

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041025\  
 Data File : VX045726.D  
 Acq On : 11 Apr 2025 09:00  
 Operator : JC/MD  
 Sample : Q1760-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-17

Quant Time: Apr 11 09:47:28 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

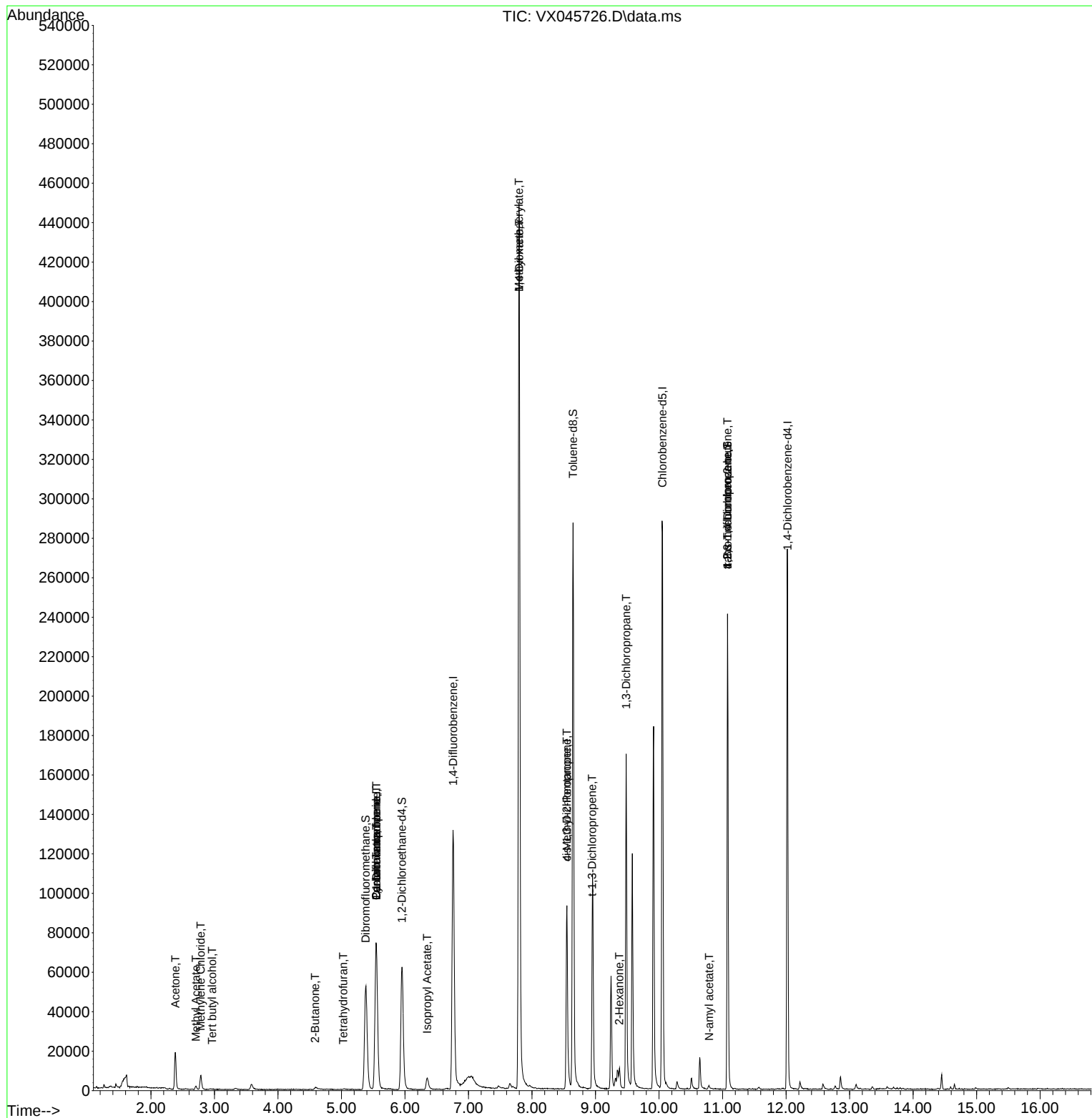
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 65598    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 128963   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 121135   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 50988    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 64526    | 53.789   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 107.580% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 45932    | 50.199   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.400% |          |
| 50) Toluene-d8                | 8.646  | 98    | 162135   | 50.767   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 101.540% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 60730    | 52.205   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 104.400% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.965  | 59    | 175      | 1.085    | ug/l #     | 72       |
| 16) Acetone                   | 2.385  | 43    | 21385    | 43.413   | ug/l       | 98       |
| 18) Methyl Acetate            | 2.709  | 43    | 2292     | 2.021    | ug/l       | 95       |
| 20) Methylene Chloride        | 2.782  | 84    | 3053     | 3.311    | ug/l       | 94       |
| 25) 2-Butanone                | 4.586  | 43    | 2775     | 3.848    | ug/l #     | 89       |
| 29) Tetrahydrofuran           | 5.025  | 42    | 182      | 0.389    | ug/l #     | 35       |
| 31) Cyclohexane               | 5.550  | 56    | 1949     | 1.324    | ug/l #     | 28       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6260     | 5.067    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 7898     | 5.915    | ug/l #     | 15       |
| 43) Isopropyl Acetate         | 6.348  | 43    | 8674     | 3.676    | ug/l       | 96       |
| 48) Methyl methacrylate       | 7.793  | 41    | 45370    | 37.239   | ug/l #     | 50       |
| 49) 1,4-Dioxane               | 7.799  | 88    | 20       | 0.907    | ug/l #     | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 37421    | 23.922   | ug/l #     | 53       |
| 53) t-1,3-Dichloropropene     | 8.945  | 75    | 243      | 2.456    | ug/l #     | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 13802    | 10.177   | ug/l #     | 64       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 1205     | 0.761    | ug/l #     | 42       |
| 59) 2-Hexanone                | 9.372  | 43    | 6731     | 5.811    | ug/l #     | 28       |
| 74) N-amyl acetate            | 10.786 | 43    | 1459     | 0.747    | ug/l #     | 46       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 35854    | 28.828   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 35854    | 97.839   | ug/l #     | 1        |
| -----                         |        |       |          |          |            |          |

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

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Sample : Q1760-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

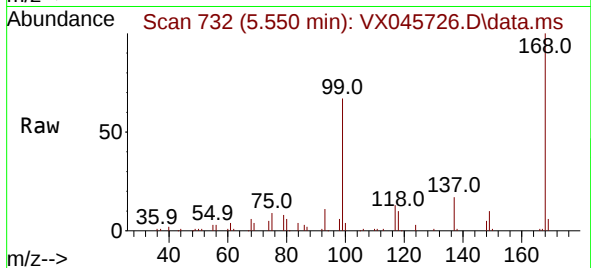
Quant Time: Apr 11 09:47:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
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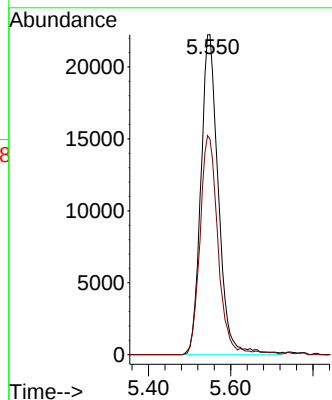
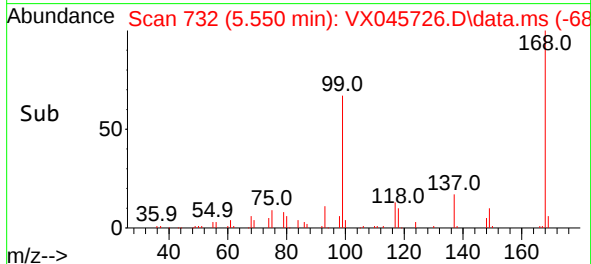


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

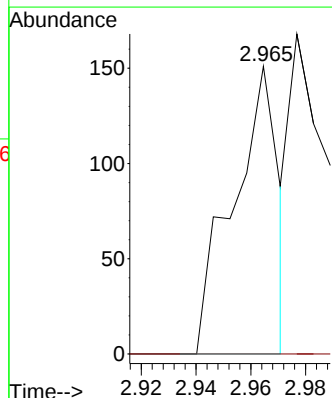
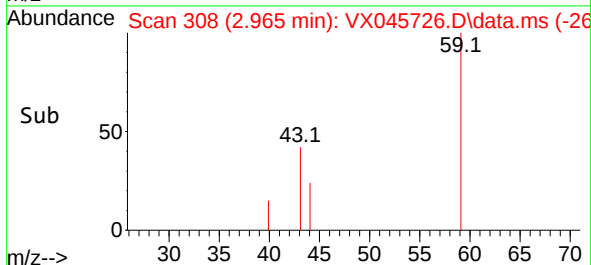
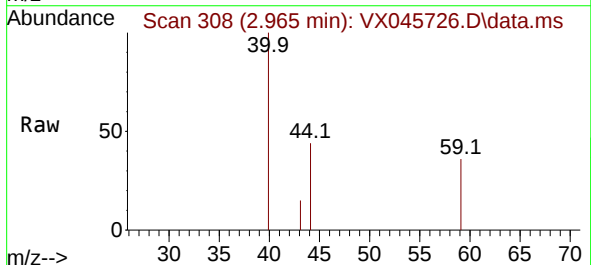


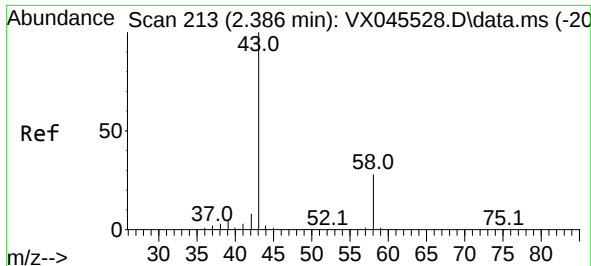
Tgt Ion:168 Resp: 65598  
Ion Ratio Lower Upper  
168 100  
99 67.4 52.3 78.5



#11  
Tert butyl alcohol  
Concen: 1.085 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.012 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Tgt Ion: 59 Resp: 175  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

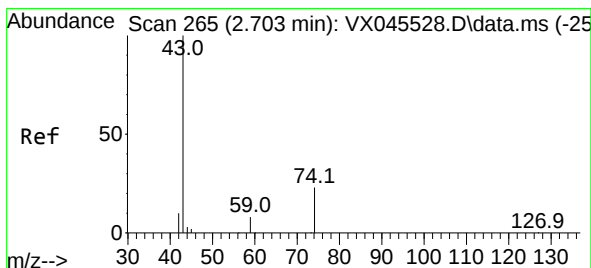
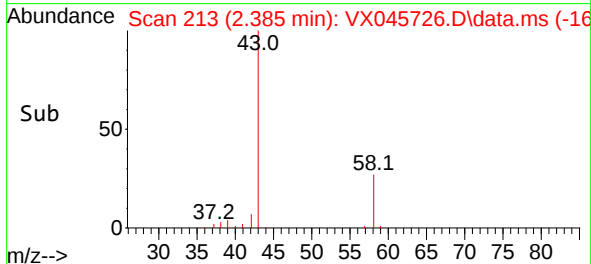
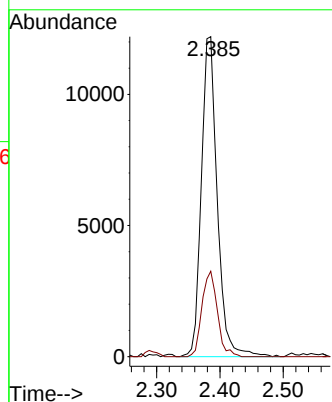
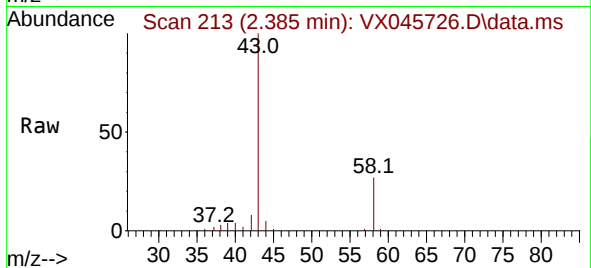




#16  
Acetone  
Concen: 43.413 ug/l  
RT: 2.385 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

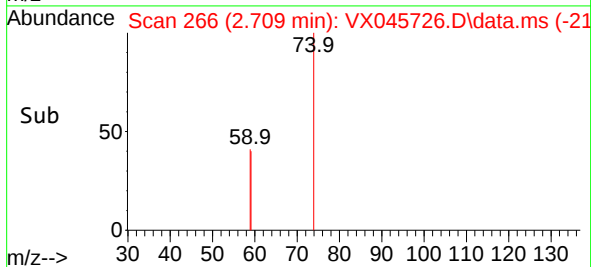
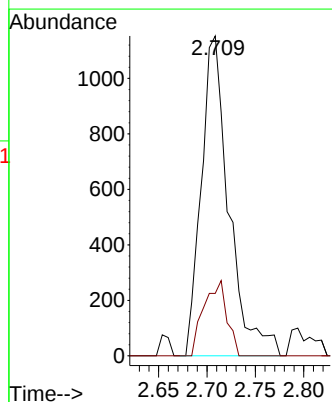
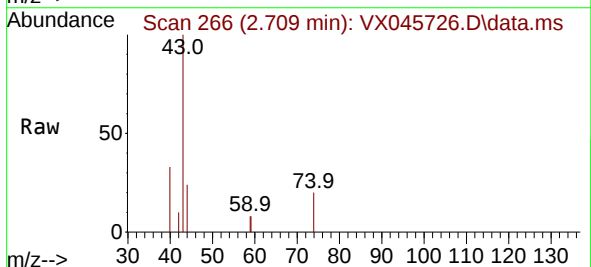
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

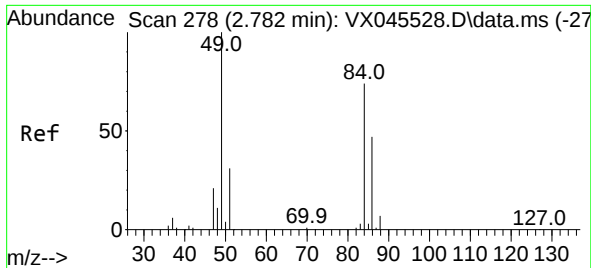
Tgt Ion: 43 Resp: 21385  
Ion Ratio Lower Upper  
43 100  
58 26.7 22.3 33.5



#18  
Methyl Acetate  
Concen: 2.021 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Tgt Ion: 43 Resp: 2292  
Ion Ratio Lower Upper  
43 100  
74 19.6 17.5 26.3

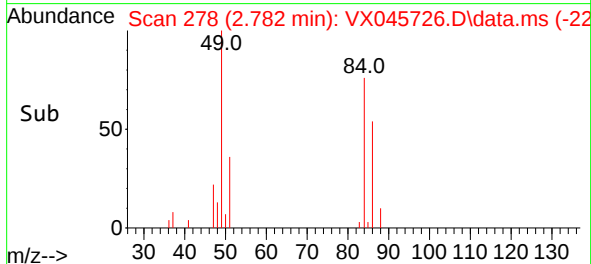
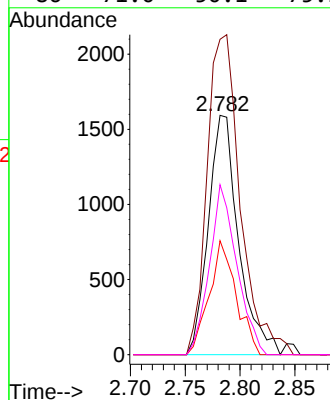
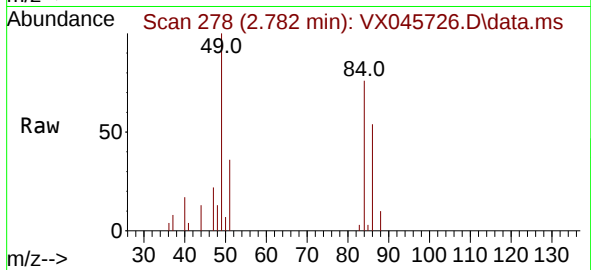




#20  
Methylene Chloride  
Concen: 3.311 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

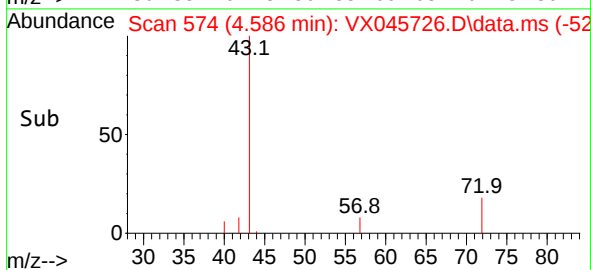
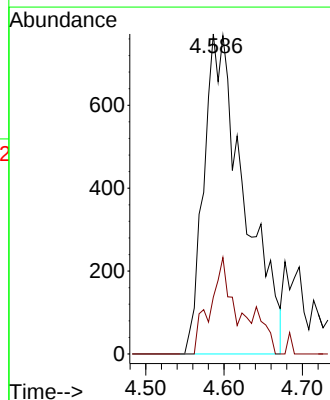
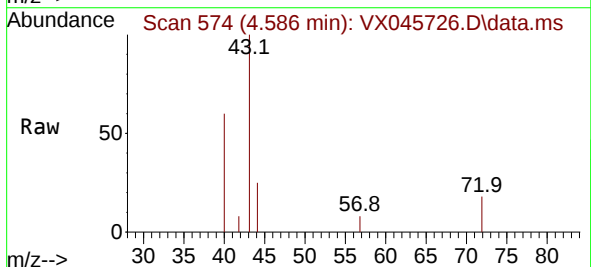
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

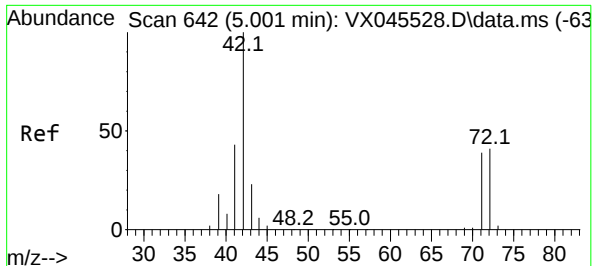
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3053  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.8 | 107.5 | 161.3 |
| 51       | 47.6  | 33.0  | 49.6  |
| 86       | 71.0  | 50.1  | 75.1  |



#25  
2-Butanone  
Concen: 3.848 ug/l  
RT: 4.586 min Scan# 574  
Delta R.T. 0.030 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2775  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 17.7  | 18.6  | 28.0# |





#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX045726.D

Acq: 11 Apr 2025 09:00

Instrument :

MSVOA\_X

ClientSampleId :

TP-17

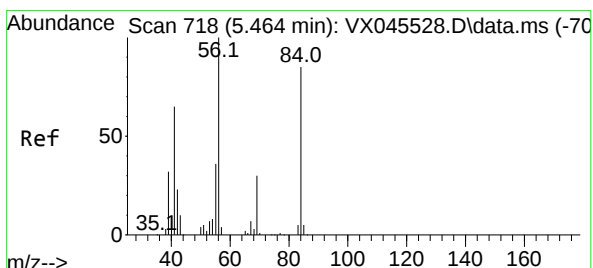
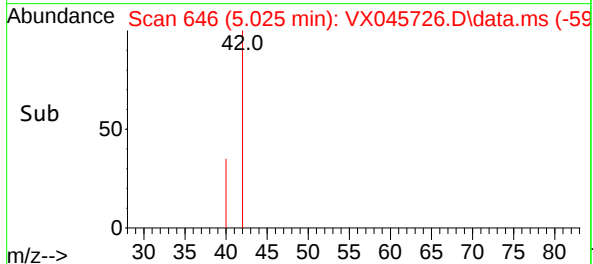
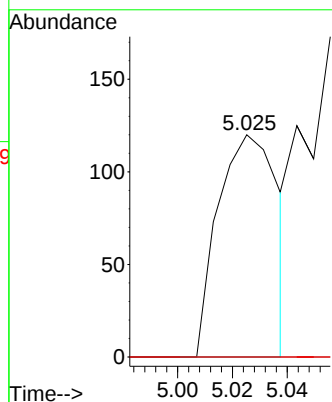
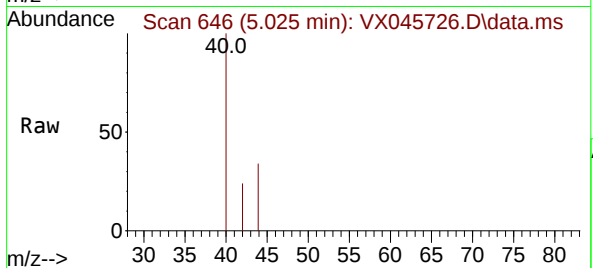
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045726.D

Acq: 11 Apr 2025 09:00

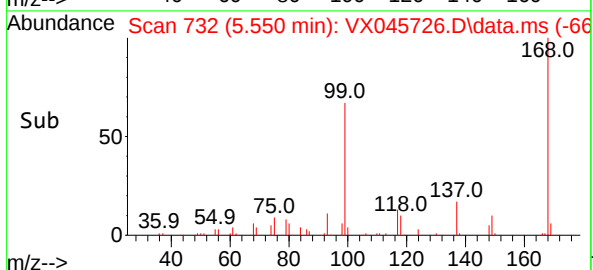
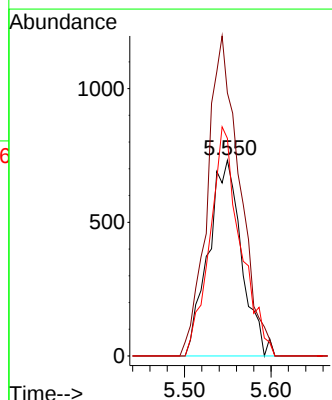
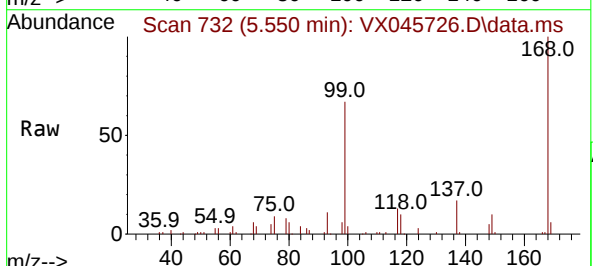
Tgt Ion: 56 Resp: 1949

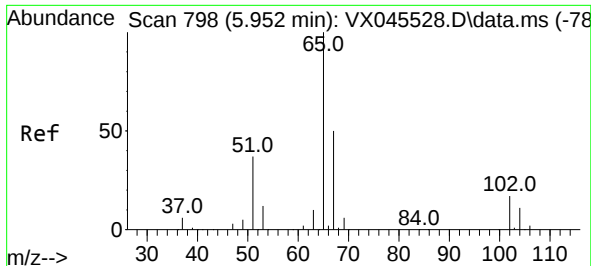
Ion Ratio Lower Upper

56 100

69 134.4 23.6 35.4#

84 111.2 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 53.789 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045726.D

Acq: 11 Apr 2025 09:00

Instrument :

MSVOA\_X

ClientSampleId :

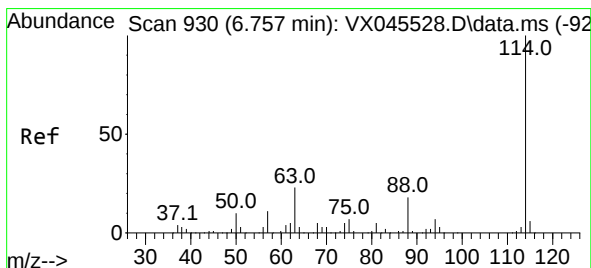
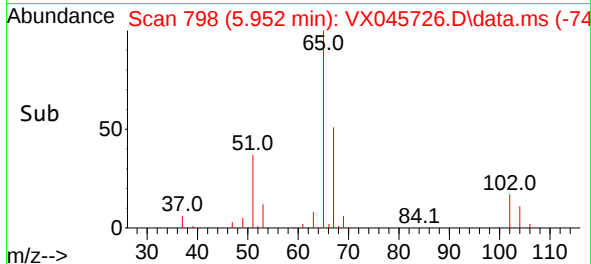
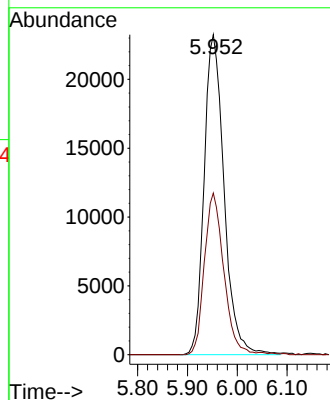
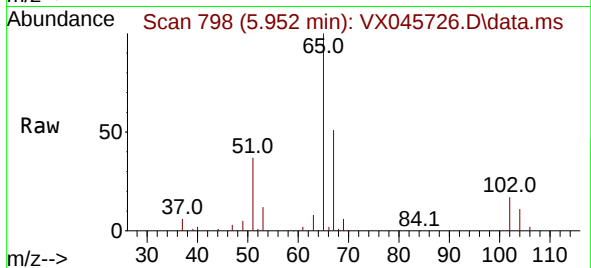
TP-17

Tgt Ion: 65 Resp: 64526

Ion Ratio Lower Upper

65 100

67 49.0 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: VX045726.D

Acq: 11 Apr 2025 09:00

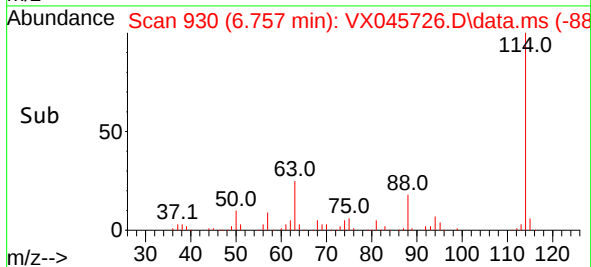
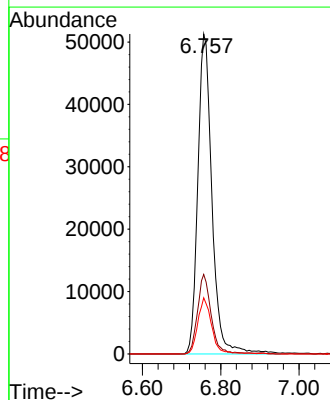
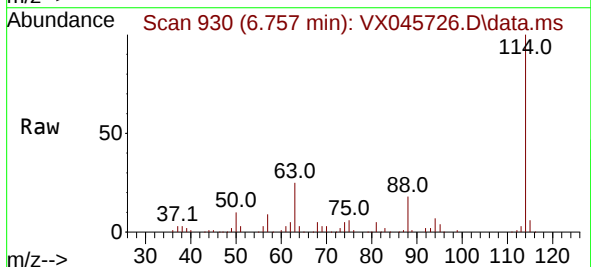
Tgt Ion: 114 Resp: 128963

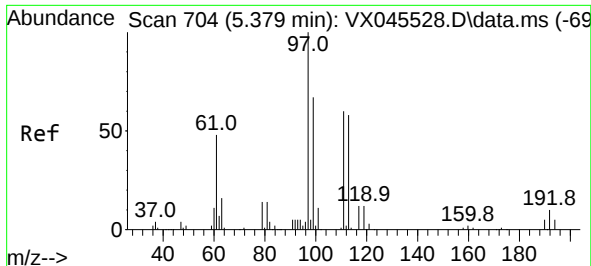
Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.8

88 17.6 0.0 35.4

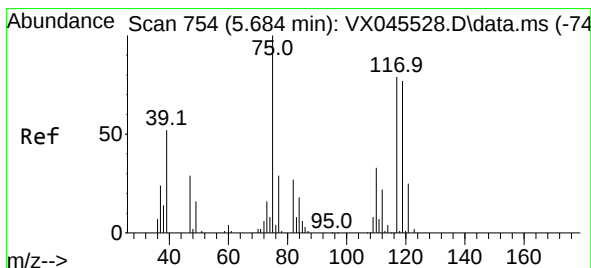
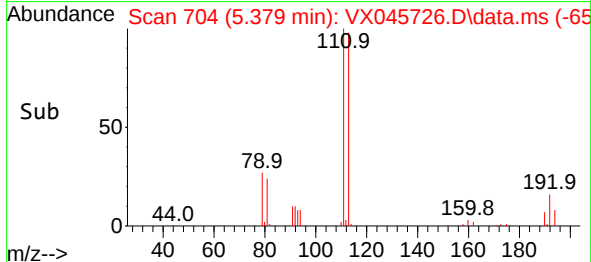
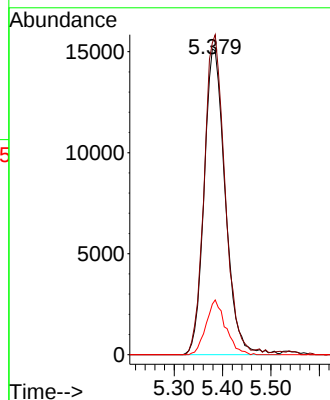
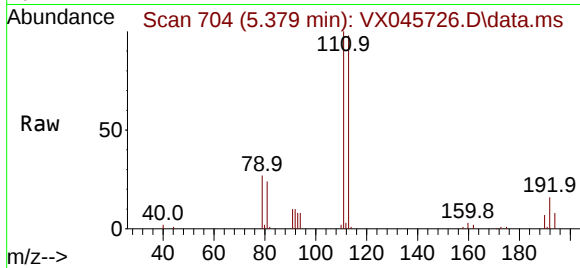




#35  
 Dibromofluoromethane  
 Concen: 50.199 ug/l  
 RT: 5.379 min Scan# 704  
 Delta R.T. -0.000 min  
 Lab File: VX045726.D  
 Acq: 11 Apr 2025 09:00

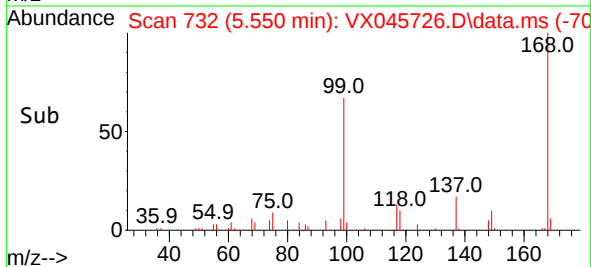
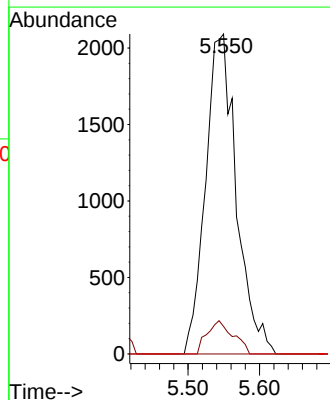
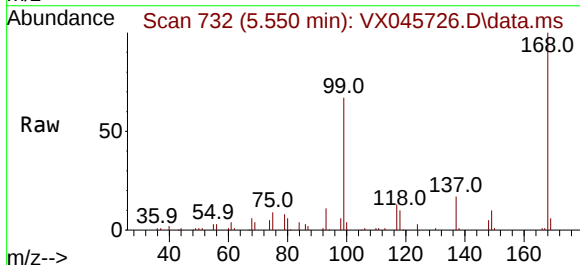
Instrument :  
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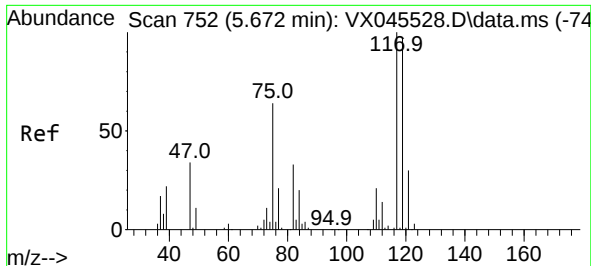
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 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.8 122.6  
 192 16.7 13.8 20.6



#36  
 1,1-Dichloropropene  
 Concen: 5.067 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.134 min  
 Lab File: VX045726.D  
 Acq: 11 Apr 2025 09:00

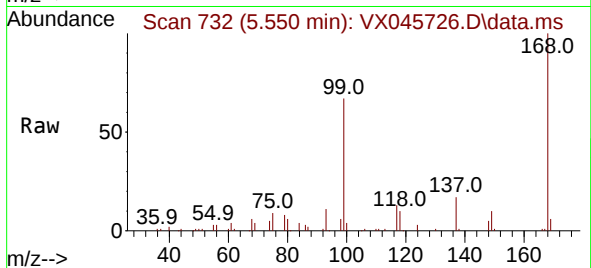
Tgt Ion: 75 Resp: 6260  
 Ion Ratio Lower Upper  
 75 100  
 110 8.8 16.9 50.6#  
 77 0.0 25.0 37.4#



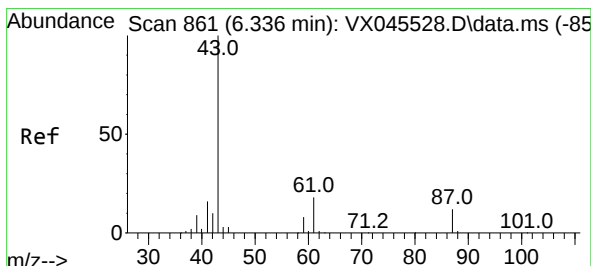
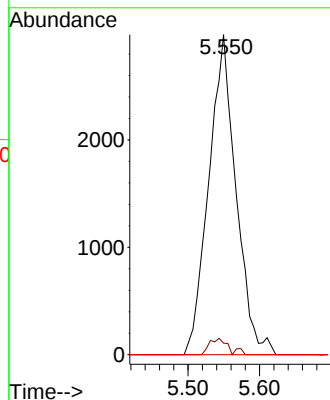
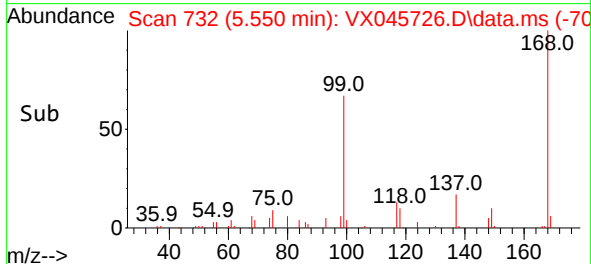


#38  
Carbon Tetrachloride  
Concen: 5.915 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Instrument :  
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ClientSampleId :  
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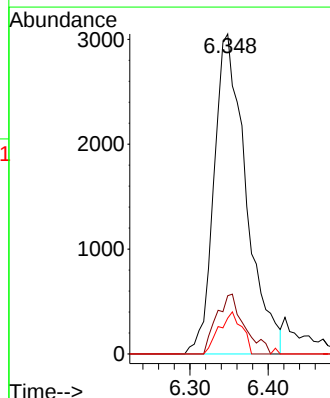
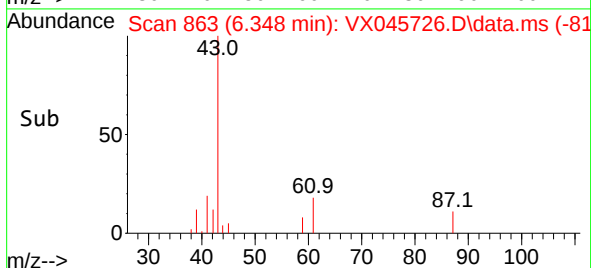
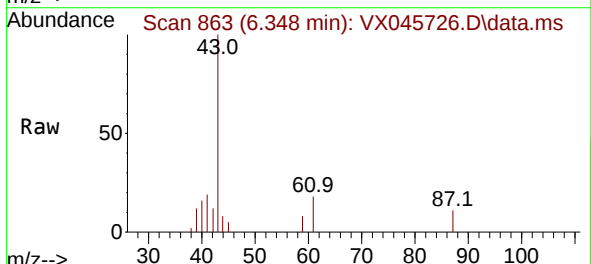


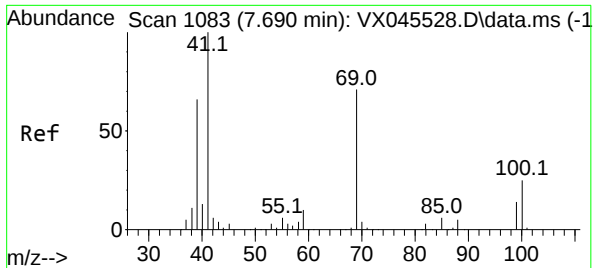
Tgt Ion:117 Resp: 7898  
Ion Ratio Lower Upper  
117 100  
119 3.6 76.9 115.3#  
121 0.0 24.2 36.2#



#43  
Isopropyl Acetate  
Concen: 3.676 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.012 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Tgt Ion: 43 Resp: 8674  
Ion Ratio Lower Upper  
43 100  
61 16.1 14.1 21.1  
87 9.3 9.2 13.8

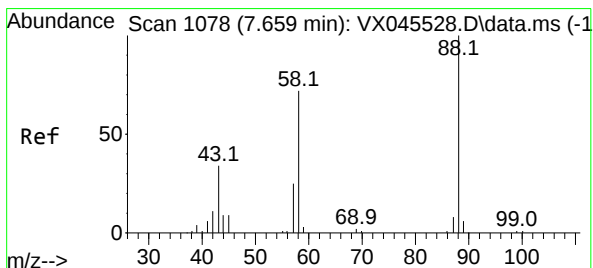
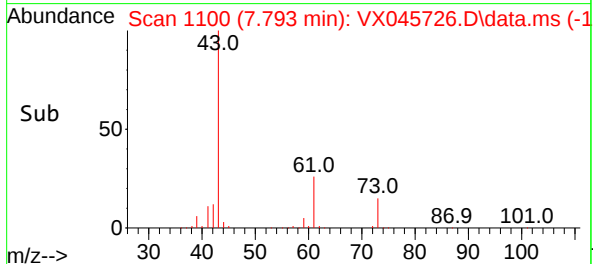
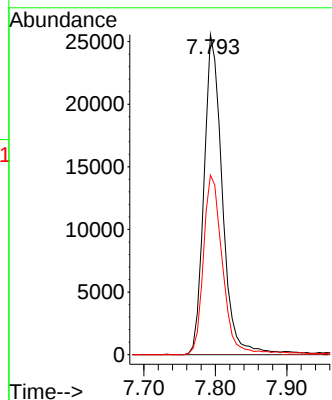
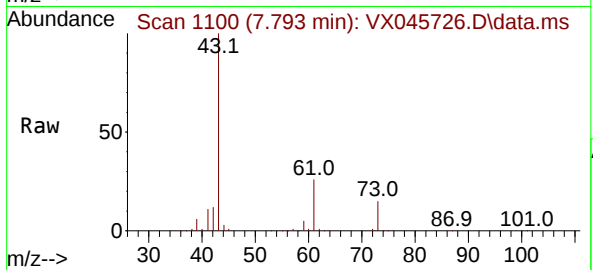




#48  
Methyl methacrylate  
Concen: 37.239 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.103 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

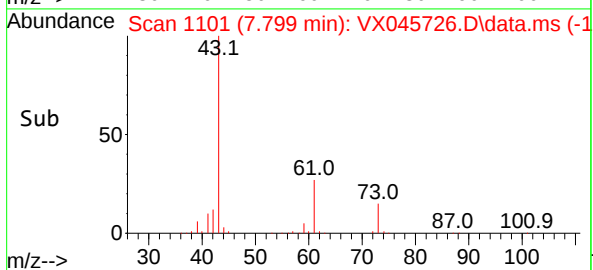
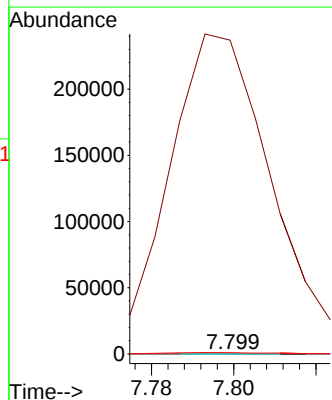
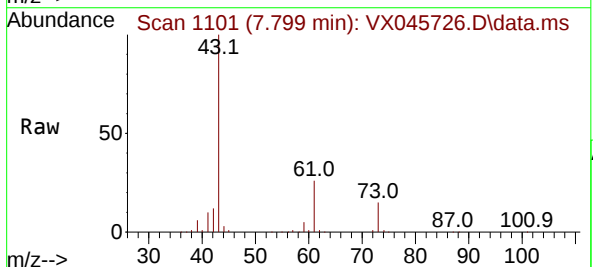
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

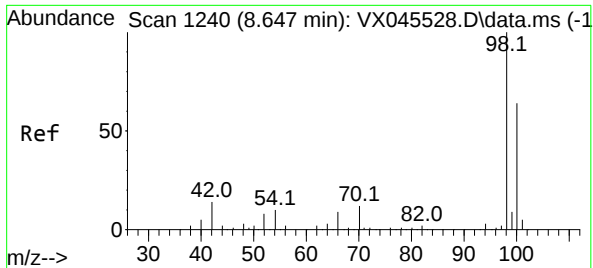
Tgt Ion: 41 Resp: 45370  
Ion Ratio Lower Upper  
41 100  
69 0.0 58.2 87.2#  
39 59.0 53.6 80.4



#49  
1,4-Dioxane  
Concen: 0.907 ug/l  
RT: 7.799 min Scan# 1101  
Delta R.T. 0.140 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Tgt Ion: 88 Resp: 20  
Ion Ratio Lower Upper  
88 100  
43 2194895.0 32.2 48.4#  
58 10610.0 58.6 88.0#

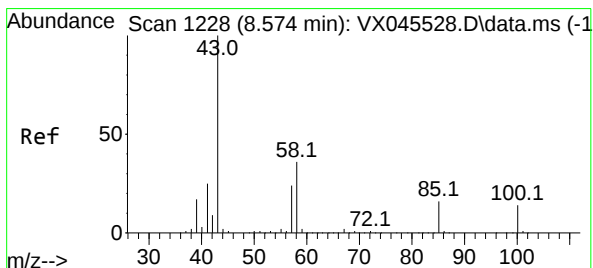
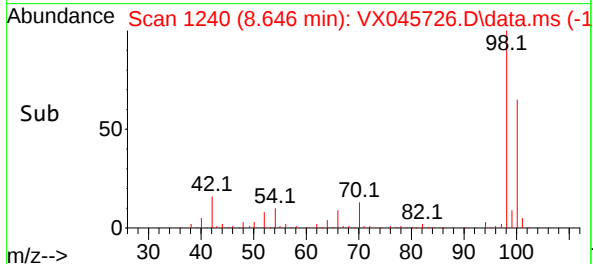
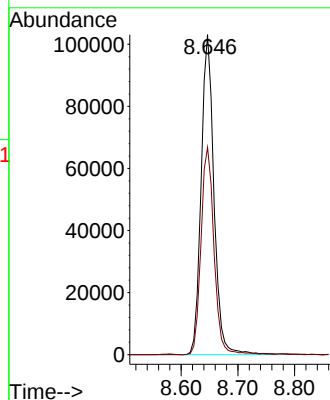
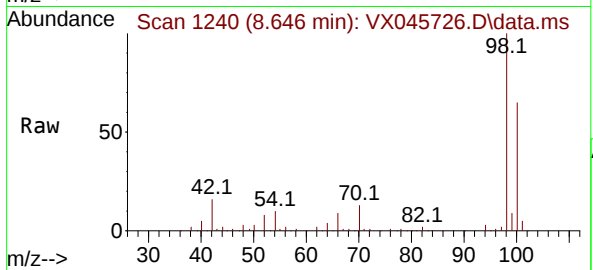




#50  
Toluene-d8  
Concen: 50.767 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

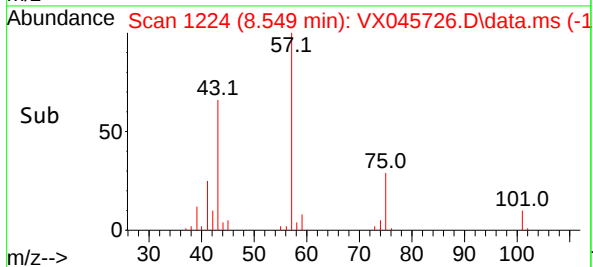
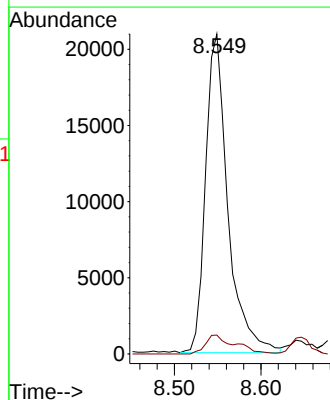
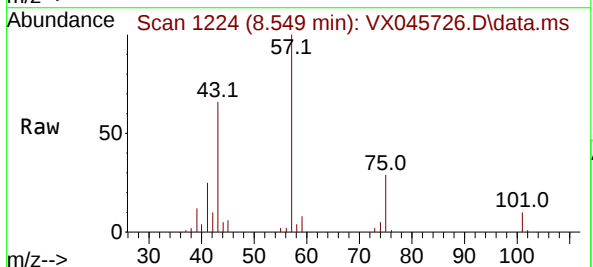
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

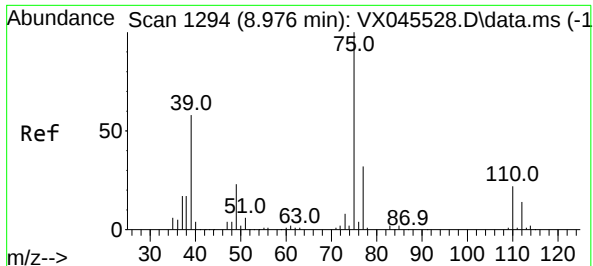
Tgt Ion: 98 Resp: 162135  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.2 78.4



#51  
4-Methyl-2-Pentanone  
Concen: 23.922 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.025 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Tgt Ion: 43 Resp: 37421  
Ion Ratio Lower Upper  
43 100  
58 7.9 28.5 42.7#

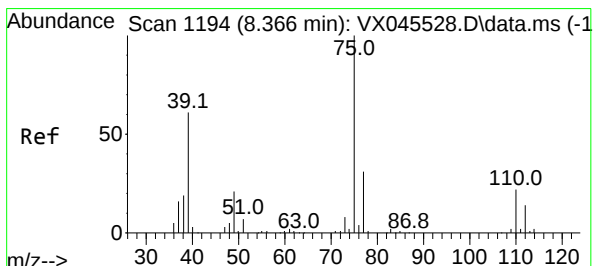
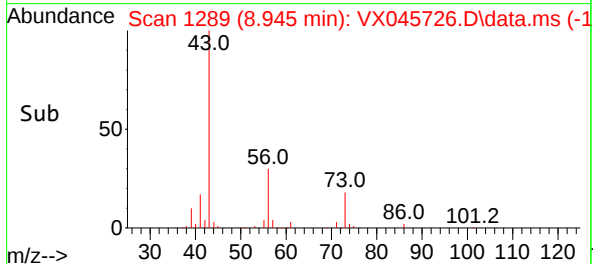
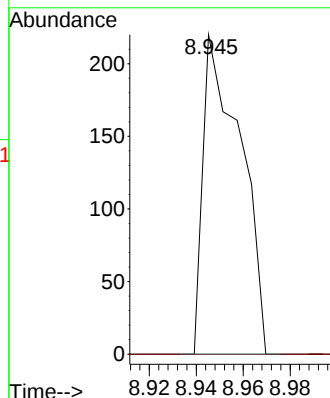
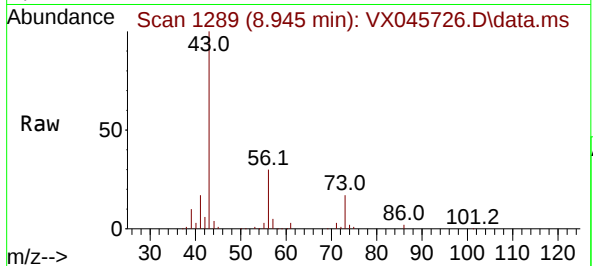




#53  
 t-1,3-Dichloropropene  
 Concen: 2.456 ug/l  
 RT: 8.945 min Scan# 1124  
 Delta R.T. -0.031 min  
 Lab File: VX045726.D  
 Acq: 11 Apr 2025 09:00

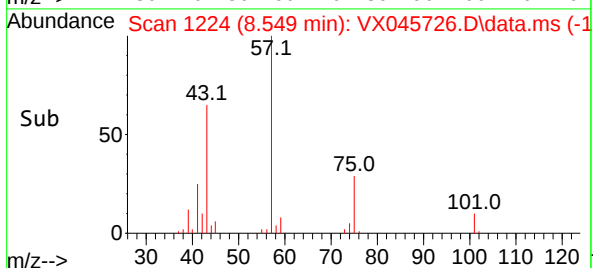
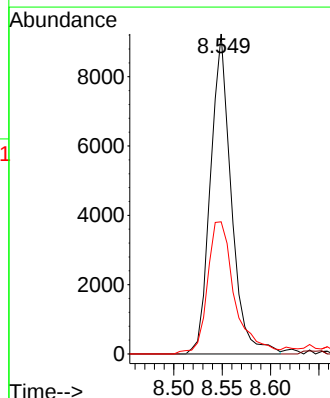
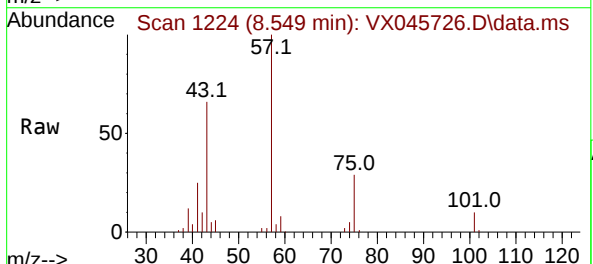
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-17

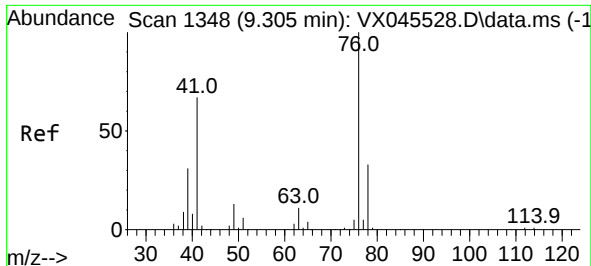
Tgt Ion: 75 Resp: 243  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.4 38.0#



#54  
 cis-1,3-Dichloropropene  
 Concen: 10.177 ug/l  
 RT: 8.549 min Scan# 1224  
 Delta R.T. 0.183 min  
 Lab File: VX045726.D  
 Acq: 11 Apr 2025 09:00

Tgt Ion: 75 Resp: 13802  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 24.6 36.8#  
 39 40.5 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.761 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045726.D

Acq: 11 Apr 2025 09:00

Instrument :

MSVOA\_X

ClientSampleId :

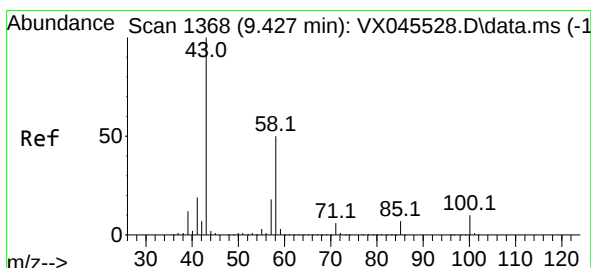
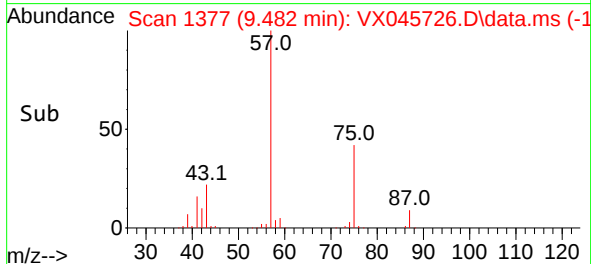
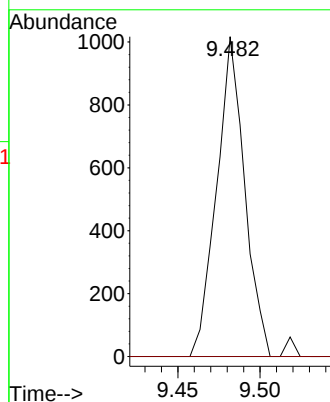
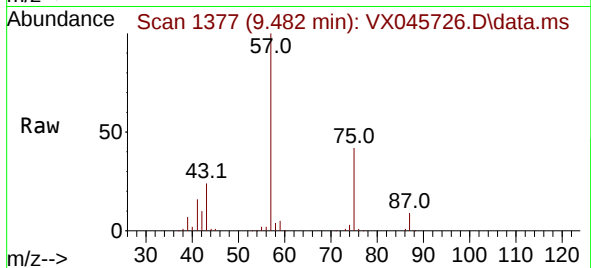
TP-17

Tgt Ion: 76 Resp: 1205

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 5.811 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045726.D

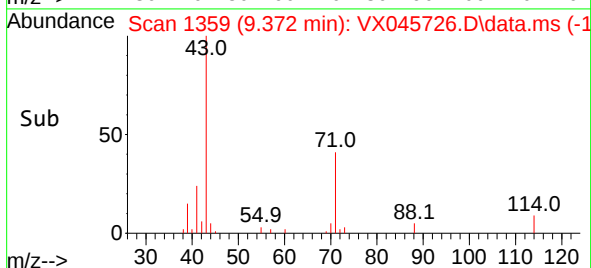
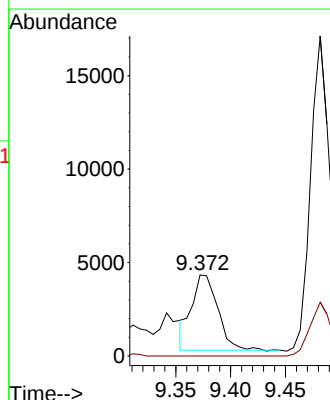
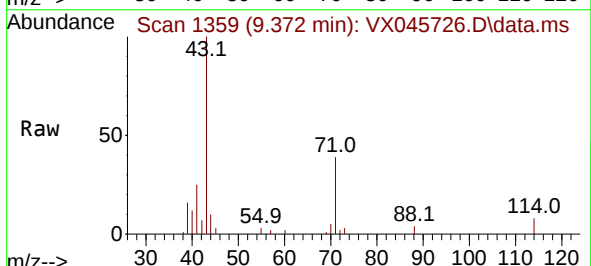
Acq: 11 Apr 2025 09:00

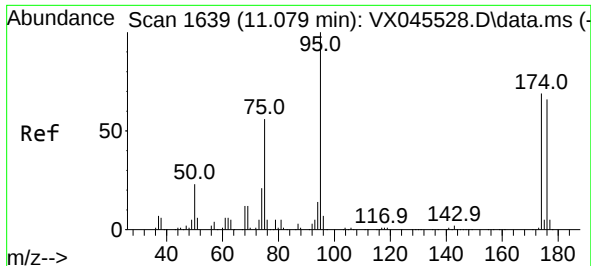
Tgt Ion: 43 Resp: 6731

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

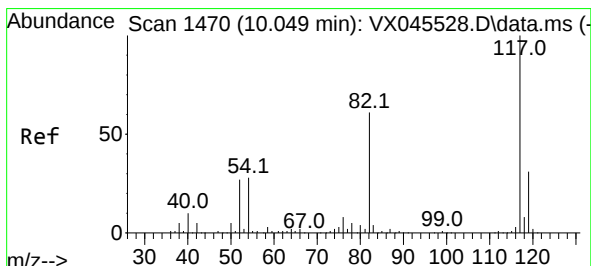
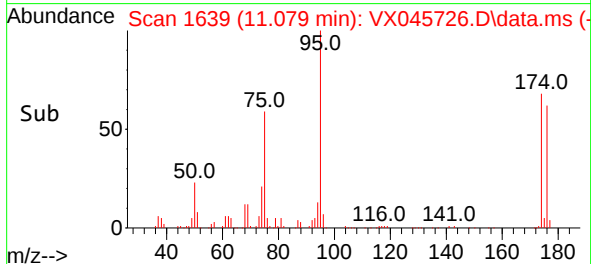
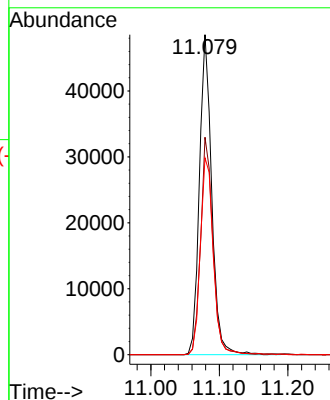
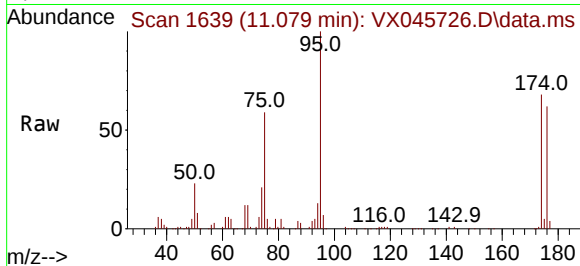




#62  
4-Bromofluorobenzene  
Concen: 52.205 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

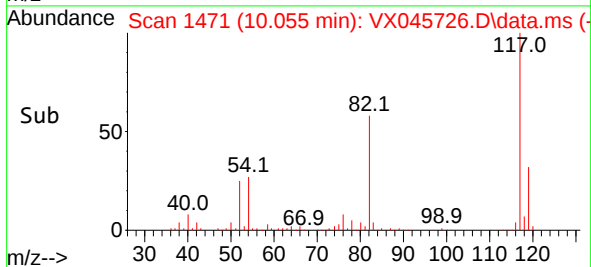
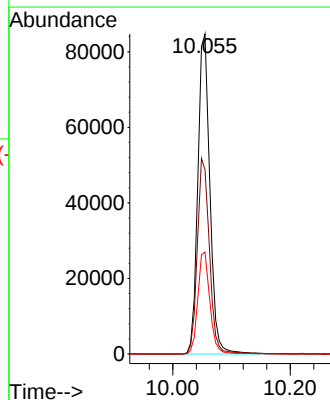
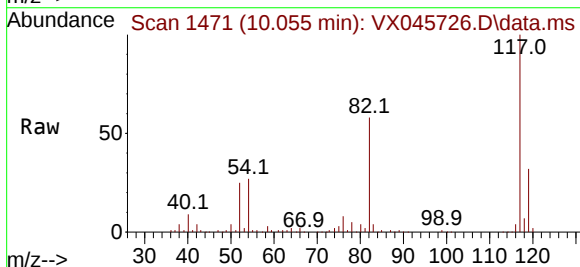
Instrument :  
MSVOA\_X  
ClientSampleId :  
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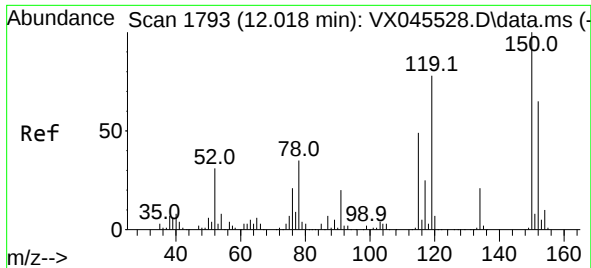
Tgt Ion: 95 Resp: 60730  
Ion Ratio Lower Upper  
95 100  
174 67.6 0.0 135.8  
176 64.9 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Tgt Ion: 117 Resp: 121135  
Ion Ratio Lower Upper  
117 100  
82 57.6 49.2 73.8  
119 31.9 25.1 37.7

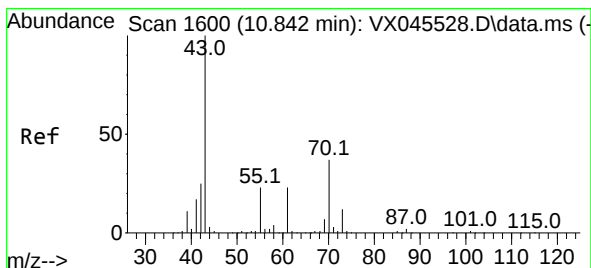
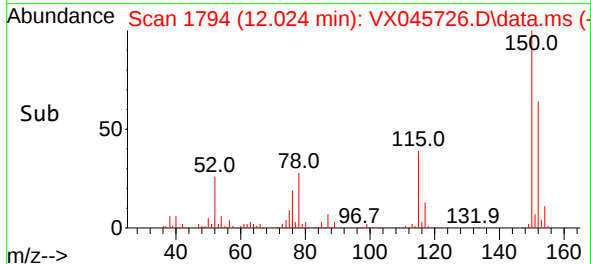
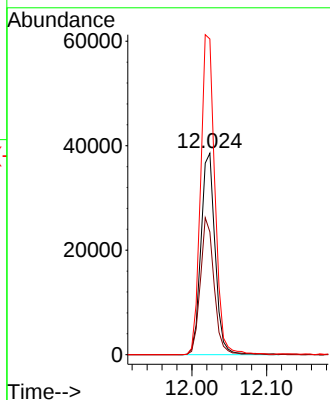
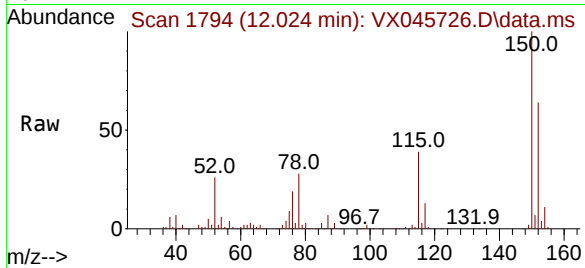




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1  
 Delta R.T. 0.006 min  
 Lab File: VX045726.D  
 Acq: 11 Apr 2025 09:00

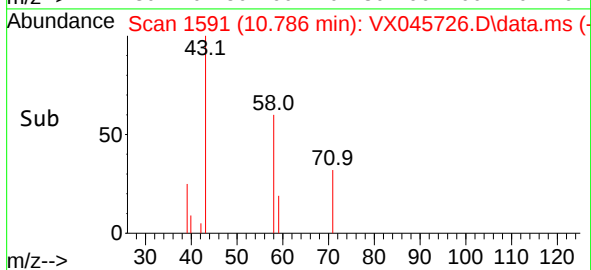
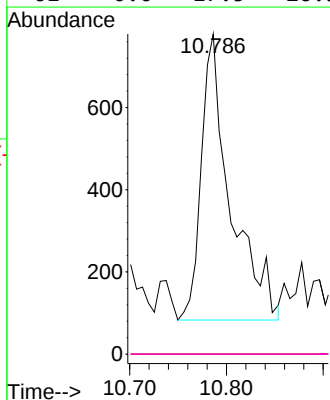
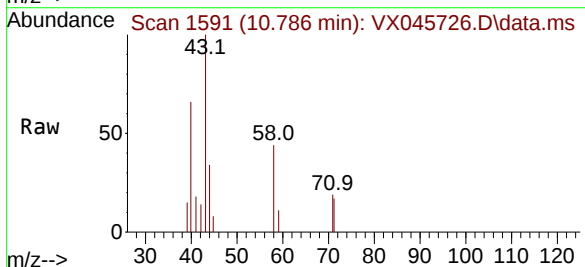
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-17

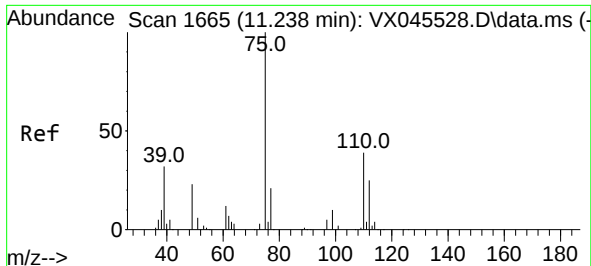
Tgt Ion:152 Resp: 50988  
 Ion Ratio Lower Upper  
 152 100  
 115 65.5 46.9 140.7  
 150 159.3 0.0 349.4



#74  
 N-ethyl acetate  
 Concen: 0.747 ug/l  
 RT: 10.786 min Scan# 1591  
 Delta R.T. -0.055 min  
 Lab File: VX045726.D  
 Acq: 11 Apr 2025 09:00

Tgt Ion: 43 Resp: 1459  
 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#

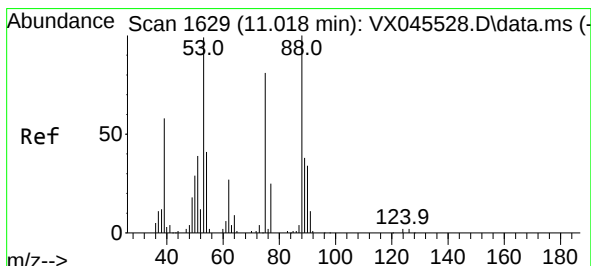
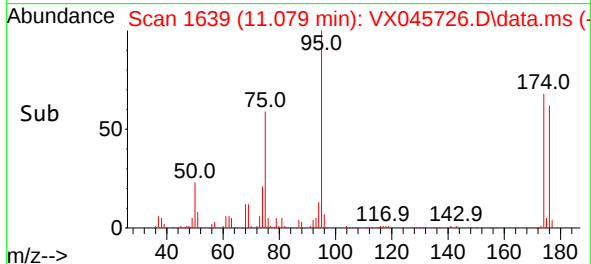
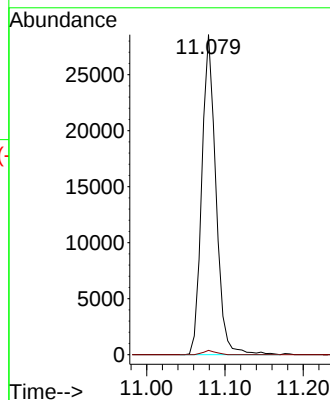
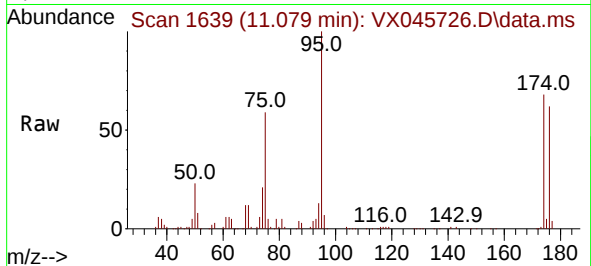




#76  
1,2,3-Trichloropropane  
Concen: 28.828 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

Tgt Ion: 75 Resp: 35854  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.0 59.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.839 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045726.D  
Acq: 11 Apr 2025 09:00

Tgt Ion: 75 Resp: 35854  
Ion Ratio Lower Upper  
75 100  
53 0.0 101.8 152.6#  
89 0.0 37.2 55.8#

