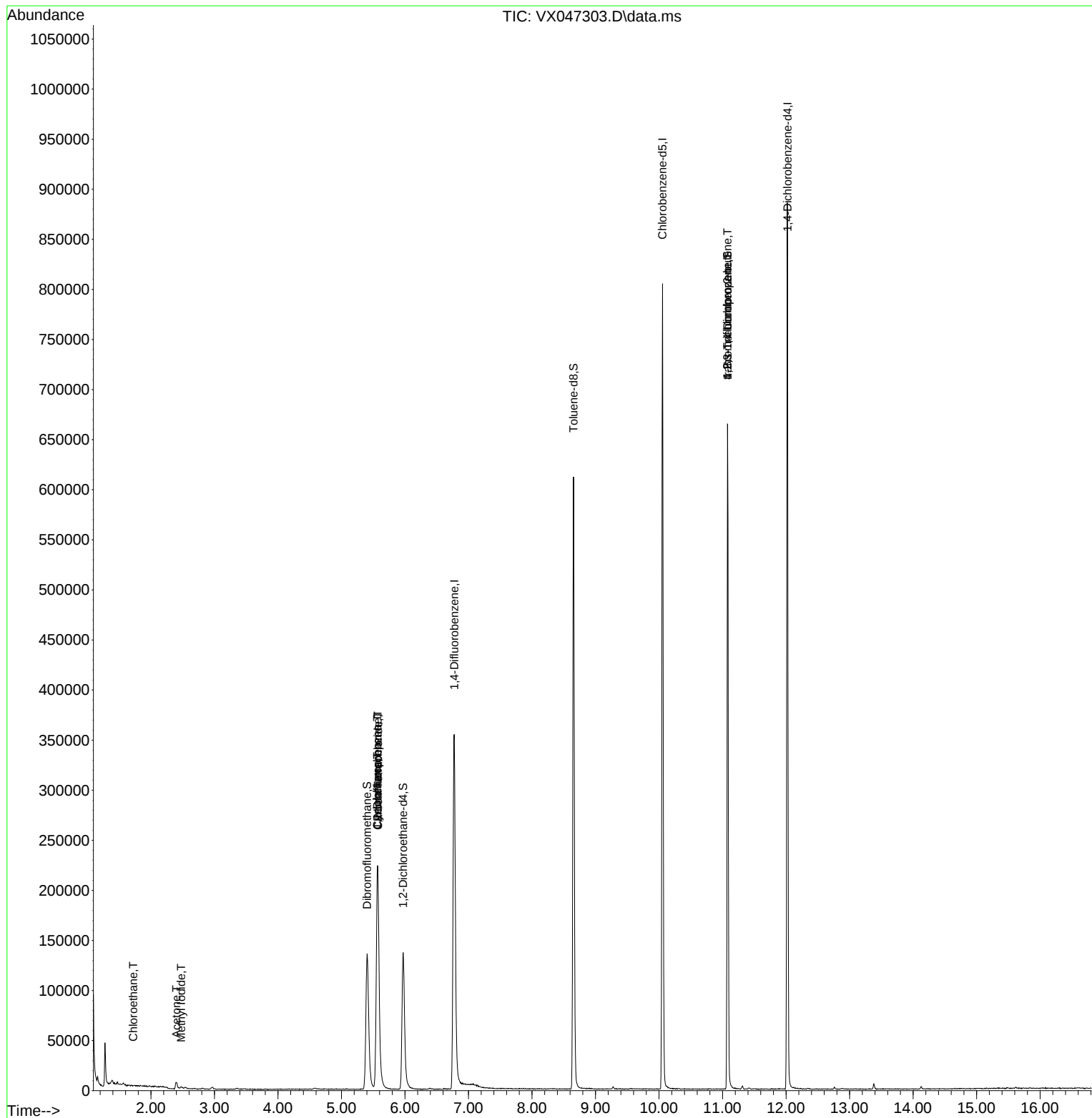
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.568     | 168   | 226893   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.775     | 114   | 392505   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 356804   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 179716   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.970     | 65    | 148316   | 52.476    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery  | = 104.960% |          |
| 35) Dibromofluoromethane      | 5.403     | 113   | 131559   | 54.286    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 108.580% |          |
| 50) Toluene-d8                | 8.653     | 98    | 362915   | 46.241    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery  | = 92.480%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 176382   | 52.150    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | = 104.300% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 6) Chloroethane               | 1.721     | 64    | 446      | 0.212     | ug/l #     | 43       |
| 10) Methyl Iodide             | 2.477     | 142   | 2135     | 0.728     | ug/l #     | 83       |
| 11) Tert butyl alcohol        | 2.958     | 59    | 620      | Below Cal | #          | 72       |
| 16) Acetone                   | 2.398     | 43    | 11208    | 9.899     | ug/l       | 95       |
| 31) Cyclohexane               | 5.562     | 56    | 4651     | 0.880     | ug/l #     | 28       |
| 36) 1,1-Dichloropropene       | 5.562     | 75    | 18313    | 4.433     | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 5.574     | 117   | 23754    | 5.388     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 92706    | 27.869    | ug/l #     | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 92706    | 71.802    | ug/l #     | 8        |
| -----                         |           |       |          |           |            |          |

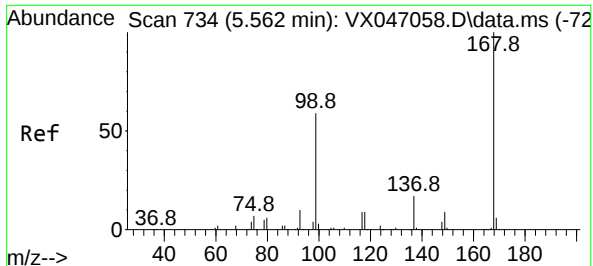
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-BP-N

Quant Time: Aug 13 01:24:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 2025  
Response via : Initial Calibration

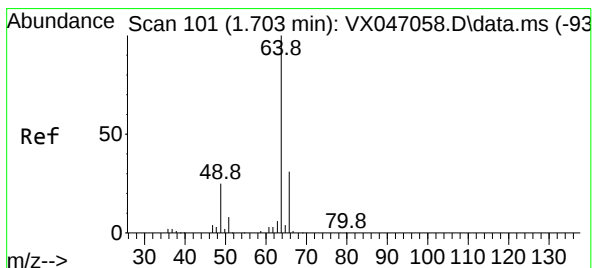
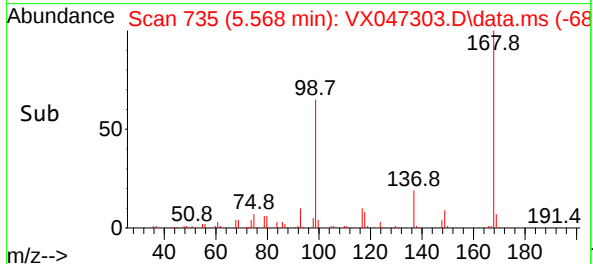
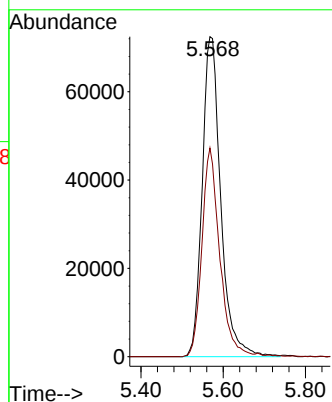
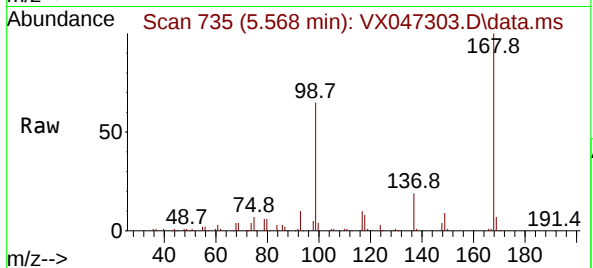




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

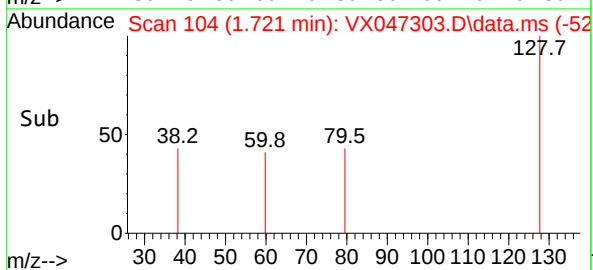
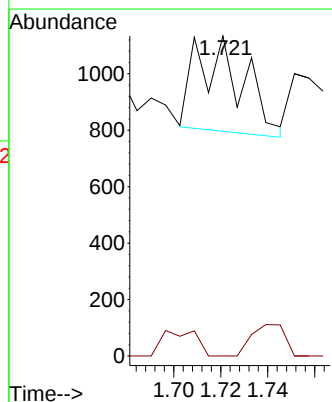
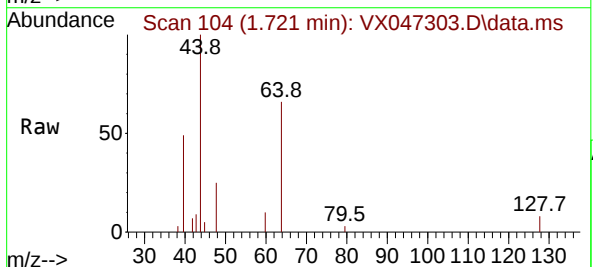
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-BP-N

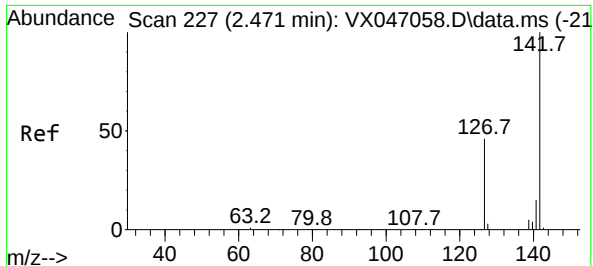
Tgt Ion:168 Resp: 226893  
Ion Ratio Lower Upper  
168 100  
99 65.2 48.0 72.0



#6  
Chloroethane  
Concen: 0.212 ug/l  
RT: 1.721 min Scan# 104  
Delta R.T. 0.018 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

Tgt Ion: 64 Resp: 446  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.0 37.6#

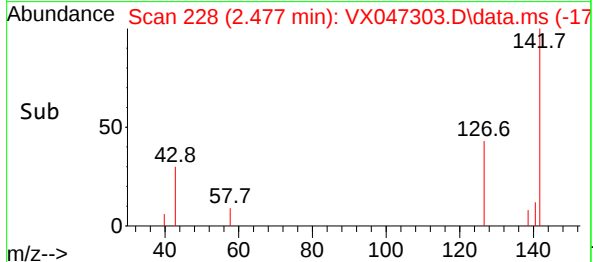
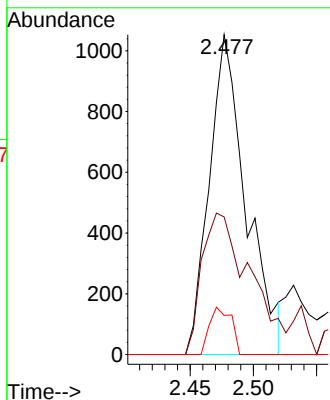
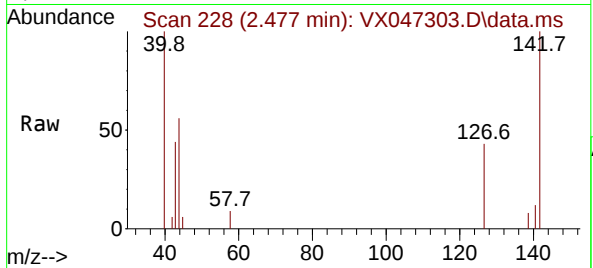




#10  
Methyl Iodide  
Concen: 0.728 ug/l  
RT: 2.477 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

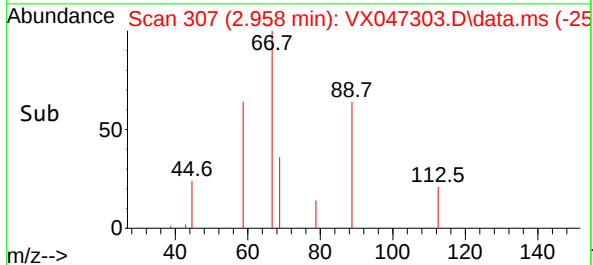
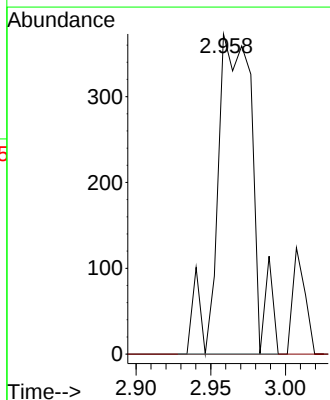
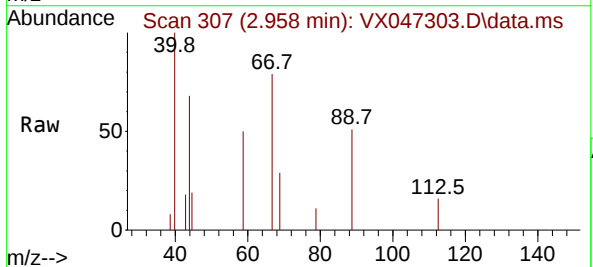
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-BP-N

Tgt Ion:142 Resp: 2135  
Ion Ratio Lower Upper  
142 100  
127 57.9 36.6 54.8#  
141 8.7 10.9 16.3#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.958 min Scan# 307  
Delta R.T. 0.000 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

Tgt Ion: 59 Resp: 620  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#

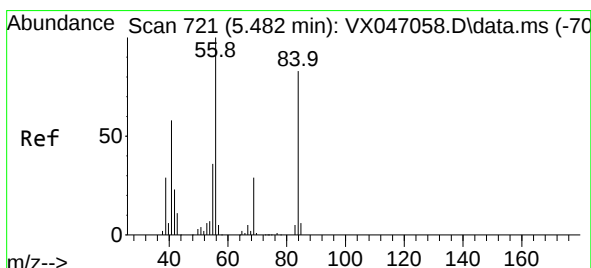
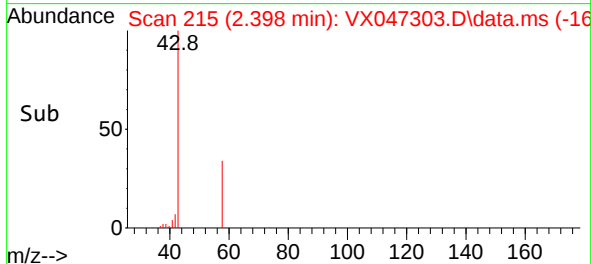
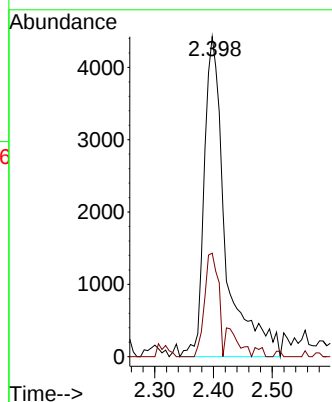
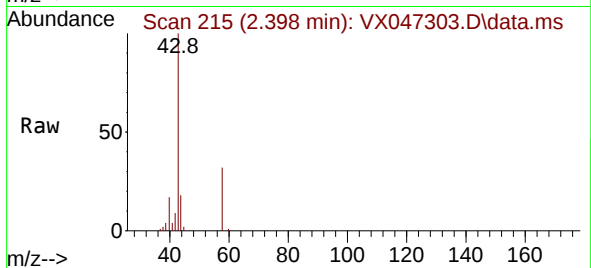




#16  
Acetone  
Concen: 9.899 ug/l  
RT: 2.398 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

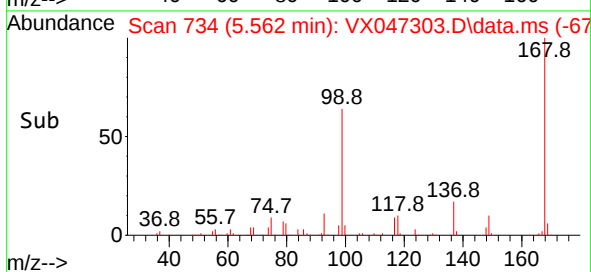
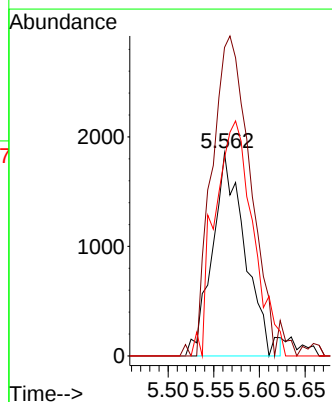
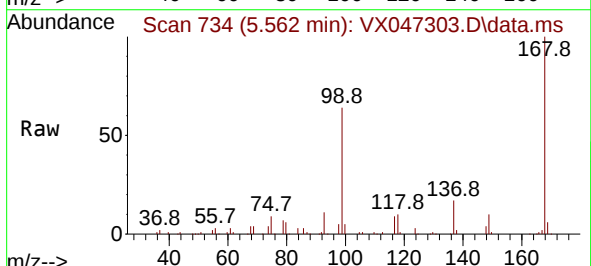
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-BP-N

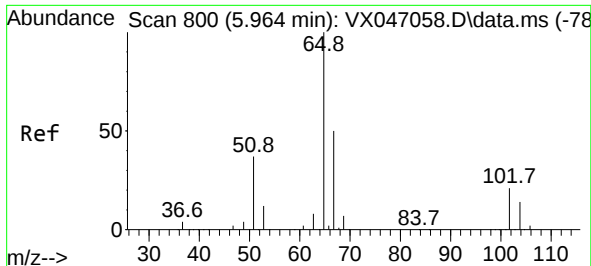
Tgt Ion: 43 Resp: 11208  
Ion Ratio Lower Upper  
43 100  
58 27.4 24.0 36.0



#31  
Cyclohexane  
Concen: 0.880 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.079 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

Tgt Ion: 56 Resp: 4651  
Ion Ratio Lower Upper  
56 100  
69 152.1 23.3 34.9#  
84 97.7 66.5 99.7

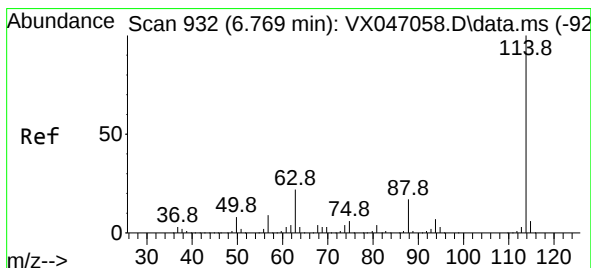
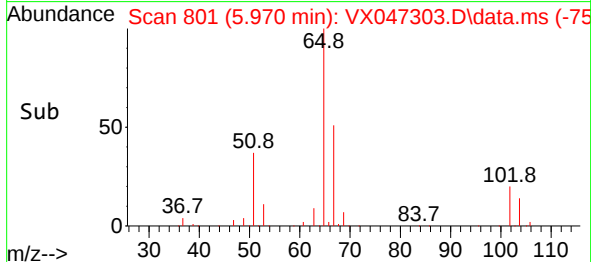
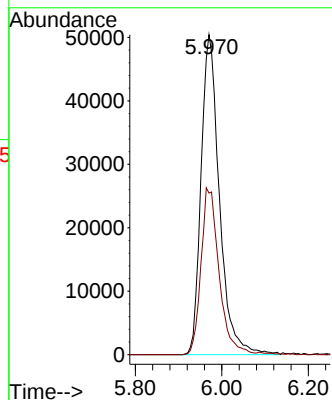
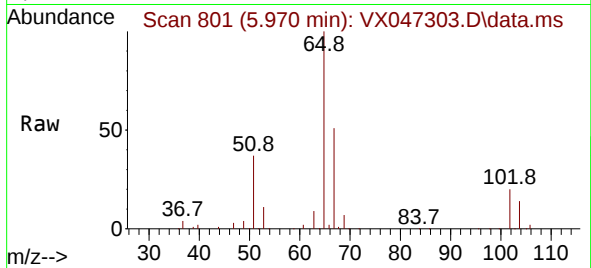




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.476 ug/l  
 RT: 5.970 min Scan# 801  
 Delta R.T. 0.006 min  
 Lab File: VX047303.D  
 Acq: 12 Aug 2025 17:28

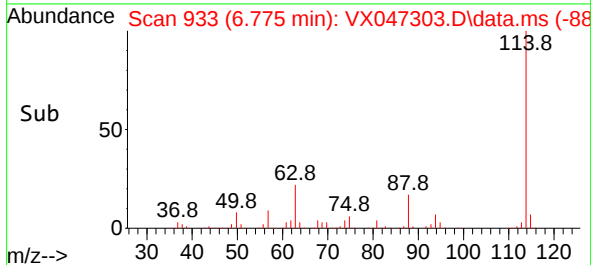
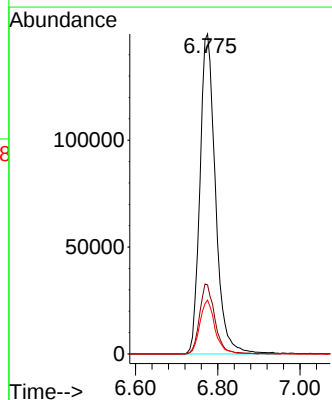
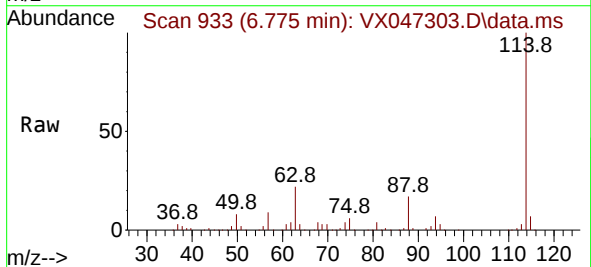
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-BP-N

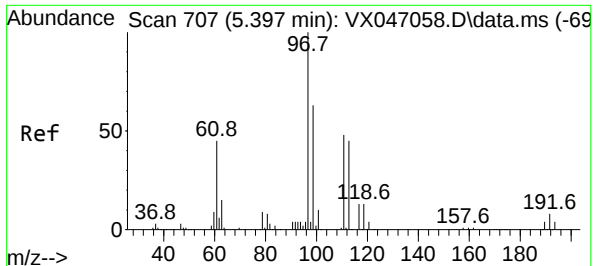
Tgt Ion: 65 Resp: 148316  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.775 min Scan# 933  
 Delta R.T. 0.006 min  
 Lab File: VX047303.D  
 Acq: 12 Aug 2025 17:28

Tgt Ion: 114 Resp: 392505  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 43.2  
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.286 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047303.D

Acq: 12 Aug 2025 17:28

Instrument :

MSVOA\_X

ClientSampleId :

TW-BP-N

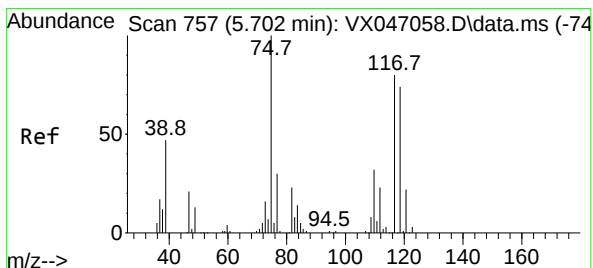
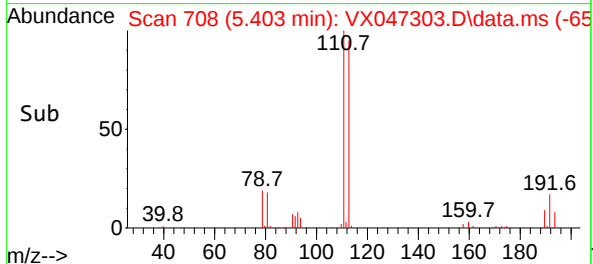
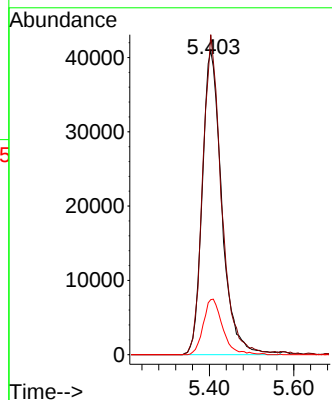
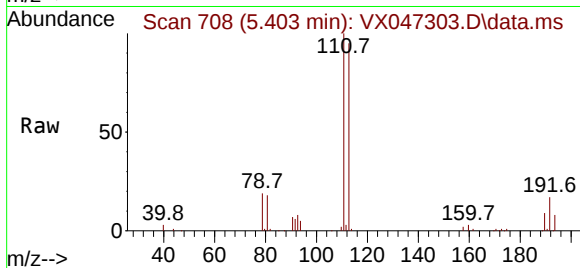
Tgt Ion:113 Resp: 131559

Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

192 18.1 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.433 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047303.D

Acq: 12 Aug 2025 17:28

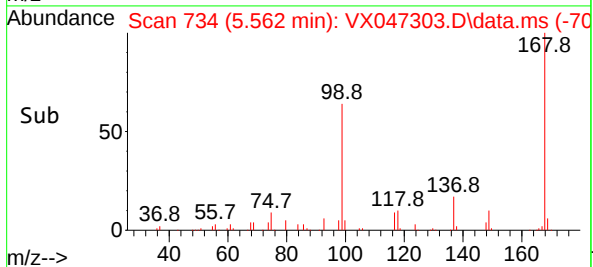
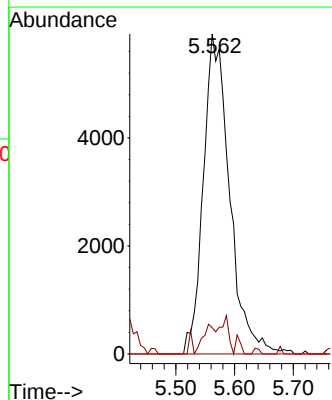
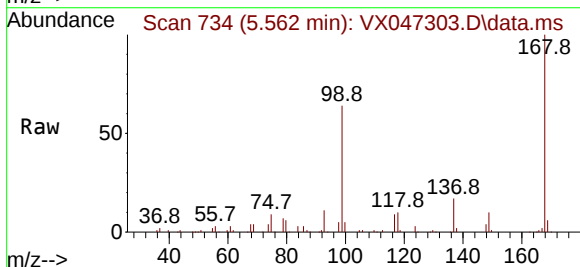
Tgt Ion: 75 Resp: 18313

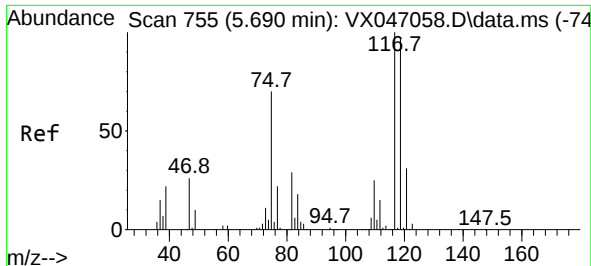
Ion Ratio Lower Upper

75 100

110 4.4 17.2 51.5#

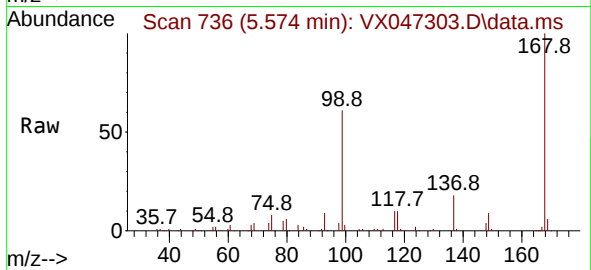
77 0.0 25.1 37.7#



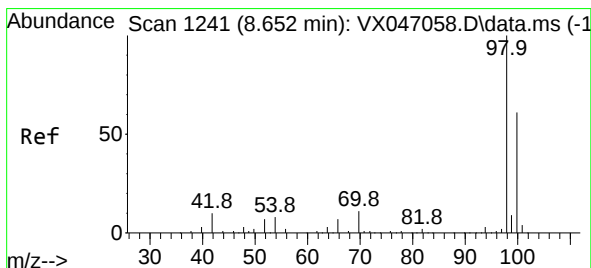
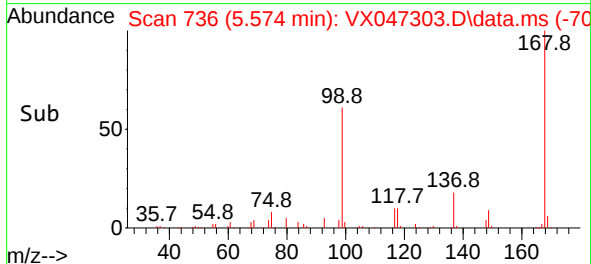
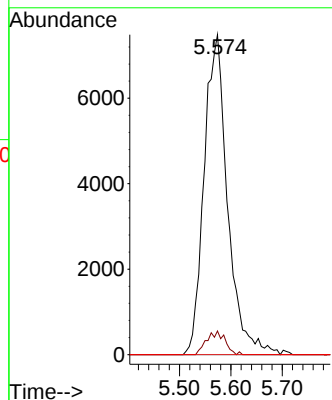


#38  
Carbon Tetrachloride  
Concen: 5.388 ug/l  
RT: 5.574 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

Instrument :  
MSVOA\_X  
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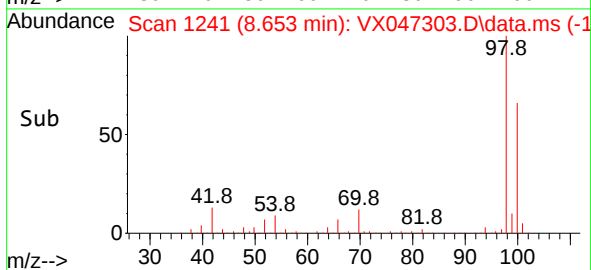
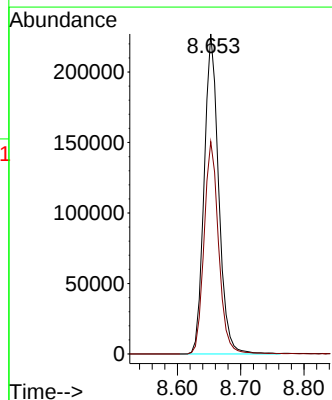
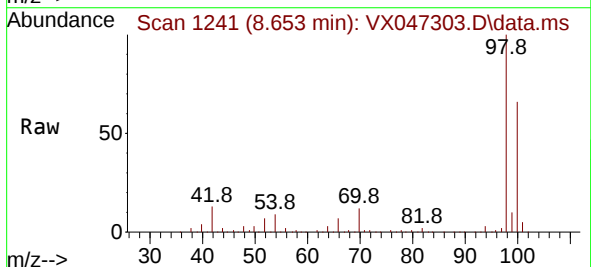


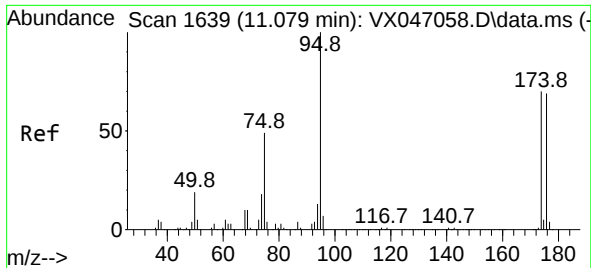
Tgt Ion:117 Resp: 23754  
Ion Ratio Lower Upper  
117 100  
119 7.4 76.6 115.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 46.241 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

Tgt Ion: 98 Resp: 362915  
Ion Ratio Lower Upper  
98 100  
100 66.5 53.3 79.9

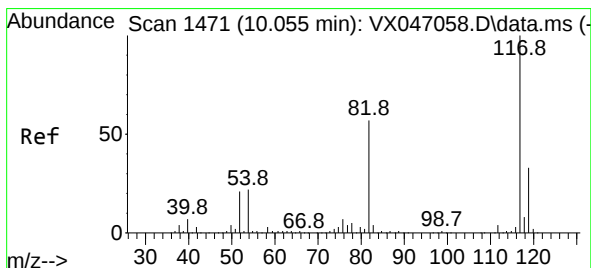
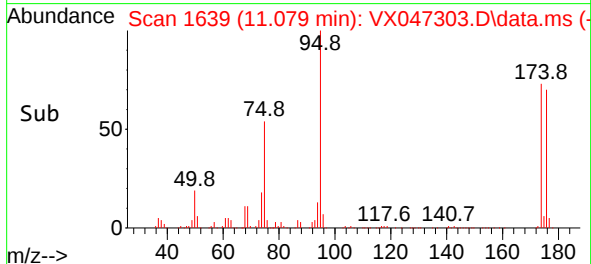
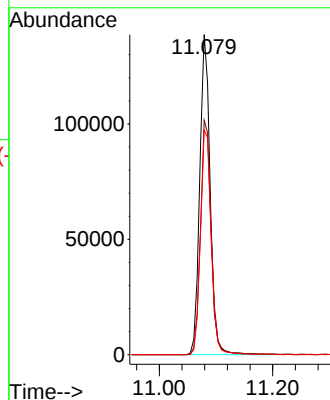
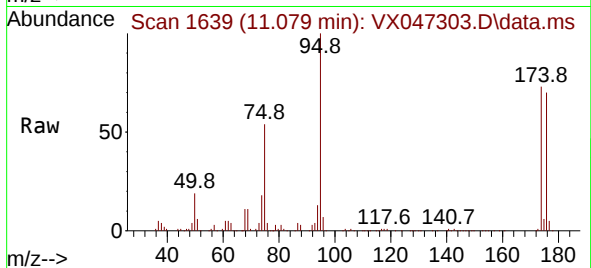




#62  
4-Bromofluorobenzene  
Concen: 52.150 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

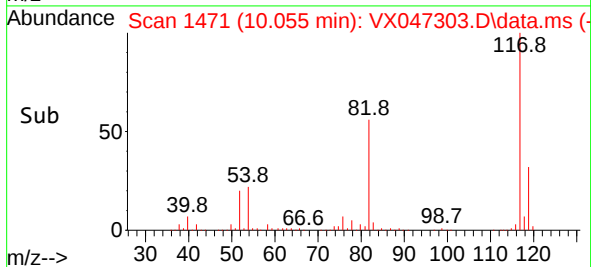
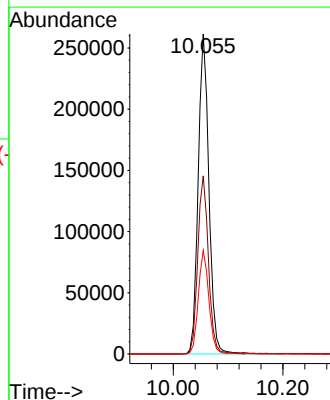
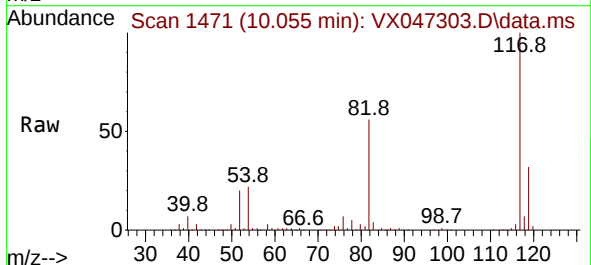
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-BP-N

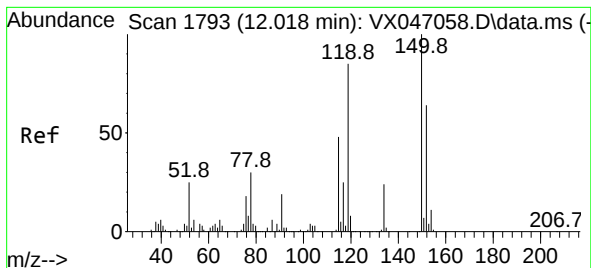
Tgt Ion: 95 Resp: 176382  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 144.6  
176 71.8 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047303.D  
Acq: 12 Aug 2025 17:28

Tgt Ion: 117 Resp: 356804  
Ion Ratio Lower Upper  
117 100  
82 55.6 45.4 68.2  
119 32.4 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047303.D

Acq: 12 Aug 2025 17:28

Instrument :

MSVOA\_X

ClientSampleId :

TW-BP-N

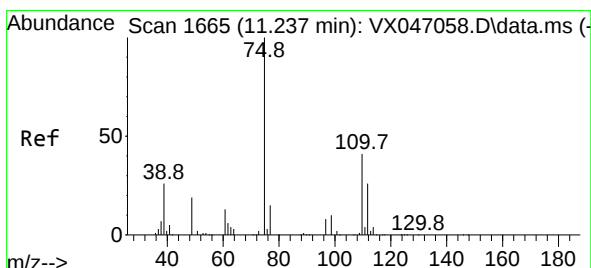
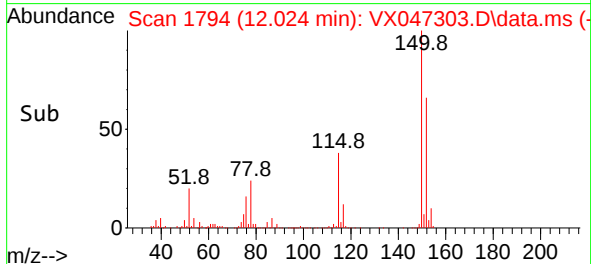
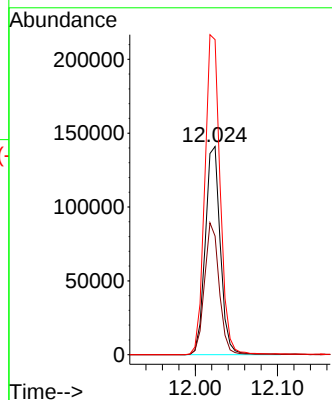
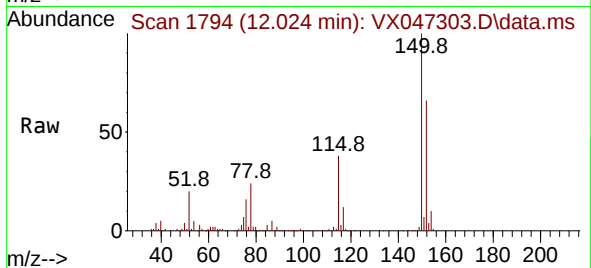
Tgt Ion:152 Resp: 179716

Ion Ratio Lower Upper

152 100

115 61.9 45.6 136.7

150 156.1 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 27.869 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047303.D

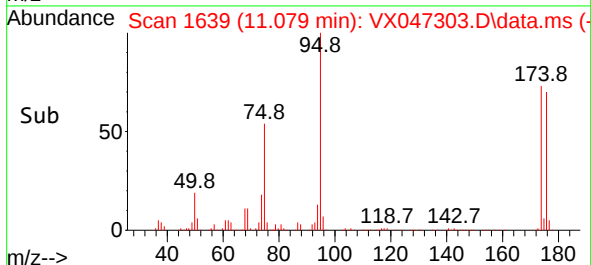
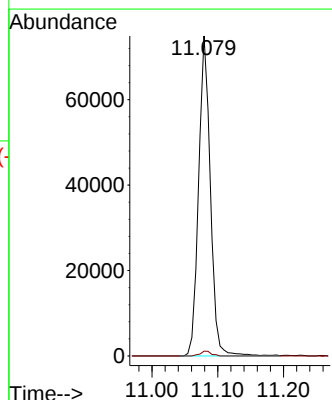
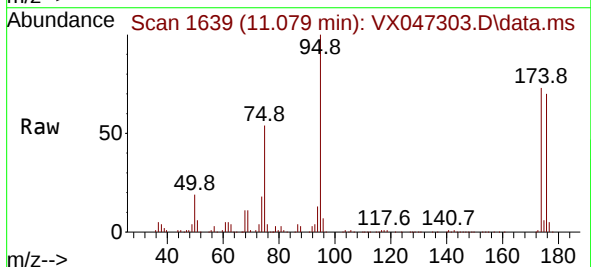
Acq: 12 Aug 2025 17:28

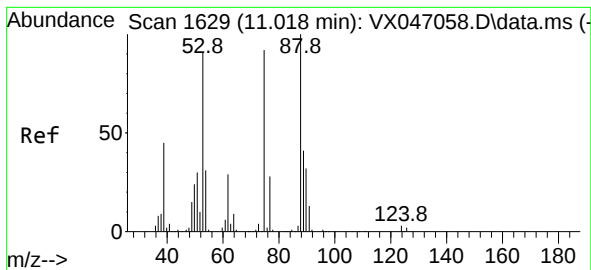
Tgt Ion: 75 Resp: 92706

Ion Ratio Lower Upper

75 100

77 1.4 21.6 65.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 71.802 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX047303.D  
 Acq: 12 Aug 2025 17:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-BP-N

Tgt Ion: 75 Resp: 92706  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 84.2 126.4#  
 89 0.0 36.0 54.0#

