

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042825\  
 Data File : VX045965.D  
 Acq On : 28 Apr 2025 18:32  
 Operator : JC/MD  
 Sample : Q1900-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-1

Quant Time: Apr 29 01:36:23 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

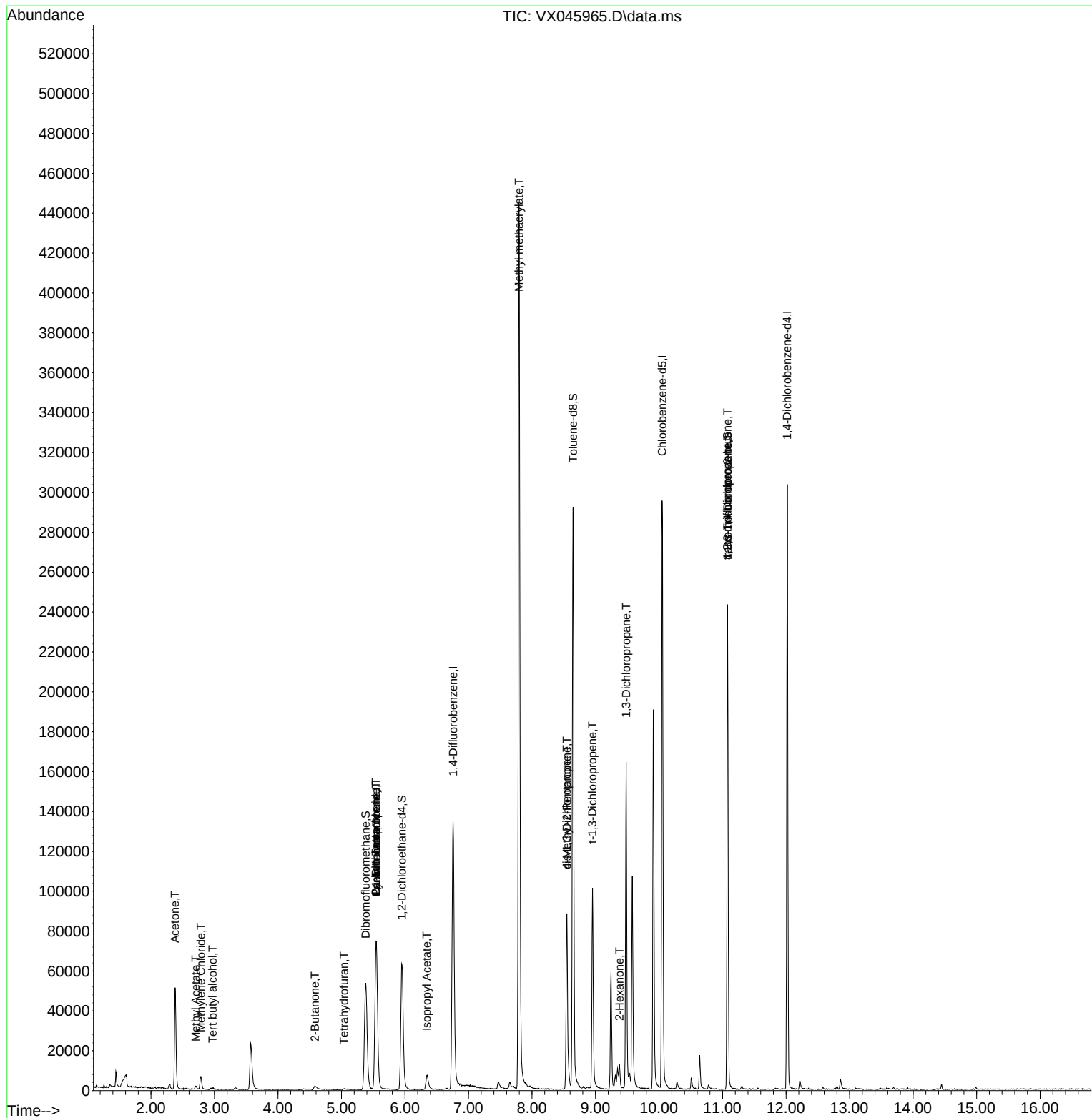
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 63610    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 128696   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 124689   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 53377    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 66035    | 56.767   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 113.540% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 46365    | 50.778   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 101.560% |          |
| 50) Toluene-d8                | 8.647  | 98    | 162286   | 50.920   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 101.840% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 62477    | 53.818   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 107.640% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.971  | 59    | 861      | 5.507    | ug/l #     | 78       |
| 16) Acetone                   | 2.380  | 43    | 55439    | 116.062  | ug/l       | 92       |
| 18) Methyl Acetate            | 2.703  | 43    | 2155     | 1.960    | ug/l       | 94       |
| 20) Methylene Chloride        | 2.788  | 84    | 2966     | 3.317    | ug/l       | 95       |
| 25) 2-Butanone                | 4.580  | 43    | 4400     | 6.293    | ug/l       | 91       |
| 29) Tetrahydrofuran           | 5.038  | 42    | 406      | 0.896    | ug/l #     | 35       |
| 31) Cyclohexane               | 5.550  | 56    | 2030     | 1.423    | ug/l #     | 37       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6699     | 5.434    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7336     | 5.506    | ug/l #     | 15       |
| 43) Isopropyl Acetate         | 6.342  | 43    | 10841    | 4.604    | ug/l       | 97       |
| 48) Methyl methacrylate       | 7.793  | 41    | 44287    | 36.426   | ug/l #     | 50       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 37242    | 23.857   | ug/l #     | 48       |
| 53) t-1,3-Dichloropropene     | 8.952  | 75    | 143      | 2.388    | ug/l #     | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 13816    | 10.208   | ug/l #     | 65       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 1282     | 0.811    | ug/l #     | 42       |
| 59) 2-Hexanone                | 9.378  | 43    | 9910     | 8.573    | ug/l #     | 28       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 35921    | 27.589   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 35921    | 93.635   | ug/l #     | 1        |
| -----                         |        |       |          |          |            |          |

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

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Sample : Q1900-04  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

Quant Time: Apr 29 01:36:23 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

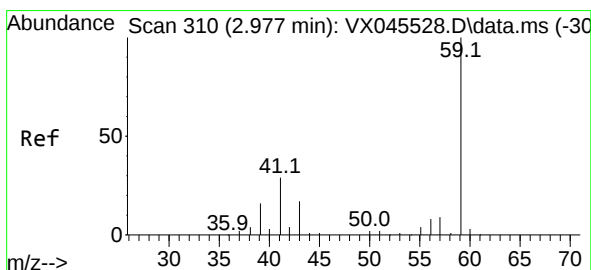
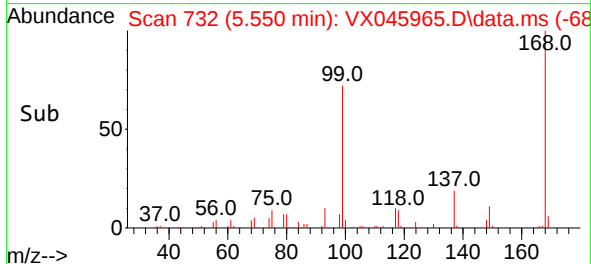
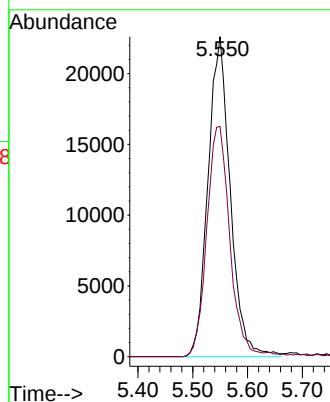
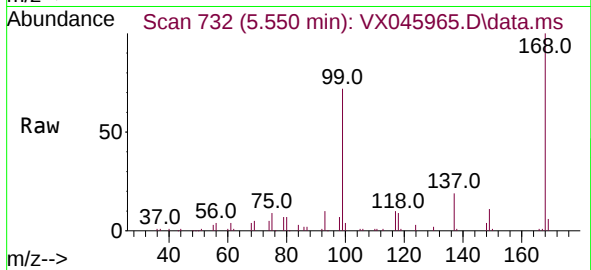




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

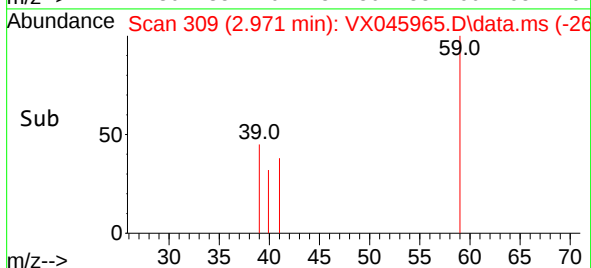
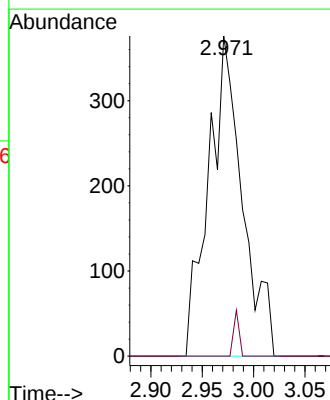
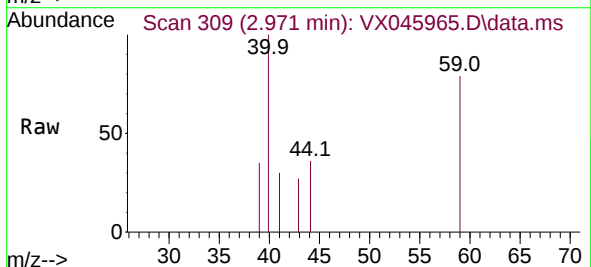
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

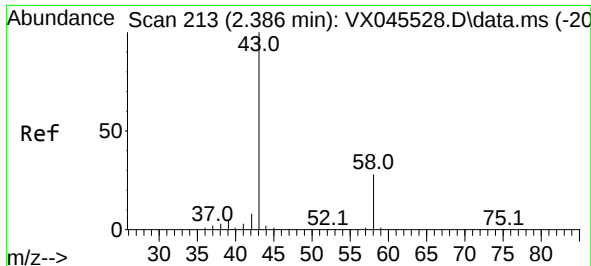
Tgt Ion:168 Resp: 63610  
Ion Ratio Lower Upper  
168 100  
99 72.0 52.3 78.5



#11  
Tert butyl alcohol  
Concen: 5.507 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.006 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Tgt Ion: 59 Resp: 861  
Ion Ratio Lower Upper  
59 100  
57 2.3 8.6 12.8#

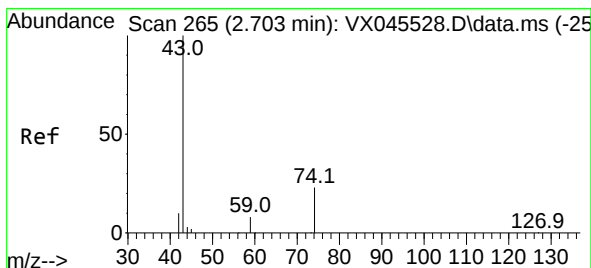
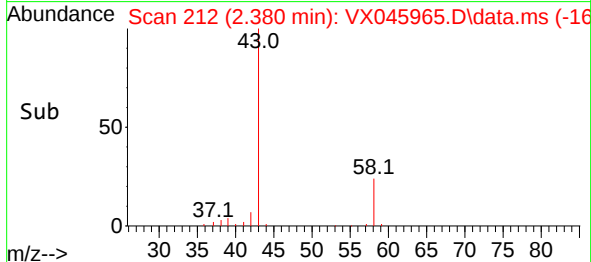
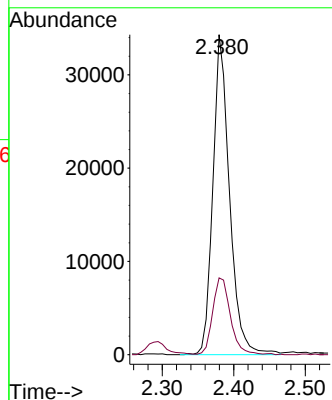
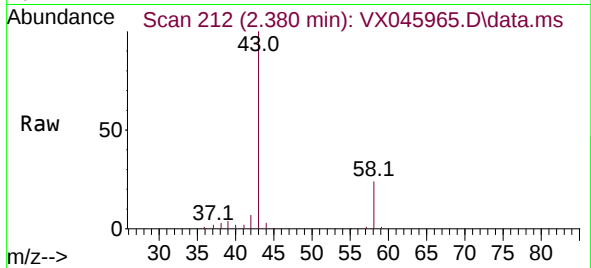




#16  
Acetone  
Concen: 116.062 ug/l  
RT: 2.380 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

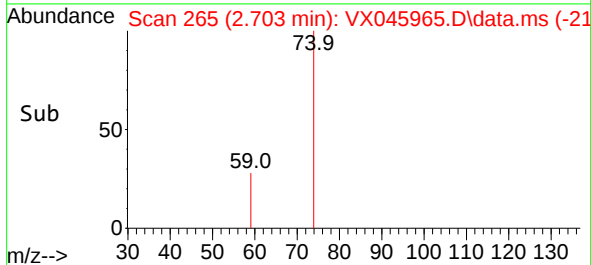
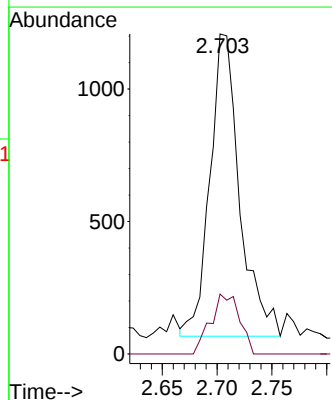
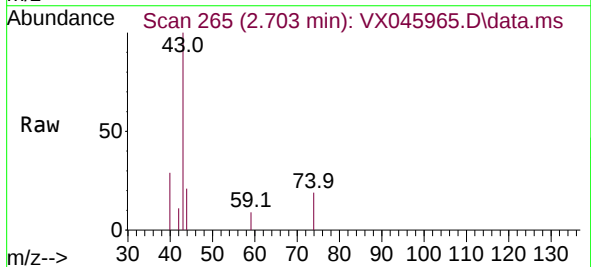
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

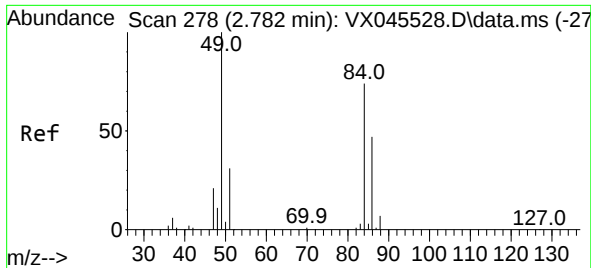
Tgt Ion: 43 Resp: 55439  
Ion Ratio Lower Upper  
43 100  
58 23.9 22.3 33.5



#18  
Methyl Acetate  
Concen: 1.960 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Tgt Ion: 43 Resp: 2155  
Ion Ratio Lower Upper  
43 100  
74 19.2 17.5 26.3

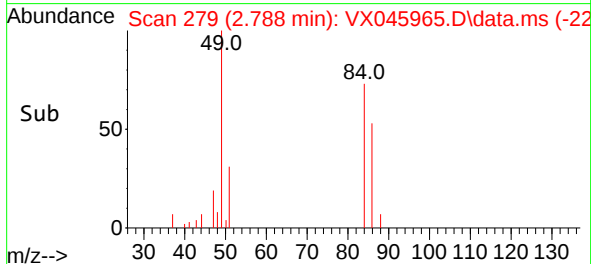
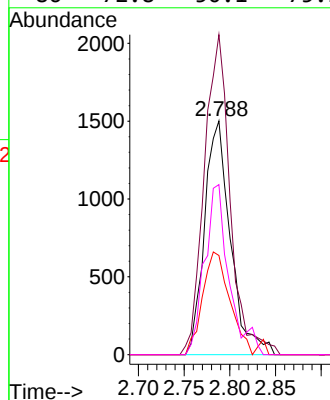
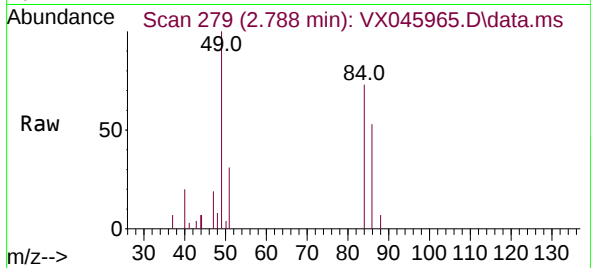




#20  
Methylene Chloride  
Concen: 3.317 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

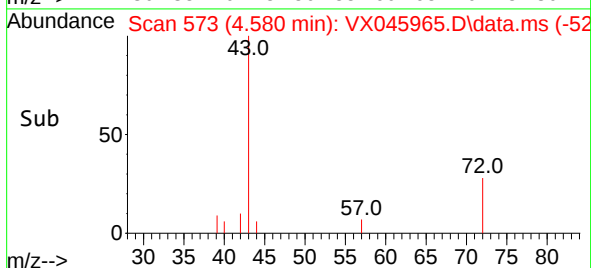
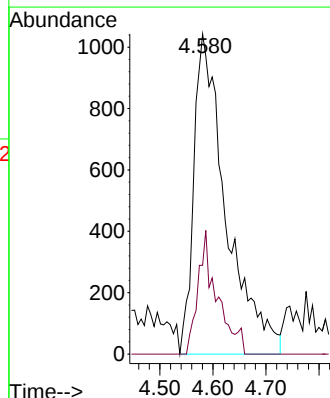
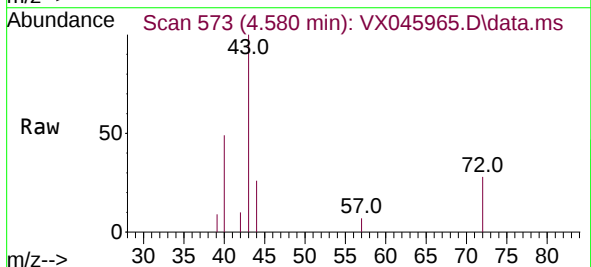
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

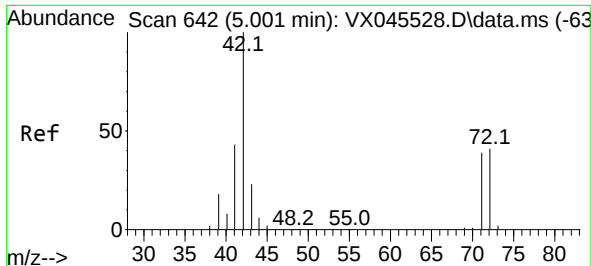
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 84 | Resp: | 2966  |       |
| Ion         | Ratio | Lower | Upper |
| 84          | 100   |       |       |
| 49          | 136.9 | 107.5 | 161.3 |
| 51          | 42.4  | 33.0  | 49.6  |
| 86          | 72.8  | 50.1  | 75.1  |



#25  
2-Butanone  
Concen: 6.293 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.024 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 4400  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 27.7     | 18.6 28.0   |





#29

Tetrahydrofuran

Concen: 0.896 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX045965.D

Acq: 28 Apr 2025 18:32

Instrument :

MSVOA\_X

ClientSampleId :

WC-1

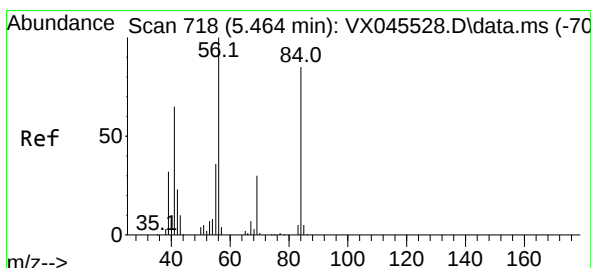
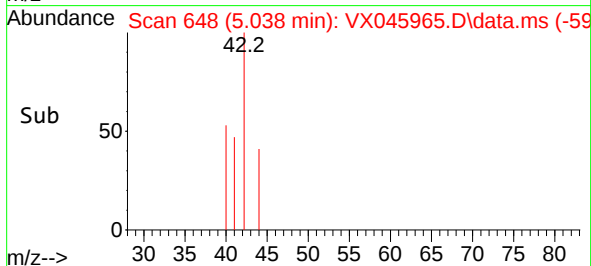
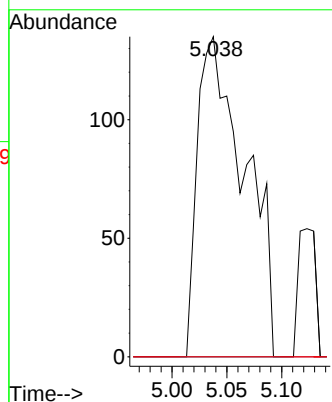
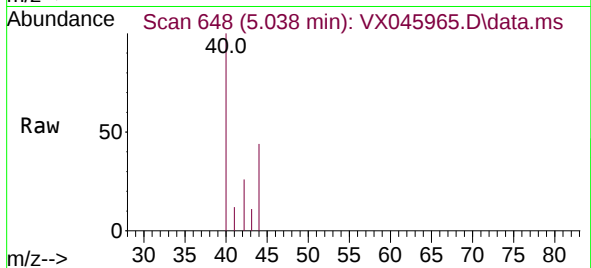
Tgt Ion: 42 Resp: 406

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.423 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045965.D

Acq: 28 Apr 2025 18:32

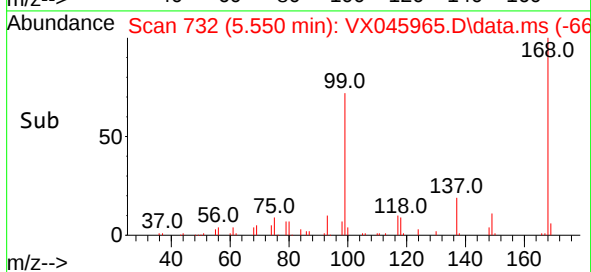
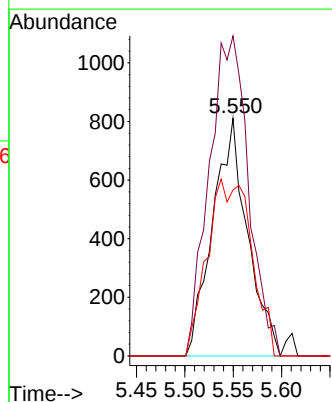
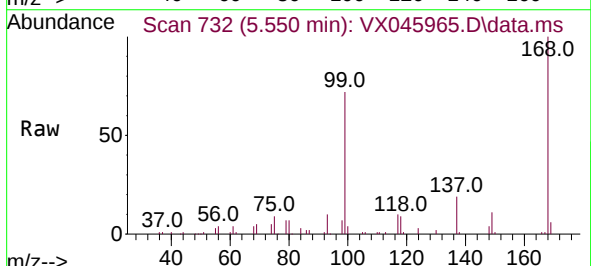
Tgt Ion: 56 Resp: 2030

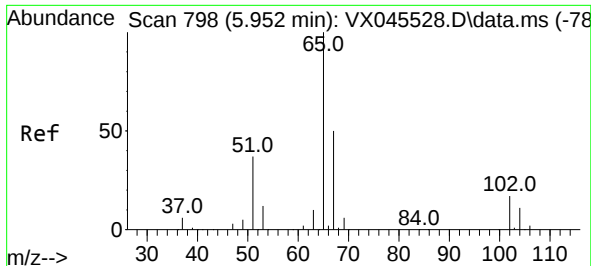
Ion Ratio Lower Upper

56 100

69 134.6 23.6 35.4#

84 69.8 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 56.767 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045965.D

Acq: 28 Apr 2025 18:32

Instrument :

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ClientSampleId :

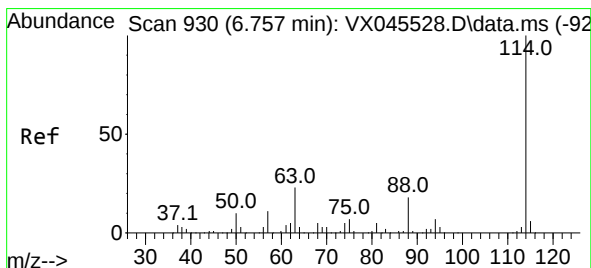
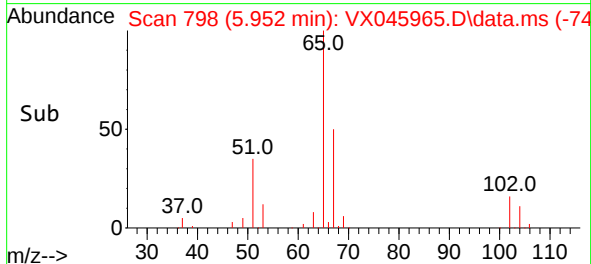
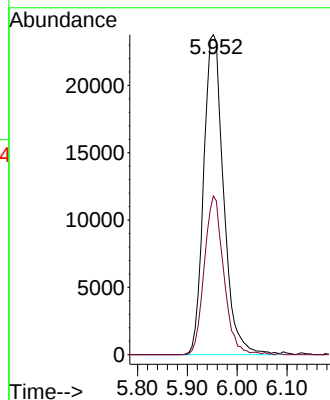
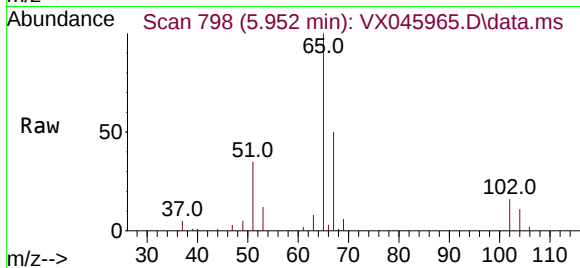
WC-1

Tgt Ion: 65 Resp: 66035

Ion Ratio Lower Upper

65 100

67 48.4 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: VX045965.D

Acq: 28 Apr 2025 18:32

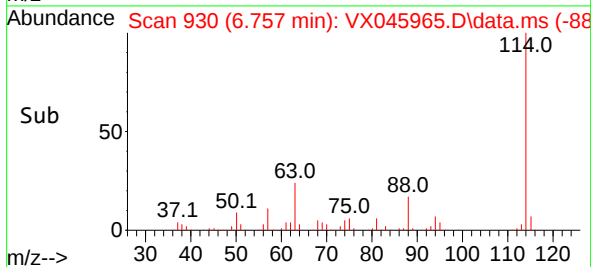
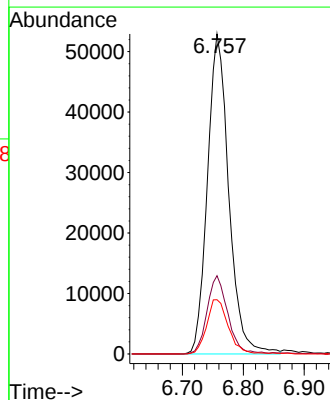
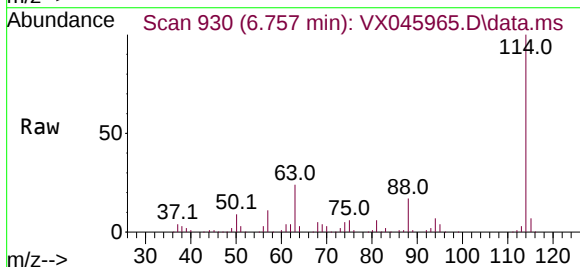
Tgt Ion: 114 Resp: 128696

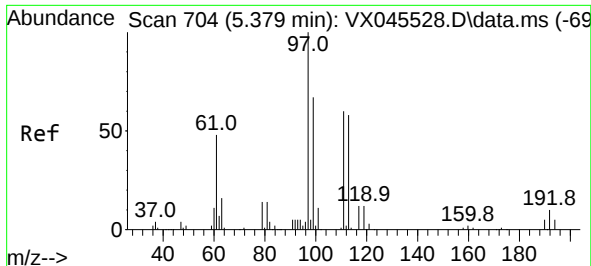
Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.8

88 16.9 0.0 35.4

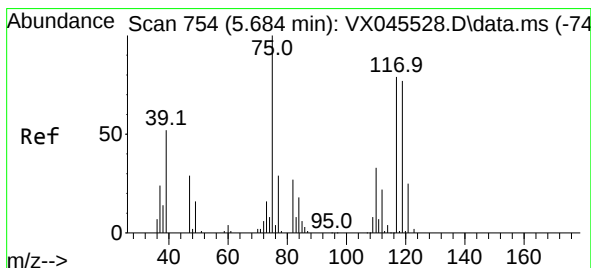
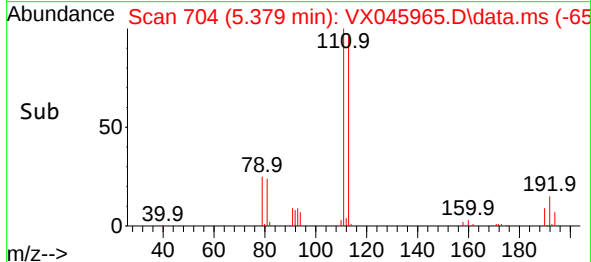
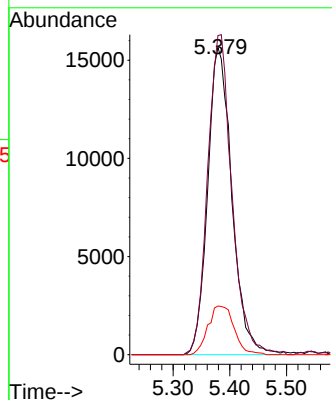
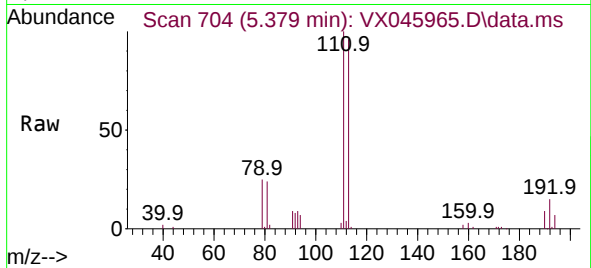




#35  
Dibromofluoromethane  
Concen: 50.778 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

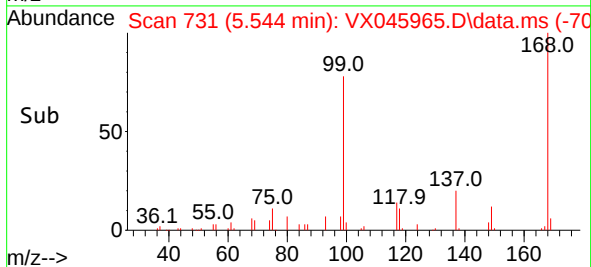
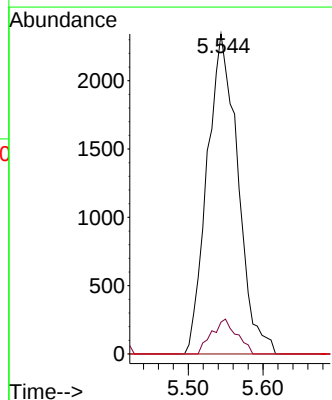
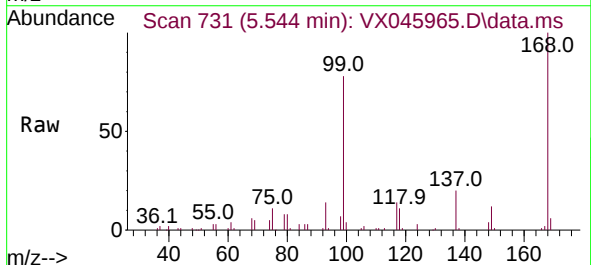
Instrument :  
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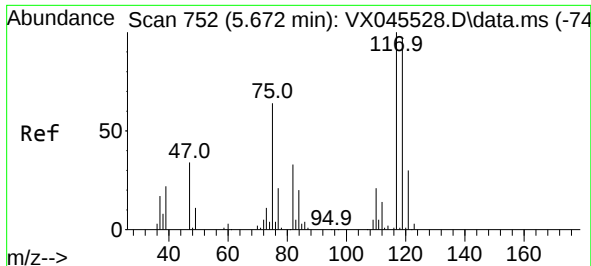
Tgt Ion:113 Resp: 46365  
Ion Ratio Lower Upper  
113 100  
111 104.7 81.8 122.6  
192 17.1 13.8 20.6



#36  
1,1-Dichloropropene  
Concen: 5.434 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.140 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

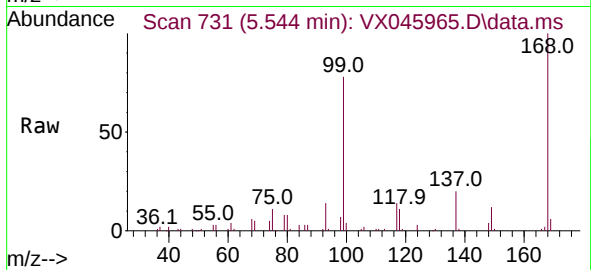
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Ion Ratio Lower Upper  
75 100  
110 8.9 16.9 50.6#  
77 0.0 25.0 37.4#



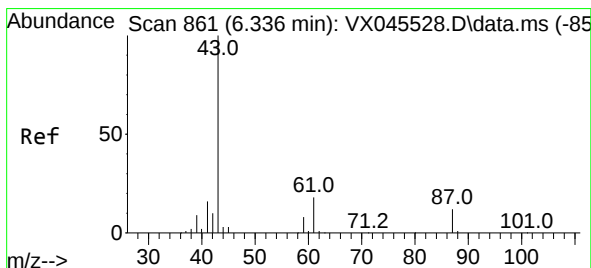
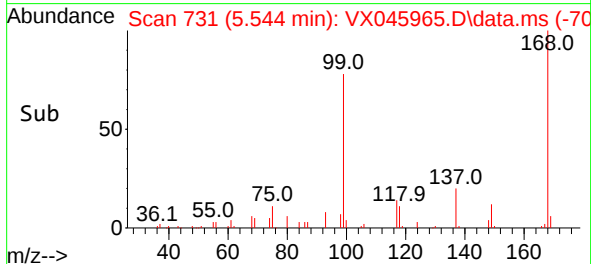
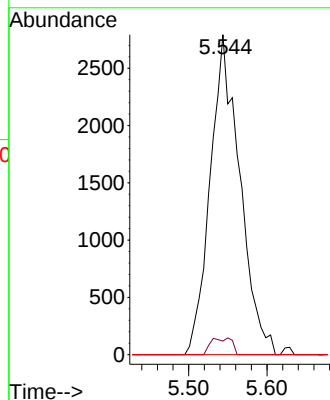


#38  
Carbon Tetrachloride  
Concen: 5.506 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
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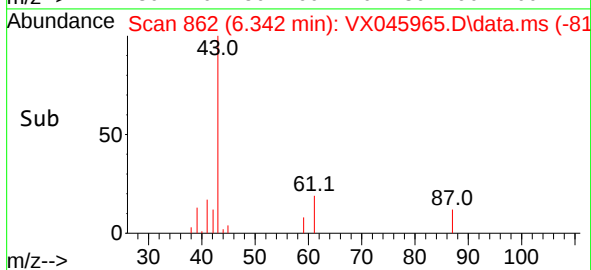
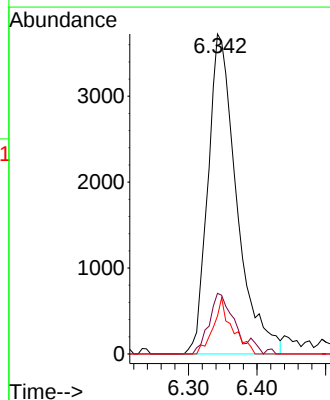
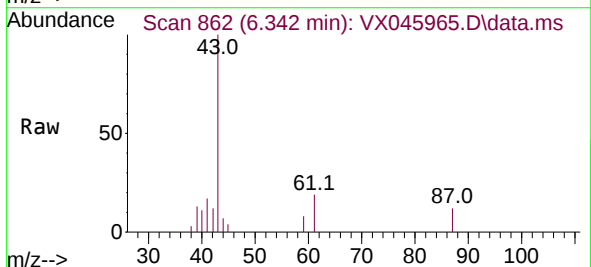


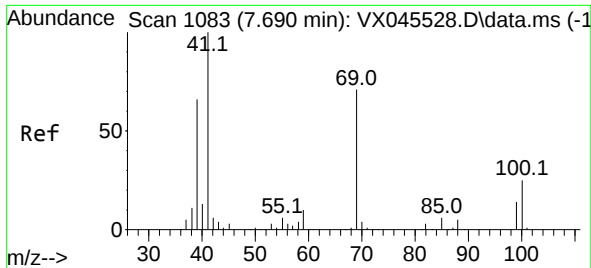
Tgt Ion:117 Resp: 7336  
Ion Ratio Lower Upper  
117 100  
119 4.2 76.9 115.3#  
121 0.0 24.2 36.2#



#43  
Isopropyl Acetate  
Concen: 4.604 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Tgt Ion: 43 Resp: 10841  
Ion Ratio Lower Upper  
43 100  
61 15.8 14.1 21.1  
87 11.4 9.2 13.8

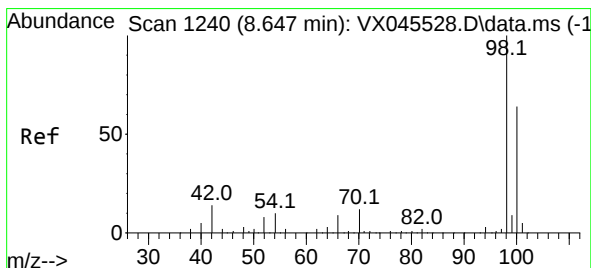
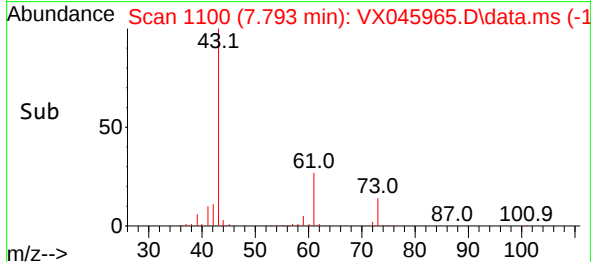
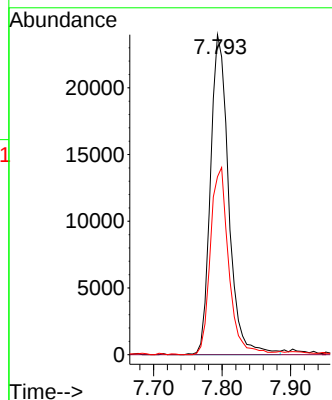
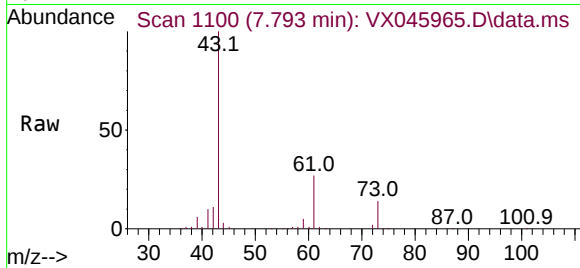




#48  
Methyl methacrylate  
Concen: 36.426 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.104 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

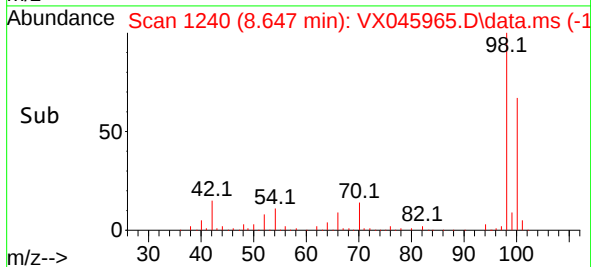
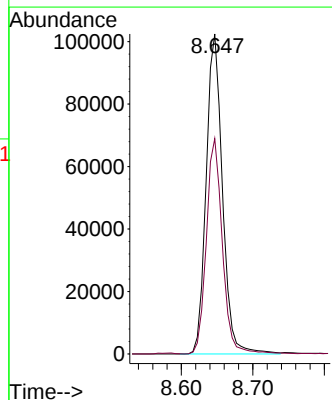
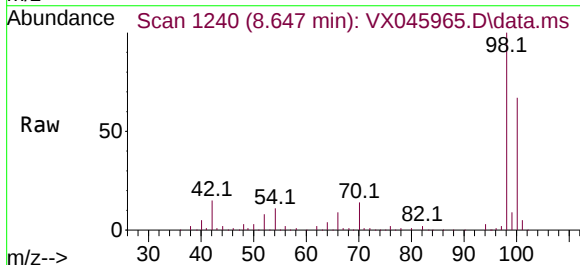
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

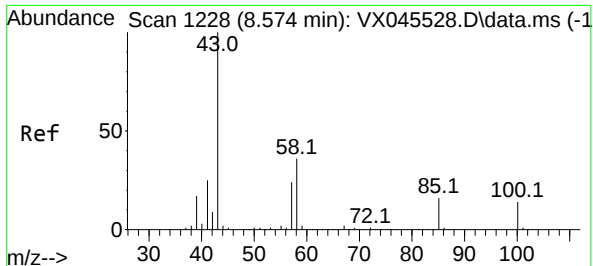
Tgt Ion: 41 Resp: 44287  
Ion Ratio Lower Upper  
41 100  
69 0.0 58.2 87.2#  
39 58.9 53.6 80.4



#50  
Toluene-d8  
Concen: 50.920 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Tgt Ion: 98 Resp: 162286  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.2 78.4

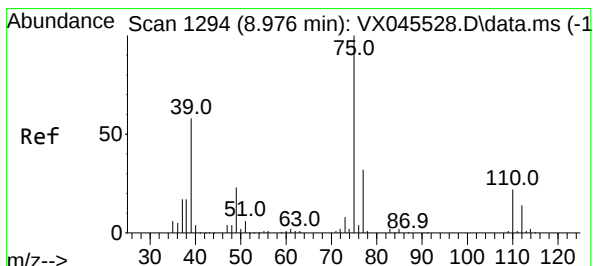
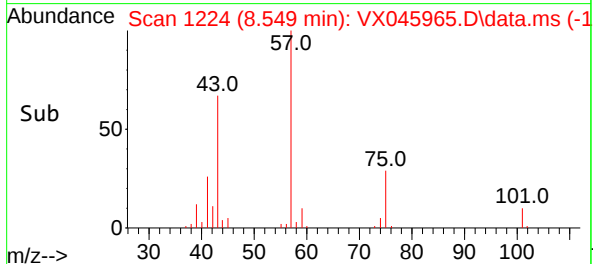
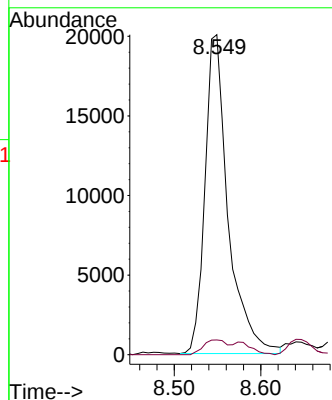
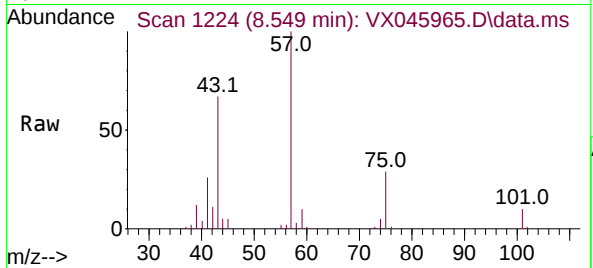




#51  
4-Methyl-2-Pentanone  
Concen: 23.857 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

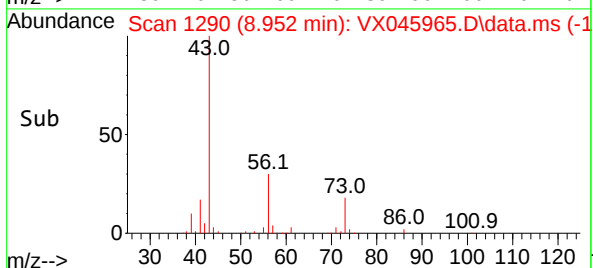
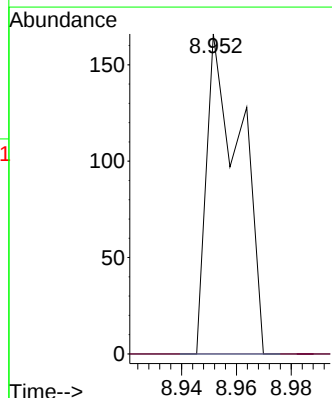
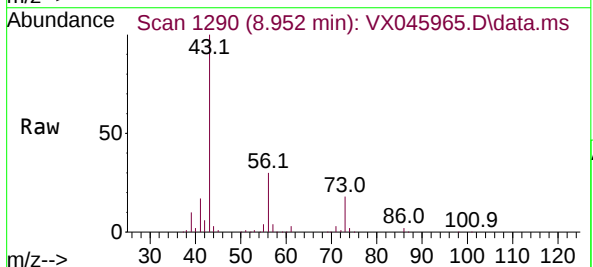
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

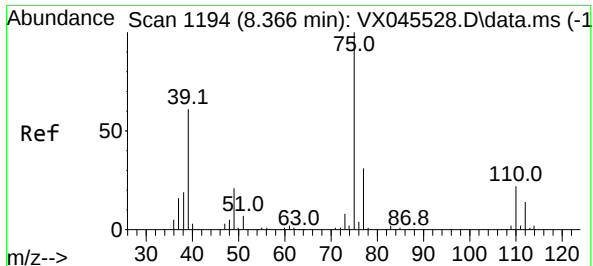
Tgt Ion: 43 Resp: 37242  
Ion Ratio Lower Upper  
43 100  
58 5.2 28.5 42.7#



#53  
t-1,3-Dichloropropene  
Concen: 2.388 ug/l  
RT: 8.952 min Scan# 1290  
Delta R.T. -0.024 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Tgt Ion: 75 Resp: 143  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.4 38.0#

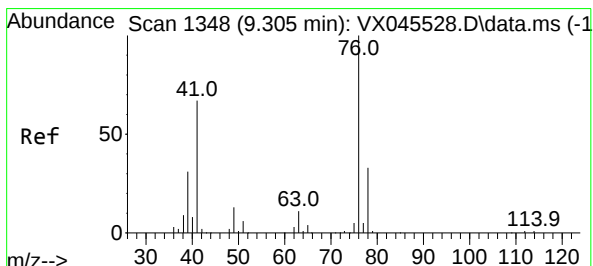
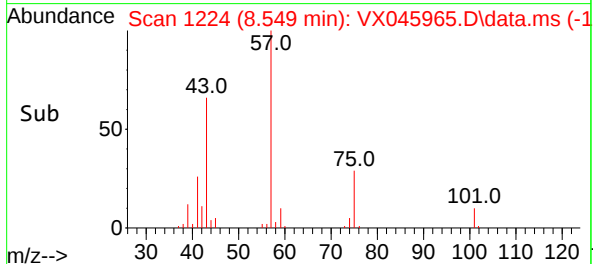
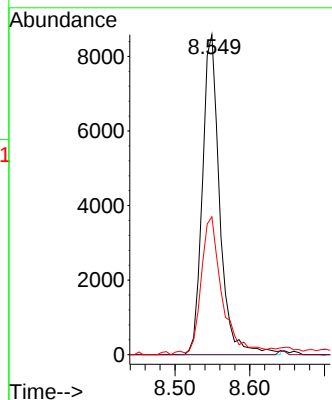
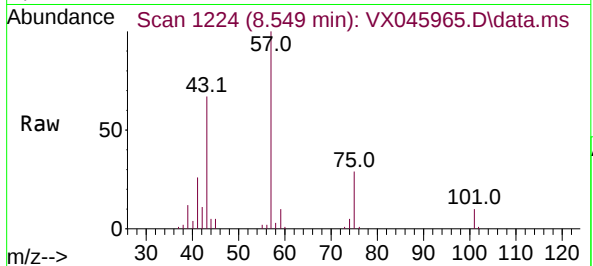




#54  
 cis-1,3-Dichloropropene  
 Concen: 10.208 ug/l  
 RT: 8.549 min Scan# 1194  
 Delta R.T. 0.183 min  
 Lab File: VX045965.D  
 Acq: 28 Apr 2025 18:32

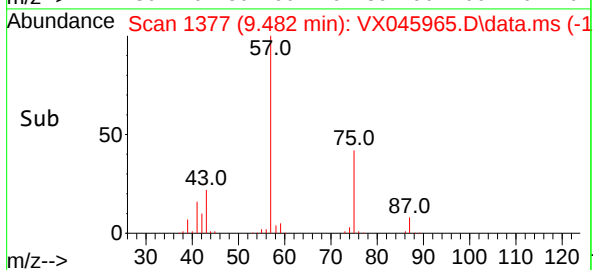
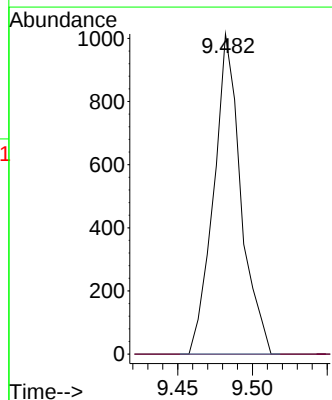
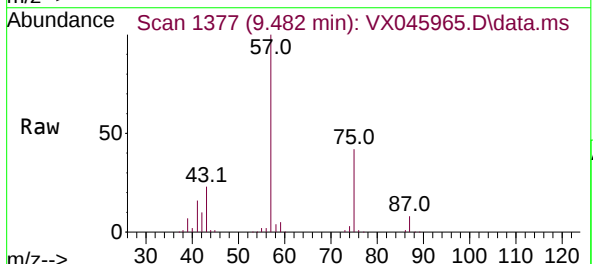
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-1

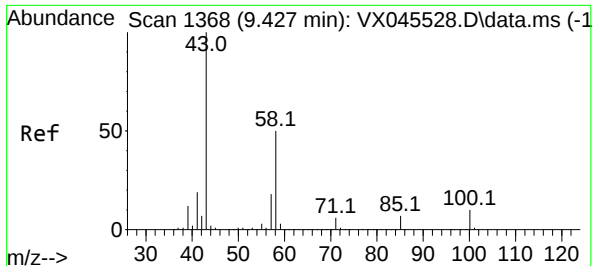
Tgt Ion: 75 Resp: 13816  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.6 36.8#  
 39 42.0 48.4 72.6#



#57  
 1,3-Dichloropropane  
 Concen: 0.811 ug/l  
 RT: 9.482 min Scan# 1377  
 Delta R.T. 0.177 min  
 Lab File: VX045965.D  
 Acq: 28 Apr 2025 18:32

Tgt Ion: 76 Resp: 1282  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.0 39.0#

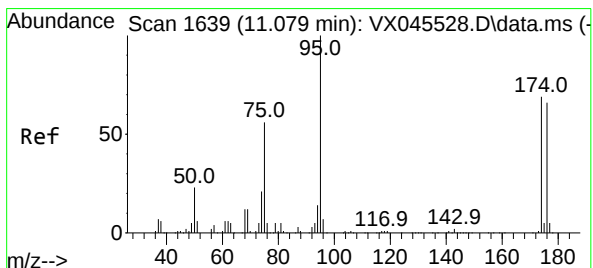
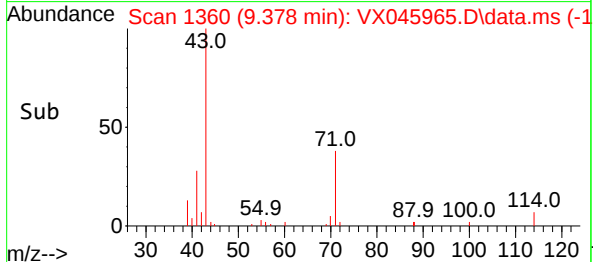
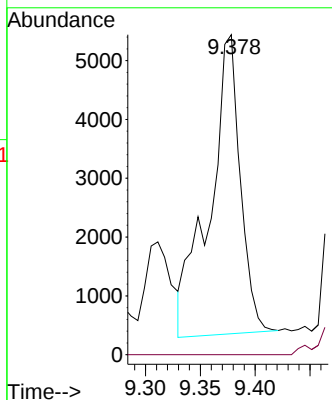
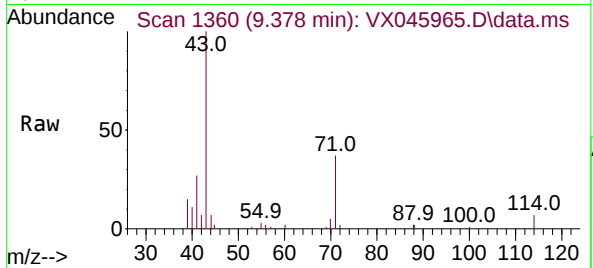




#59  
2-Hexanone  
Concen: 8.573 ug/l  
RT: 9.378 min Scan# 11  
Delta R.T. -0.049 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

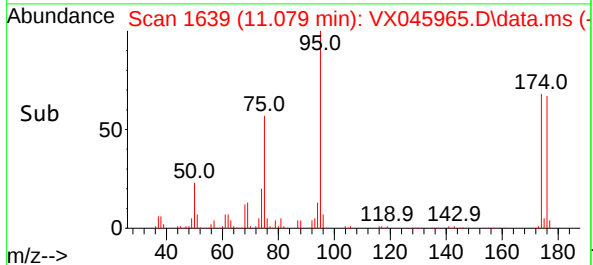
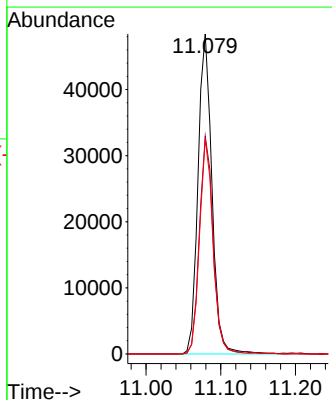
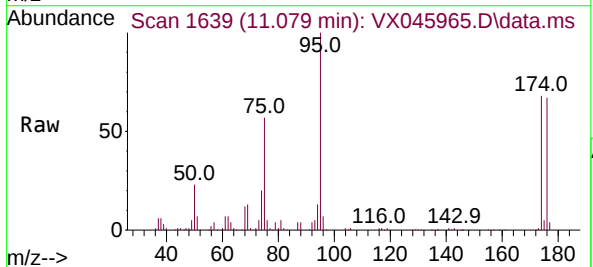
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

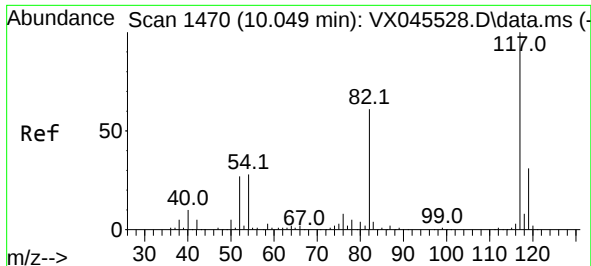
Tgt Ion: 43 Resp: 9910  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.9 74.6#



#62  
4-Bromofluorobenzene  
Concen: 53.818 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Tgt Ion: 95 Resp: 62477  
Ion Ratio Lower Upper  
95 100  
174 67.1 0.0 135.8  
176 65.3 0.0 131.4

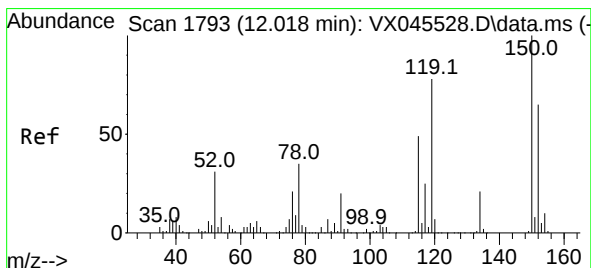
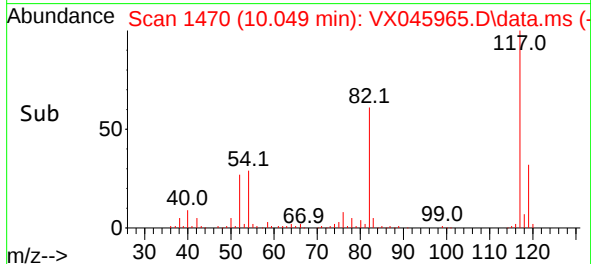
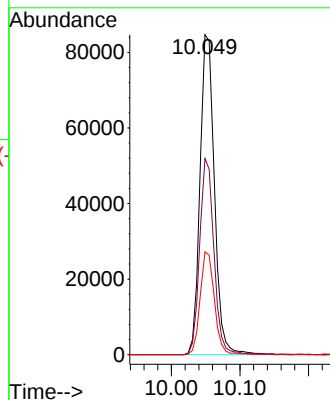
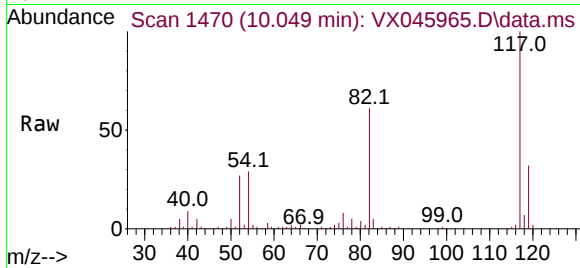




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

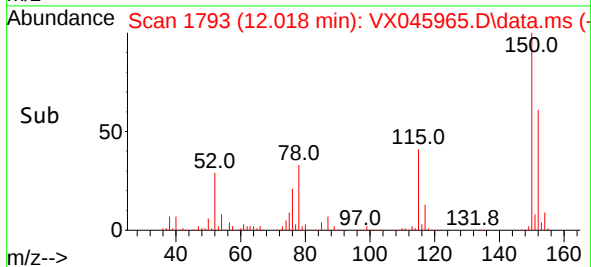
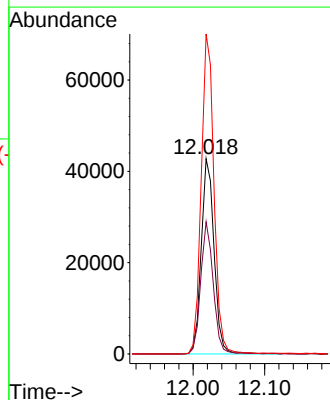
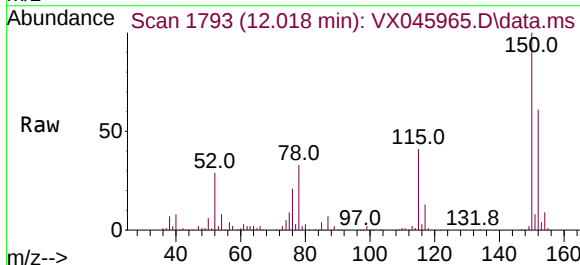
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-1

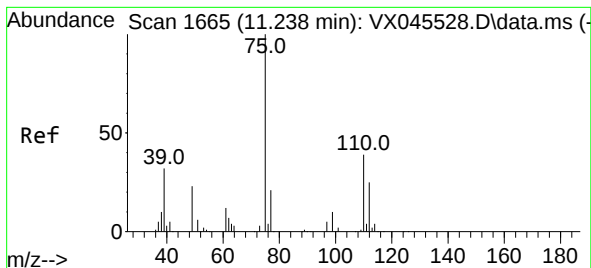
Tgt Ion:117 Resp: 124689  
Ion Ratio Lower Upper  
117 100  
82 61.3 49.2 73.8  
119 32.1 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045965.D  
Acq: 28 Apr 2025 18:32

Tgt Ion:152 Resp: 53377  
Ion Ratio Lower Upper  
152 100  
115 66.0 46.9 140.7  
150 162.0 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 27.589 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045965.D

Acq: 28 Apr 2025 18:32

Instrument :

MSVOA\_X

ClientSampleId :

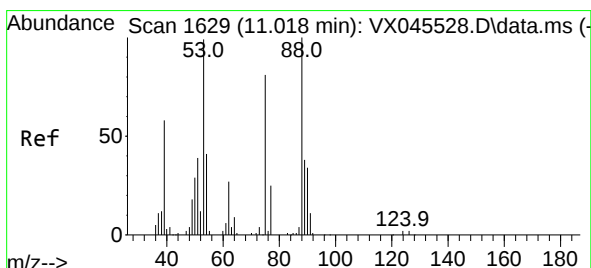
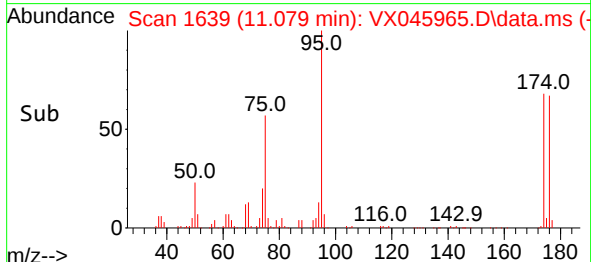
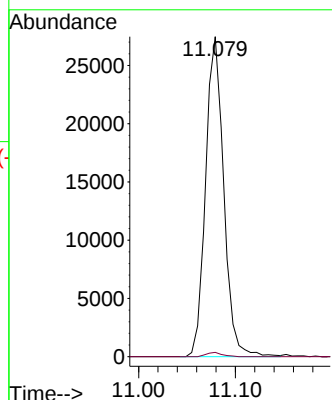
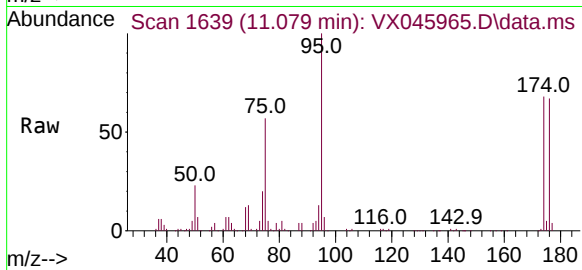
WC-1

Tgt Ion: 75 Resp: 35921

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.635 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045965.D

Acq: 28 Apr 2025 18:32

Tgt Ion: 75 Resp: 35921

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

