

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042225\  
 Data File : VX045886.D  
 Acq On : 22 Apr 2025 15:40  
 Operator : JC/MD  
 Sample : PB167661ZHE#07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB167661ZHE#07

Quant Time: Apr 23 01:35:02 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

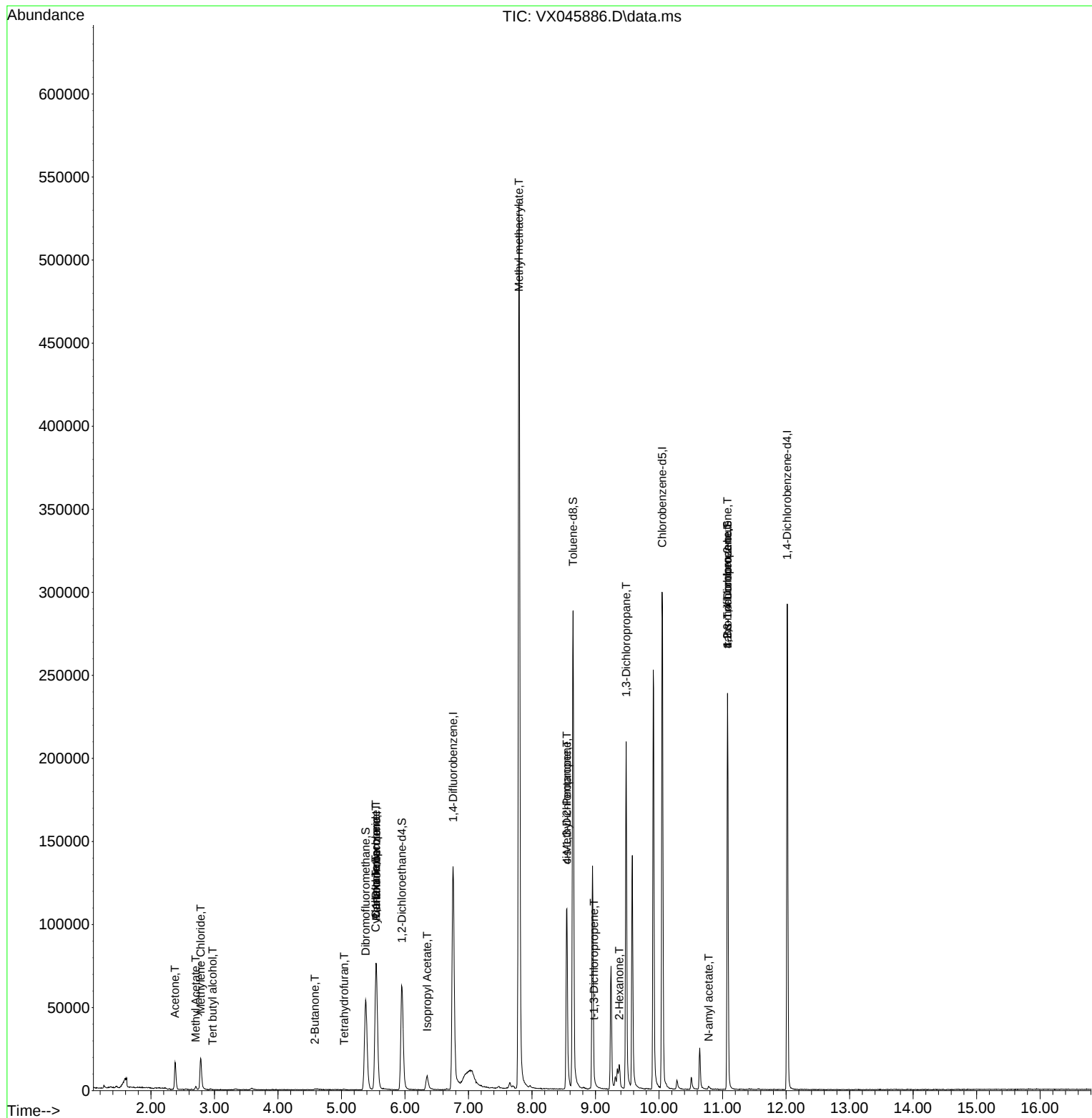
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 65712    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 130601   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 124688   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 53244    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 64970    | 54.065   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 108.140% |
| 35) Dibromofluoromethane      | 5.379  | 113   | 46719    | 50.419   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 100.840% |
| 50) Toluene-d8                | 8.647  | 98    | 165616   | 51.207   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 102.420% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 63365    | 53.787   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 107.580% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.971  | 59    | 67       | 0.415    | ug/l # | 72       |
| 16) Acetone                   | 2.380  | 43    | 18055    | 36.589   | ug/l   | 95       |
| 18) Methyl Acetate            | 2.703  | 43    | 2340     | 2.060    | ug/l   | 94       |
| 20) Methylene Chloride        | 2.782  | 84    | 8964     | 9.703    | ug/l   | 96       |
| 25) 2-Butanone                | 4.580  | 43    | 389      | 0.539    | ug/l   | 98       |
| 29) Tetrahydrofuran           | 5.044  | 42    | 219      | 0.468    | ug/l # | 35       |
| 31) Cyclohexane               | 5.538  | 56    | 1950     | 1.323    | ug/l # | 46       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6671     | 5.332    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7648     | 5.656    | ug/l # | 15       |
| 43) Isopropyl Acetate         | 6.348  | 43    | 12732    | 5.328    | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.793  | 41    | 53497    | 43.359   | ug/l # | 49       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 44256    | 27.937   | ug/l # | 51       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75    | 21       | 2.303    | ug/l # | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 17177    | 12.506   | ug/l # | 63       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 1859     | 1.159    | ug/l # | 42       |
| 59) 2-Hexanone                | 9.372  | 43    | 13177    | 11.233   | ug/l # | 28       |
| 74) N-amyl acetate            | 10.780 | 43    | 1411     | 0.692    | ug/l # | 46       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 36552    | 28.144   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 36552    | 95.517   | ug/l # | 1        |

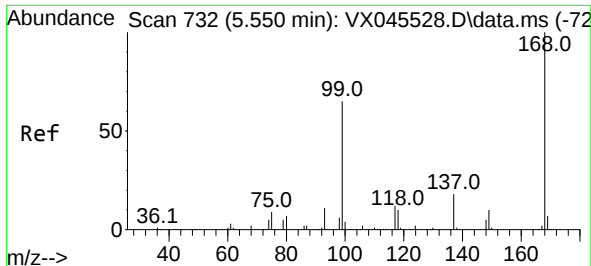
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042225\  
Data File : VX045886.D  
Acq On : 22 Apr 2025 15:40  
Operator : JC/MD  
Sample : PB167661ZHE#07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

Quant Time: Apr 23 01:35:02 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

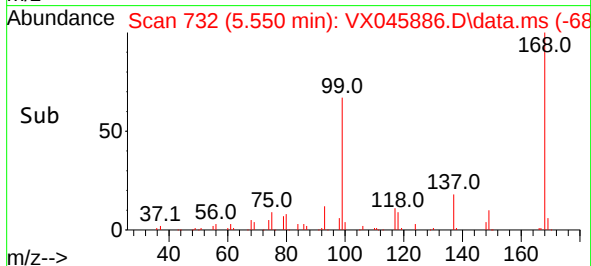
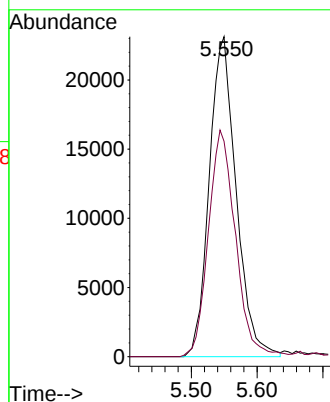
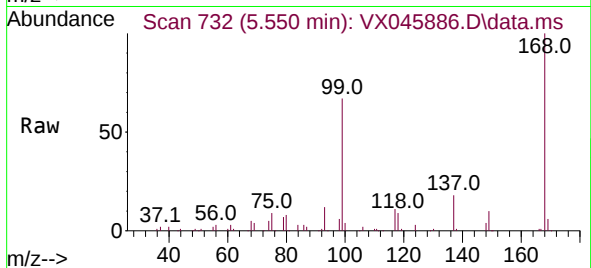




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

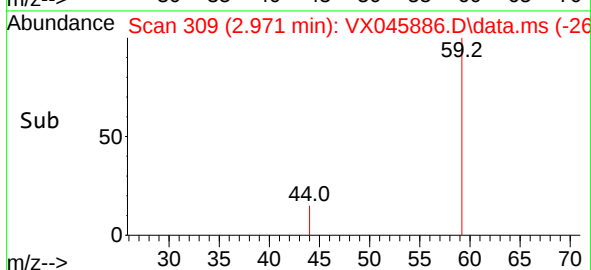
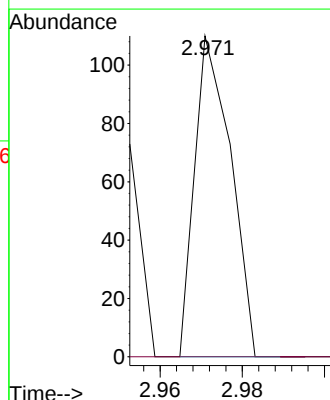
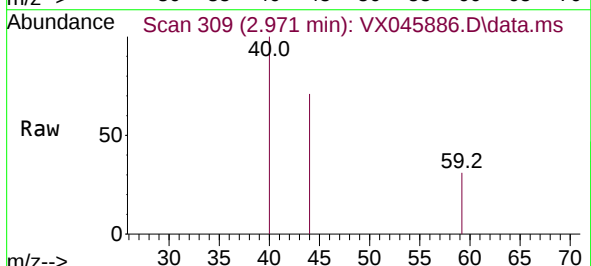
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

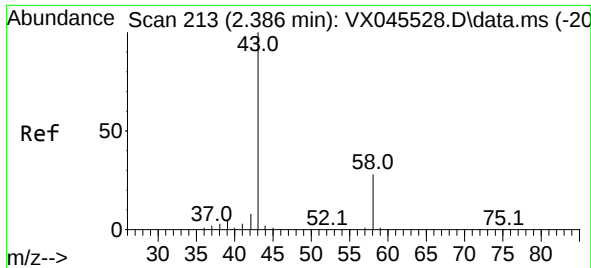
Tgt Ion:168 Resp: 65712  
Ion Ratio Lower Upper  
168 100  
99 67.3 52.3 78.5



#11  
Tert butyl alcohol  
Concen: 0.415 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.006 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Tgt Ion: 59 Resp: 67  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

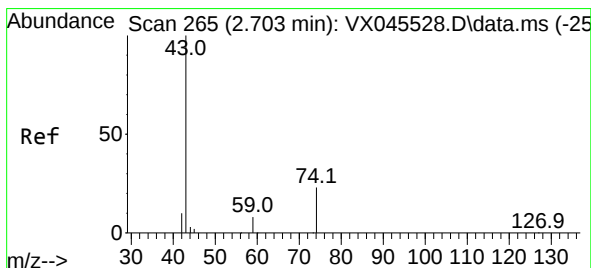
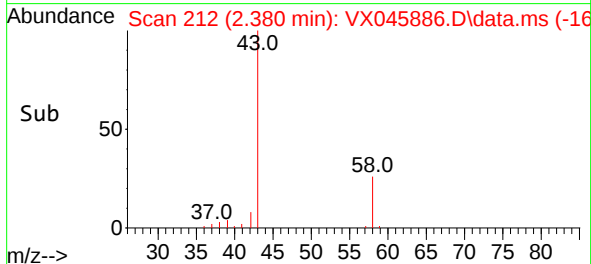
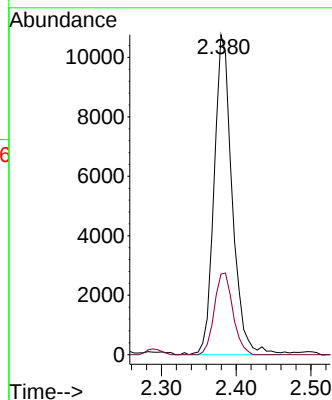
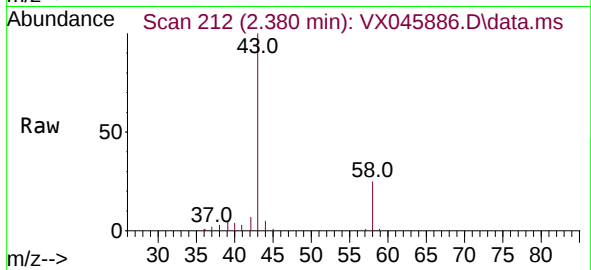




#16  
Acetone  
Concen: 36.589 ug/l  
RT: 2.380 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

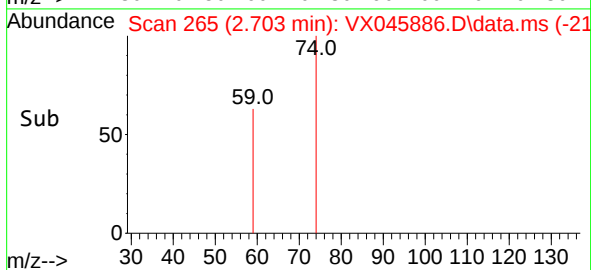
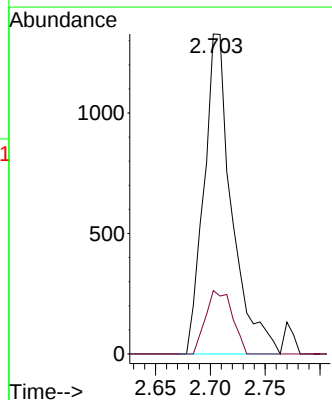
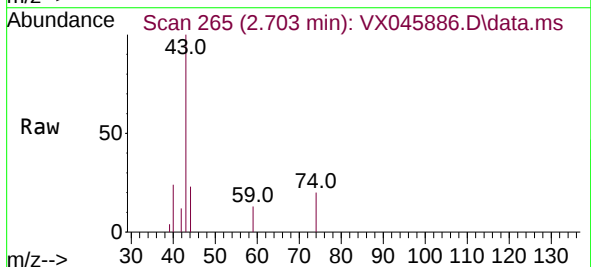
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

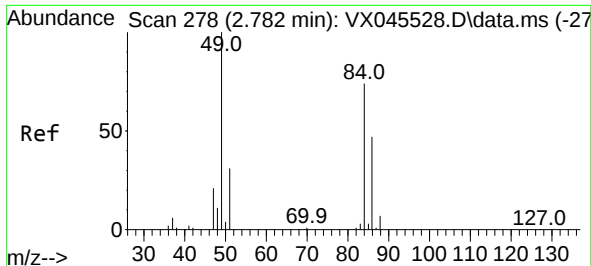
Tgt Ion: 43 Resp: 18055  
Ion Ratio Lower Upper  
43 100  
58 25.2 22.3 33.5



#18  
Methyl Acetate  
Concen: 2.060 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Tgt Ion: 43 Resp: 2340  
Ion Ratio Lower Upper  
43 100  
74 19.0 17.5 26.3

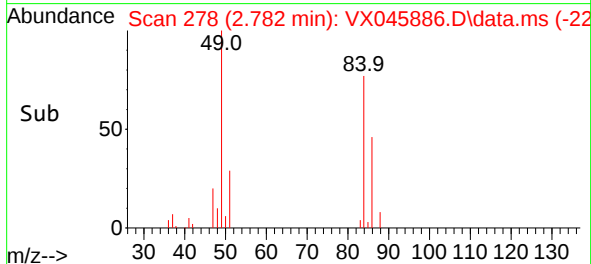
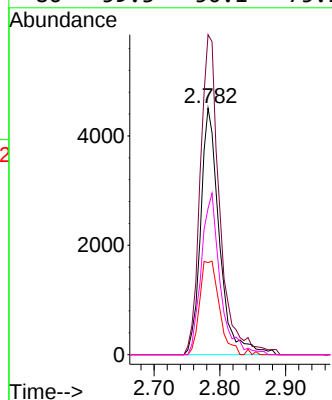
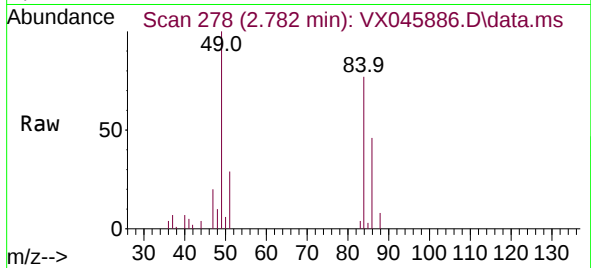




#20  
Methylene Chloride  
Concen: 9.703 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

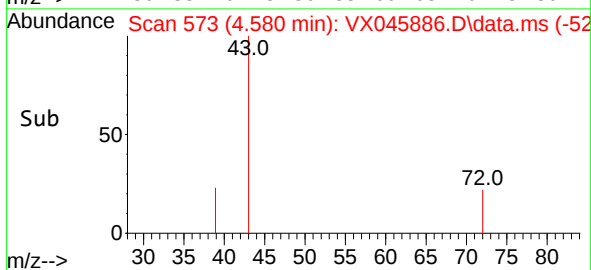
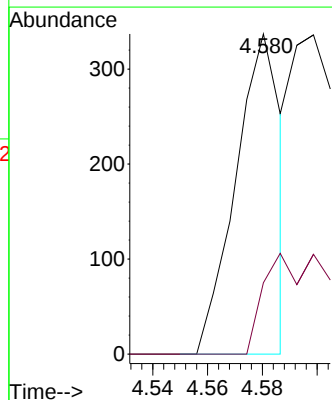
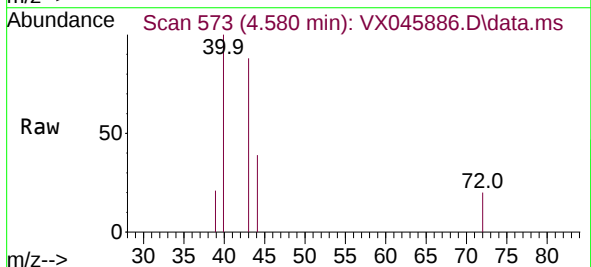
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

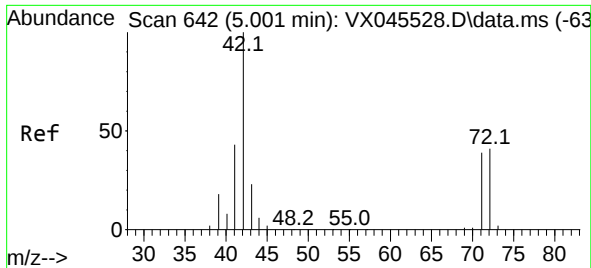
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 8964  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 129.8 | 107.5 | 161.3 |
| 51       | 37.4  | 33.0  | 49.6  |
| 86       | 59.3  | 50.1  | 75.1  |



#25  
2-Butanone  
Concen: 0.539 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.024 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 389   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.3  | 18.6  | 28.0  |





#29

Tetrahydrofuran

Concen: 0.468 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX045886.D

Acq: 22 Apr 2025 15:40

Instrument :

MSVOA\_X

ClientSampleId :

PB167661ZHE#07

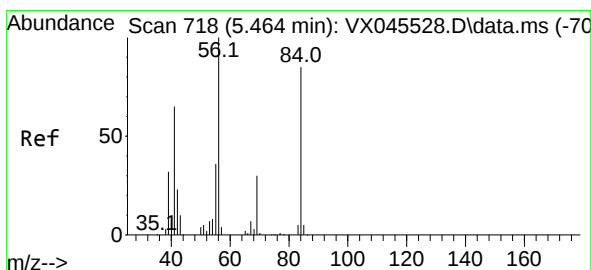
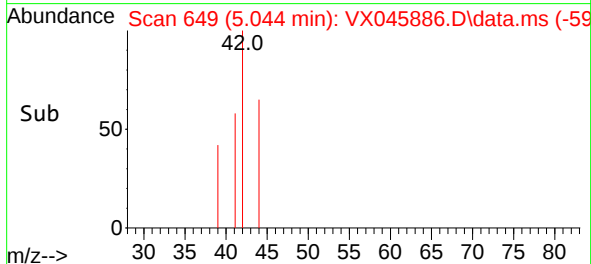
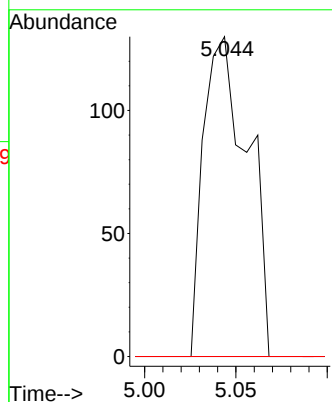
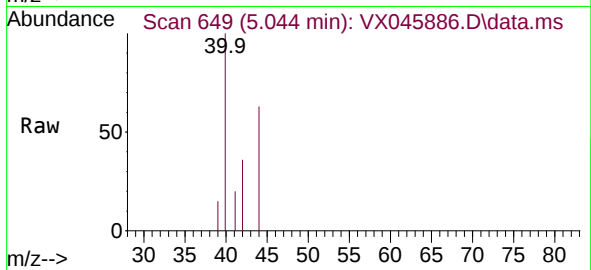
Tgt Ion: 42 Resp: 219

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.323 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045886.D

Acq: 22 Apr 2025 15:40

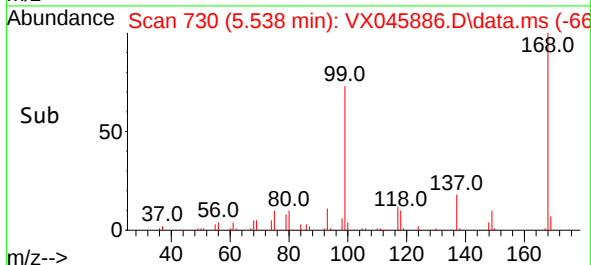
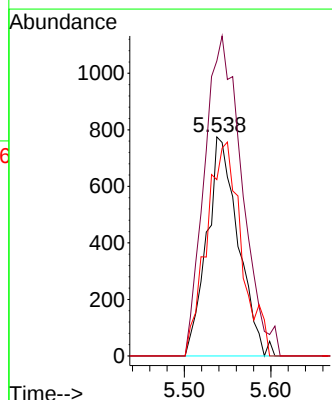
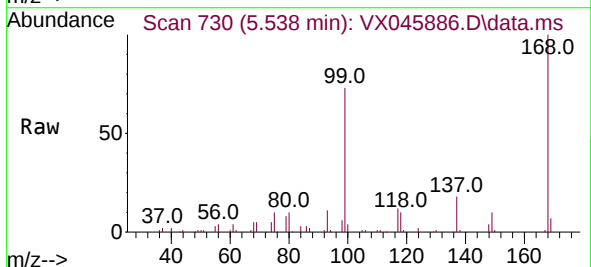
Tgt Ion: 56 Resp: 1950

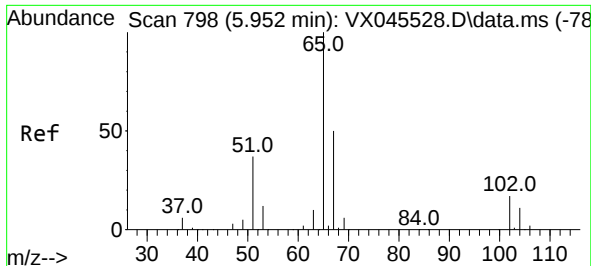
Ion Ratio Lower Upper

56 100

69 134.7 23.6 35.4#

84 80.5 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.065 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045886.D

Acq: 22 Apr 2025 15:40

Instrument :

MSVOA\_X

ClientSampleId :

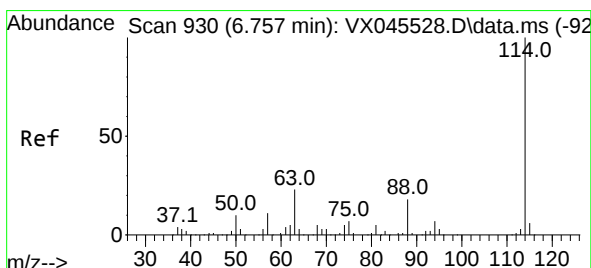
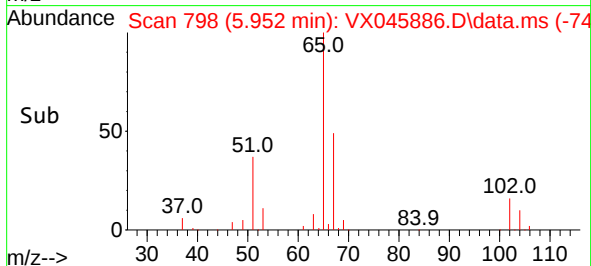
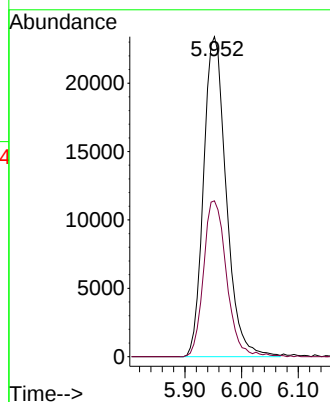
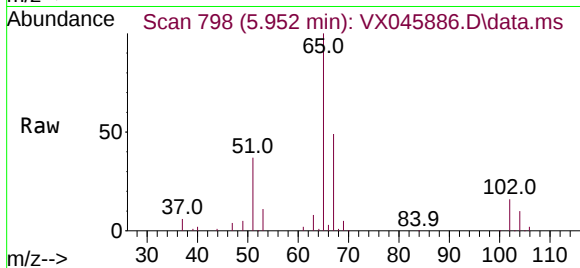
PB167661ZHE#07

Tgt Ion: 65 Resp: 64970

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045886.D

Acq: 22 Apr 2025 15:40

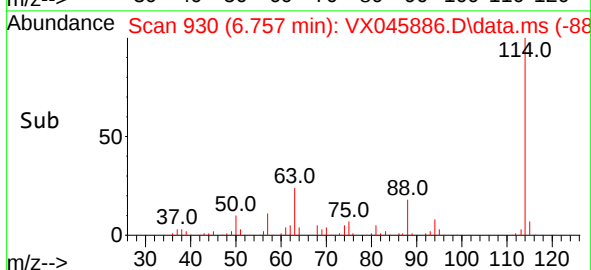
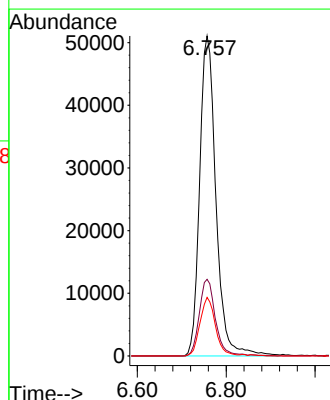
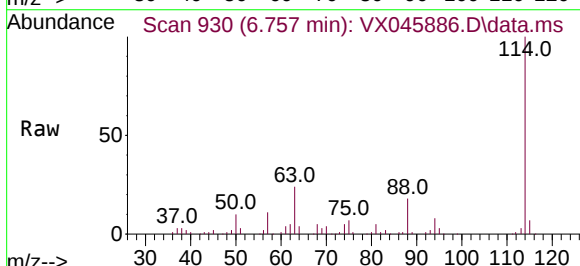
Tgt Ion: 114 Resp: 130601

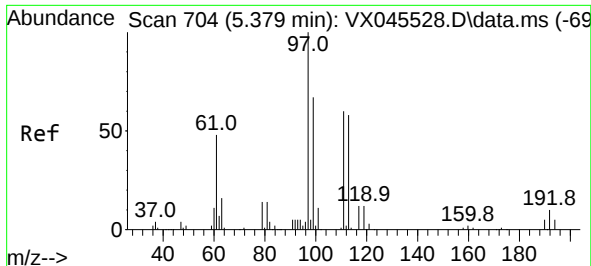
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

88 18.3 0.0 35.4

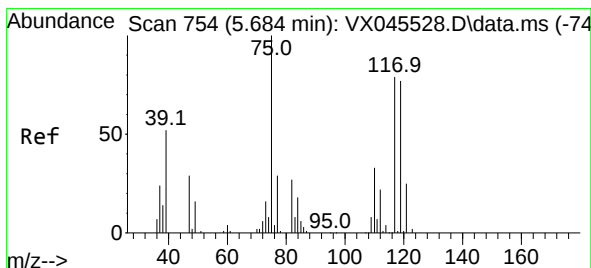
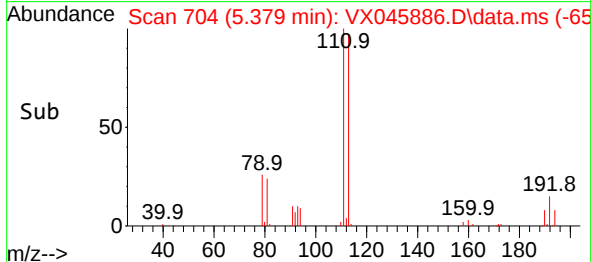
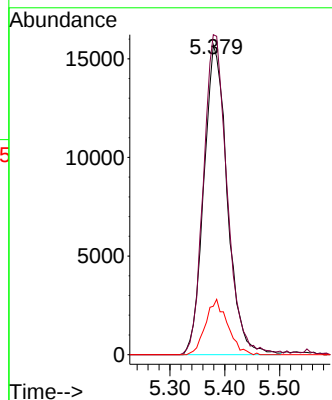
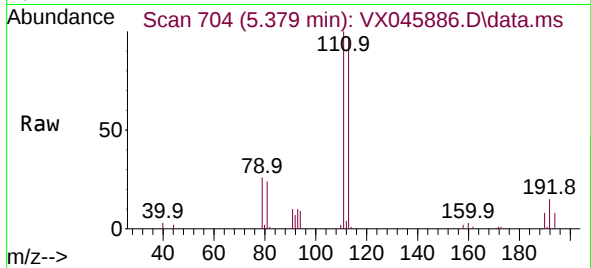




#35  
Dibromofluoromethane  
Concen: 50.419 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

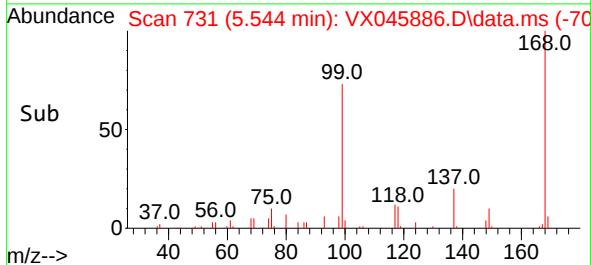
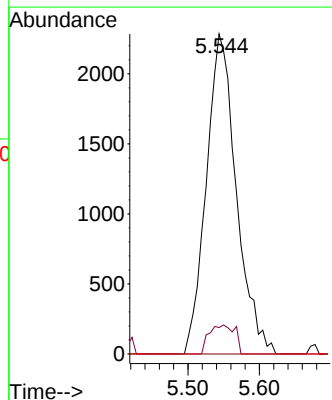
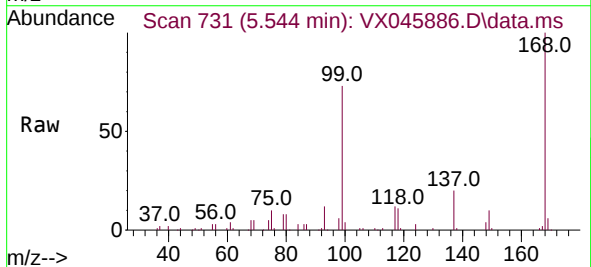
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

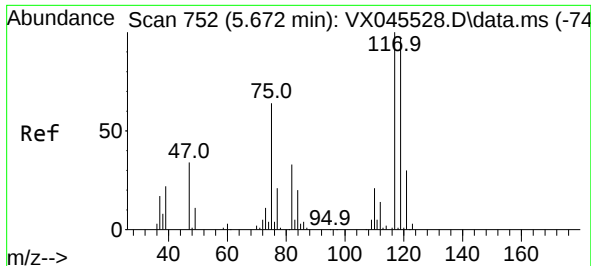
Tgt Ion:113 Resp: 46719  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.8 122.6  
192 16.8 13.8 20.6



#36  
1,1-Dichloropropene  
Concen: 5.332 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.140 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

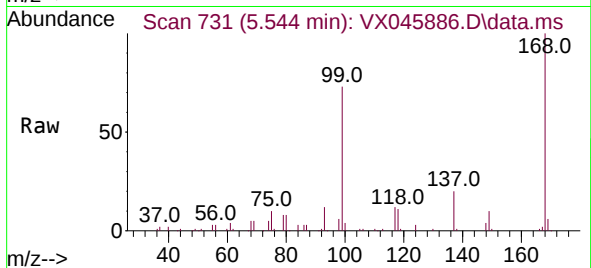
Tgt Ion: 75 Resp: 6671  
Ion Ratio Lower Upper  
75 100  
110 7.8 16.9 50.6#  
77 0.0 25.0 37.4#



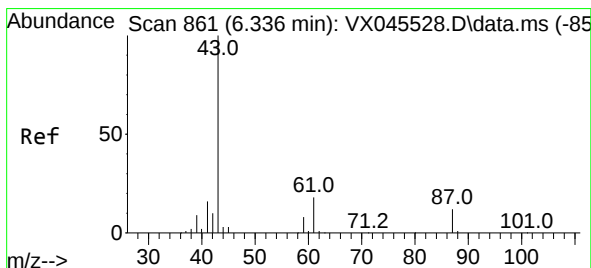
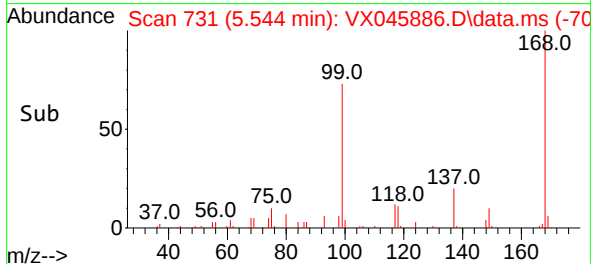
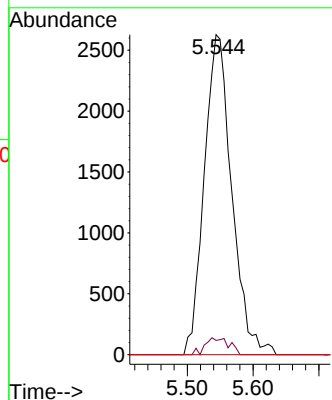


#38  
Carbon Tetrachloride  
Concen: 5.656 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

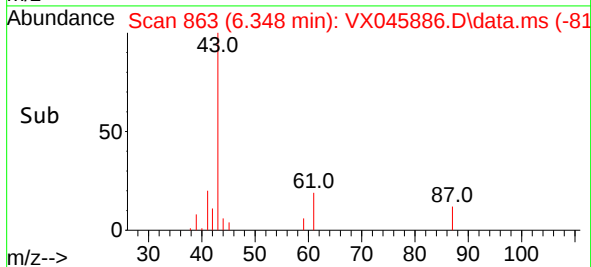
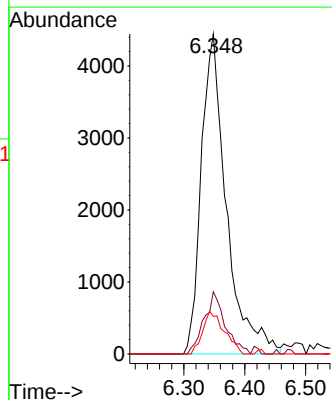
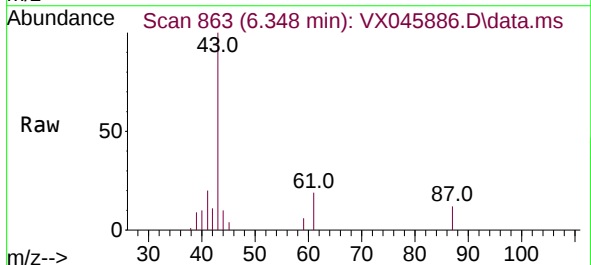


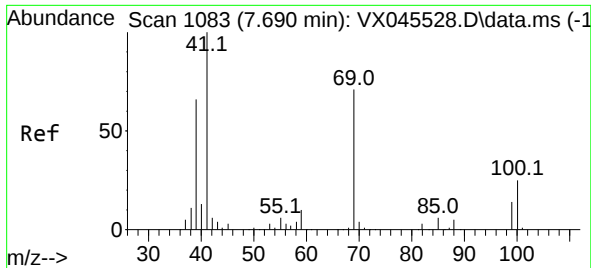
Tgt Ion:117 Resp: 7648  
Ion Ratio Lower Upper  
117 100  
119 4.5 76.9 115.3#  
121 0.0 24.2 36.2#



#43  
Isopropyl Acetate  
Concen: 5.328 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.012 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Tgt Ion: 43 Resp: 12732  
Ion Ratio Lower Upper  
43 100  
61 16.3 14.1 21.1  
87 11.4 9.2 13.8

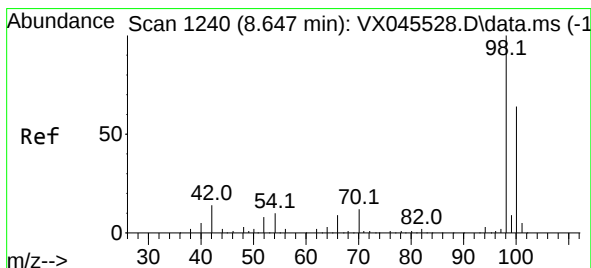
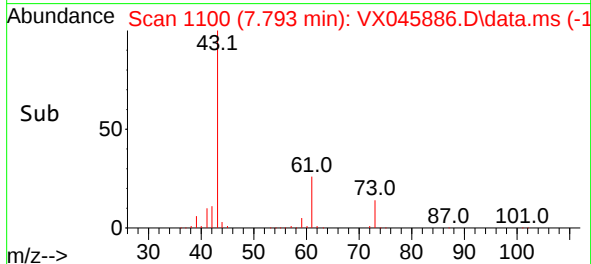
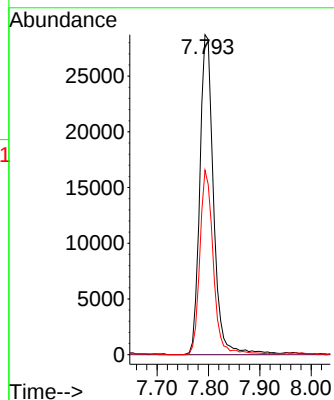
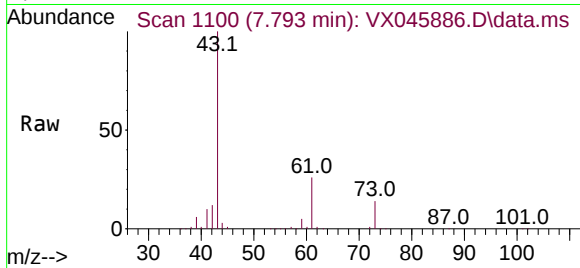




#48  
Methyl methacrylate  
Concen: 43.359 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.104 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

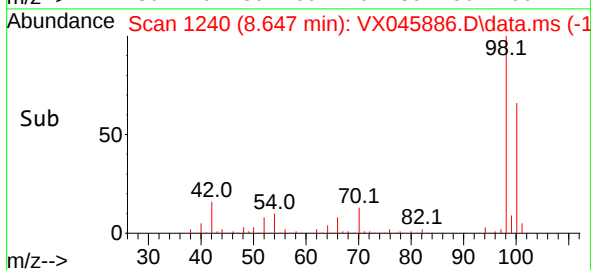
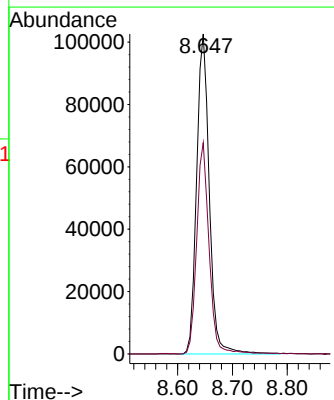
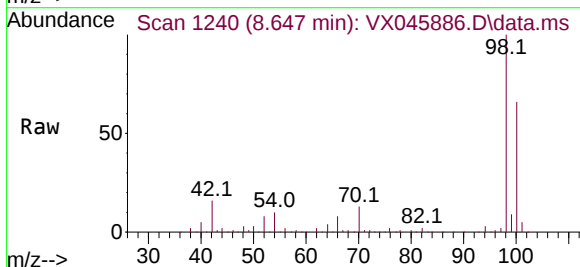
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

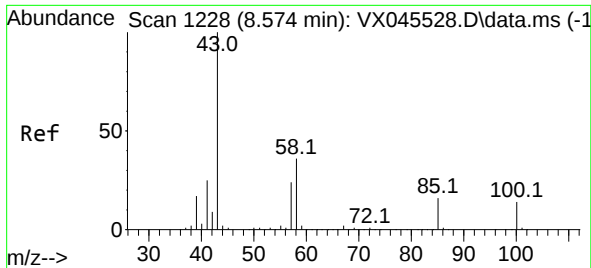
Tgt Ion: 41 Resp: 53497  
Ion Ratio Lower Upper  
41 100  
69 0.0 58.2 87.2#  
39 56.5 53.6 80.4



#50  
Toluene-d8  
Concen: 51.207 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Tgt Ion: 98 Resp: 165616  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.2 78.4

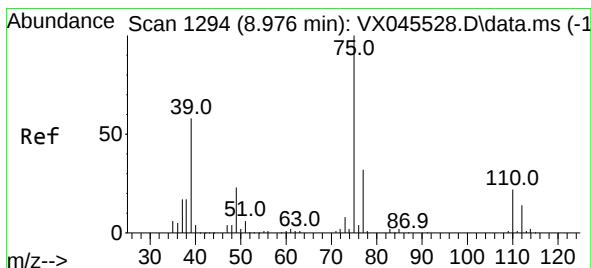
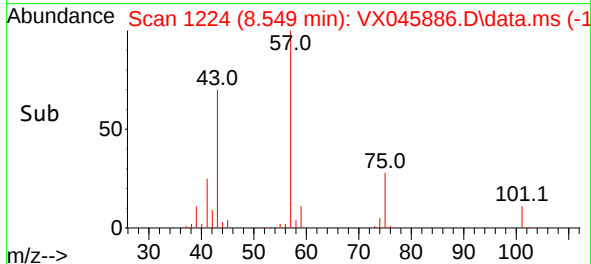
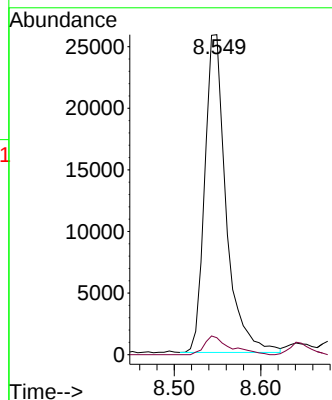
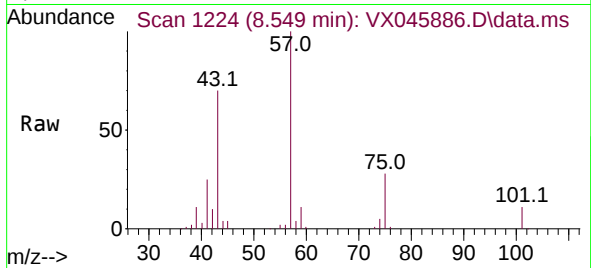




#51  
4-Methyl-2-Pentanone  
Concen: 27.937 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

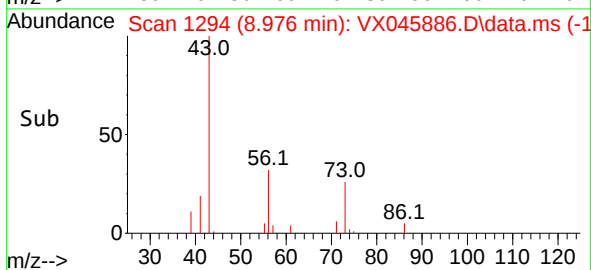
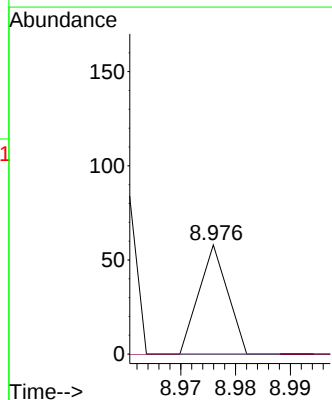
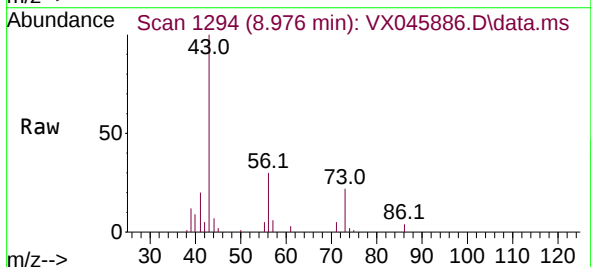
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

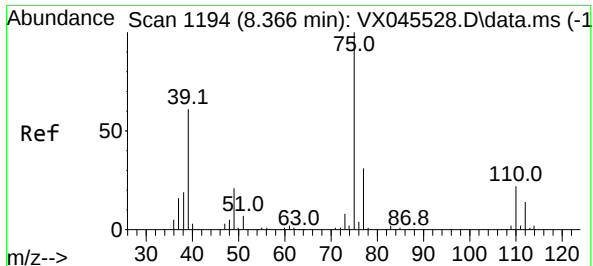
Tgt Ion: 43 Resp: 44256  
Ion Ratio Lower Upper  
43 100  
58 6.9 28.5 42.7#



#53  
t-1,3-Dichloropropene  
Concen: 2.303 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Tgt Ion: 75 Resp: 21  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.4 38.0#

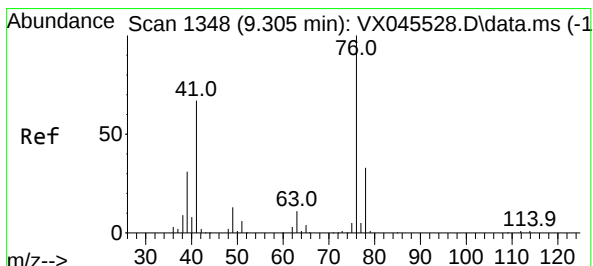
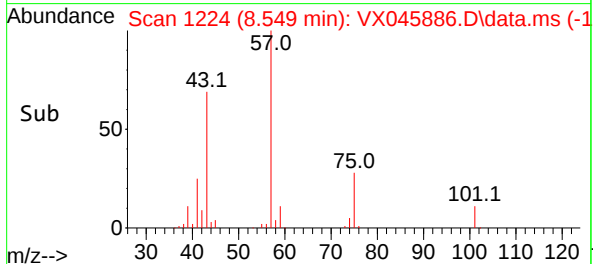
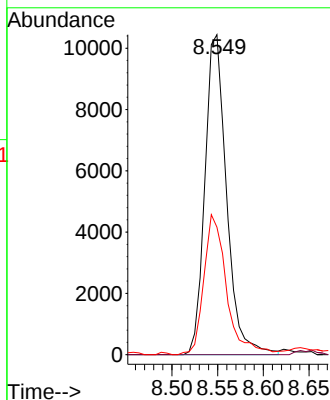
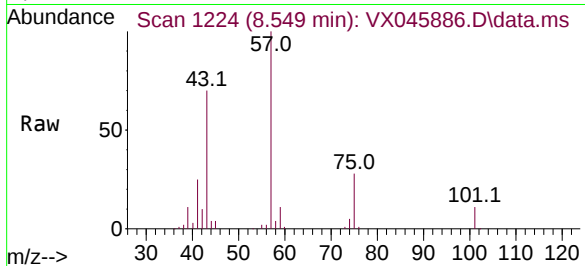




#54  
 cis-1,3-Dichloropropene  
 Concen: 12.506 ug/l  
 RT: 8.549 min Scan# 1194  
 Delta R.T. 0.183 min  
 Lab File: VX045886.D  
 Acq: 22 Apr 2025 15:40

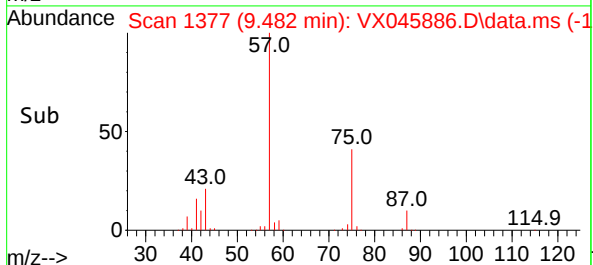
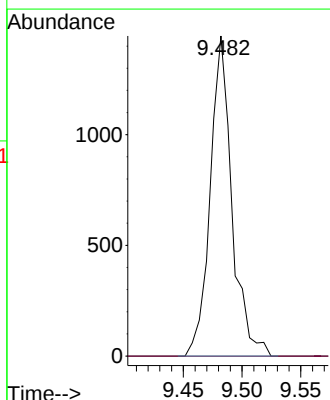
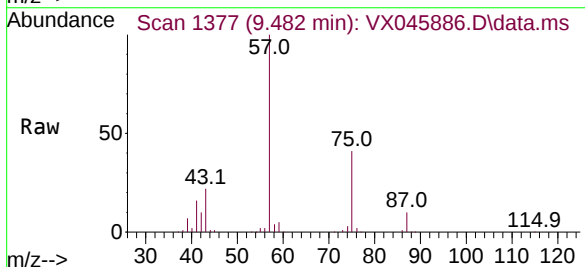
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB167661ZHE#07

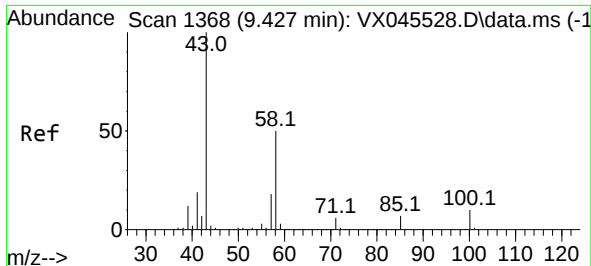
Tgt Ion: 75 Resp: 17177  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.6 36.8#  
 39 39.8 48.4 72.6#



#57  
 1,3-Dichloropropane  
 Concen: 1.159 ug/l  
 RT: 9.482 min Scan# 1377  
 Delta R.T. 0.177 min  
 Lab File: VX045886.D  
 Acq: 22 Apr 2025 15:40

Tgt Ion: 76 Resp: 1859  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.0 39.0#

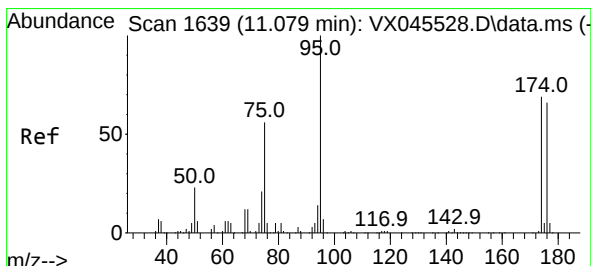
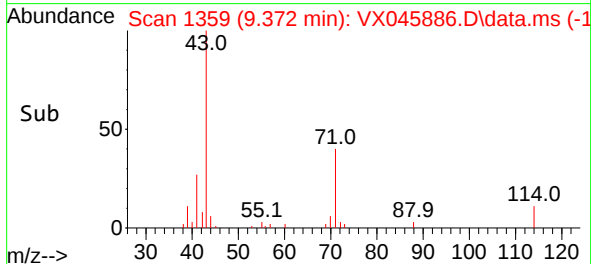
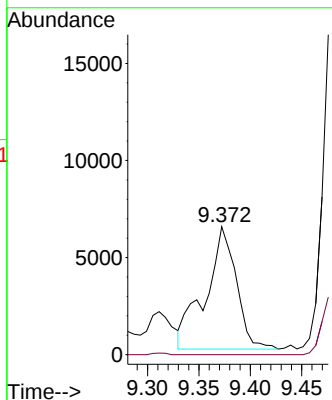
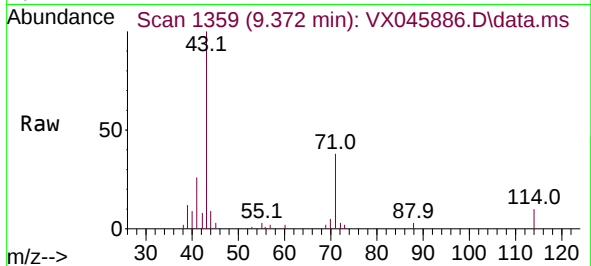




#59  
2-Hexanone  
Concen: 11.233 ug/l  
RT: 9.372 min Scan# 11  
Delta R.T. -0.055 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

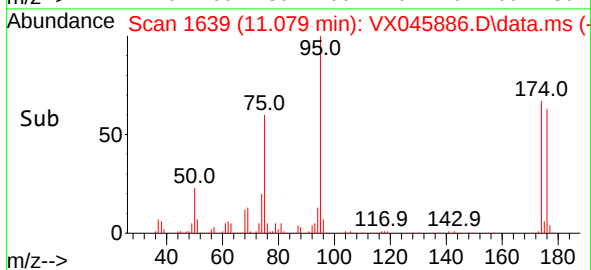
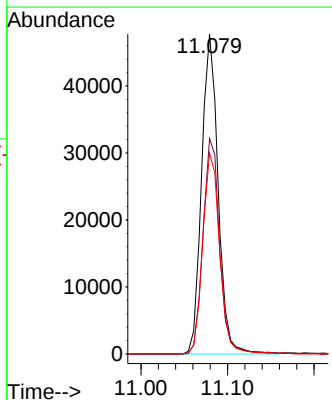
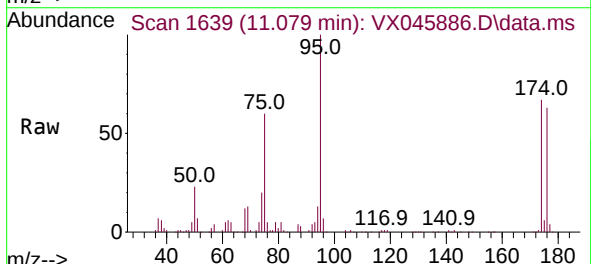
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

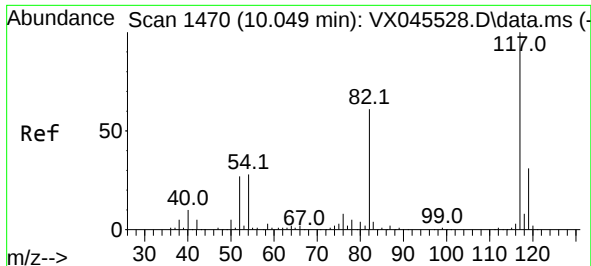
Tgt Ion: 43 Resp: 13177  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.9 74.6#



#62  
4-Bromofluorobenzene  
Concen: 53.787 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Tgt Ion: 95 Resp: 63365  
Ion Ratio Lower Upper  
95 100  
174 67.7 0.0 135.8  
176 64.2 0.0 131.4

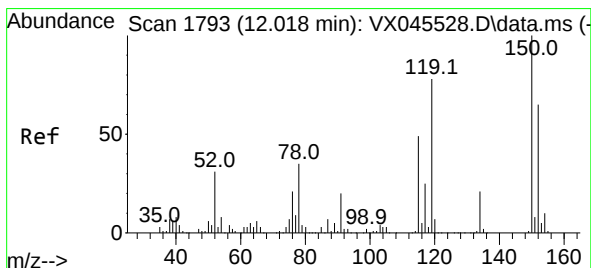
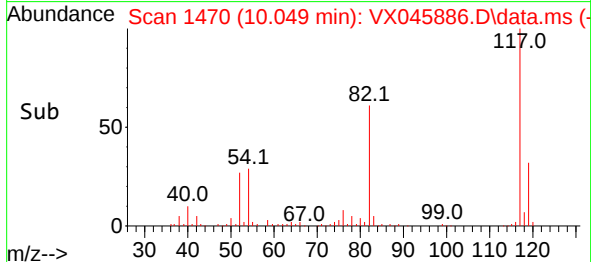
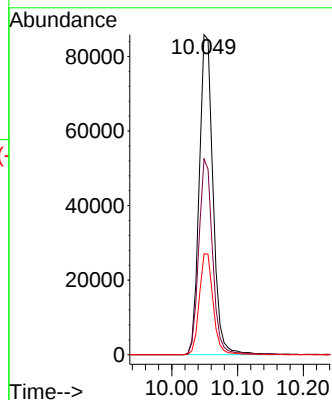
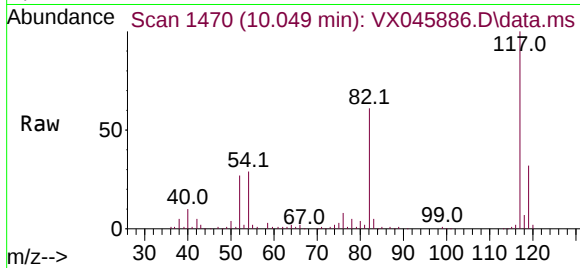




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

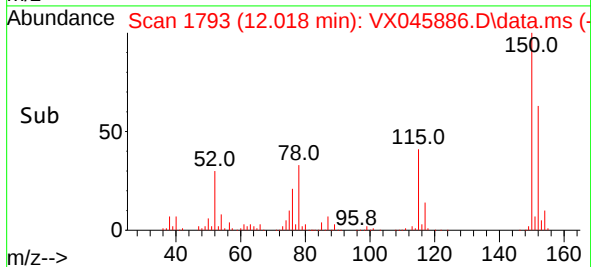
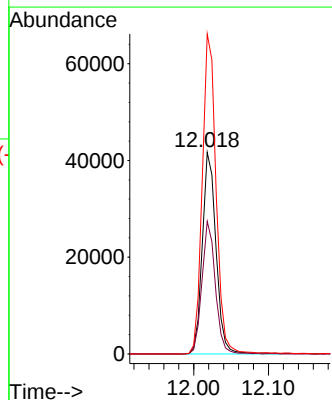
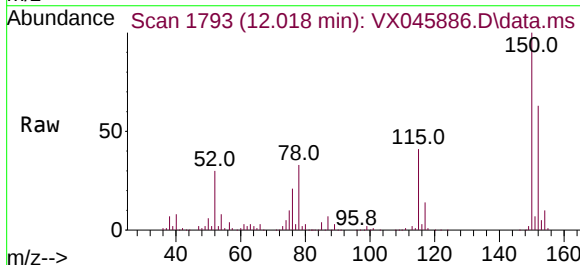
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB167661ZHE#07

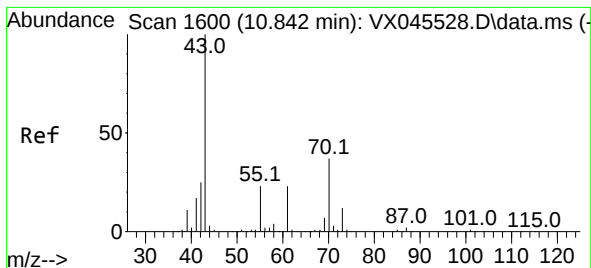
Tgt Ion:117 Resp: 124688  
Ion Ratio Lower Upper  
117 100  
82 61.2 49.2 73.8  
119 31.6 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045886.D  
Acq: 22 Apr 2025 15:40

Tgt Ion:152 Resp: 53244  
Ion Ratio Lower Upper  
152 100  
115 64.1 46.9 140.7  
150 159.1 0.0 349.4





#74

N-amy1 acetate

Concen: 0.692 ug/l

RT: 10.780 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX045886.D

Acq: 22 Apr 2025 15:40

Instrument :

MSVOA\_X

ClientSampleId :

PB167661ZHE#07

Tgt Ion: 43 Resp: 1411

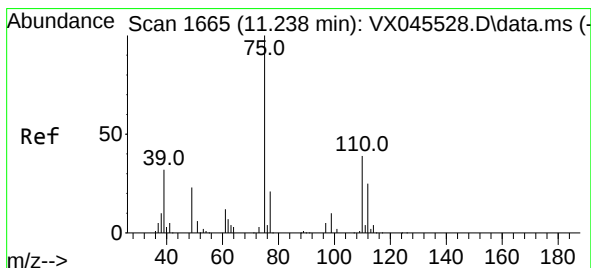
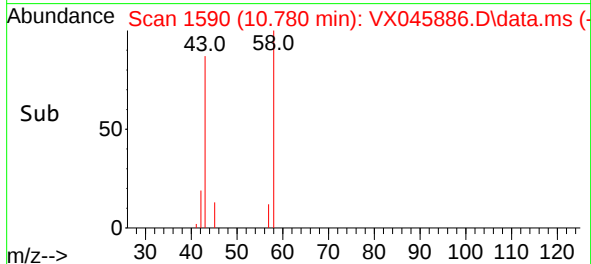
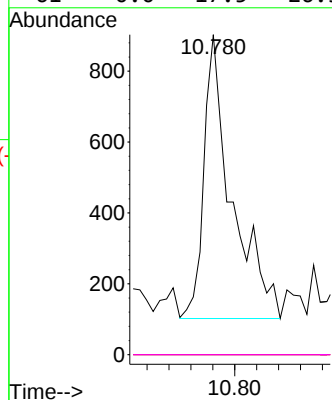
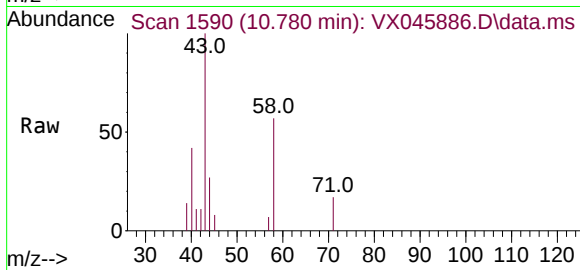
Ion Ratio Lower Upper

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: 28.144 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045886.D

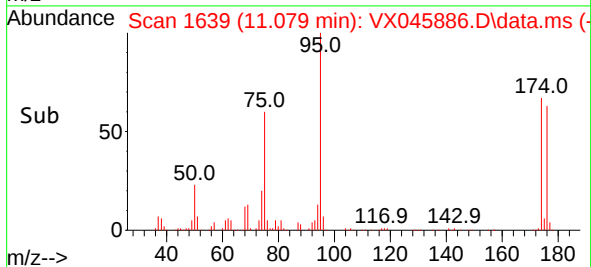
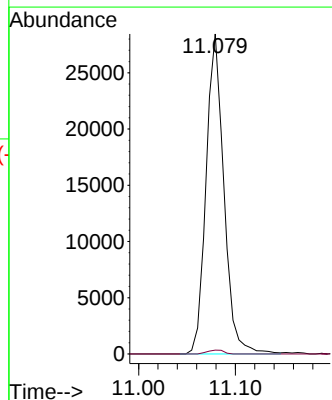
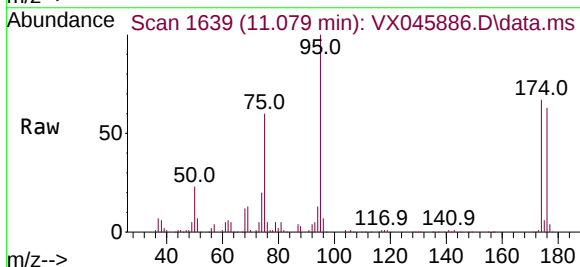
Acq: 22 Apr 2025 15:40

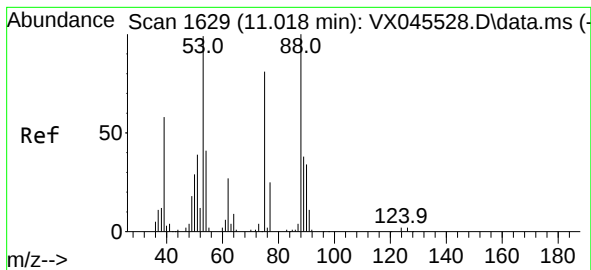
Tgt Ion: 75 Resp: 36552

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 95.517 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045886.D  
 Acq: 22 Apr 2025 15:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB167661ZHE#07

Tgt Ion: 75 Resp: 36552  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 101.8 152.6#  
 89 0.0 37.2 55.8#

