

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041825\  
 Data File : VX045848.D  
 Acq On : 18 Apr 2025 11:28  
 Operator : JC/MD  
 Sample : Q1825-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-9

Quant Time: Apr 18 23:35:54 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

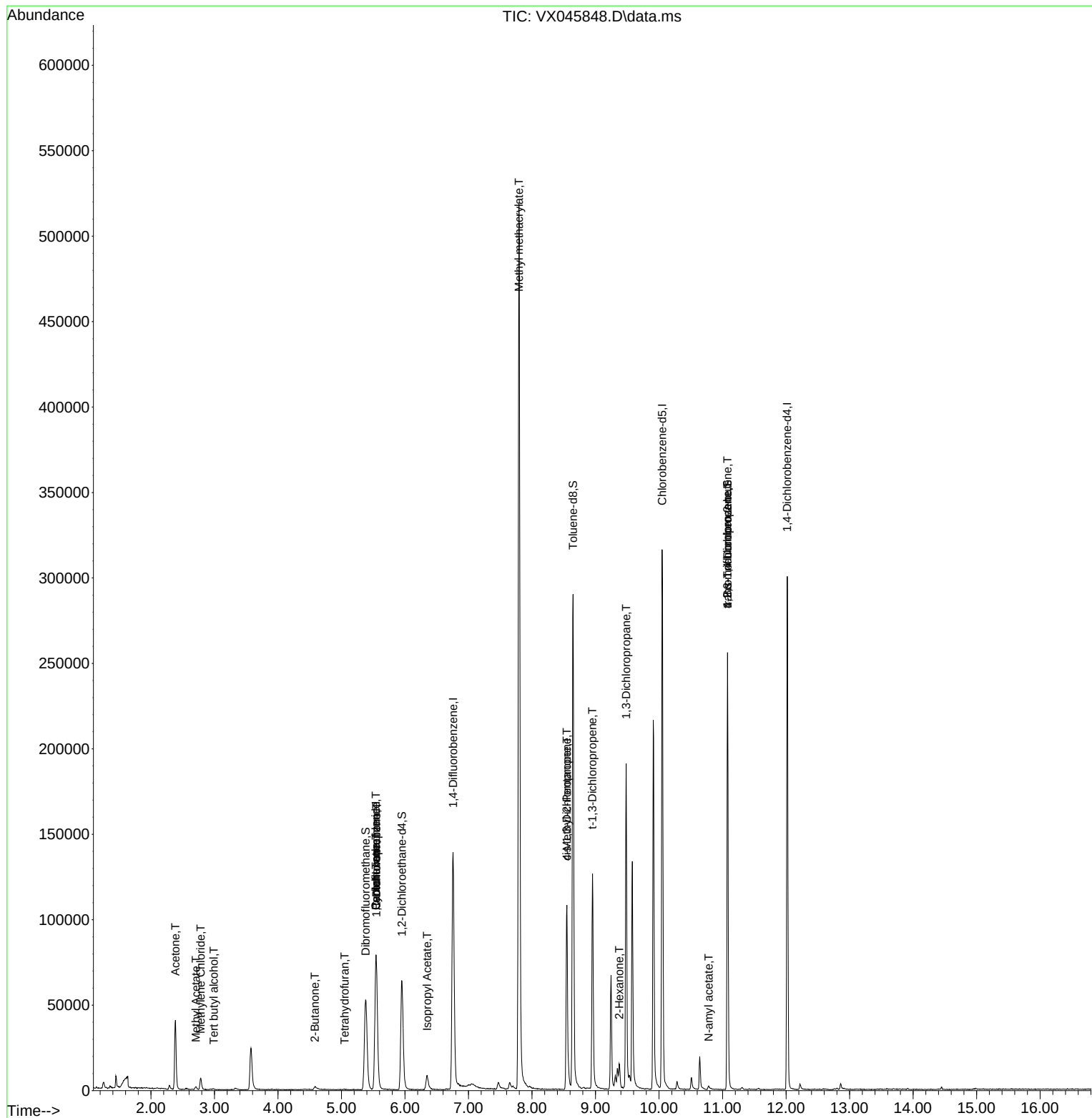
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 68921    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 134555   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 127493   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 54590    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 65939    | 52.317   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 104.640% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 47069    | 49.304   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 98.600%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 167571   | 50.289   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 100.580% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 65902    | 54.296   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 108.600% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.989  | 59    | 732      | 4.321    | ug/l #     | 72       |
| 16) Acetone                   | 2.386  | 43    | 45014    | 86.975   | ug/l       | 97       |
| 18) Methyl Acetate            | 2.709  | 43    | 2377     | 1.995    | ug/l       | 93       |
| 20) Methylene Chloride        | 2.782  | 84    | 3079     | 3.178    | ug/l       | 93       |
| 25) 2-Butanone                | 4.580  | 43    | 4312     | 5.692    | ug/l       | 95       |
| 29) Tetrahydrofuran           | 5.050  | 42    | 206      | 0.419    | ug/l #     | 42       |
| 31) Cyclohexane               | 5.544  | 56    | 2102     | 1.360    | ug/l #     | 16       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6652     | 5.161    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7866     | 5.646    | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 6.348  | 43    | 12620    | 5.126    | ug/l       | 99       |
| 48) Methyl methacrylate       | 7.793  | 41    | 51016    | 40.133   | ug/l #     | 50       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 43774    | 26.821   | ug/l #     | 47       |
| 53) t-1,3-Dichloropropene     | 8.951  | 75    | 196      | 2.418    | ug/l #     | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 16268    | 11.496   | ug/l #     | 66       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 1711     | 1.035    | ug/l #     | 42       |
| 59) 2-Hexanone                | 9.372  | 43    | 13329    | 11.028   | ug/l #     | 28       |
| 74) N-amyl acetate            | 10.780 | 43    | 1832     | 0.876    | ug/l #     | 46       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 38238    | 28.716   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 38238    | 97.460   | ug/l #     | 1        |
| -----                         |        |       |          |          |            |          |

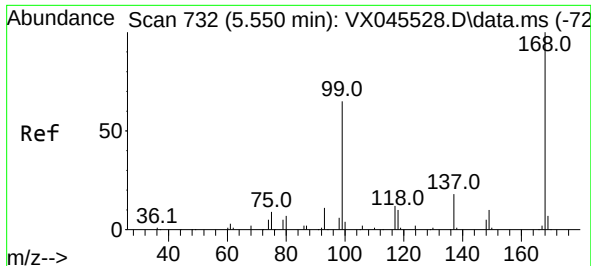
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration

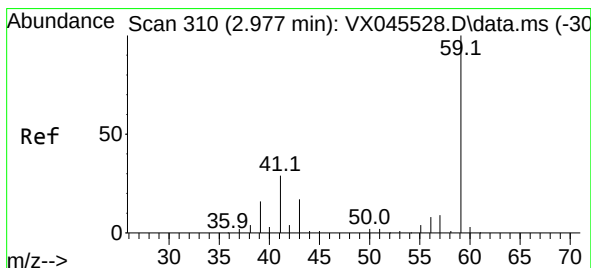
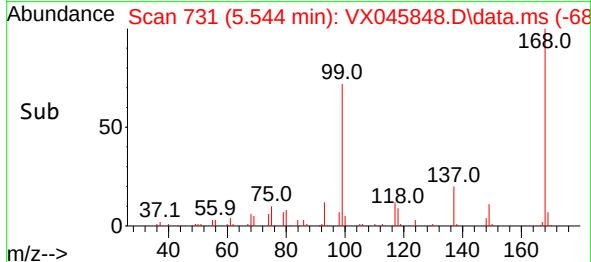
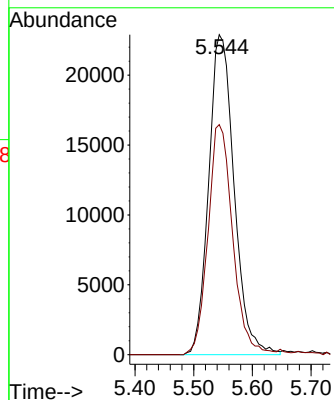
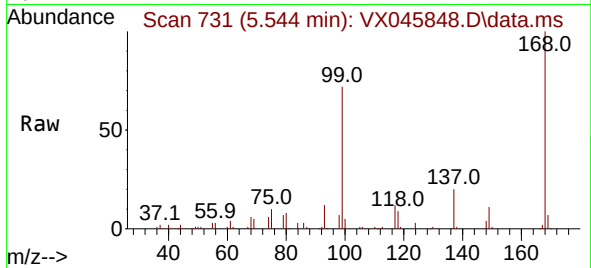




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

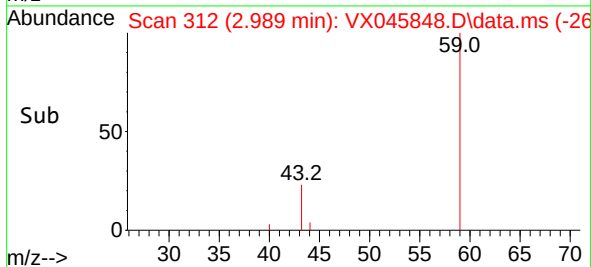
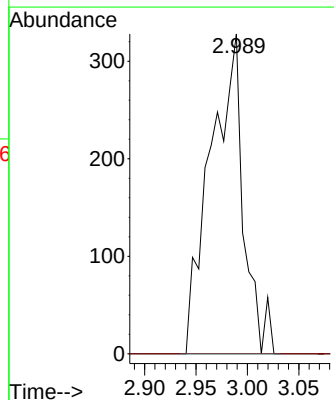
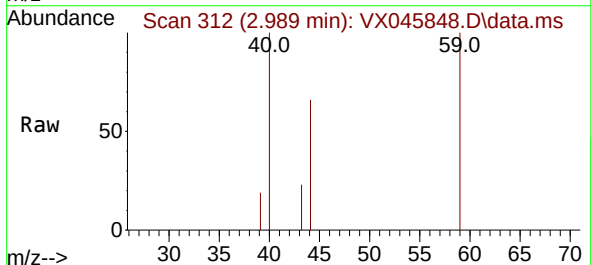
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

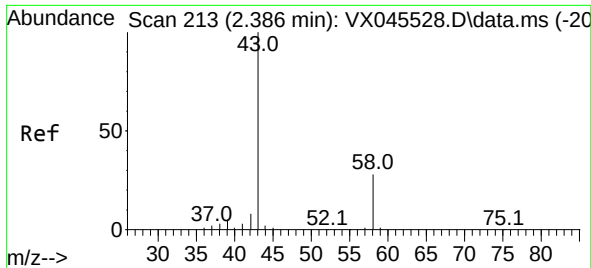
Tgt Ion:168 Resp: 68921  
Ion Ratio Lower Upper  
168 100  
99 71.9 52.3 78.5



#11  
Tert butyl alcohol  
Concen: 4.321 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. 0.012 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

Tgt Ion: 59 Resp: 732  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

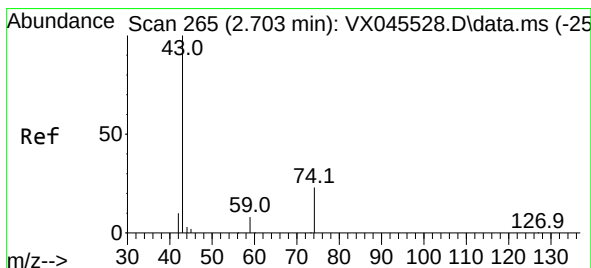
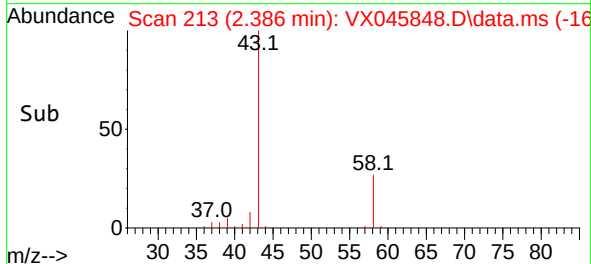
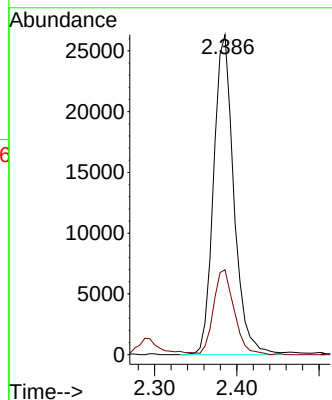
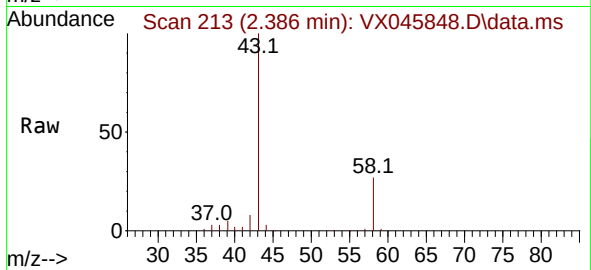




#16  
Acetone  
Concen: 86.975 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

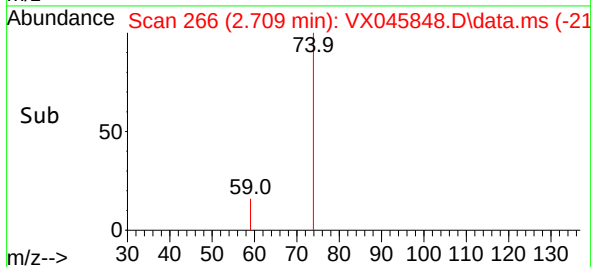
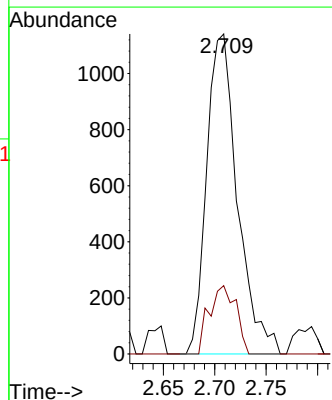
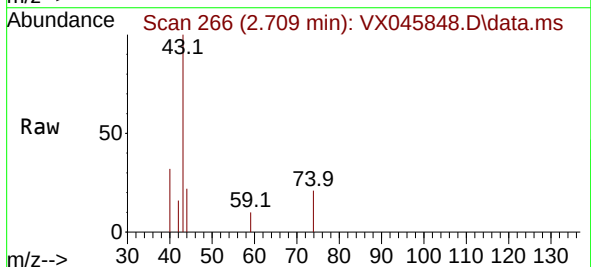
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

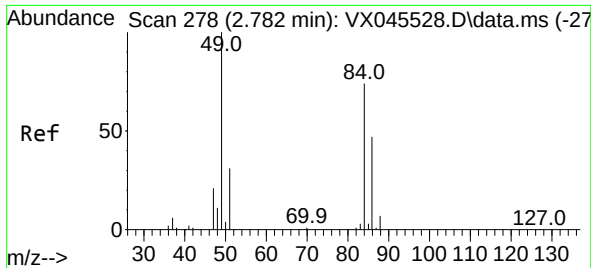
Tgt Ion: 43 Resp: 45014  
Ion Ratio Lower Upper  
43 100  
58 26.2 22.3 33.5



#18  
Methyl Acetate  
Concen: 1.995 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

Tgt Ion: 43 Resp: 2377  
Ion Ratio Lower Upper  
43 100  
74 18.6 17.5 26.3

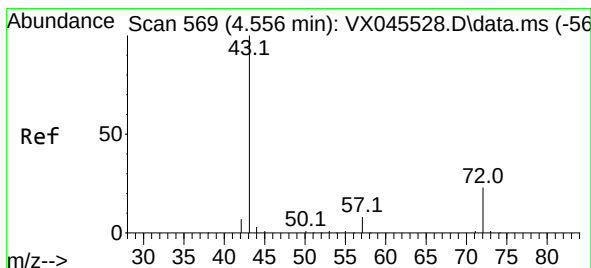
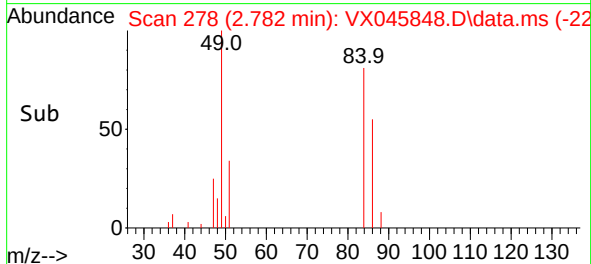
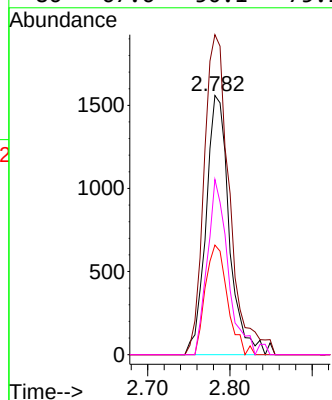
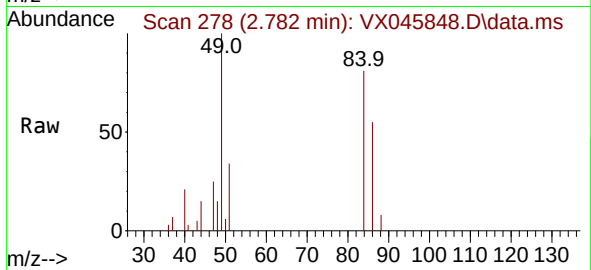




#20  
Methylene Chloride  
Concen: 3.178 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

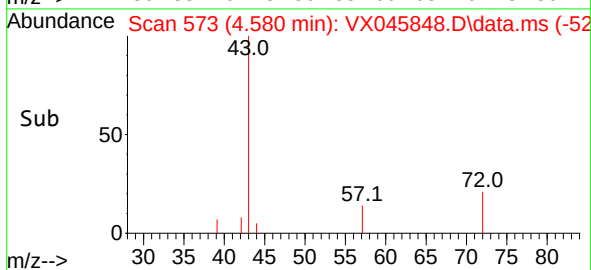
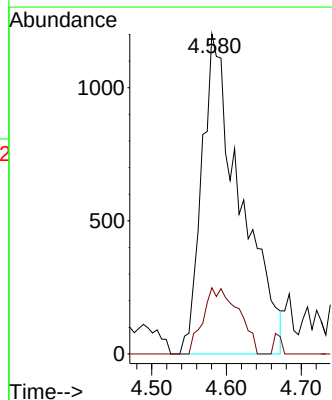
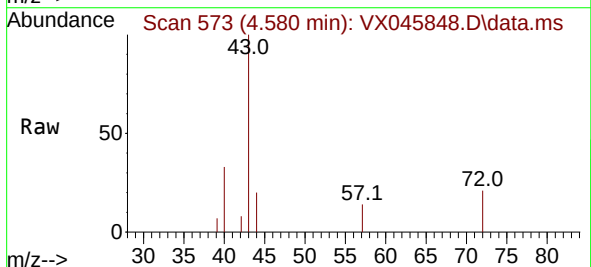
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

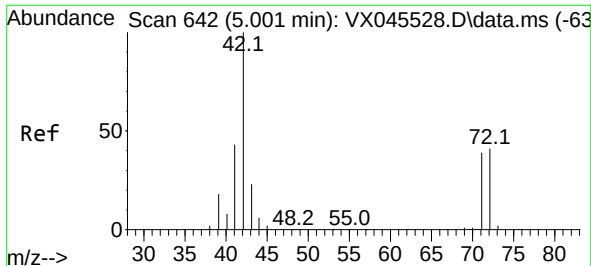
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3079  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.5 | 107.5 | 161.3 |
| 51       | 42.3  | 33.0  | 49.6  |
| 86       | 67.6  | 50.1  | 75.1  |



#25  
2-Butanone  
Concen: 5.692 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.024 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4312  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 20.7  | 18.6  | 28.0  |





#29

Tetrahydrofuran

Concen: 0.419 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045848.D

Acq: 18 Apr 2025 11:28

Instrument :

MSVOA\_X

ClientSampleId :

TP-9

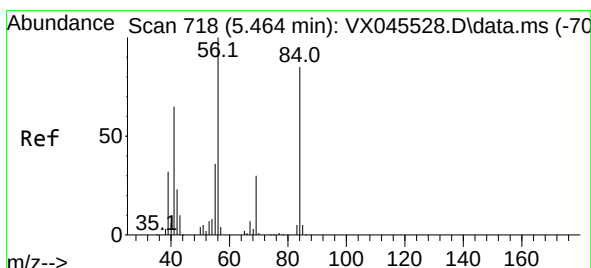
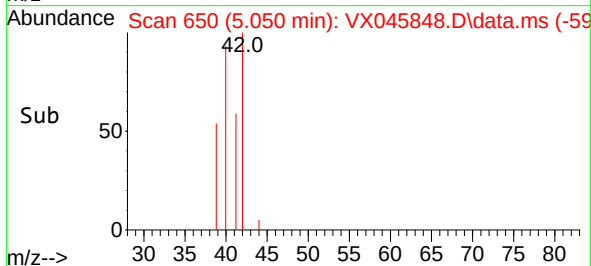
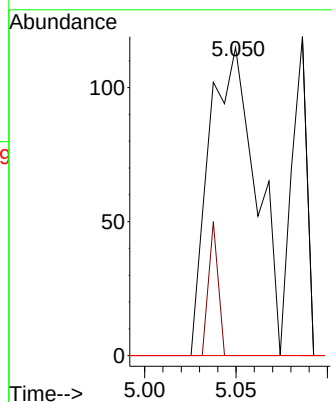
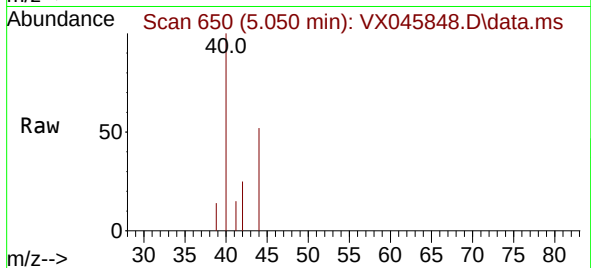
Tgt Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

72 8.7 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.360 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045848.D

Acq: 18 Apr 2025 11:28

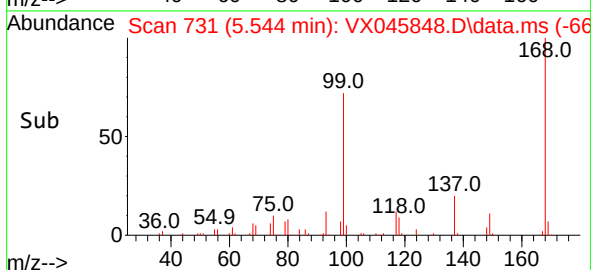
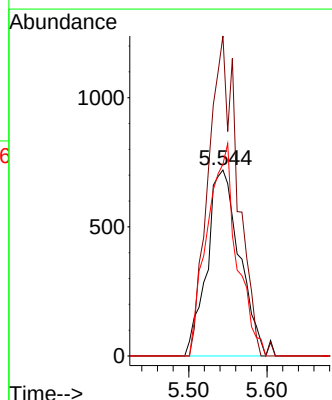
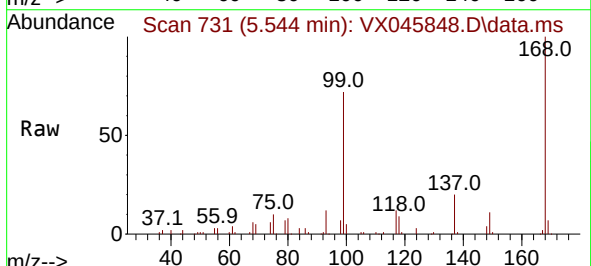
Tgt Ion: 56 Resp: 2102

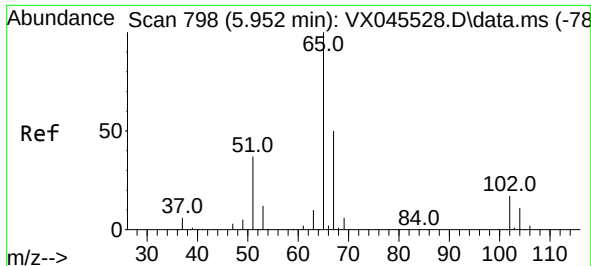
Ion Ratio Lower Upper

56 100

69 172.1 23.6 35.4#

84 103.1 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 52.317 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045848.D

Acq: 18 Apr 2025 11:28

Instrument :

MSVOA\_X

ClientSampleId :

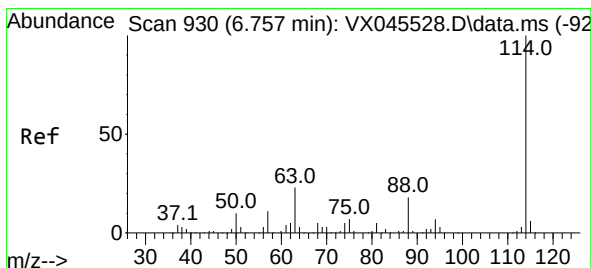
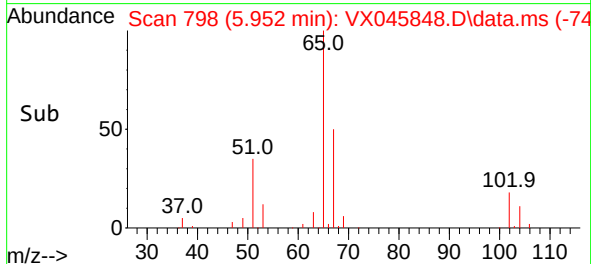
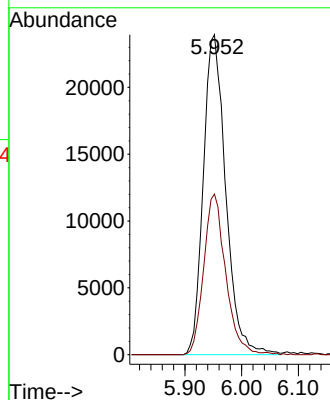
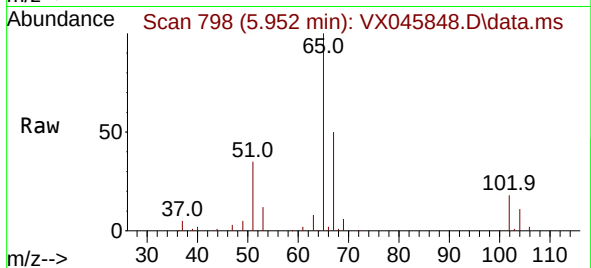
TP-9

Tgt Ion: 65 Resp: 65939

Ion Ratio Lower Upper

65 100

67 49.3 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: VX045848.D

Acq: 18 Apr 2025 11:28

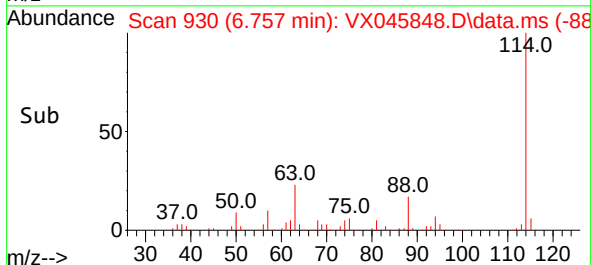
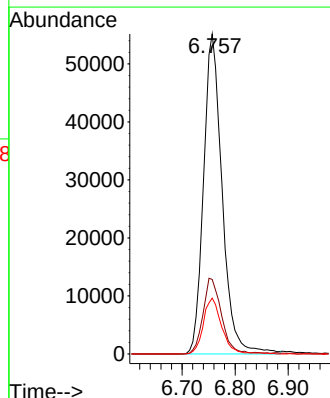
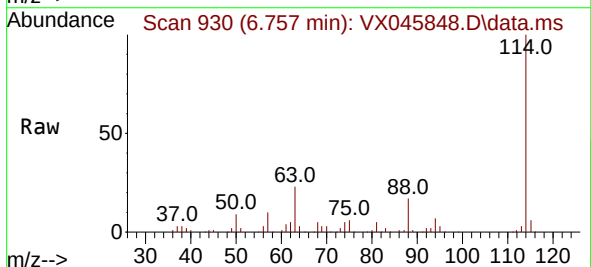
Tgt Ion: 114 Resp: 134555

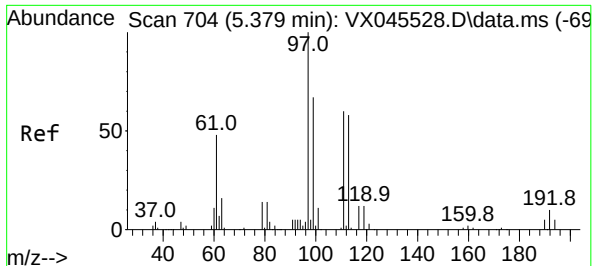
Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.8

88 17.4 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.304 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045848.D

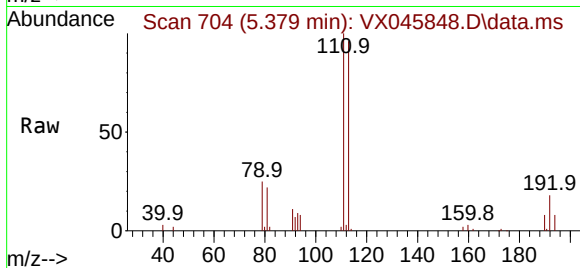
Acq: 18 Apr 2025 11:28

Instrument :

MSVOA\_X

ClientSampleId :

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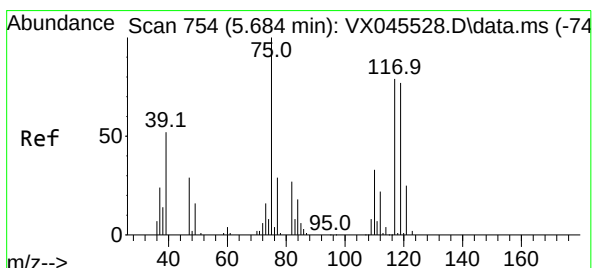
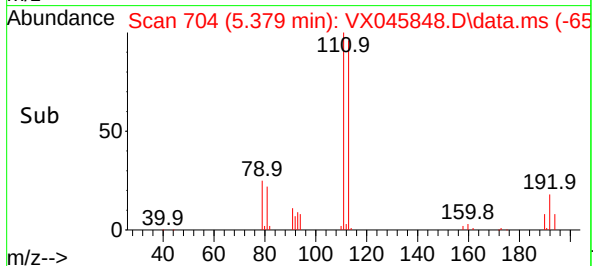
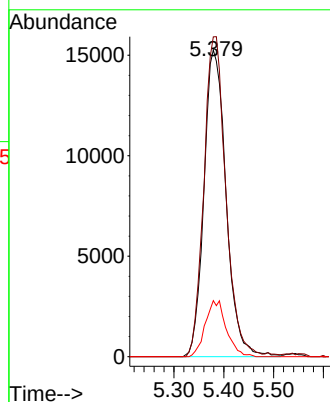
Tgt Ion:113 Resp: 47069

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.6

192 17.4 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.161 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX045848.D

Acq: 18 Apr 2025 11:28

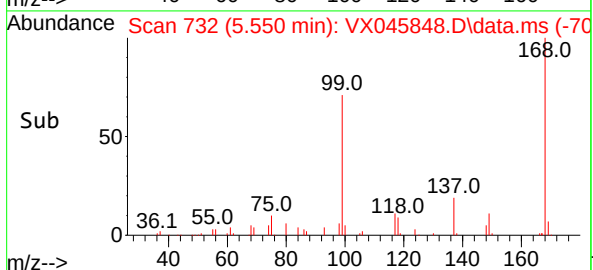
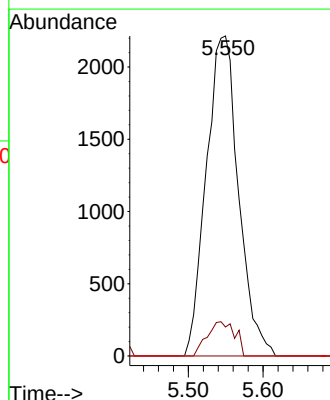
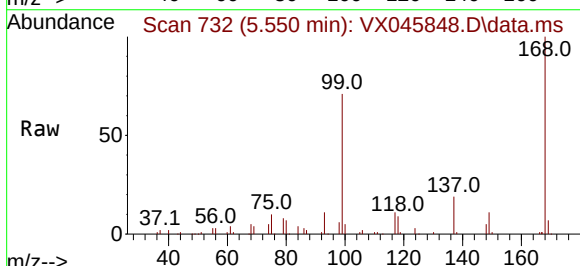
Tgt Ion: 75 Resp: 6652

Ion Ratio Lower Upper

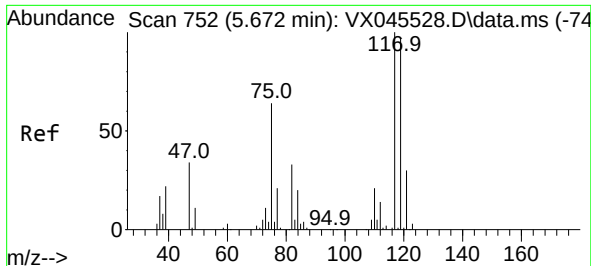
75 100

110 9.2 16.9 50.6#

77 0.0 25.0 37.4#

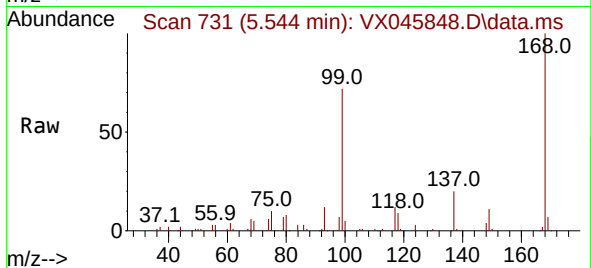




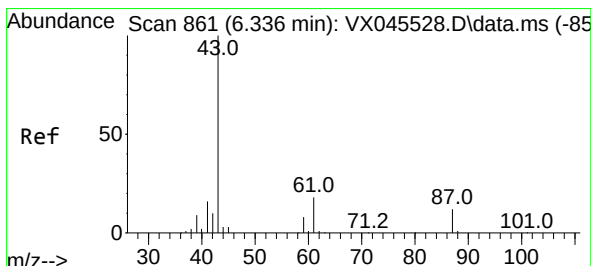
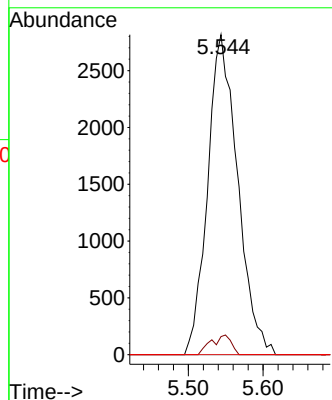
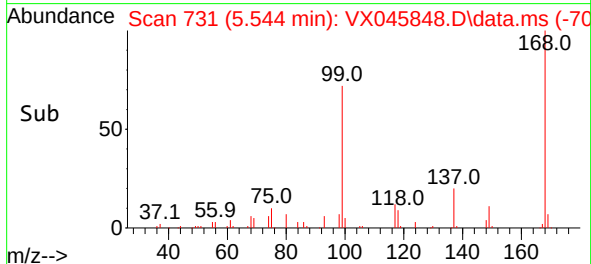


#38  
Carbon Tetrachloride  
Concen: 5.646 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

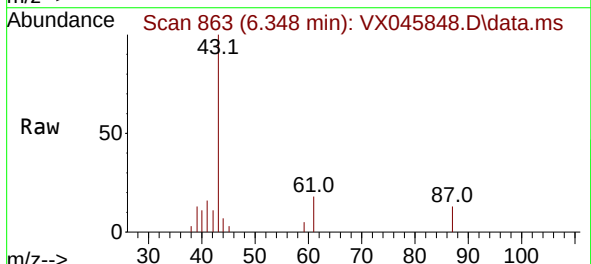
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9



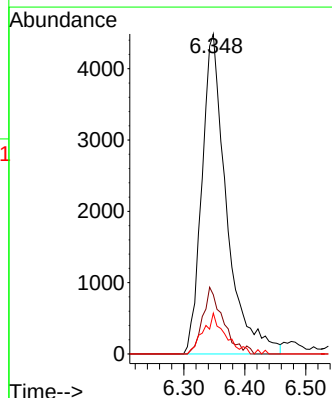
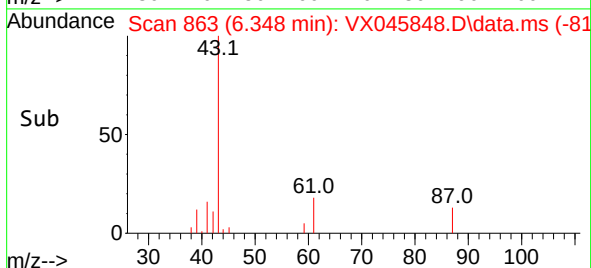
Tgt Ion:117 Resp: 7866  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.9 115.3#  
121 0.0 24.2 36.2#

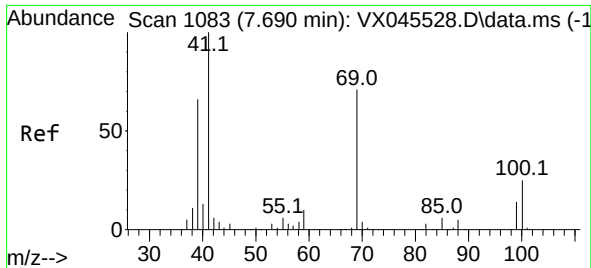


#43  
Isopropyl Acetate  
Concen: 5.126 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.012 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28



Tgt Ion: 43 Resp: 12620  
Ion Ratio Lower Upper  
43 100  
61 17.3 14.1 21.1  
87 11.1 9.2 13.8

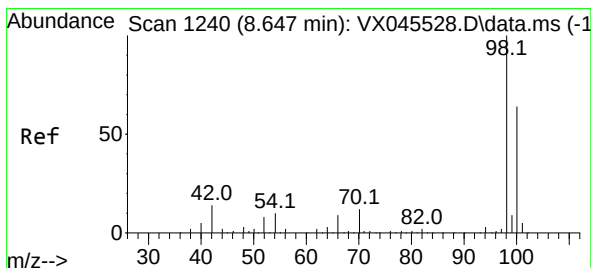
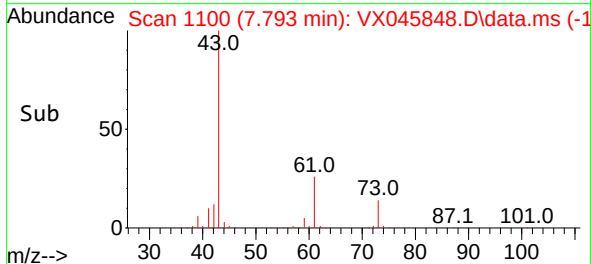
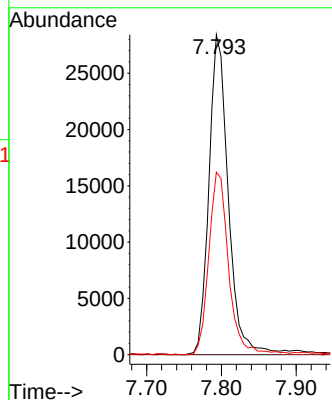
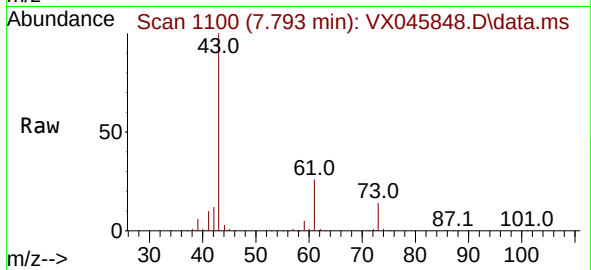




#48  
Methyl methacrylate  
Concen: 40.133 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.104 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

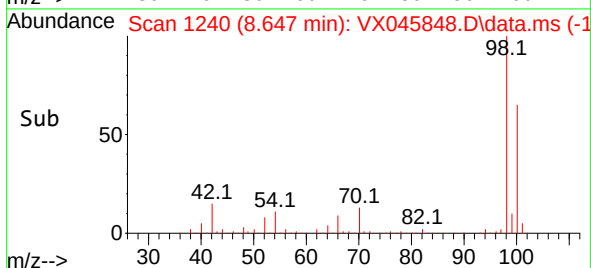
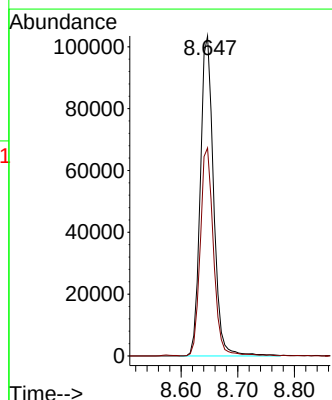
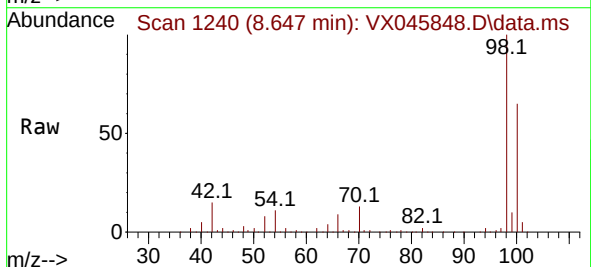
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

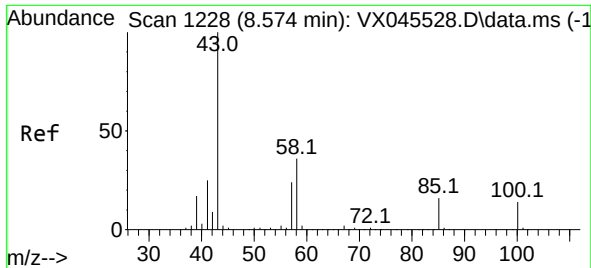
Tgt Ion: 41 Resp: 51016  
Ion Ratio Lower Upper  
41 100  
69 0.0 58.2 87.2#  
39 58.7 53.6 80.4



#50  
Toluene-d8  
Concen: 50.289 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

Tgt Ion: 98 Resp: 167571  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.4

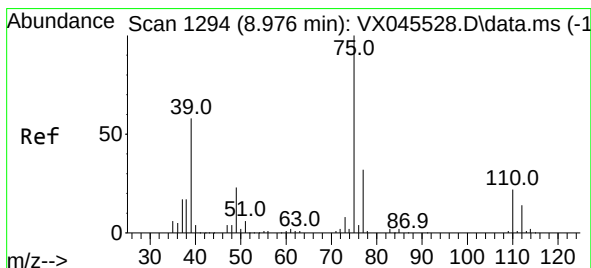
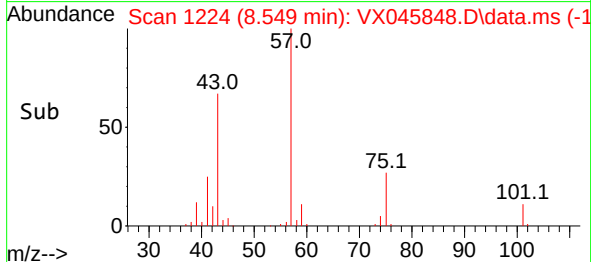
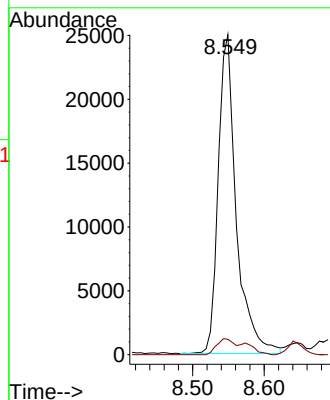
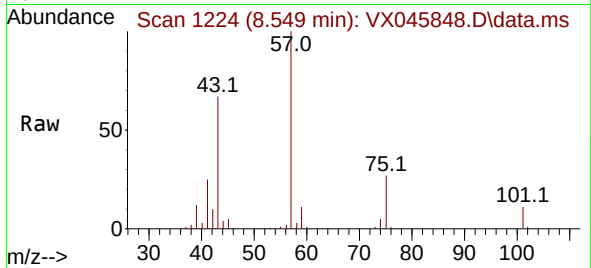




#51  
4-Methyl-2-Pentanone  
Concen: 26.821 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

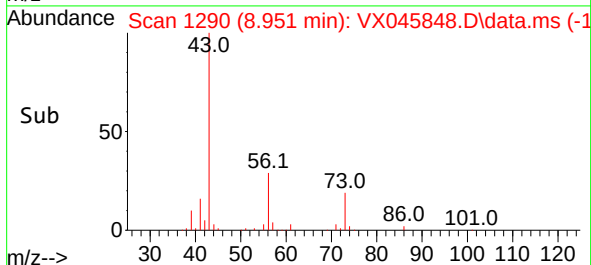
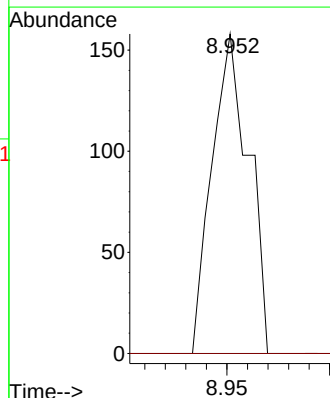
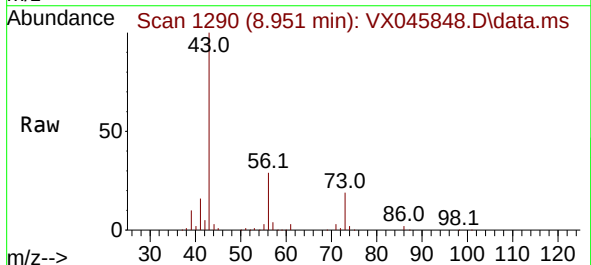
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

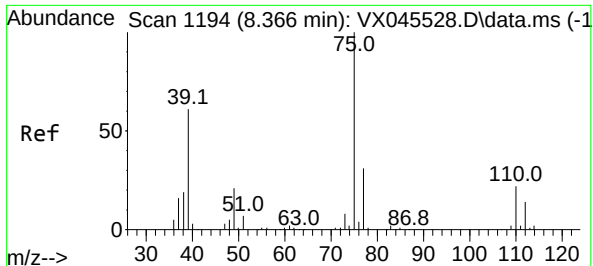
Tgt Ion: 43 Resp: 43774  
Ion Ratio Lower Upper  
43 100  
58 4.9 28.5 42.7#



#53  
t-1,3-Dichloropropene  
Concen: 2.418 ug/l  
RT: 8.951 min Scan# 1290  
Delta R.T. -0.025 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

Tgt Ion: 75 Resp: 196  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.4 38.0#

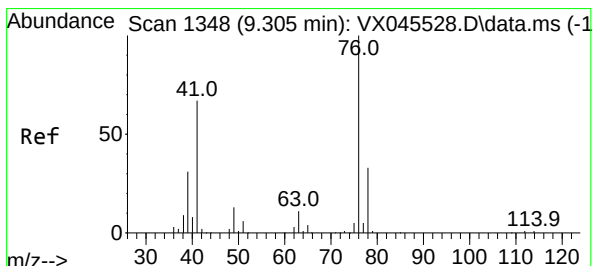
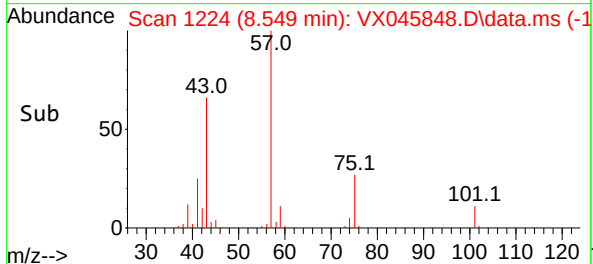
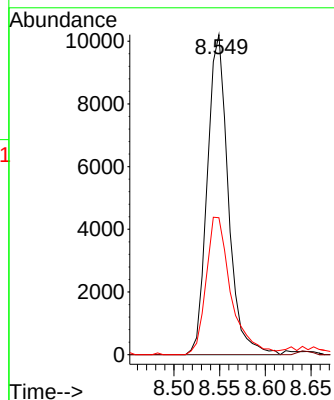
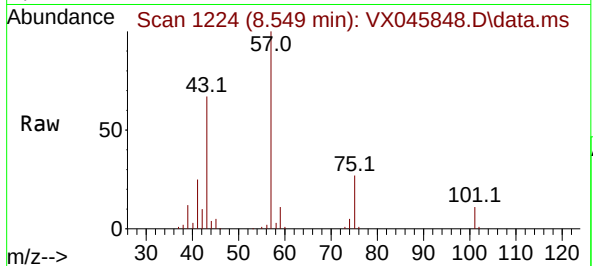




#54  
 cis-1,3-Dichloropropene  
 Concen: 11.496 ug/l  
 RT: 8.549 min Scan# 1194  
 Delta R.T. 0.183 min  
 Lab File: VX045848.D  
 Acq: 18 Apr 2025 11:28

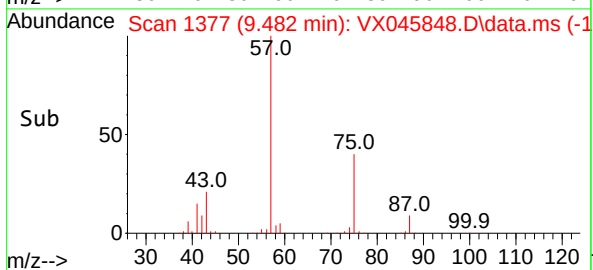
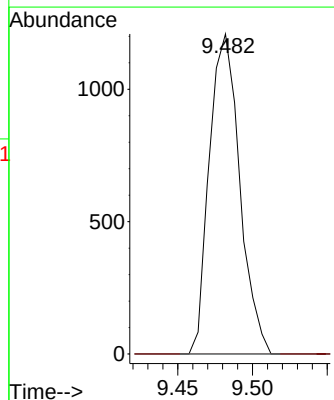
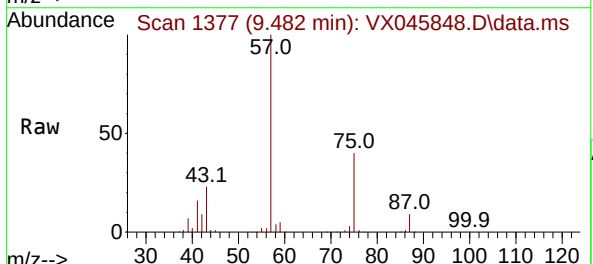
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-9

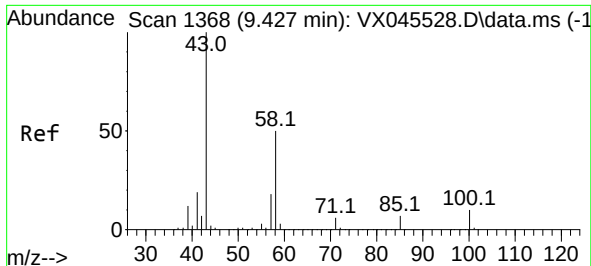
Tgt Ion: 75 Resp: 16268  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.6 36.8#  
 39 42.8 48.4 72.6#



#57  
 1,3-Dichloropropane  
 Concen: 1.035 ug/l  
 RT: 9.482 min Scan# 1377  
 Delta R.T. 0.177 min  
 Lab File: VX045848.D  
 Acq: 18 Apr 2025 11:28

Tgt Ion: 76 Resp: 1711  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 11.028 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045848.D

Acq: 18 Apr 2025 11:28

Instrument :

MSVOA\_X

ClientSampleId :

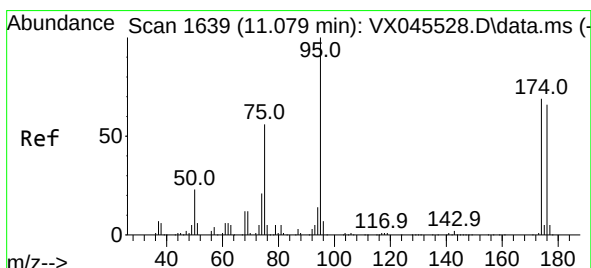
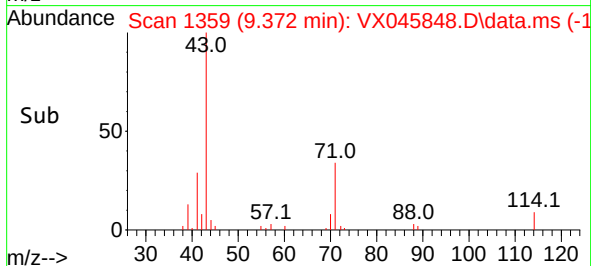
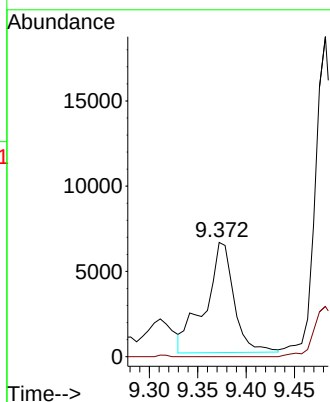
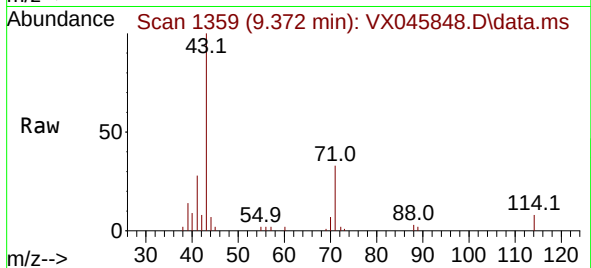
TP-9

Tgt Ion: 43 Resp: 13329

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 54.296 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045848.D

Acq: 18 Apr 2025 11:28

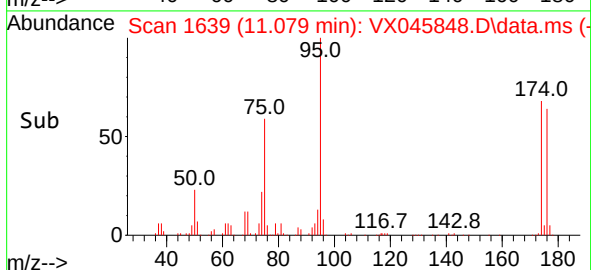
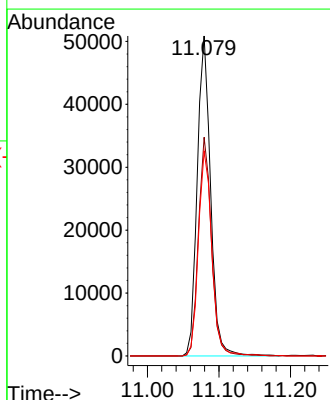
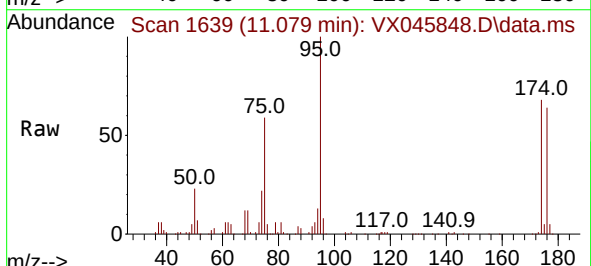
Tgt Ion: 95 Resp: 65902

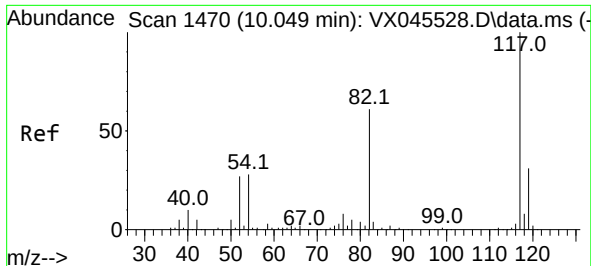
Ion Ratio Lower Upper

95 100

174 67.1 0.0 135.8

176 64.8 0.0 131.4

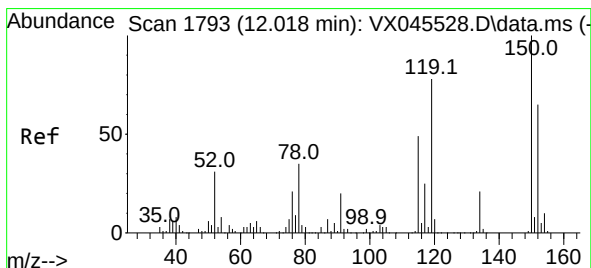
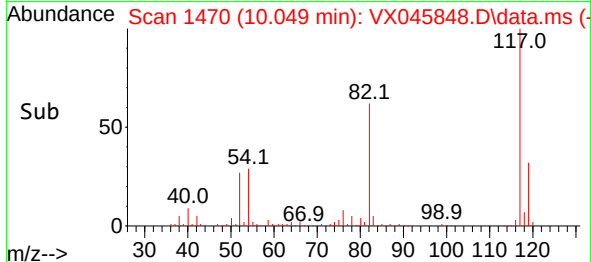
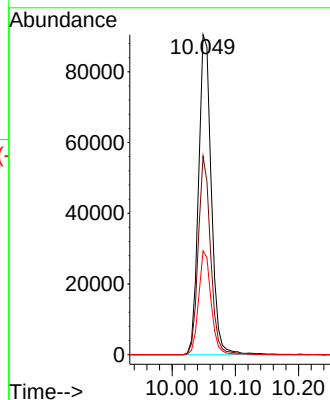
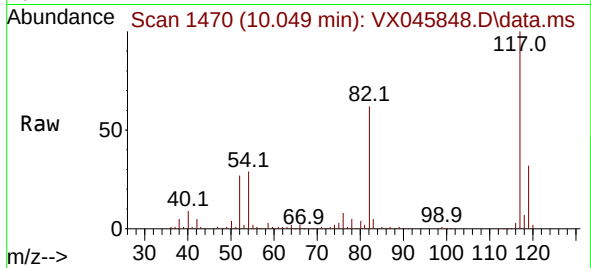




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

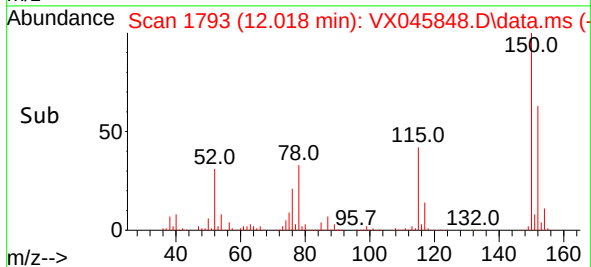
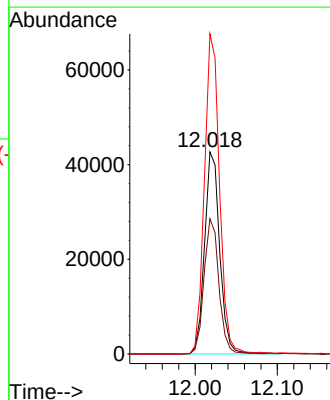
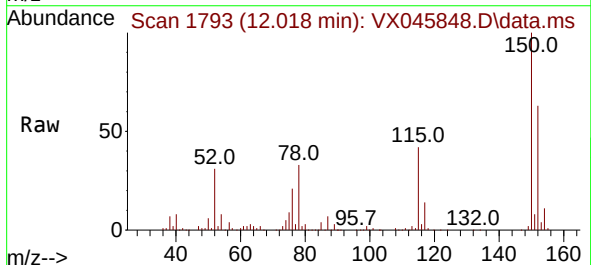
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

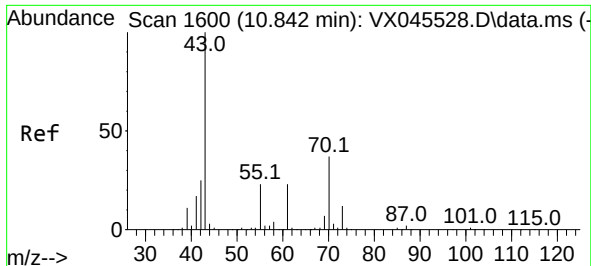
Tgt Ion:117 Resp: 127493  
Ion Ratio Lower Upper  
117 100  
82 62.0 49.2 73.8  
119 32.4 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

Tgt Ion:152 Resp: 54590  
Ion Ratio Lower Upper  
152 100  
115 65.8 46.9 140.7  
150 157.9 0.0 349.4

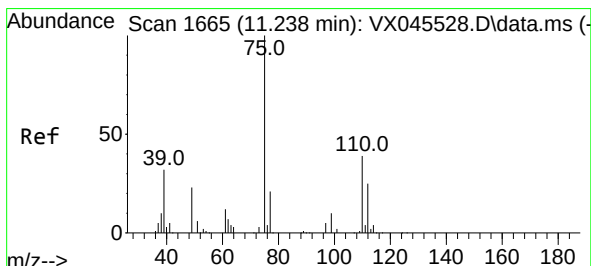
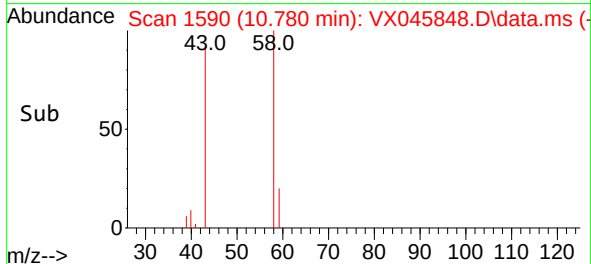
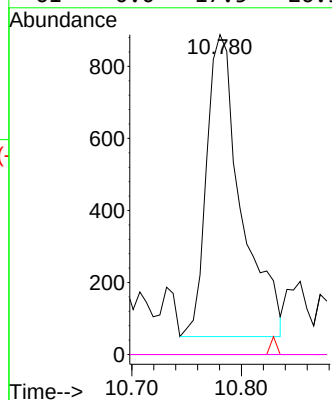
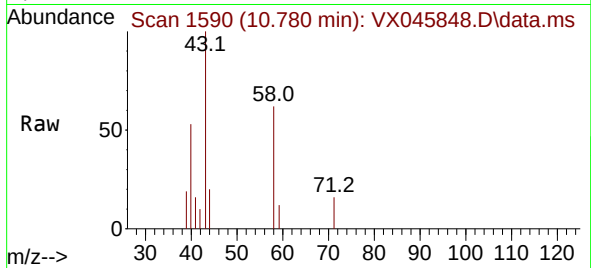




#74  
N-amy1 acetate  
Concen: 0.876 ug/l  
RT: 10.780 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

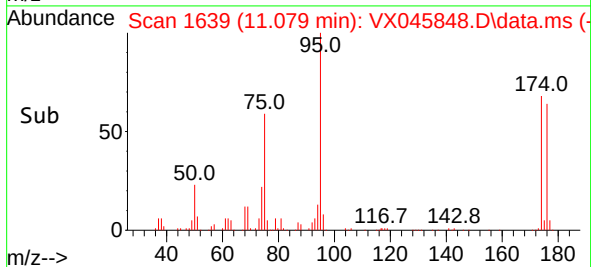
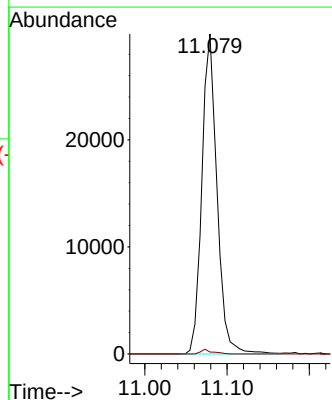
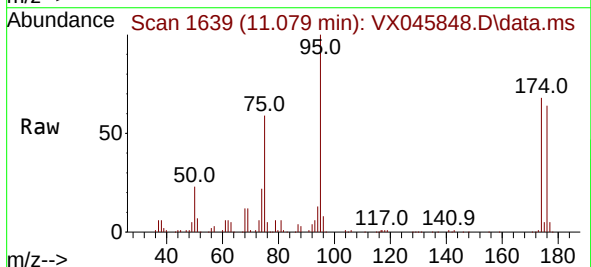
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

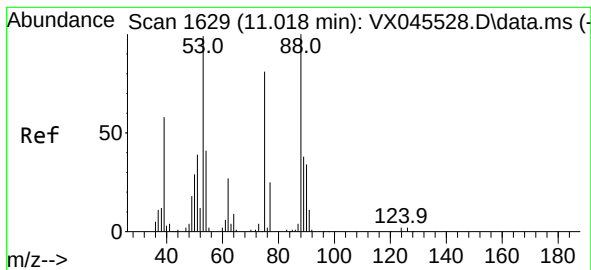
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1832  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 30.1  | 45.1# |
| 55       | 0.0   | 18.3  | 27.5# |
| 61       | 0.0   | 17.5  | 26.3# |



#76  
1,2,3-Trichloropropane  
Concen: 28.716 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045848.D  
Acq: 18 Apr 2025 11:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 38238 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 1.1   | 20.0  | 59.9# |





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 97.460 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045848.D  
 Acq: 18 Apr 2025 11:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-9

Tgt Ion: 75 Resp: 38238  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 101.8 152.6#  
 89 0.0 37.2 55.8#

