

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041825\  
 Data File : VX045858.D  
 Acq On : 18 Apr 2025 15:19  
 Operator : JC/MD  
 Sample : Q1832-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PL-714-COMP-03

Quant Time: Apr 18 23:41:12 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

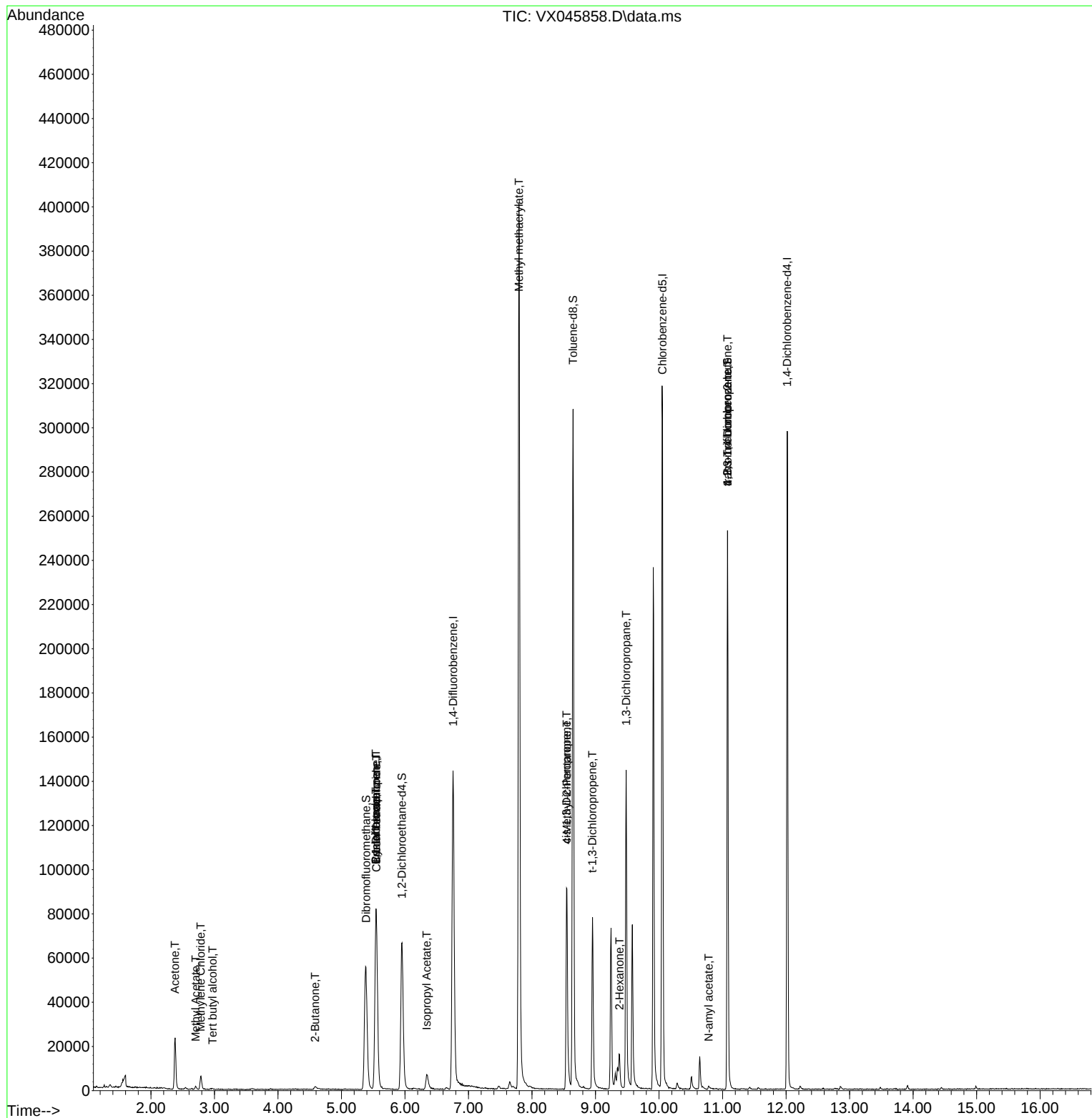
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.544          | 168  | 68686               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 137087              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 129579              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 54184               | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 68613               | 54.624 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 109.240% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 49183               | 50.567 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 101.140% |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 173961              | 51.242 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 102.480% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 65306               | 52.812 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 105.620% |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 11) Tert butyl alcohol        | 2.971          | 59   | 394                 | 2.334  | ug/l # | 72       |
| 16) Acetone                   | 2.380          | 43   | 26215               | 50.825 | ug/l   | 97       |
| 18) Methyl Acetate            | 2.703          | 43   | 1768                | 1.489  | ug/l   | 94       |
| 20) Methylene Chloride        | 2.782          | 84   | 2712                | 2.809  | ug/l   | 95       |
| 25) 2-Butanone                | 4.587          | 43   | 3414                | 4.522  | ug/l   | 91       |
| 31) Cyclohexane               | 5.544          | 56   | 2016                | 1.308  | ug/l # | 29       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 6850                | 5.216  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 8042                | 5.666  | ug/l # | 16       |
| 43) Isopropyl Acetate         | 6.342          | 43   | 10582               | 4.219  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.793          | 41   | 40358               | 31.162 | ug/l # | 50       |
| 51) 4-Methyl-2-Pentanone      | 8.549          | 43   | 37932               | 22.812 | ug/l # | 53       |
| 53) t-1,3-Dichloropropene     | 8.952          | 75   | 80                  | 2.341  | ug/l # | 43       |
| 54) cis-1,3-Dichloropropene   | 8.543          | 75   | 14636               | 10.152 | ug/l # | 68       |
| 57) 1,3-Dichloropropane       | 9.482          | 76   | 1282                | 0.761  | ug/l # | 42       |
| 59) 2-Hexanone                | 9.378          | 43   | 13960               | 11.337 | ug/l # | 28       |
| 74) N-amyl acetate            | 10.781         | 43   | 1089                | 0.525  | ug/l # | 46       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 37959               | 28.720 | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 37959               | 97.473 | ug/l # | 1        |
| -----                         |                |      |                     |        |        |          |

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

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Sample : Q1832-18  
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ALS Vial : 19 Sample Multiplier: 1

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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

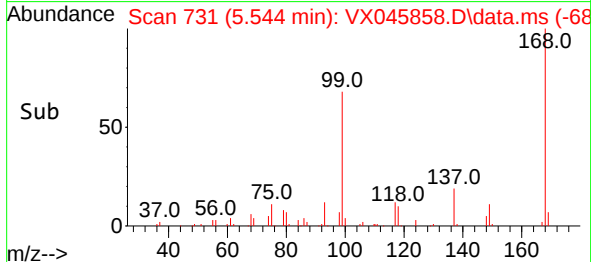
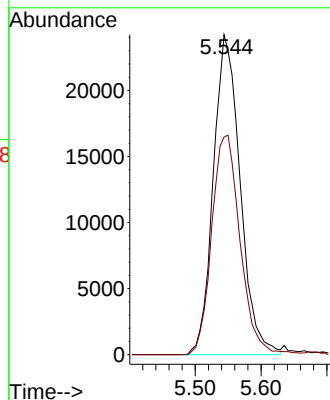
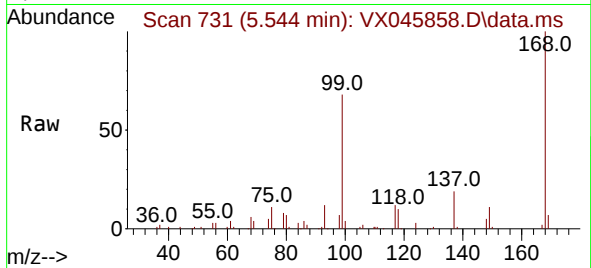




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

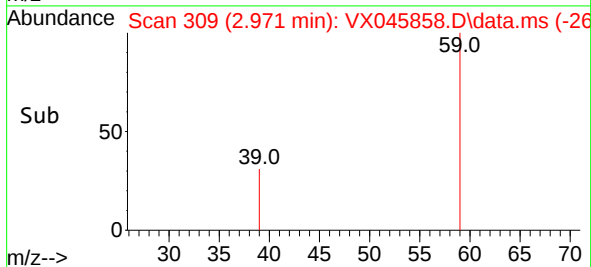
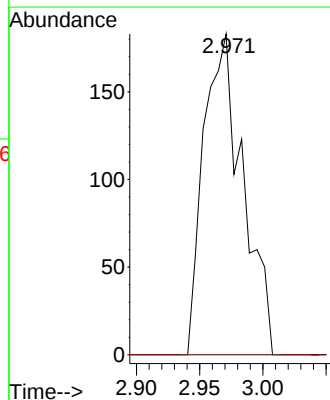
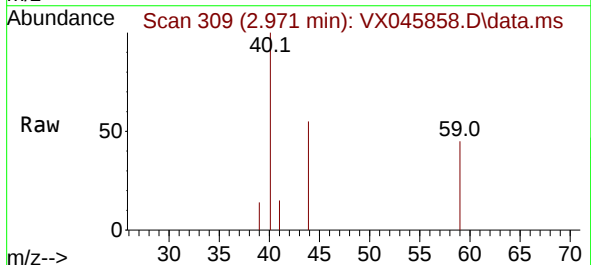
Instrument :  
MSVOA\_X  
ClientSampleId :  
PL-714-COMP-03

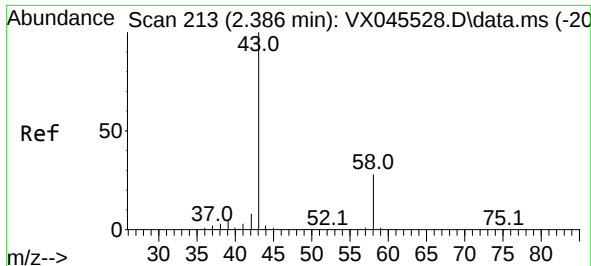
Tgt Ion:168 Resp: 68686  
Ion Ratio Lower Upper  
168 100  
99 68.1 52.3 78.5



#11  
Tert butyl alcohol  
Concen: 2.334 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.006 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 59 Resp: 394  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

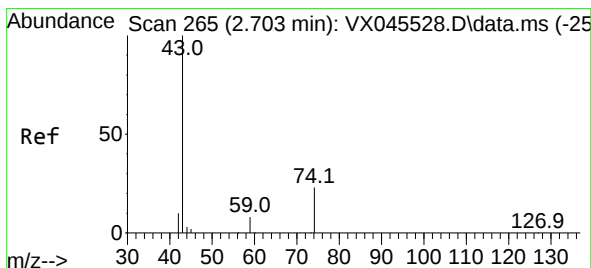
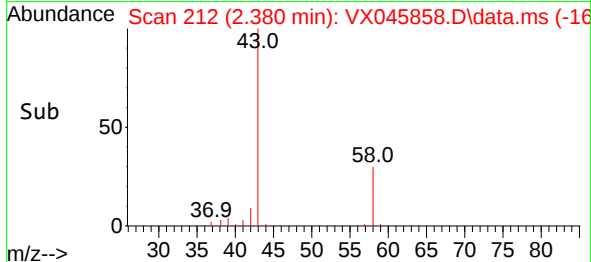
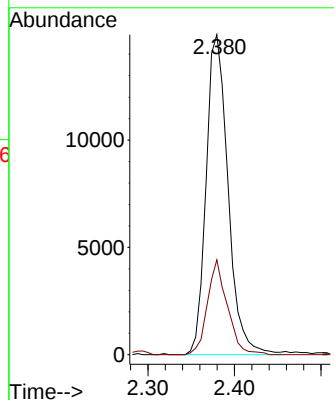
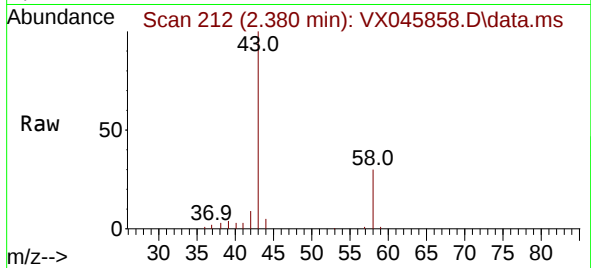




#16  
Acetone  
Concen: 50.825 ug/l  
RT: 2.380 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

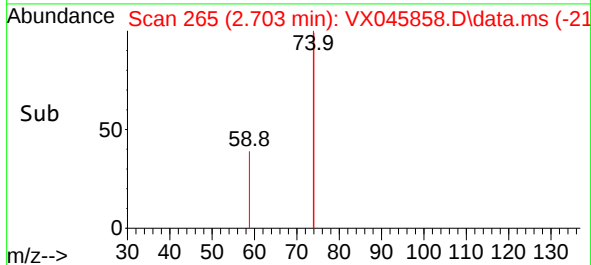
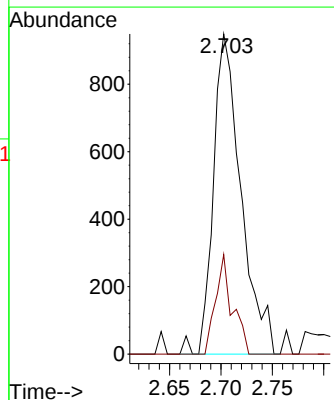
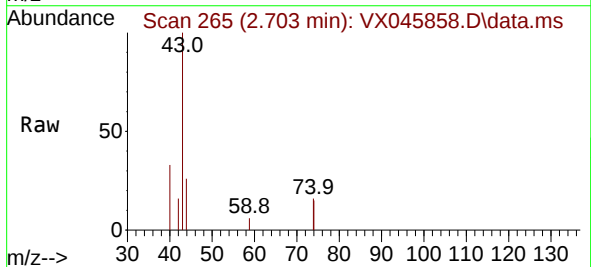
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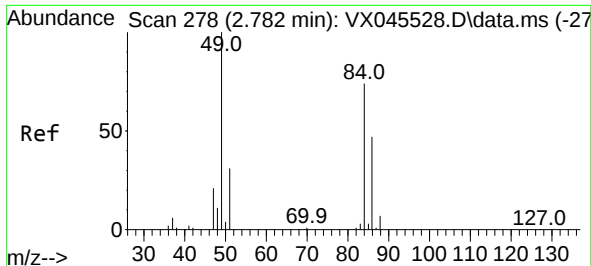
Tgt Ion: 43 Resp: 26215  
Ion Ratio Lower Upper  
43 100  
58 29.6 22.3 33.5



#18  
Methyl Acetate  
Concen: 1.489 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 43 Resp: 1768  
Ion Ratio Lower Upper  
43 100  
74 18.9 17.5 26.3

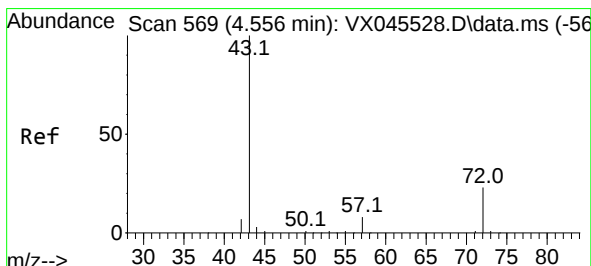
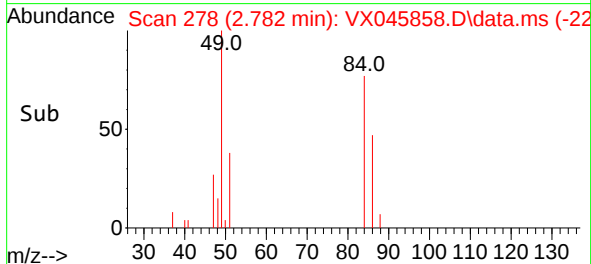
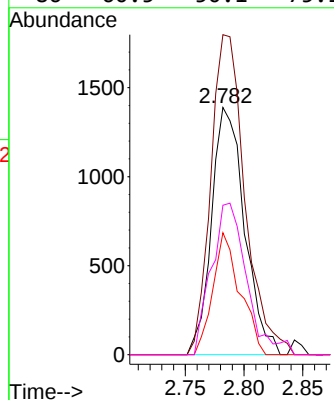
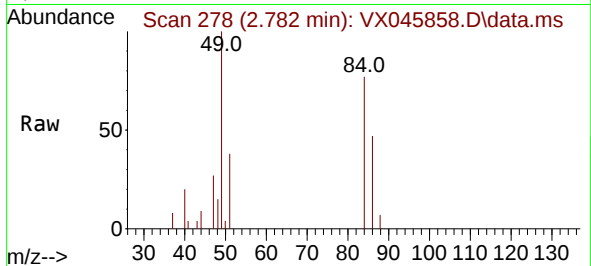




#20  
Methylene Chloride  
Concen: 2.809 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

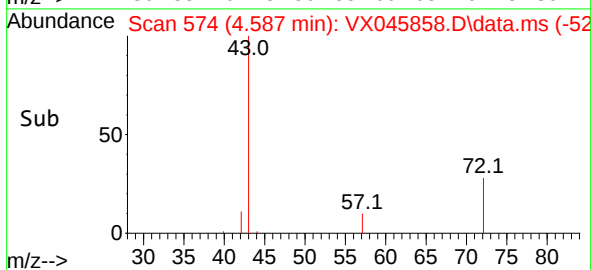
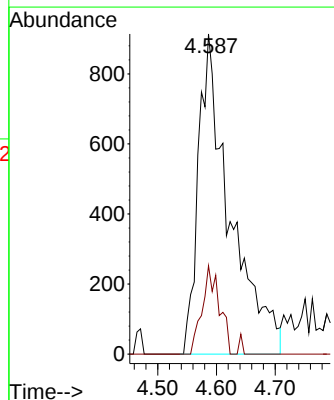
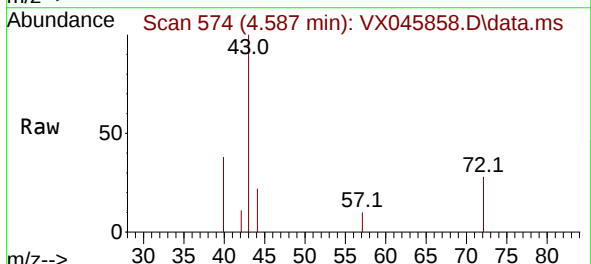
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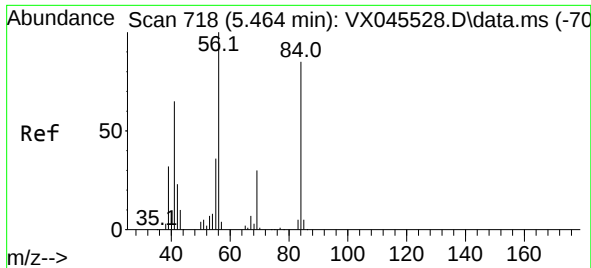
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2712  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 129.4 | 107.5 | 161.3 |
| 51       | 49.3  | 33.0  | 49.6  |
| 86       | 60.5  | 50.1  | 75.1  |



#25  
2-Butanone  
Concen: 4.522 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.030 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3414  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 27.6  | 18.6  | 28.0  |

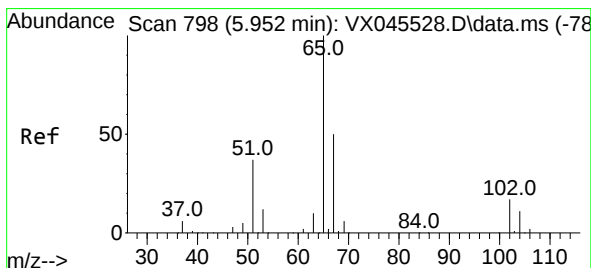
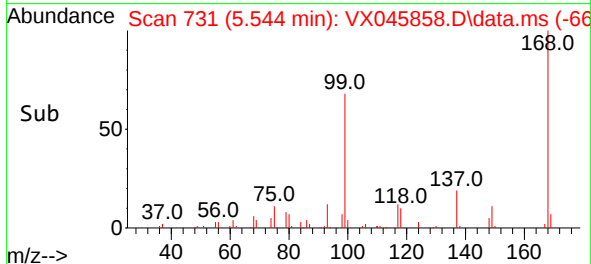
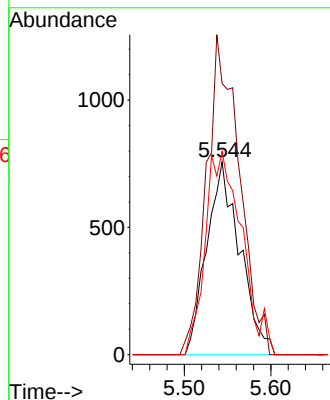
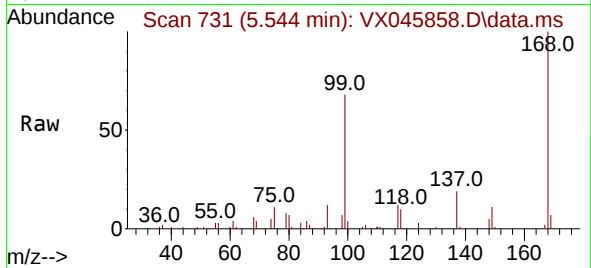




#31  
Cyclohexane  
Concen: 1.308 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

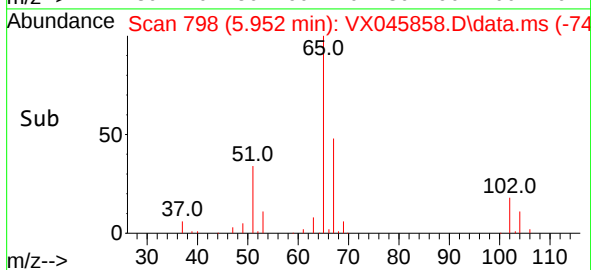
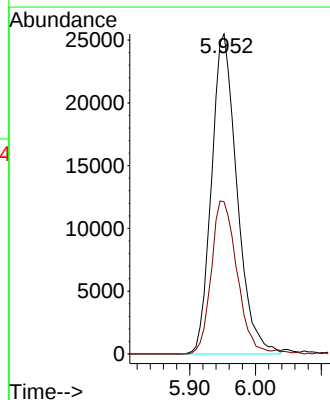
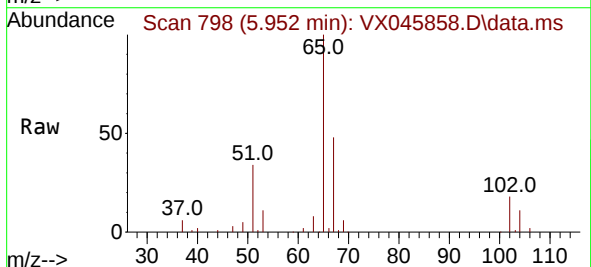
Instrument :  
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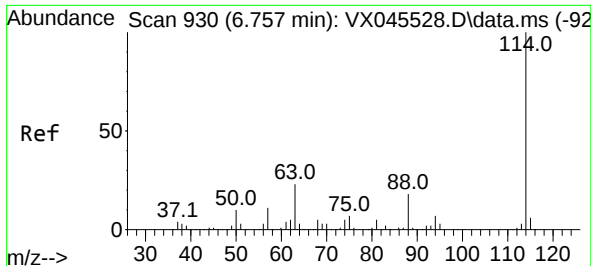
Tgt Ion: 56 Resp: 2016  
Ion Ratio Lower Upper  
56 100  
69 140.7 23.6 35.4#  
84 105.5 67.7 101.5#



#33  
1,2-Dichloroethane-d4  
Concen: 54.624 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 65 Resp: 68613  
Ion Ratio Lower Upper  
65 100  
67 48.9 0.0 99.0

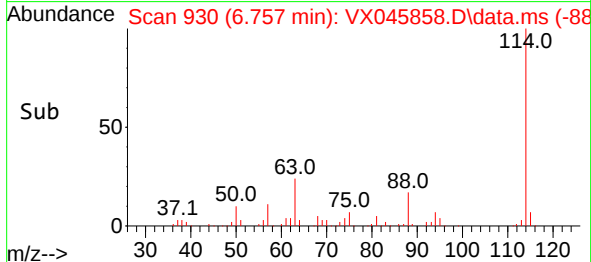
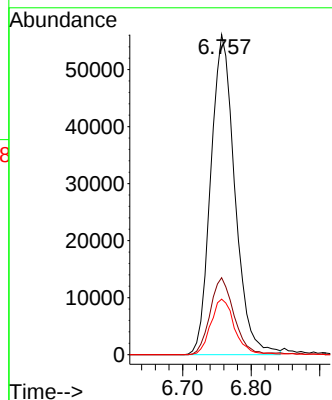
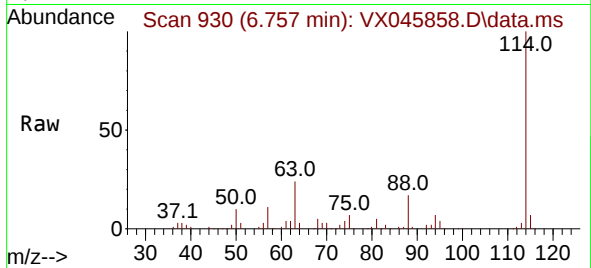




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

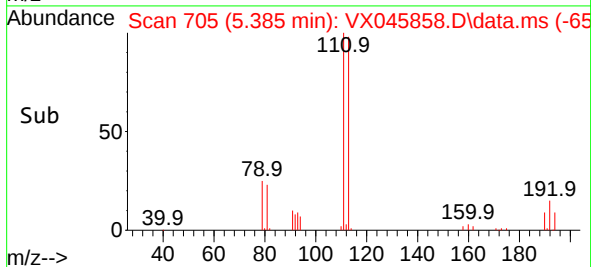
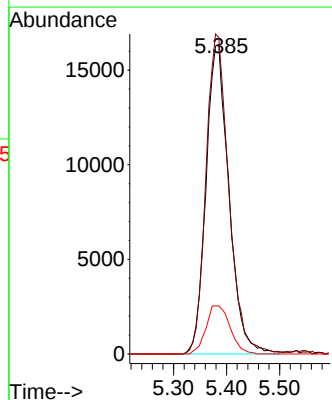
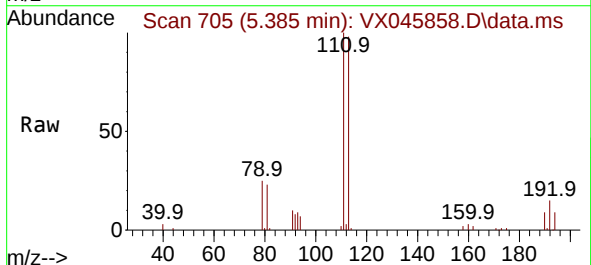
Instrument :  
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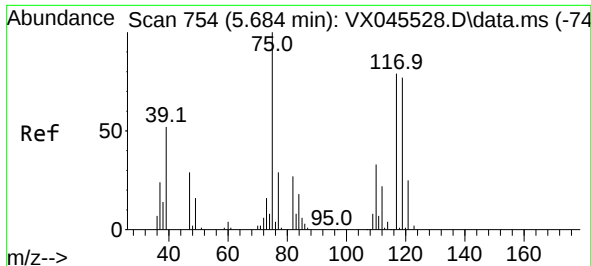
Tgt Ion:114 Resp: 137087  
Ion Ratio Lower Upper  
114 100  
63 24.1 0.0 46.8  
88 17.4 0.0 35.4



#35  
Dibromofluoromethane  
Concen: 50.567 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion:113 Resp: 49183  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.8 122.6  
192 16.4 13.8 20.6

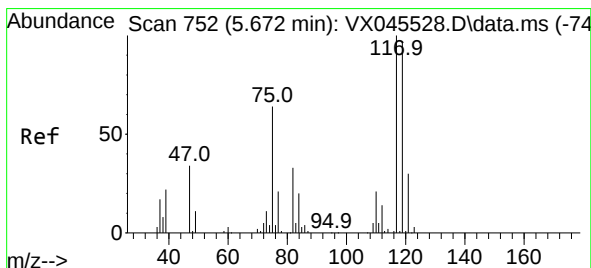
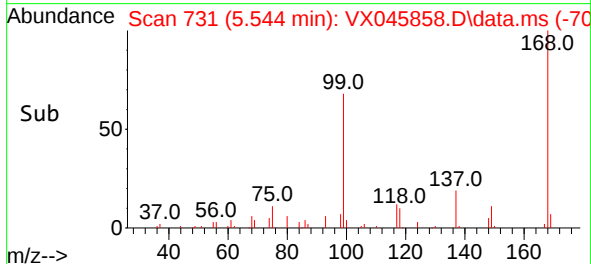
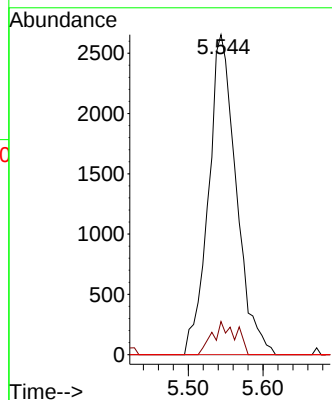
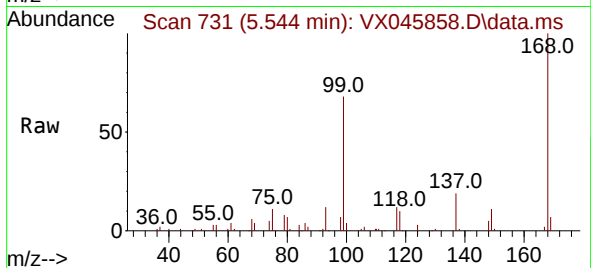




#36  
1,1-Dichloropropene  
Concen: 5.216 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

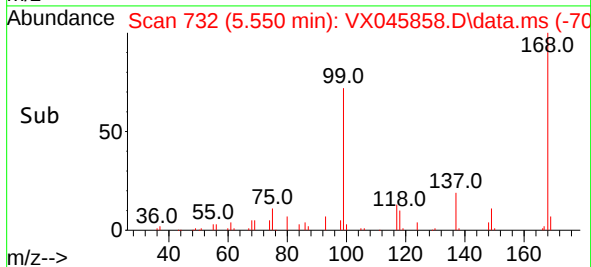
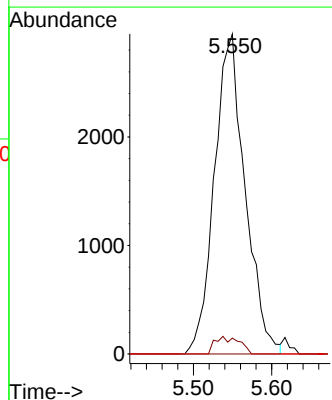
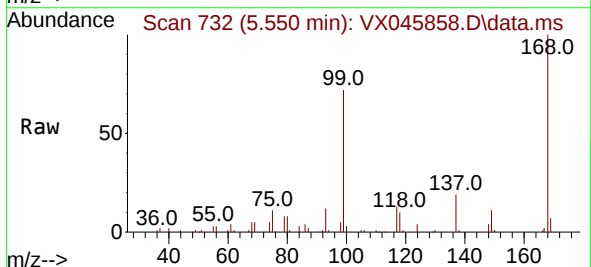
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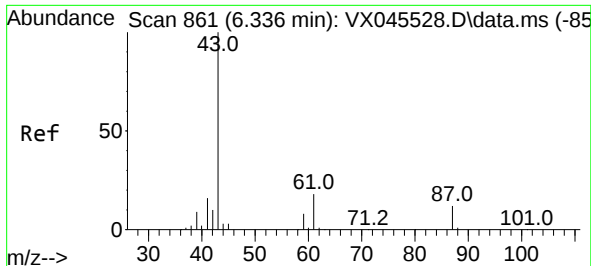
Tgt Ion: 75 Resp: 6850  
Ion Ratio Lower Upper  
75 100  
110 8.7 16.9 50.6#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.666 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 117 Resp: 8042  
Ion Ratio Lower Upper  
117 100  
119 5.0 76.9 115.3#  
121 0.0 24.2 36.2#

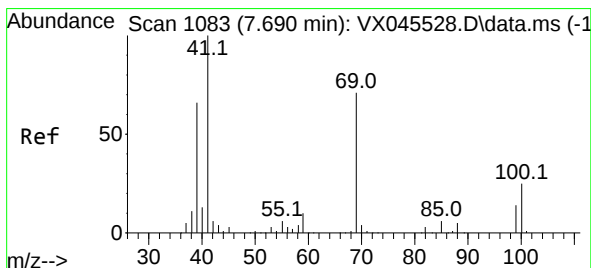
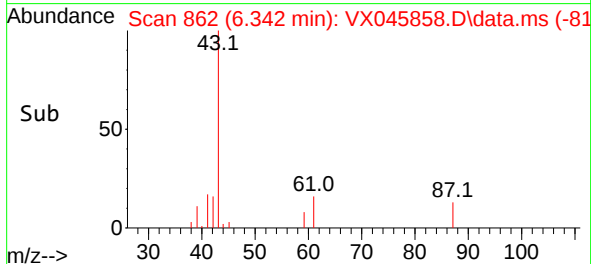
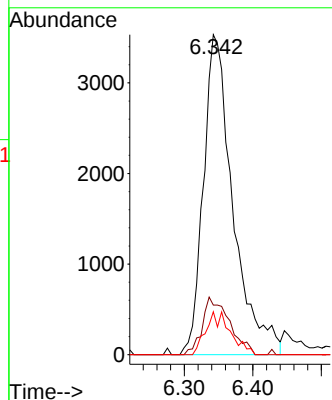
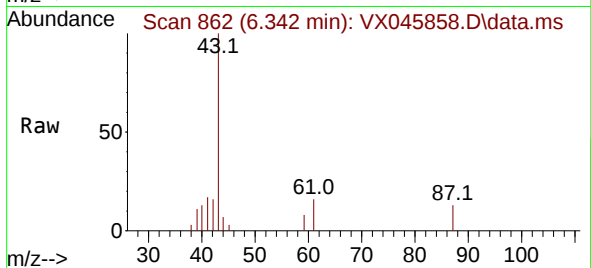




#43  
Isopropyl Acetate  
Concen: 4.219 ug/l  
RT: 6.342 min Scan# 810  
Delta R.T. 0.006 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

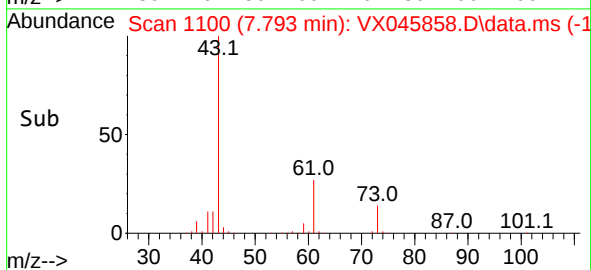
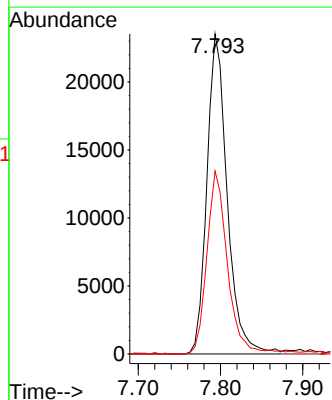
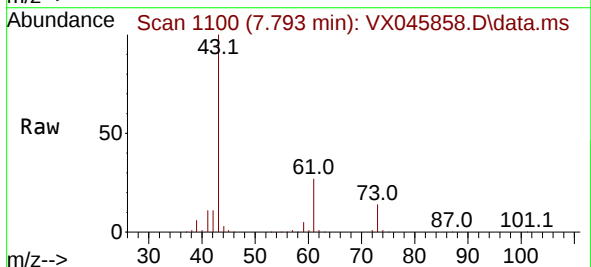
Instrument :  
MSVOA\_X  
ClientSampleId :  
PL-714-COMP-03

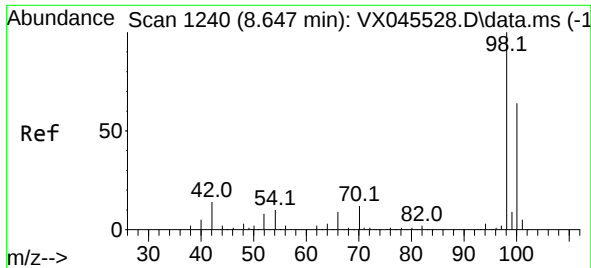
Tgt Ion: 43 Resp: 10582  
Ion Ratio Lower Upper  
43 100  
61 16.5 14.1 21.1  
87 11.1 9.2 13.8



#48  
Methyl methacrylate  
Concen: 31.162 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.104 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 41 Resp: 40358  
Ion Ratio Lower Upper  
41 100  
69 0.0 58.2 87.2#  
39 58.5 53.6 80.4

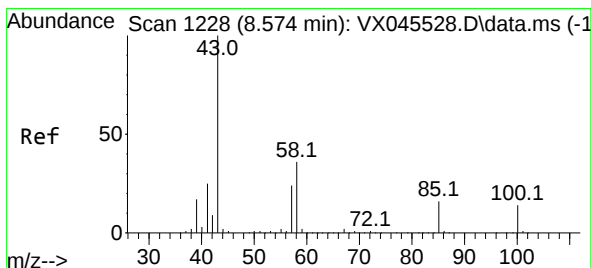
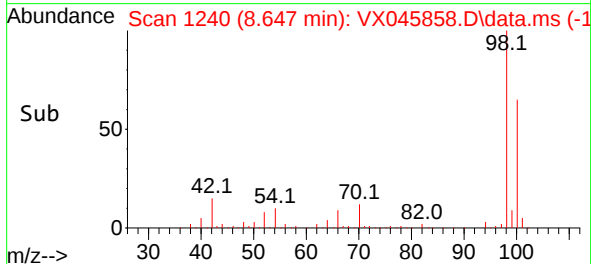
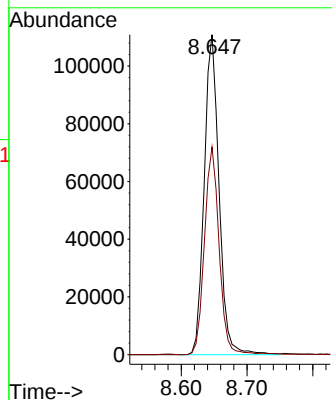
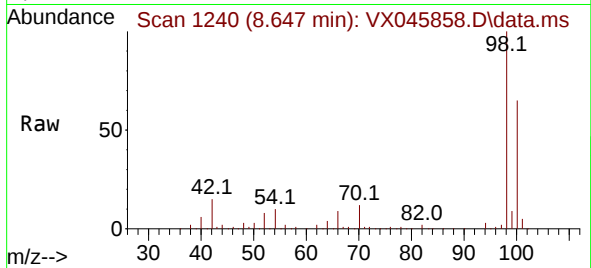




#50  
Toluene-d8  
Concen: 51.242 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

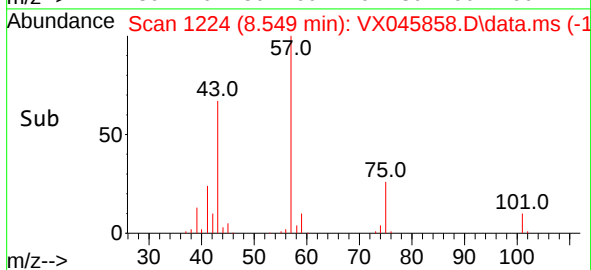
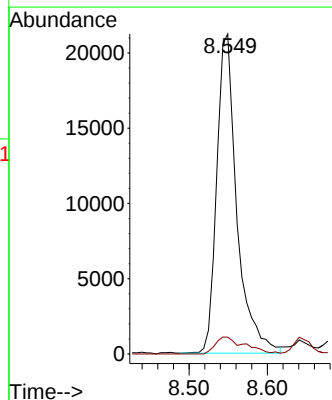
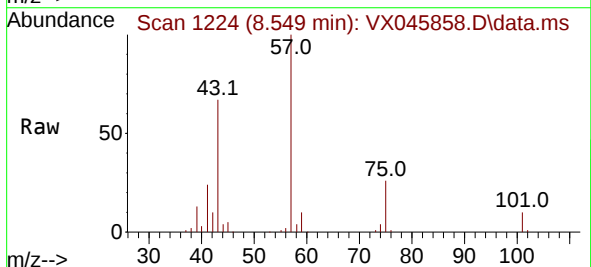
Instrument :  
MSVOA\_X  
ClientSampleId :  
PL-714-COMP-03

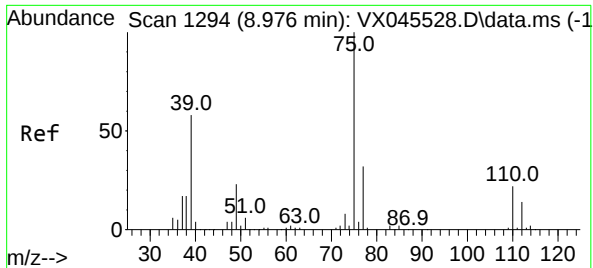
Tgt Ion: 98 Resp: 173961  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.2 78.4



#51  
4-Methyl-2-Pentanone  
Concen: 22.812 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.024 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 43 Resp: 37932  
Ion Ratio Lower Upper  
43 100  
58 7.8 28.5 42.7#

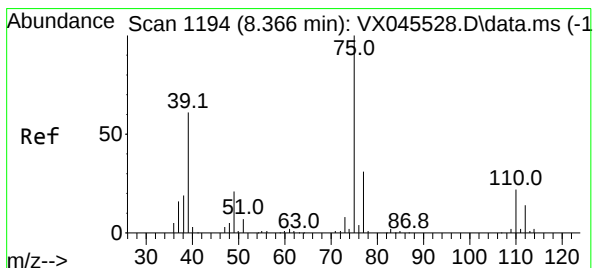
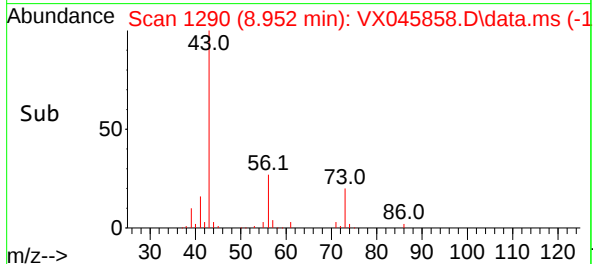
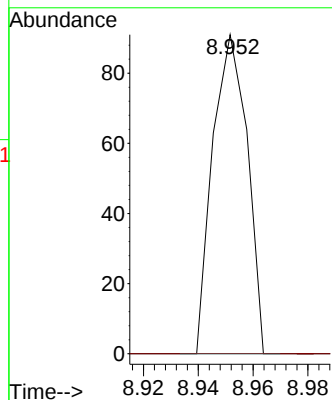
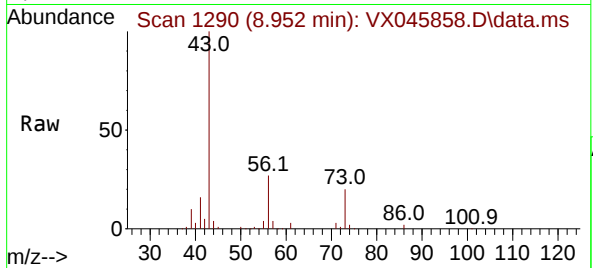




#53  
 t-1,3-Dichloropropene  
 Concen: 2.341 ug/l  
 RT: 8.952 min Scan# 11  
 Delta R.T. -0.024 min  
 Lab File: VX045858.D  
 Acq: 18 Apr 2025 15:19

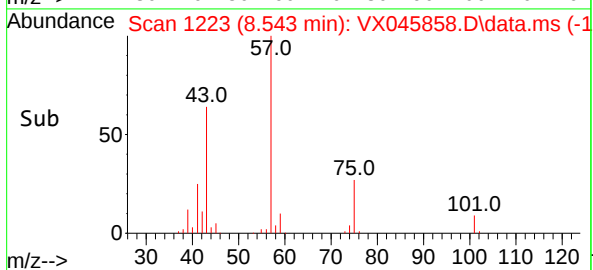
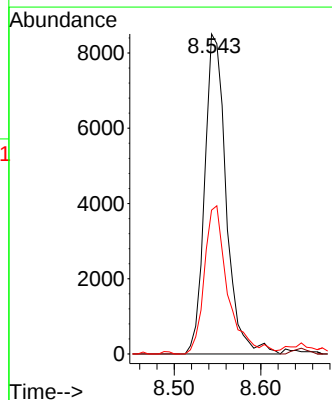
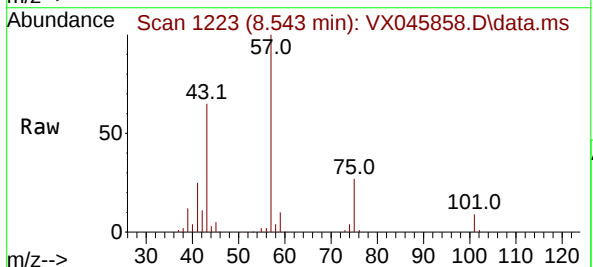
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PL-714-COMP-03

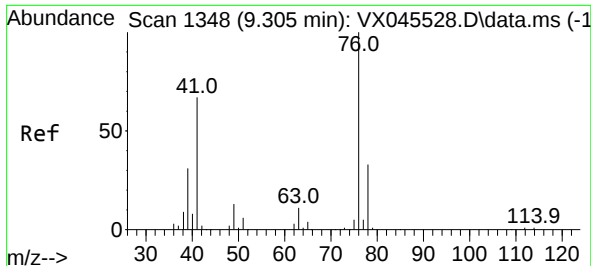
Tgt Ion: 75 Resp: 80  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.4 38.0#



#54  
 cis-1,3-Dichloropropene  
 Concen: 10.152 ug/l  
 RT: 8.543 min Scan# 1223  
 Delta R.T. 0.177 min  
 Lab File: VX045858.D  
 Acq: 18 Apr 2025 15:19

Tgt Ion: 75 Resp: 14636  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.6 36.8#  
 39 45.0 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.761 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045858.D

Acq: 18 Apr 2025 15:19

Instrument :

MSVOA\_X

ClientSampleId :

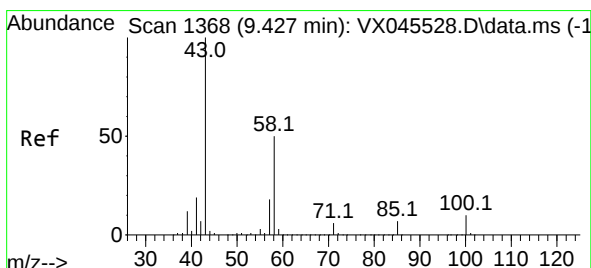
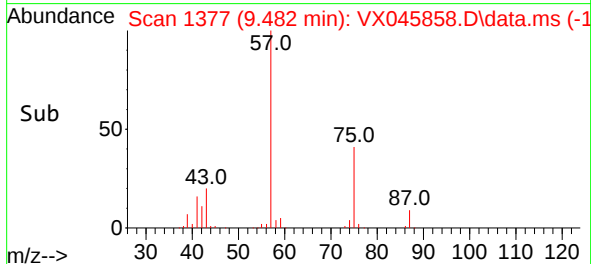
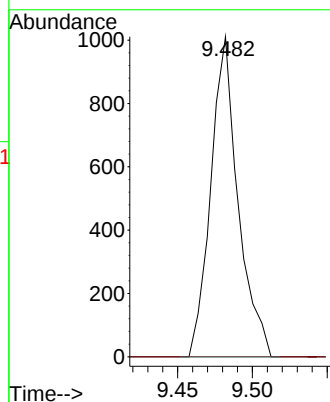
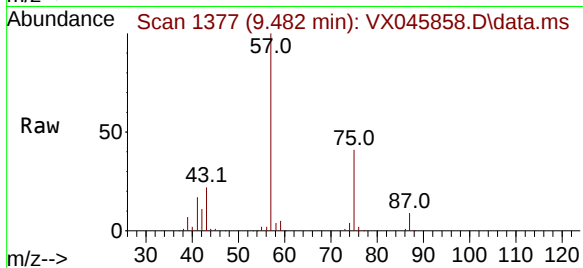
PL-714-COMP-03

Tgt Ion: 76 Resp: 1282

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 11.337 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045858.D

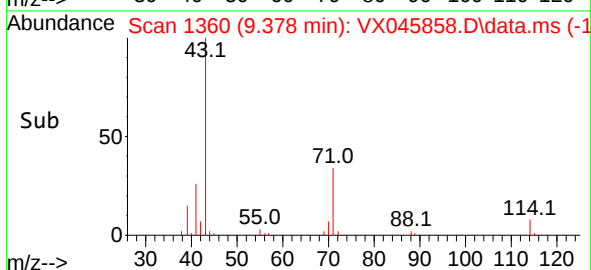
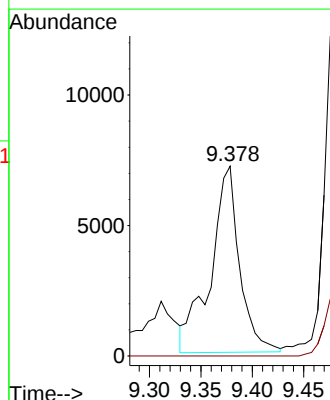
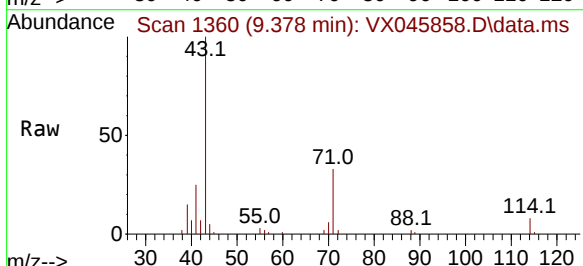
Acq: 18 Apr 2025 15:19

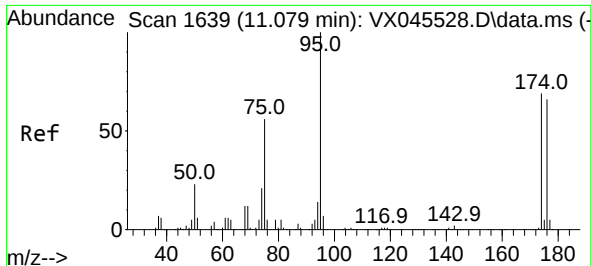
Tgt Ion: 43 Resp: 13960

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

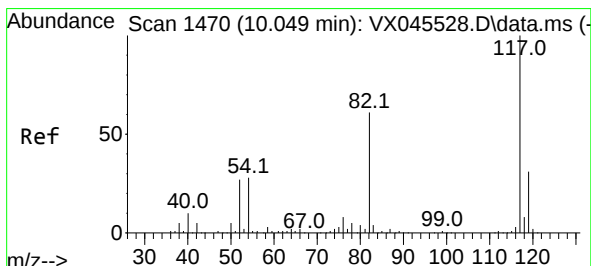
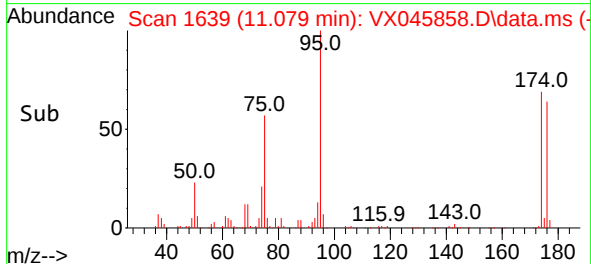
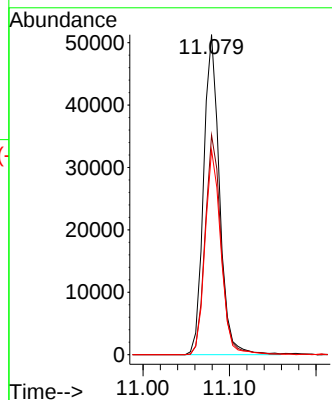
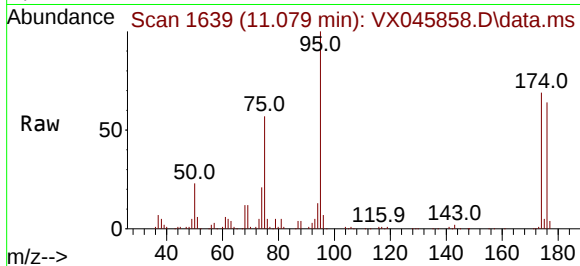




#62  
4-Bromofluorobenzene  
Concen: 52.812 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

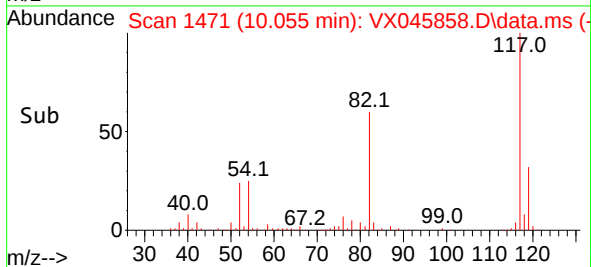
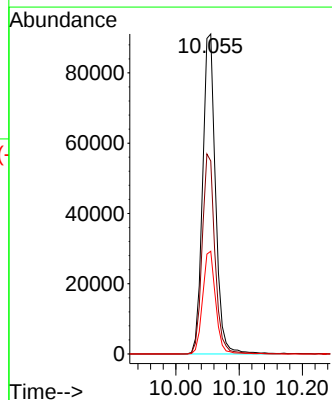
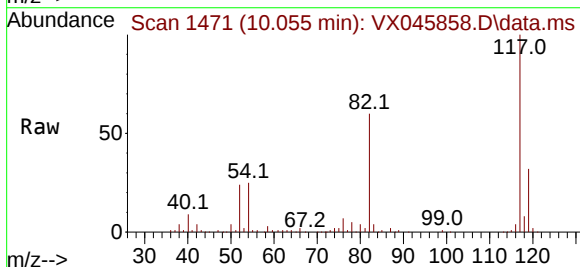
Instrument :  
MSVOA\_X  
ClientSampleId :  
PL-714-COMP-03

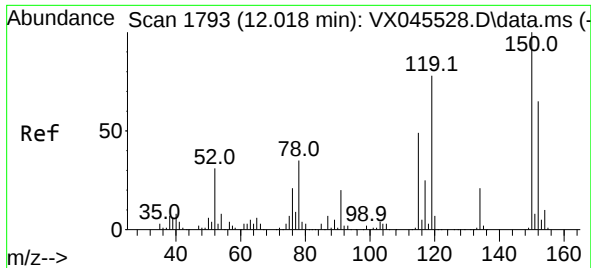
Tgt Ion: 95 Resp: 65306  
Ion Ratio Lower Upper  
95 100  
174 69.1 0.0 135.8  
176 64.2 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 117 Resp: 129579  
Ion Ratio Lower Upper  
117 100  
82 60.3 49.2 73.8  
119 32.1 25.1 37.7

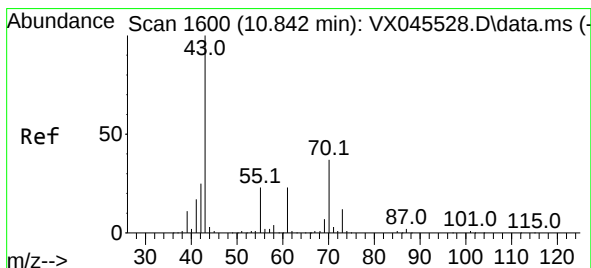
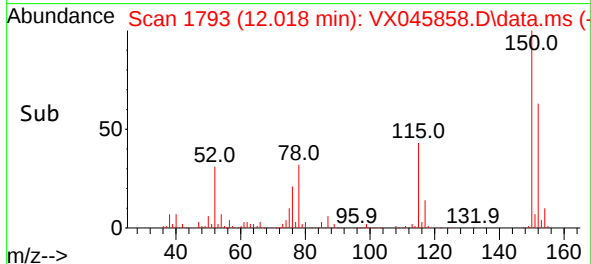
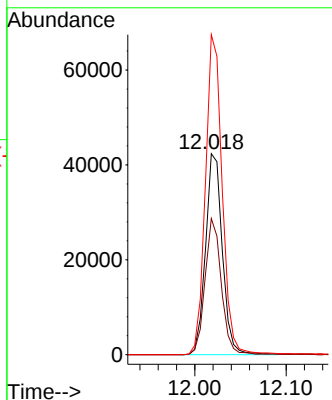
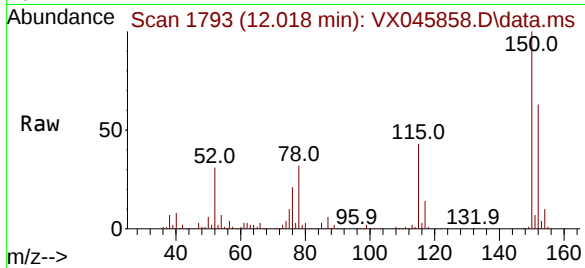




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

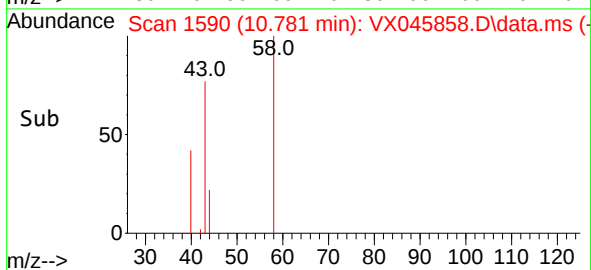
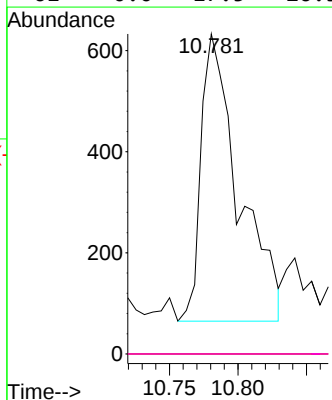
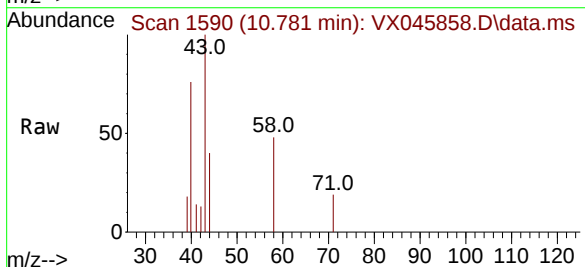
Instrument :  
MSVOA\_X  
ClientSampleId :  
PL-714-COMP-03

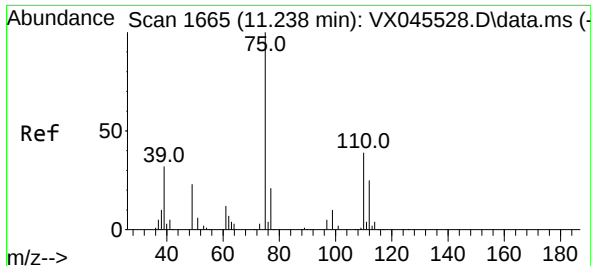
Tgt Ion:152 Resp: 54184  
Ion Ratio Lower Upper  
152 100  
115 65.7 46.9 140.7  
150 159.8 0.0 349.4



#74  
N-ethyl acetate  
Concen: 0.525 ug/l  
RT: 10.781 min Scan# 1590  
Delta R.T. -0.061 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 43 Resp: 1089  
Ion Ratio Lower Upper  
43 100  
70 0.0 30.1 45.1#  
55 0.0 18.3 27.5#  
61 0.0 17.5 26.3#

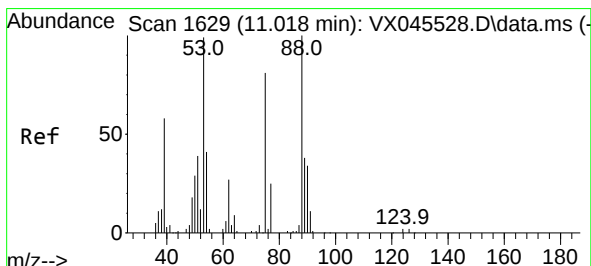
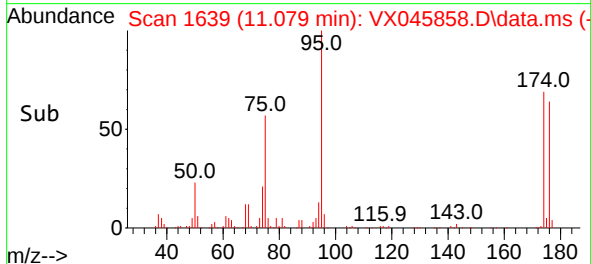
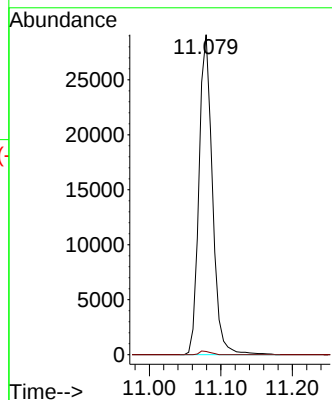
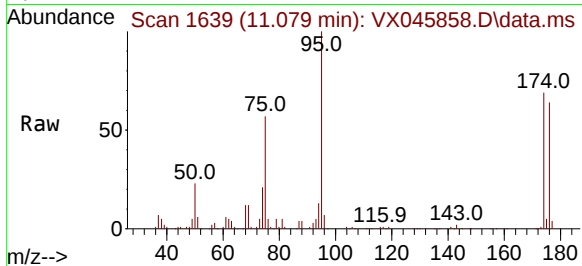




#76  
1,2,3-Trichloropropane  
Concen: 28.720 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
PL-714-COMP-03

Tgt Ion: 75 Resp: 37959  
Ion Ratio Lower Upper  
75 100  
77 0.9 20.0 59.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.473 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045858.D  
Acq: 18 Apr 2025 15:19

Tgt Ion: 75 Resp: 37959  
Ion Ratio Lower Upper  
75 100  
53 0.0 101.8 152.6#  
89 0.0 37.2 55.8#

