

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020325\  
 Data File : VU063112.D  
 Acq On : 03 Feb 2025 11:14  
 Operator : MD/SY  
 Sample : VSTD010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010077

Quant Time: Feb 04 07:29:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020325WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 04 07:26:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.239  | 114  | 98748    | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.406  | 117  | 92510    | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.801 | 152  | 45762    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65   | 73441    | 17.929  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.901  | 69   | 59006    | 18.203  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65   | 31145    | 13.679  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.599  | 46   | 179756   | 152.729 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.046  | 84   | 141864   | 10.032  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.685  | 65   | 66774    | 8.606   | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.711  | 84   | 285904   | 12.653  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.676  | 67   | 91898    | 14.686  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.885  | 98   | 261258   | 12.001  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.168  | 79   | 35273    | 10.468  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.618  | 63   | 161818   | 167.922 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84   | 77855    | 13.827  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.180 | 152  | 87460    | 10.604  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.377  | 85   | 60533    | 7.474   | ug/L  | 98       |
| 3) Chloromethane              | 1.515  | 50   | 76293    | 15.854  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.599  | 62   | 85509    | 16.118  | ug/L  | 98       |
| 6) Bromomethane               | 1.840  | 94   | 47088    | 17.515  | ug/L  | 97       |
| 8) Chloroethane               | 1.920  | 64   | 48066    | 17.221  | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 2.129  | 101  | 110305   | 9.526   | ug/L  | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 69117    | 11.474  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.567  | 96   | 66493    | 12.413  | ug/L  | 92       |
| 13) Acetone                   | 2.608  | 43   | 93820    | 132.217 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.782  | 76   | 185575   | 13.069  | ug/L  | 98       |
| 15) Methyl Acetate            | 2.936  | 43   | 26679    | 17.552  | ug/L  | 99       |
| 16) Methylene chloride        | 3.030  | 84   | 73458    | 12.662  | ug/L  | 99       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73   | 174187   | 11.122  | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.338  | 96   | 67144    | 11.765  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.853  | 63   | 131803   | 12.832  | ug/L  | 98       |
| 21) 2-Butanone                | 4.679  | 43   | 166259   | 160.132 | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 4.650  | 96   | 79043    | 11.466  | ug/L  | 96       |
| 23) Bromochloromethane        | 4.959  | 128  | 34302    | 10.364  | ug/L  | 98       |
| 25) Chloroform                | 5.071  | 83   | 135394   | 9.805   | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.779  | 62   | 79898    | 8.602   | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.300  | 97   | 112480   | 8.242   | ug/L  | 98       |
| 30) Cyclohexane               | 5.374  | 56   | 104224   | 13.951  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.509  | 117  | 94612    | 7.370   | ug/L  | 99       |
| 33) Benzene                   | 5.759  | 78   | 300123   | 12.472  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 77875    | 10.082  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.750  | 83   | 112873   | 11.337  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.775  | 63   | 79090    | 13.862  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.091  | 83   | 100344   | 9.932   | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 120783   | 12.107  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 423586   | 151.967 | ug/L  | 100      |
| 42) Toluene                   | 7.955  | 91   | 324816   | 11.688  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.197  | 75   | 101941   | 11.440  | ug/L  | 99       |

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 Operator : MD/SY  
 Sample : VSTD010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010077

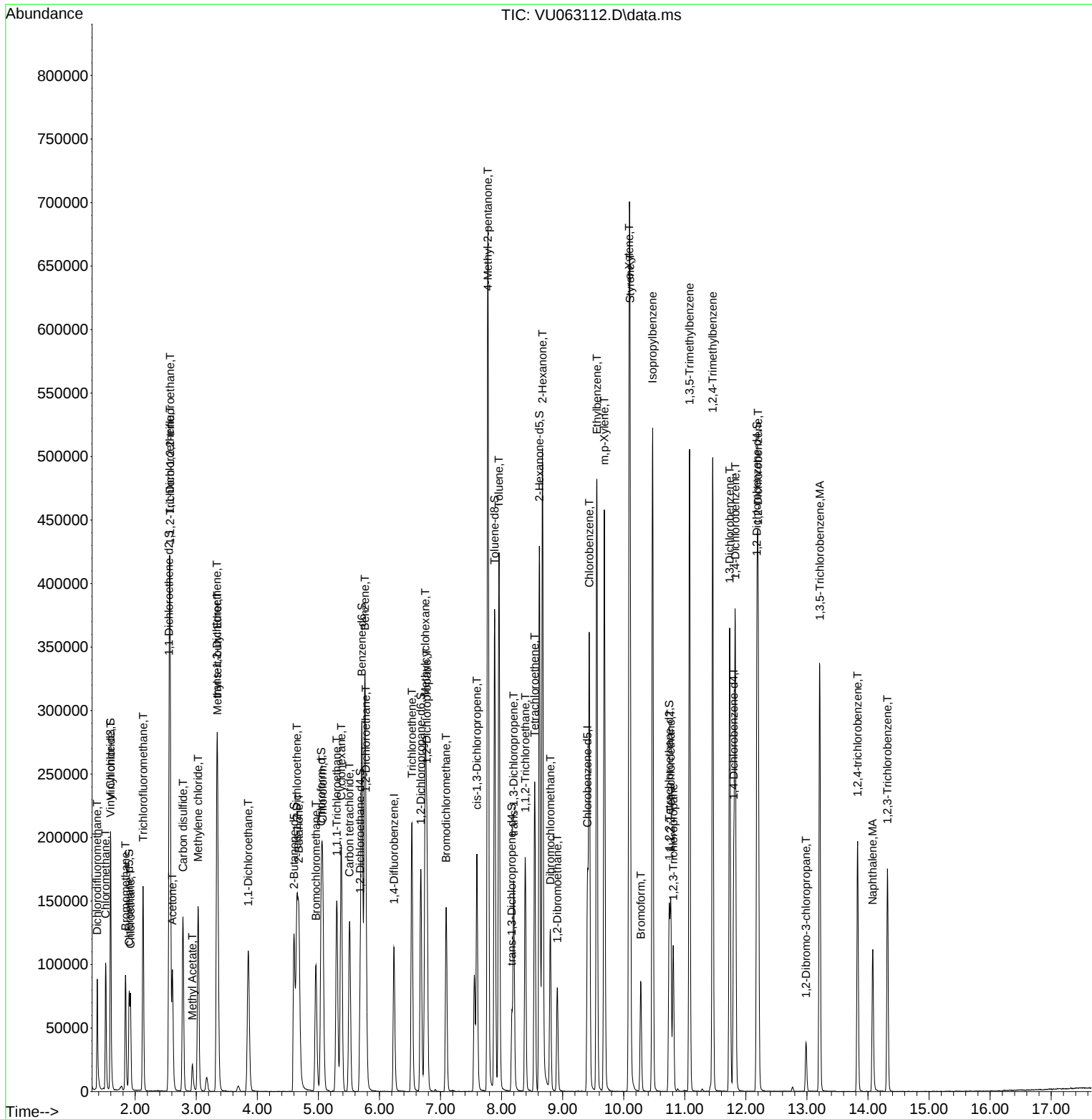
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020325WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 04 07:26:50 2025  
 Response via : Initial Calibration

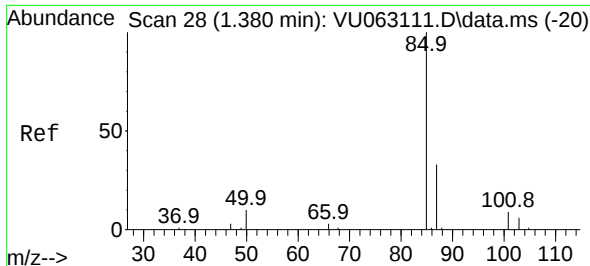
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 8.386  | 97   | 59352    | 11.802  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.541  | 164  | 54638    | 8.669   | ug/L  | 96       |
| 48) 2-Hexanone                | 8.669  | 43   | 298574   | 153.398 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.798  | 129  | 66461    | 9.266   | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.910  | 107  | 56841    | 11.523  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.435  | 112  | 195535   | 10.417  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.560  | 91   | 351276   | 11.077  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.682  | 106  | 132733   | 11.013  | ug/L  | 95       |
| 54) o-Xylene                  | 10.087 | 106  | 128167   | 11.451  | ug/L  | 95       |
| 55) Styrene                   | 10.103 | 104  | 219884   | 11.630  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.769 | 83   | 77003    | 13.251  | ug/L  | 99       |
| 59) Bromoform                 | 10.280 | 173  | 41148    | 9.662   | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.473 | 105  | 346558   | 11.550  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 51252    | 12.804  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 281586   | 10.933  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 276736   | 11.381  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.733 | 146  | 152992   | 10.344  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 152186   | 10.294  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.200 | 146  | 145160   | 10.387  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.984 | 75   | 10988    | 11.015  | ug/L  | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 108953   | 9.511   | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 63302    | 7.004   | ug/L  | 98       |
| 71) Naphthalene               | 14.077 | 128  | 100231   | 8.295   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.319 | 180  | 55978    | 7.143   | ug/L  | 99       |
| -----                         |        |      |          |         |       |          |

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

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTD010077

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Feb 04 07:26:50 2025  
Response via : Initial Calibration

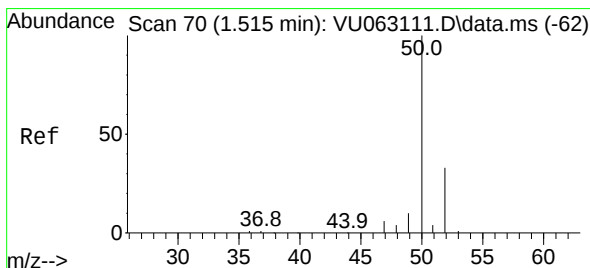
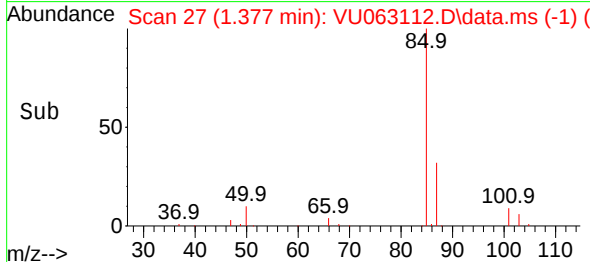
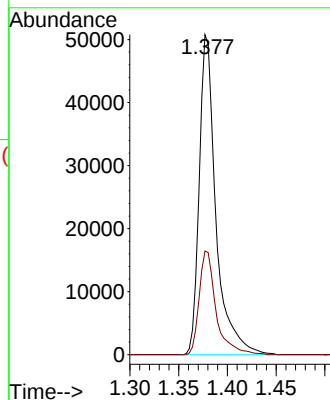
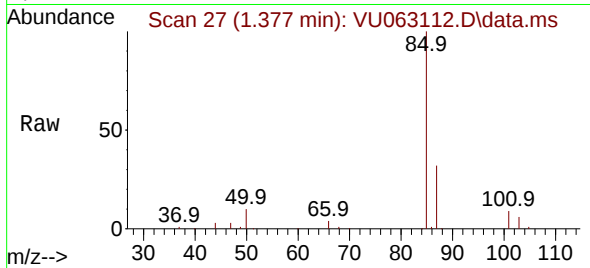




#2  
 Dichlorodifluoromethane  
 Concen: 7.474 ug/L  
 RT: 1.377 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

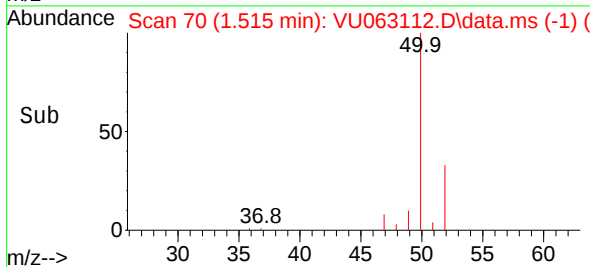
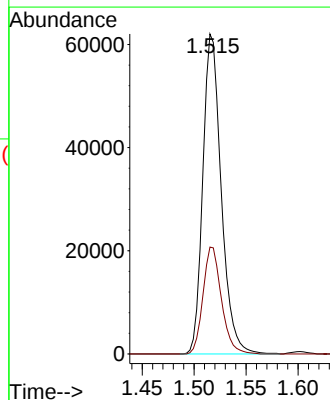
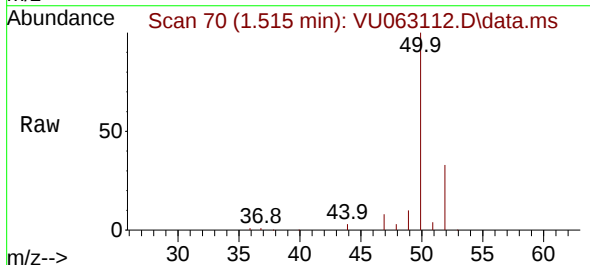
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010077

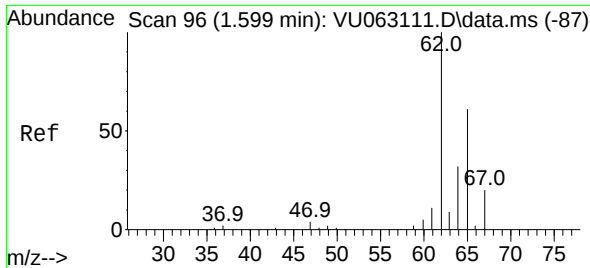
Tgt Ion: 85 Resp: 60533  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.4 38.0



#3  
 Chloromethane  
 Concen: 15.854 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. 0.000 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

Tgt Ion: 50 Resp: 76293  
 Ion Ratio Lower Upper  
 50 100  
 52 33.4 23.2 43.2

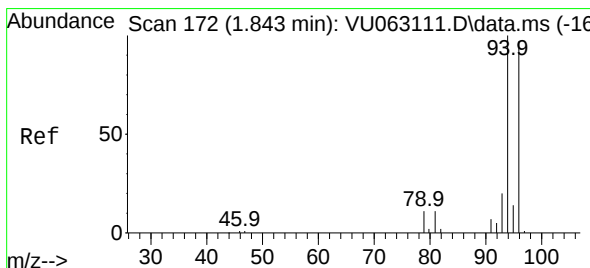
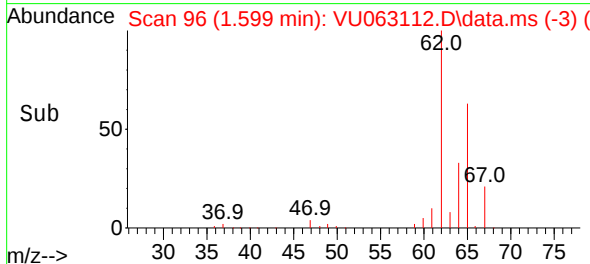
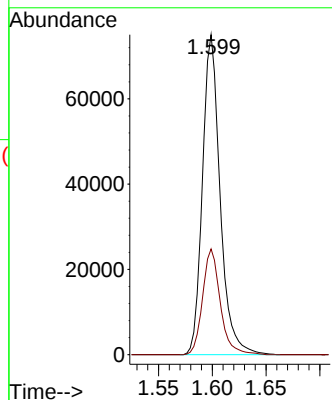
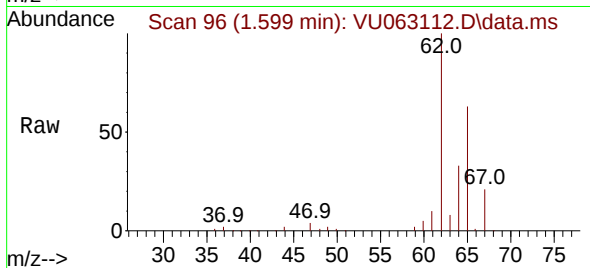




#5  
 Vinyl chloride  
 Concen: 16.118 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. 0.000 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

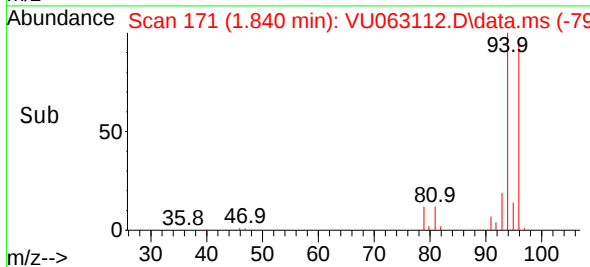
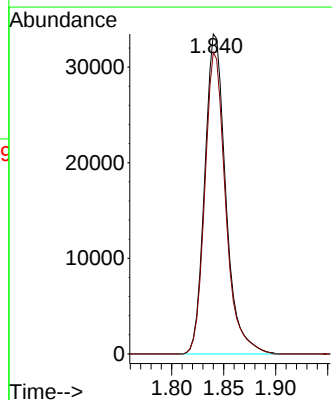
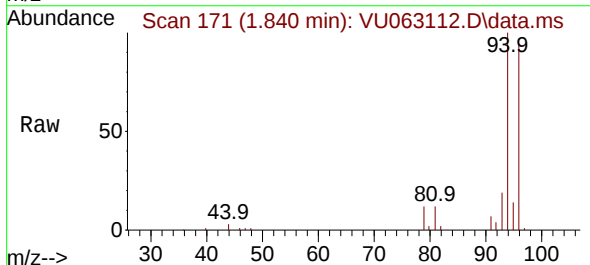
Instrument :  
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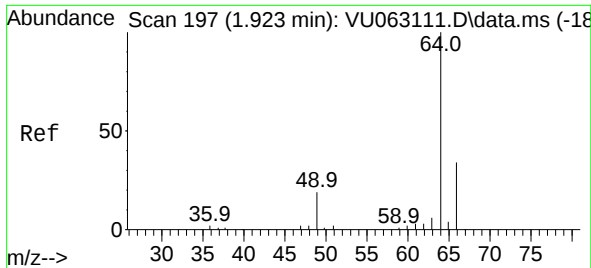
Tgt Ion: 62 Resp: 85509  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 22.3 41.3



#6  
 Bromomethane  
 Concen: 17.515 ug/L  
 RT: 1.840 min Scan# 171  
 Delta R.T. -0.003 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

Tgt Ion: 94 Resp: 47088  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 67.8 125.8

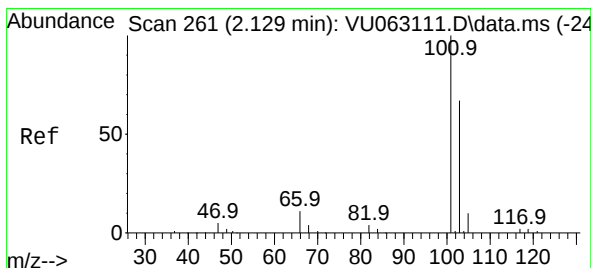
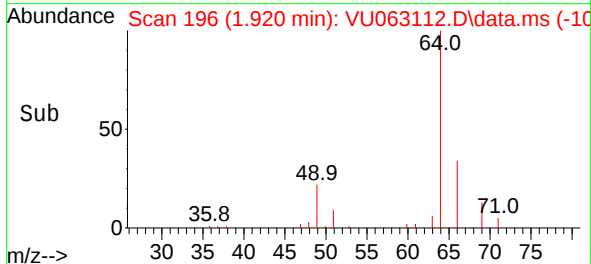
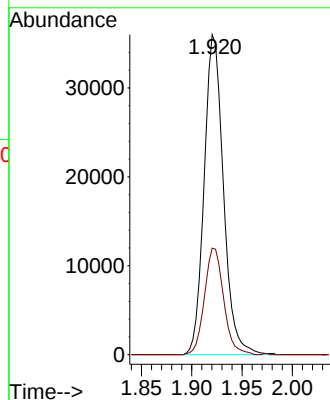
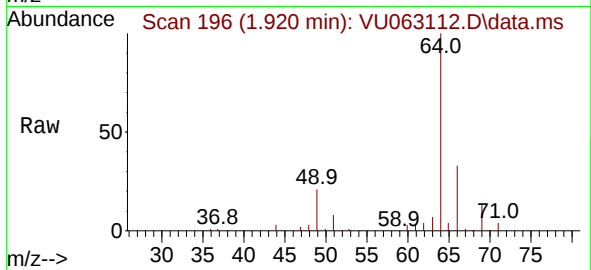




#8  
Chloroethane  
Concen: 17.221 ug/L  
RT: 1.920 min Scan# 196  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

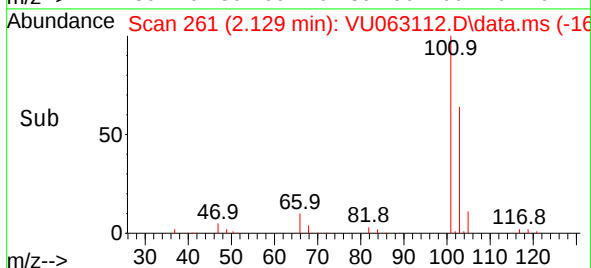
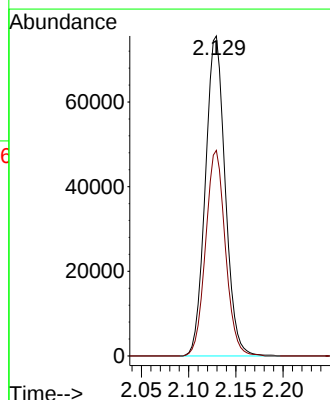
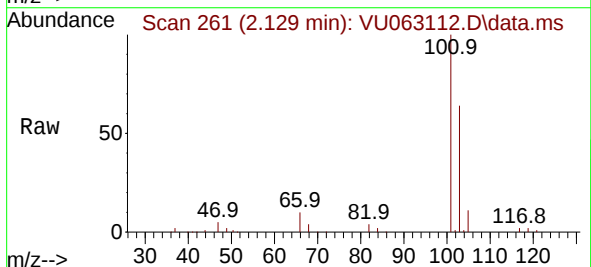
Instrument :  
MSVOA\_U  
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VSTD010077

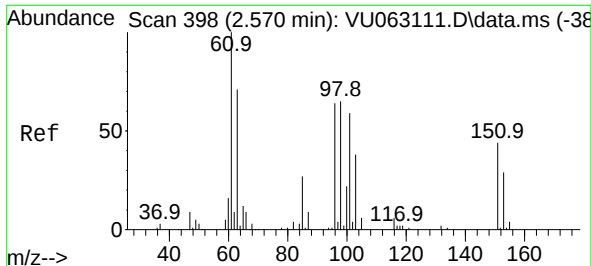
Tgt Ion: 64 Resp: 48066  
Ion Ratio Lower Upper  
64 100  
66 33.3 24.1 44.7



#9  
Trichlorofluoromethane  
Concen: 9.526 ug/L  
RT: 2.129 min Scan# 261  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion:101 Resp: 110305  
Ion Ratio Lower Upper  
101 100  
103 64.0 53.0 79.4

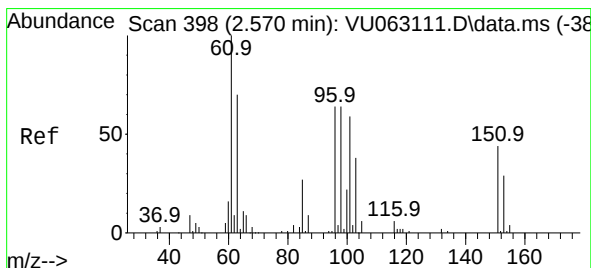
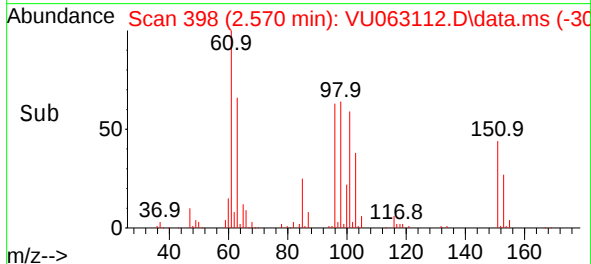
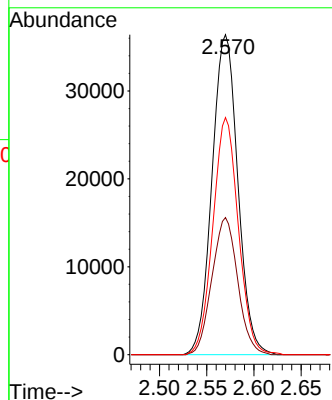
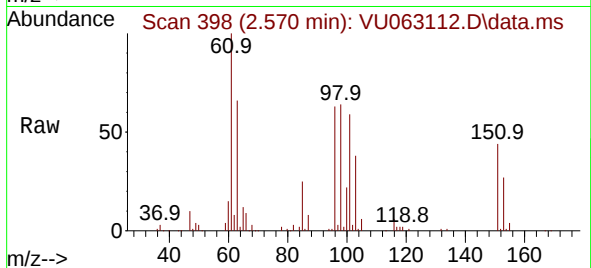




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 11.474 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. 0.000 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

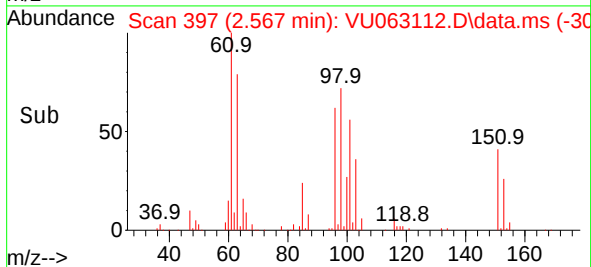
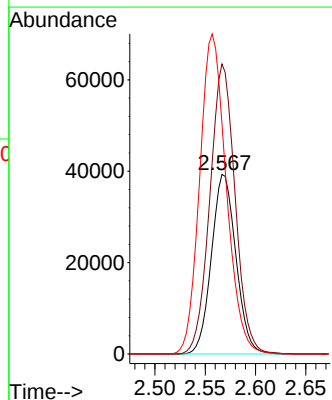
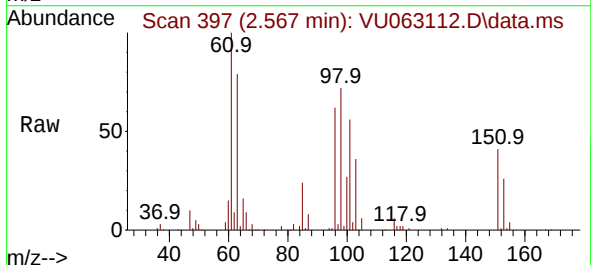
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010077

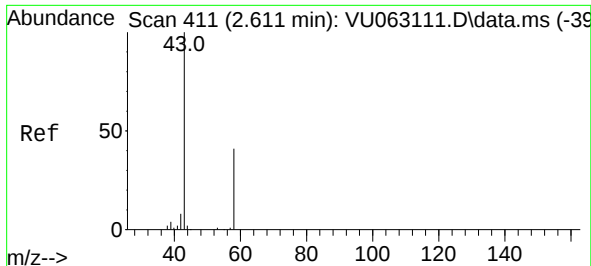
Tgt Ion:101 Resp: 69117  
 Ion Ratio Lower Upper  
 101 100  
 85 42.7 34.0 51.0  
 151 73.1 57.7 86.5



#12  
 1,1-Dichloroethene  
 Concen: 12.413 ug/L  
 RT: 2.567 min Scan# 397  
 Delta R.T. -0.003 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

Tgt Ion: 96 Resp: 66493  
 Ion Ratio Lower Upper  
 96 100  
 61 161.5 110.2 204.6  
 63 128.4 79.6 147.8





#13

Acetone

Concen: 132.217 ug/L

RT: 2.608 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

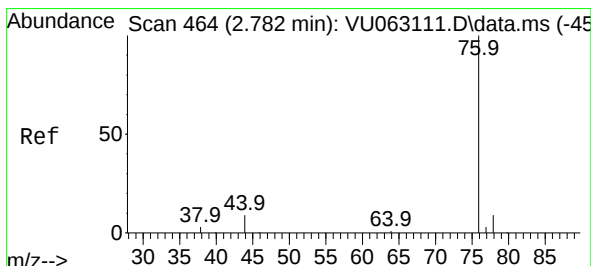
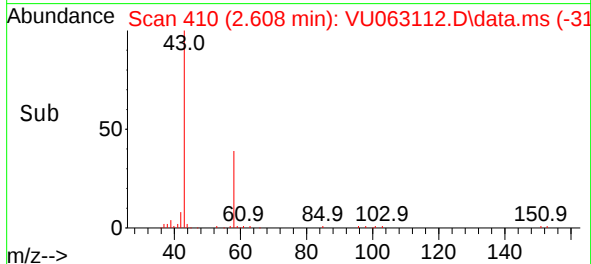
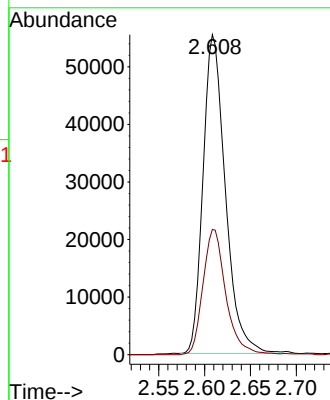
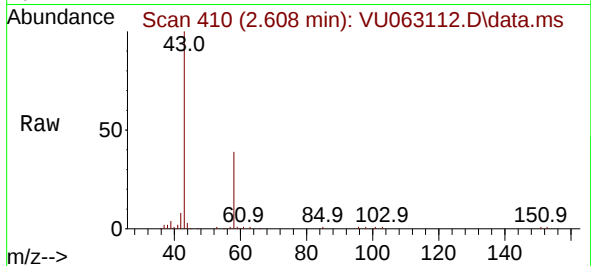
VSTD010077

Tgt Ion: 43 Resp: 93820

Ion Ratio Lower Upper

43 100

58 40.2 0.0 81.0



#14

Carbon disulfide

Concen: 13.069 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063112.D

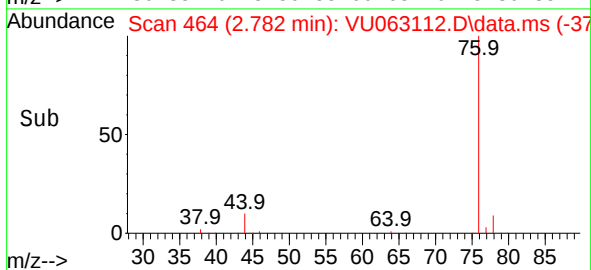
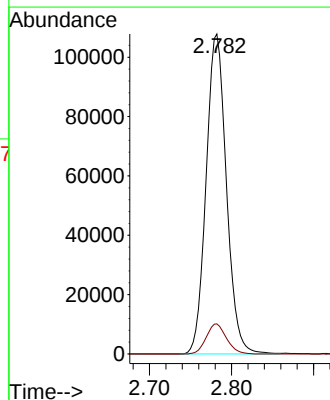
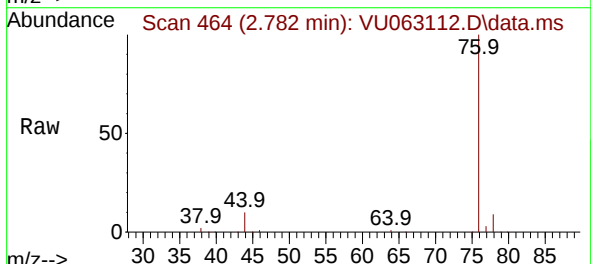
Acq: 03 Feb 2025 11:14

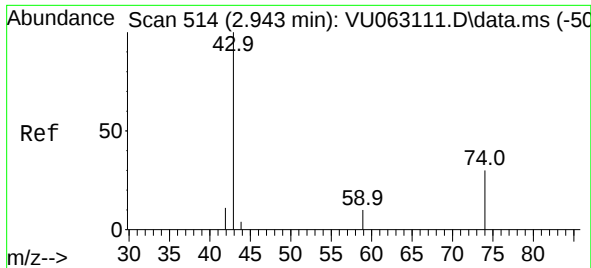
Tgt Ion: 76 Resp: 185575

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

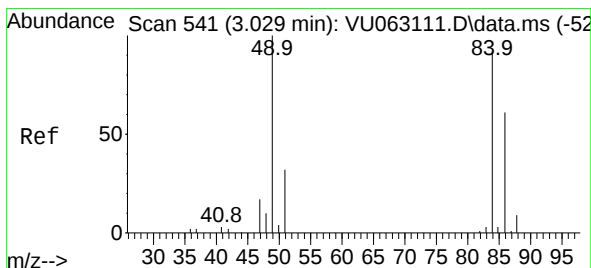
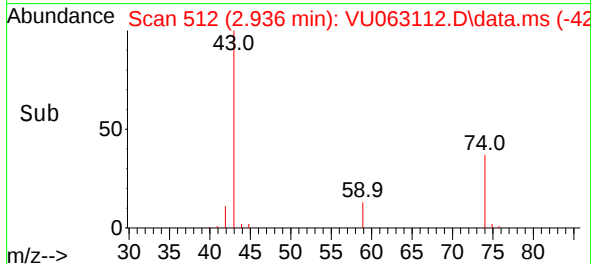
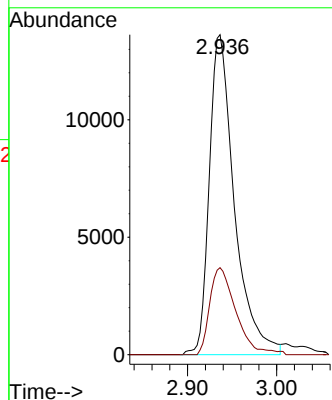
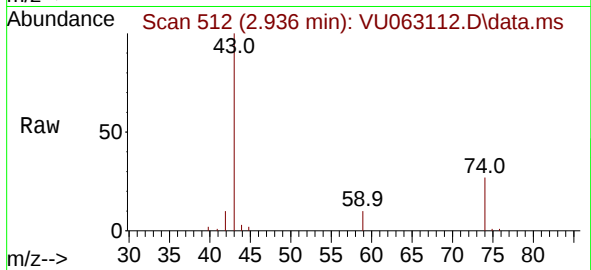




#15  
Methyl Acetate  
Concen: 17.552 ug/L  
RT: 2.936 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

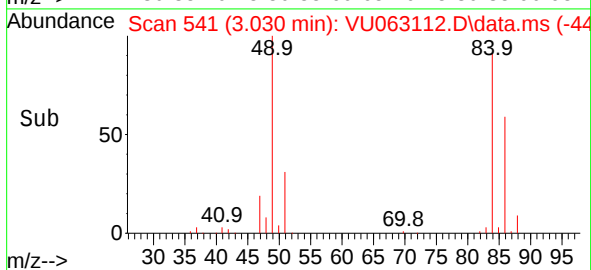
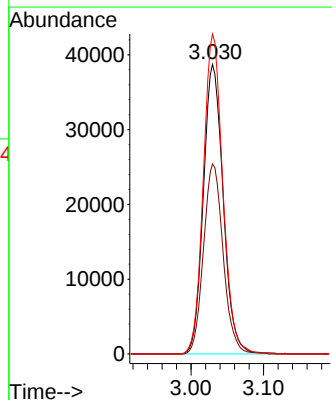
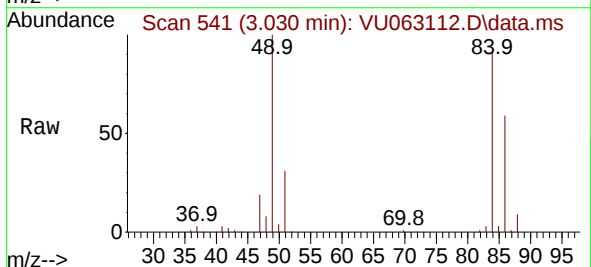
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

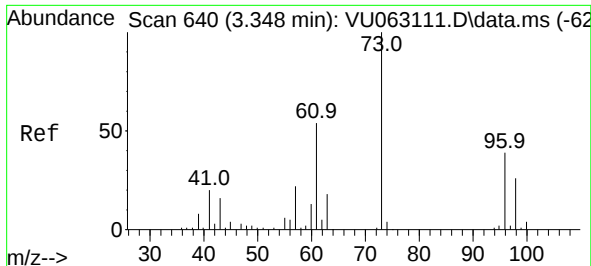
Tgt Ion: 43 Resp: 26679  
Ion Ratio Lower Upper  
43 100  
74 28.2 22.3 33.5



#16  
Methylene chloride  
Concen: 12.662 ug/L  
RT: 3.030 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 84 Resp: 73458  
Ion Ratio Lower Upper  
84 100  
86 65.6 46.3 86.1  
49 110.5 75.9 141.1

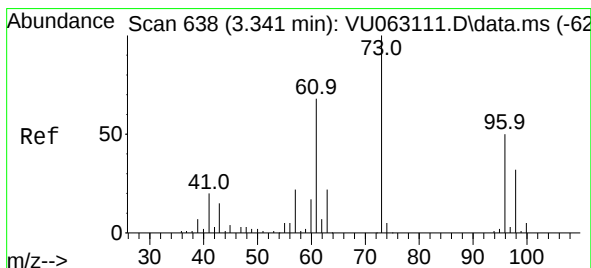
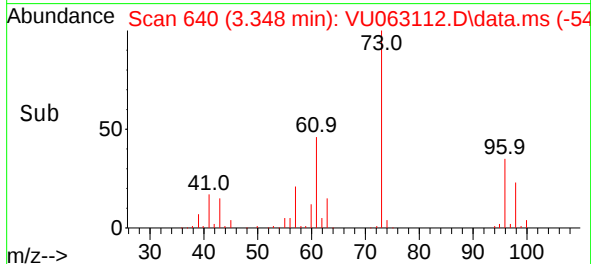
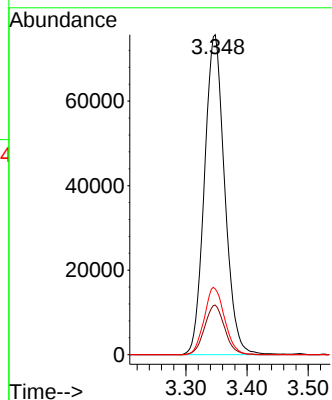
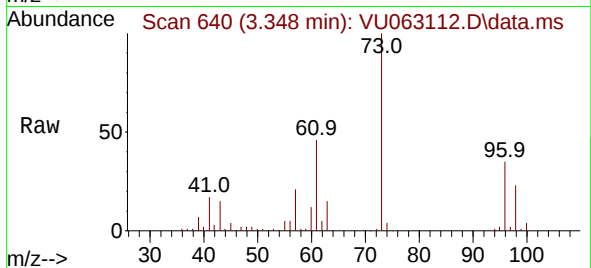




#17  
Methyl tert-butyl Ether  
Concen: 11.122 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

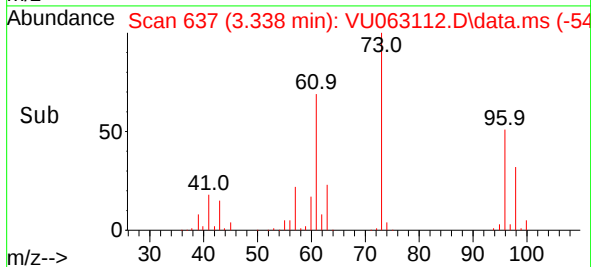
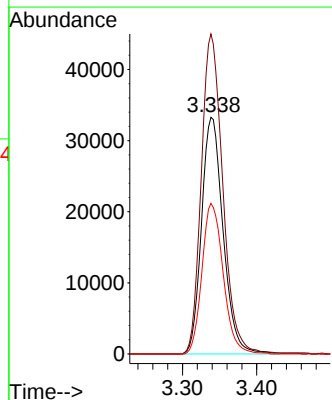
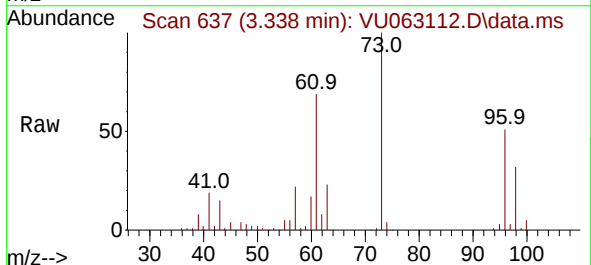
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

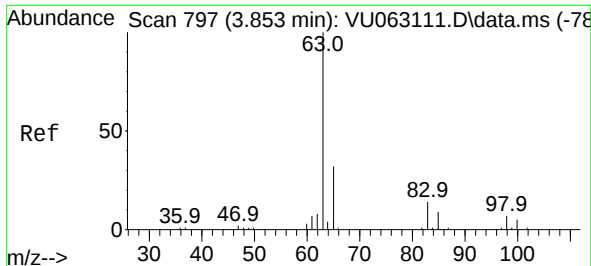
Tgt Ion: 73 Resp: 174187  
Ion Ratio Lower Upper  
73 100  
43 15.4 12.5 18.7  
57 21.2 17.6 26.4



#18  
trans-1,2-Dichloroethene  
Concen: 11.765 ug/L  
RT: 3.338 min Scan# 637  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 96 Resp: 67144  
Ion Ratio Lower Upper  
96 100  
61 135.2 94.6 175.6  
98 63.7 44.4 82.5

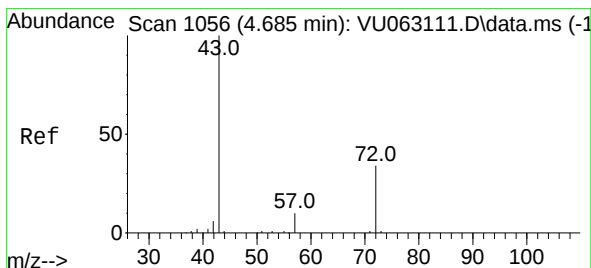
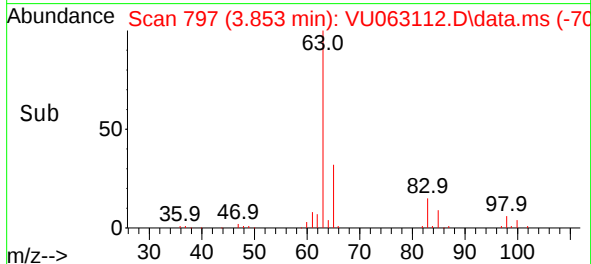
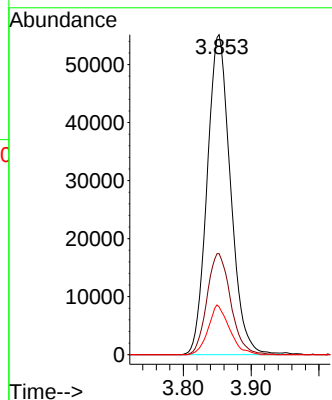
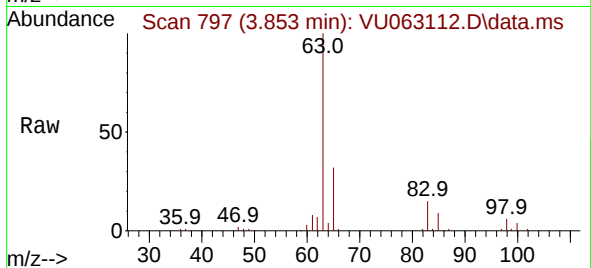




#19  
1,1-Dichloroethane  
Concen: 12.832 ug/L  
RT: 3.853 min Scan# 797  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

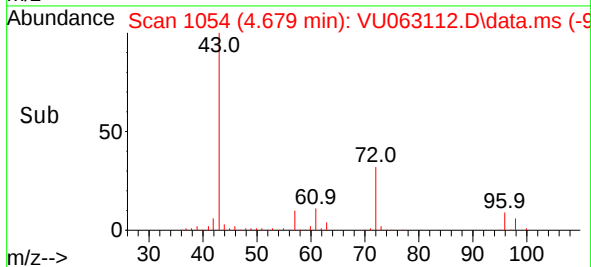
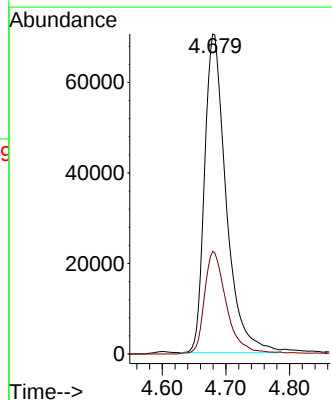
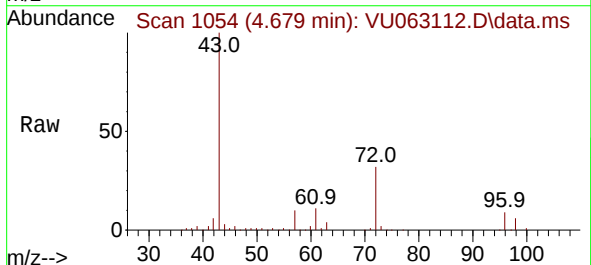
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

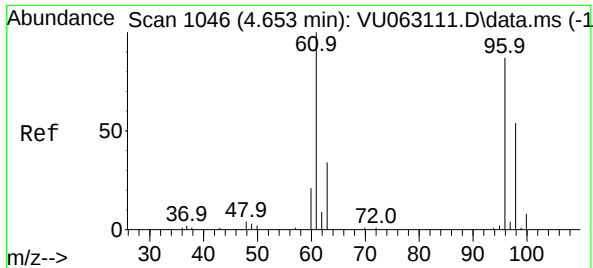
Tgt Ion: 63 Resp: 131803  
Ion Ratio Lower Upper  
63 100  
65 31.6 22.7 42.1  
83 15.0 9.9 18.3



#21  
2-Butanone  
Concen: 160.132 ug/L  
RT: 4.679 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 43 Resp: 166259  
Ion Ratio Lower Upper  
43 100  
72 32.8 16.7 50.0

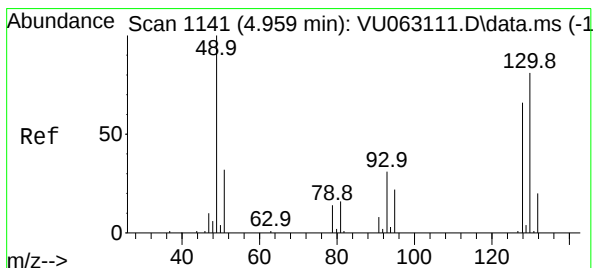
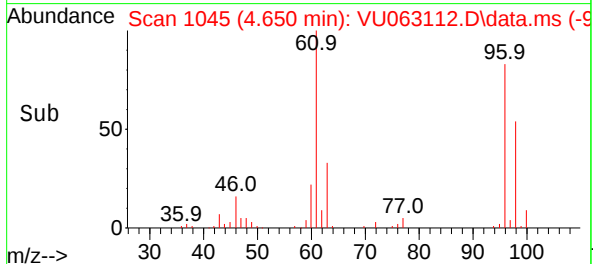
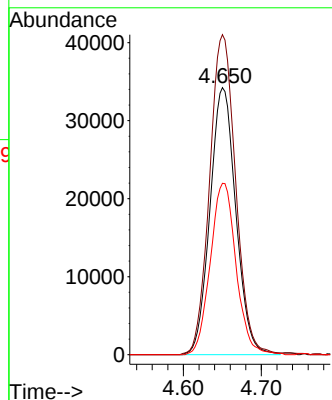
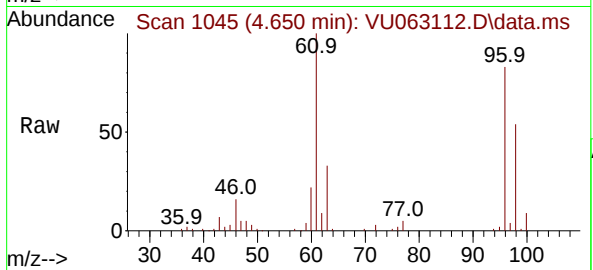




#22  
cis-1,2-Dichloroethene  
Concen: 11.466 ug/L  
RT: 4.650 min Scan# 1045  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

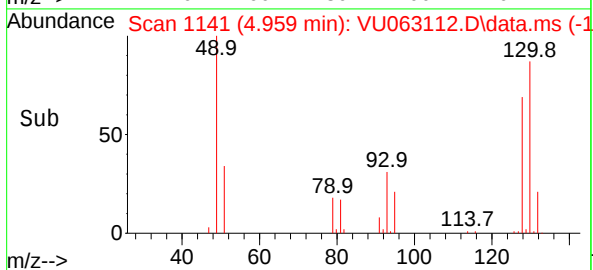
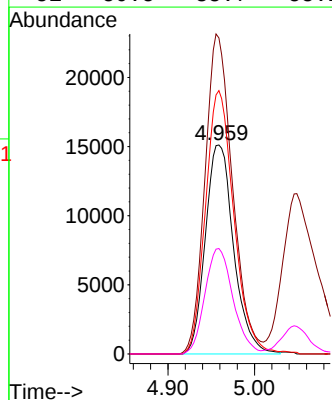
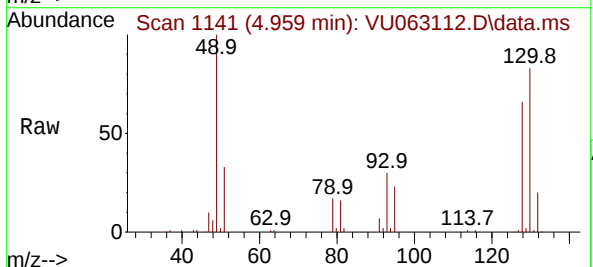
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

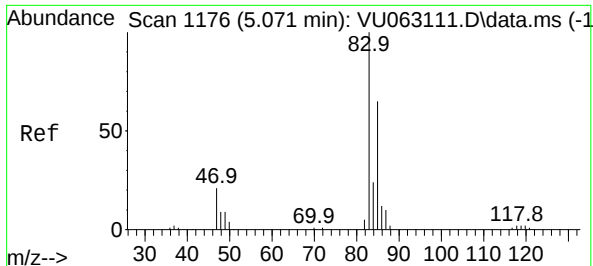
Tgt Ion: 96 Resp: 79043  
Ion Ratio Lower Upper  
96 100  
61 119.8 80.8 150.2  
98 64.2 43.4 80.6



#23  
Bromochloromethane  
Concen: 10.364 ug/L  
RT: 4.959 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion:128 Resp: 34302  
Ion Ratio Lower Upper  
128 100  
49 151.2 105.4 195.8  
130 126.0 85.0 157.8  
51 50.5 38.7 58.1

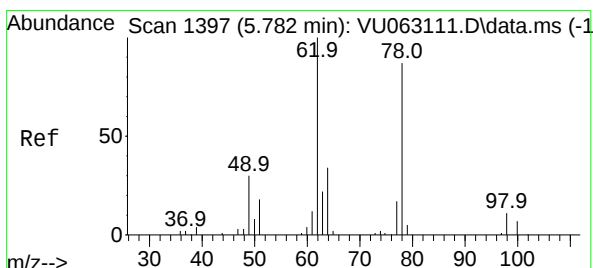
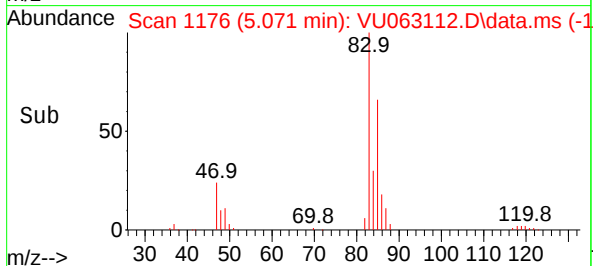
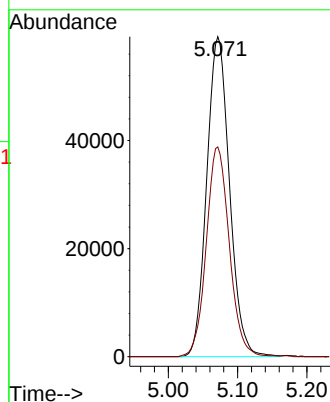
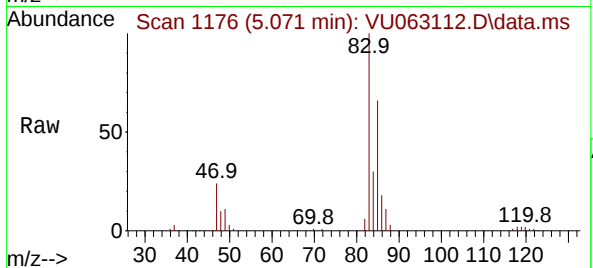




#25  
Chloroform  
Concen: 9.805 ug/L  
RT: 5.071 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

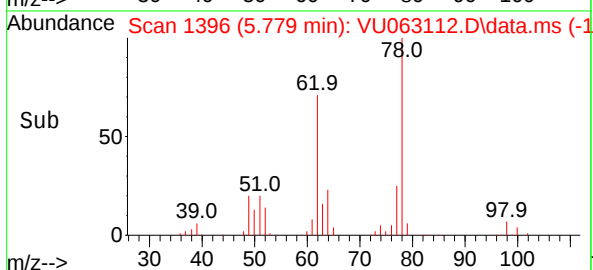
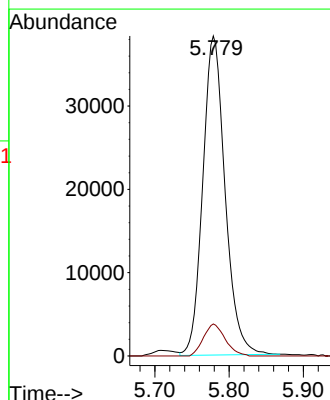
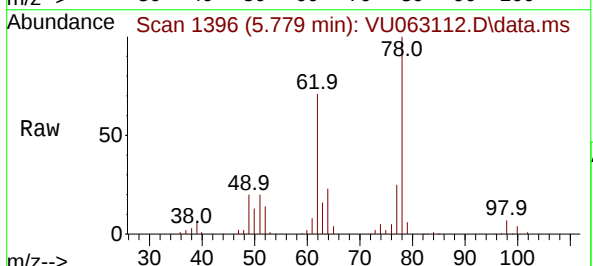
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

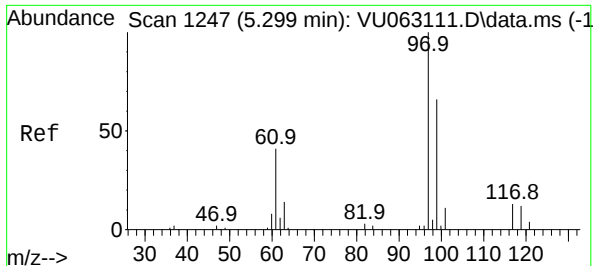
Tgt Ion: 83 Resp: 135394  
Ion Ratio Lower Upper  
83 100  
85 65.5 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 8.602 ug/L  
RT: 5.779 min Scan# 1396  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 62 Resp: 79898  
Ion Ratio Lower Upper  
62 100  
98 10.0 8.6 12.8

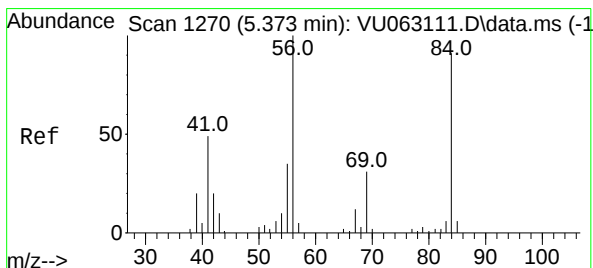
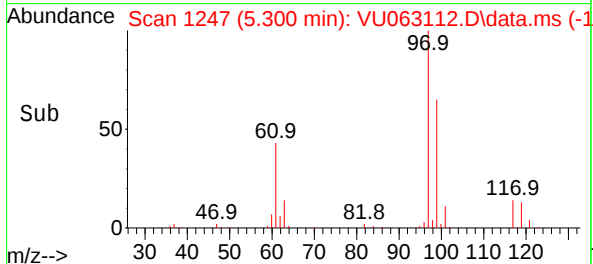
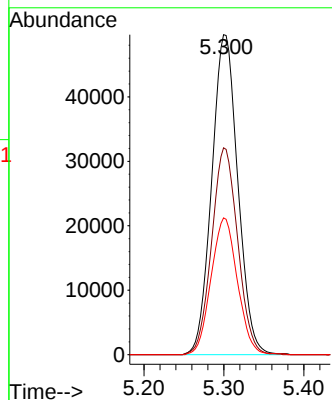
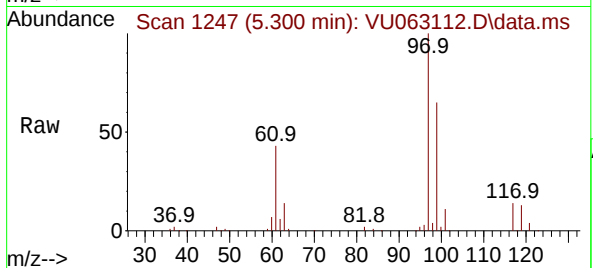




#29  
1,1,1-Trichloroethane  
Concen: 8.242 ug/L  
RT: 5.300 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

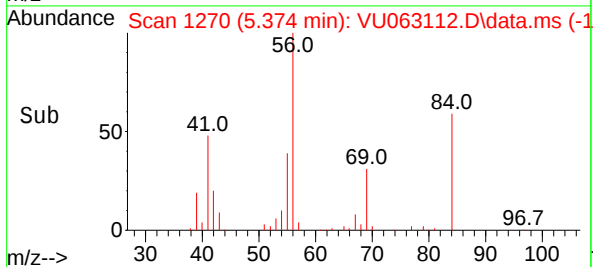
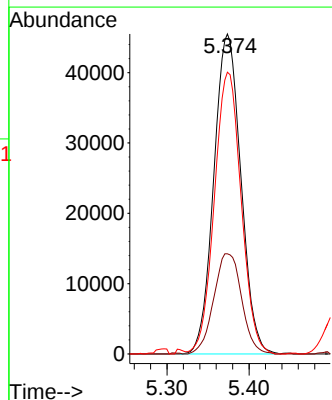
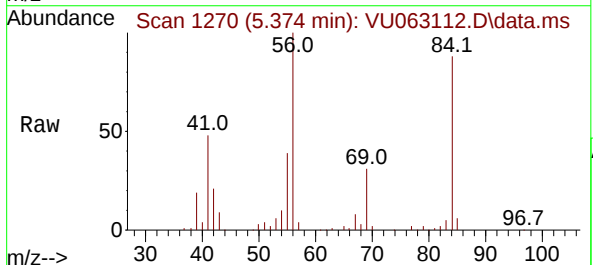
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ClientSampleId :  
VSTD010077

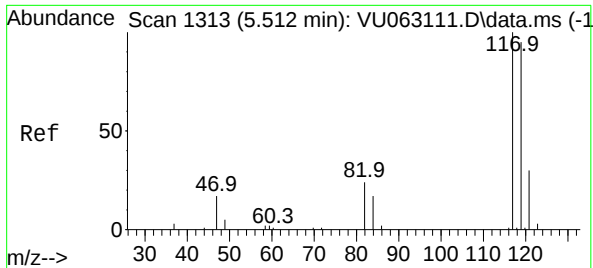
Tgt Ion: 97 Resp: 112480  
Ion Ratio Lower Upper  
97 100  
99 64.6 52.3 78.5  
61 43.2 33.2 49.8



#30  
Cyclohexane  
Concen: 13.951 ug/L  
RT: 5.374 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 56 Resp: 104224  
Ion Ratio Lower Upper  
56 100  
69 32.3 25.1 37.7  
84 87.3 71.4 107.2

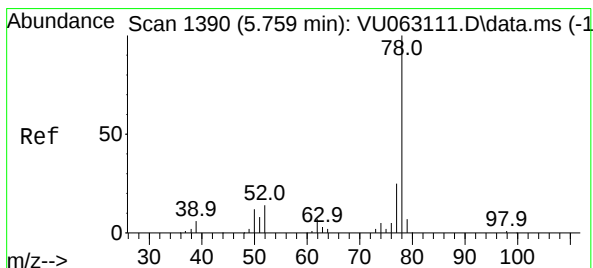
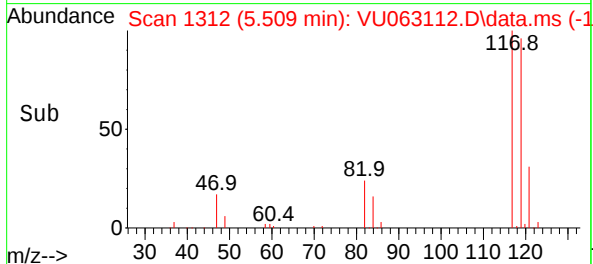
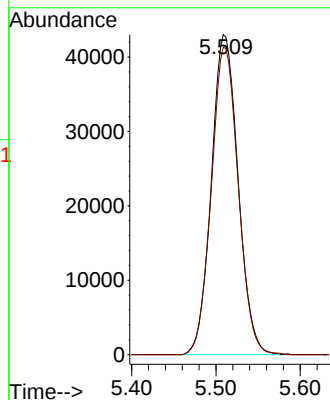
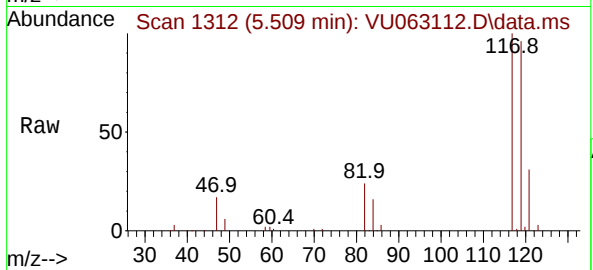




#31  
Carbon tetrachloride  
Concen: 7.370 ug/L  
RT: 5.509 min Scan# 1313  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

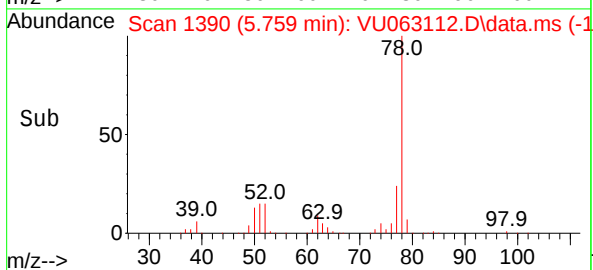
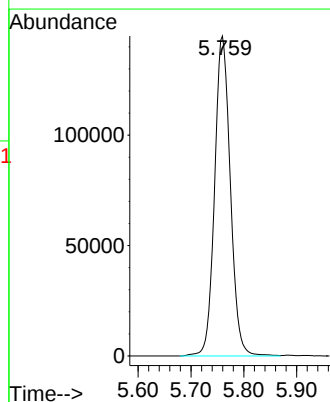
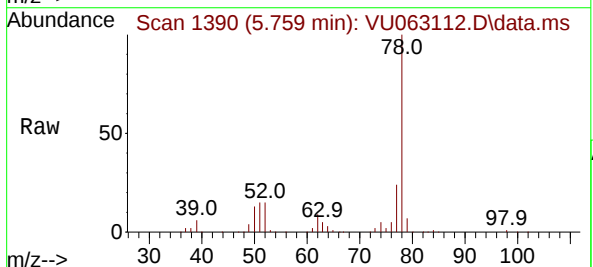
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

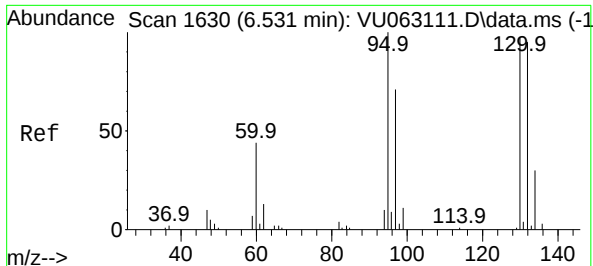
Tgt Ion:117 Resp: 94612  
Ion Ratio Lower Upper  
117 100  
119 96.9 77.0 115.6



#33  
Benzene  
Concen: 12.472 ug/L  
RT: 5.759 min Scan# 1390  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 78 Resp: 300123





#34

Trichloroethene

Concen: 10.082 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

Tgt Ion: 95 Resp: 77875

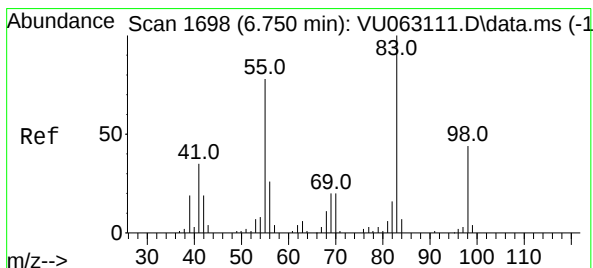
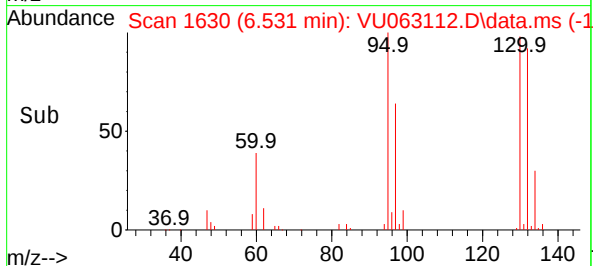
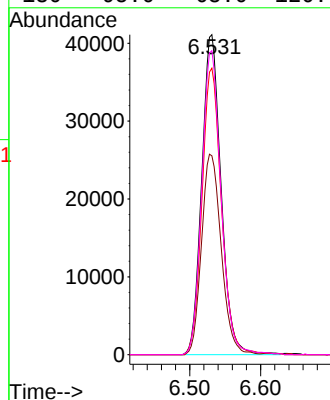
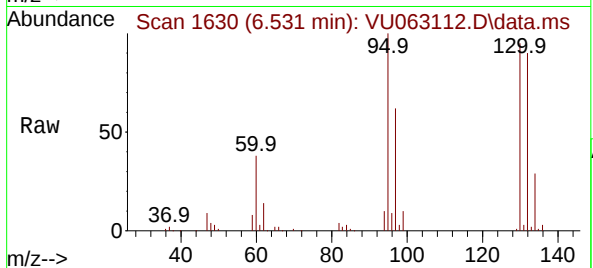
Ion Ratio Lower Upper

95 100

97 62.2 49.6 92.0

132 89.5 66.4 123.2

130 95.0 68.0 126.4



#35

Methylcyclohexane

Concen: 11.337 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

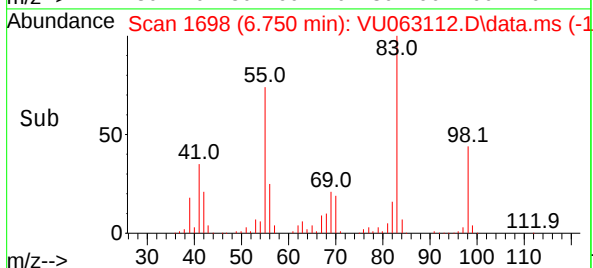
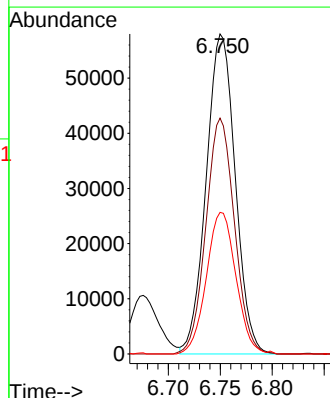
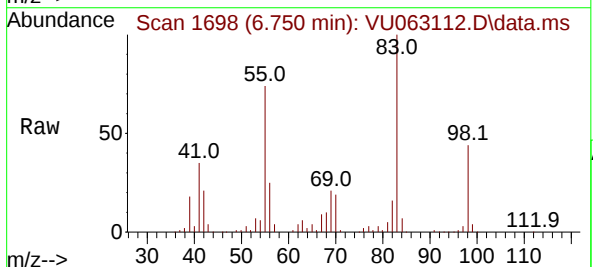
Tgt Ion: 83 Resp: 112873

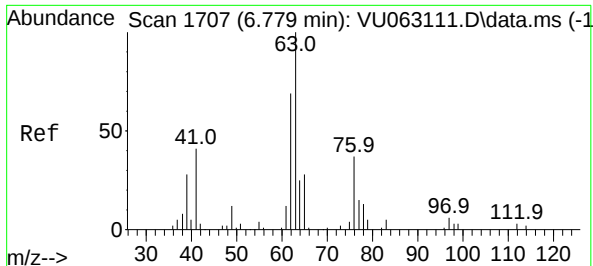
Ion Ratio Lower Upper

83 100

55 72.4 59.4 89.0

98 45.0 35.8 53.8

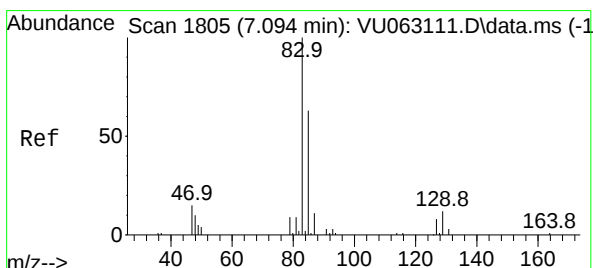
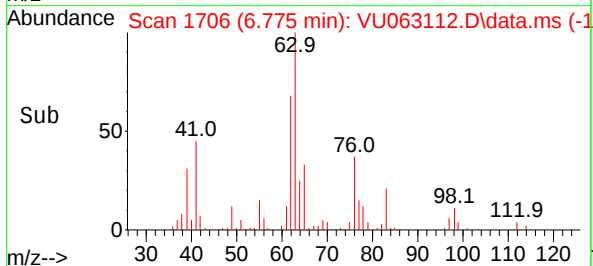
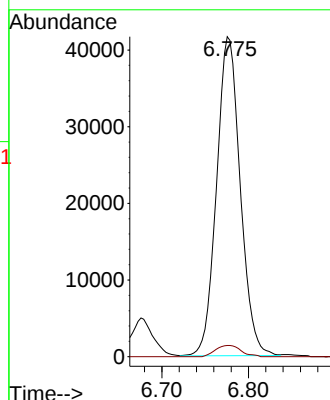
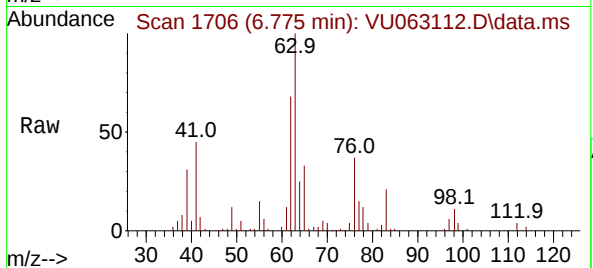




#37  
1,2-Dichloropropane  
Concen: 13.862 ug/L  
RT: 6.775 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

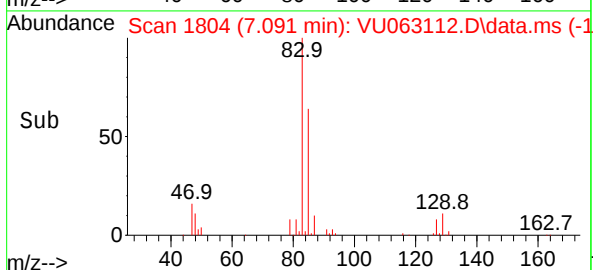
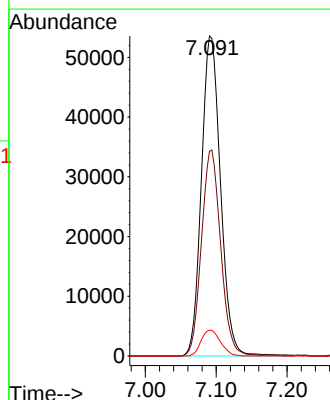
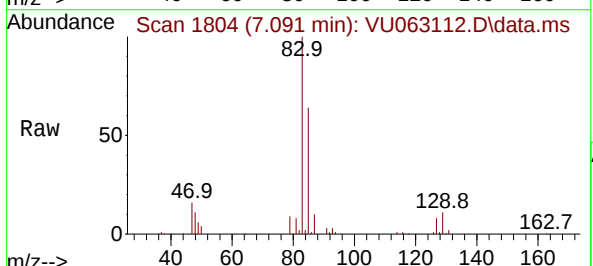
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

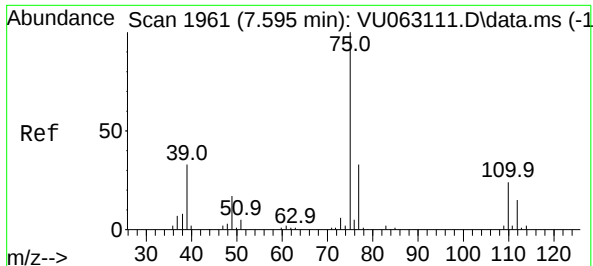
Tgt Ion: 63 Resp: 79090  
Ion Ratio Lower Upper  
63 100  
112 3.8 2.7 4.1



#38  
Bromodichloromethane  
Concen: 9.932 ug/L  
RT: 7.091 min Scan# 1804  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 83 Resp: 100344  
Ion Ratio Lower Upper  
83 100  
85 63.9 44.0 81.8  
127 8.0 6.1 9.1

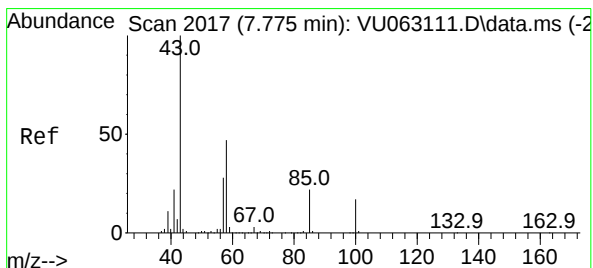
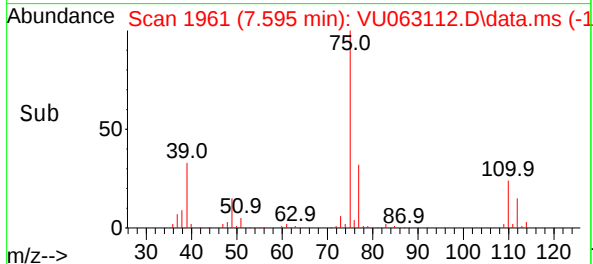
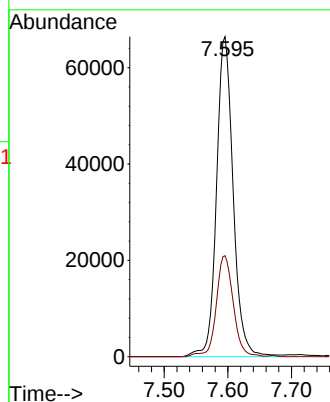
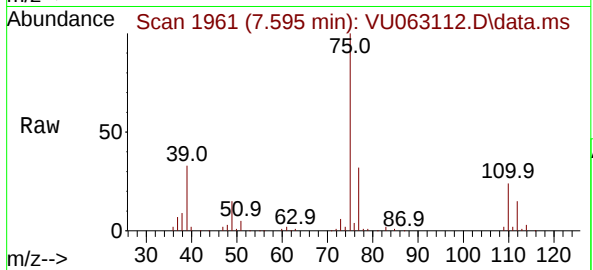




#39  
 cis-1,3-Dichloropropene  
 Concen: 12.107 ug/L  
 RT: 7.595 min Scan# 1961  
 Delta R.T. 0.000 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

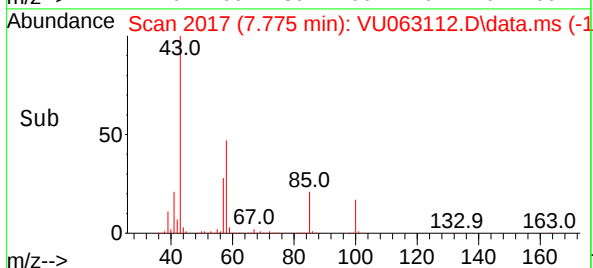
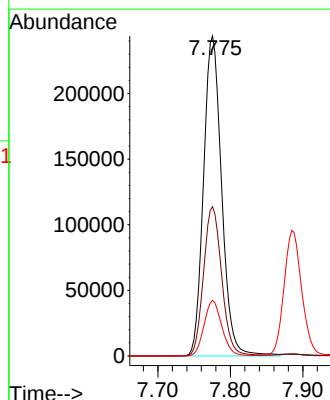
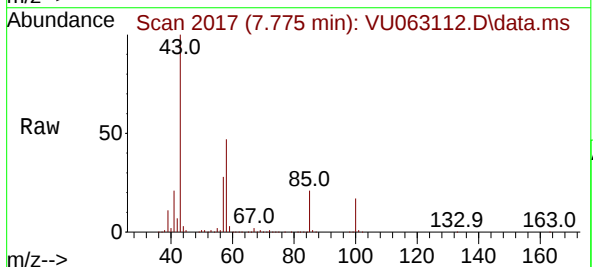
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010077

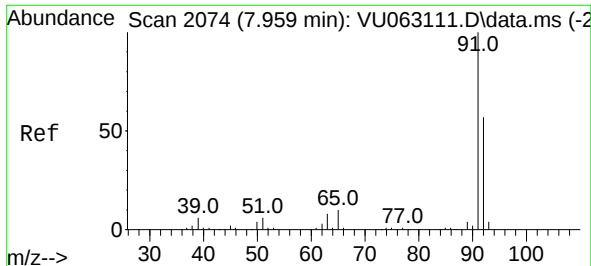
Tgt Ion: 75 Resp: 120783  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 22.9 42.5



#40  
 4-Methyl-2-pentanone  
 Concen: 151.967 ug/L  
 RT: 7.775 min Scan# 2017  
 Delta R.T. 0.000 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

Tgt Ion: 43 Resp: 423586  
 Ion Ratio Lower Upper  
 43 100  
 58 46.8 37.7 56.5  
 100 17.1 13.7 20.5





#42

Toluene

Concen: 11.688 ug/L

RT: 7.955 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

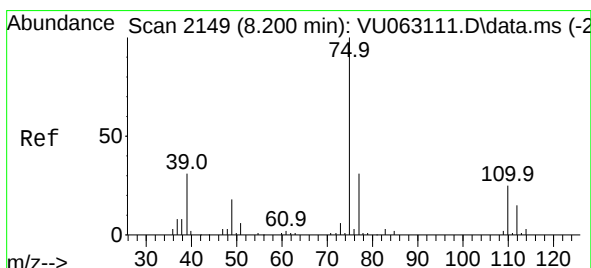
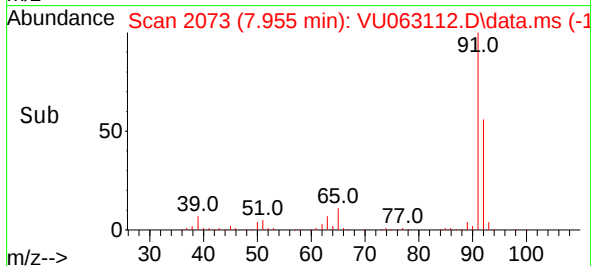
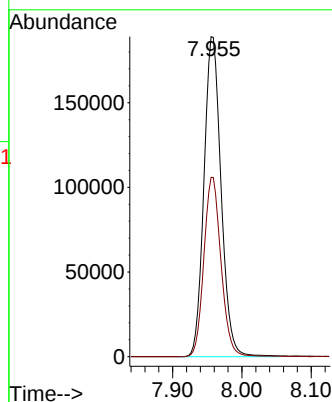
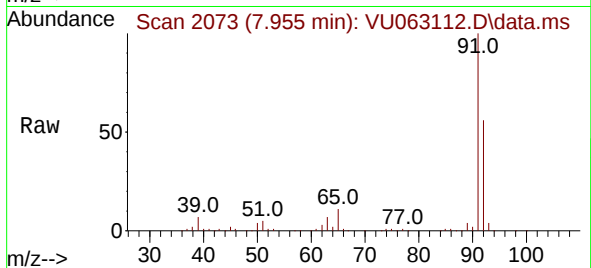
VSTD010077

Tgt Ion: 91 Resp: 324816

Ion Ratio Lower Upper

91 100

92 56.0 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 11.440 ug/L

RT: 8.197 min Scan# 2148

Delta R.T. -0.003 min

Lab File: VU063112.D

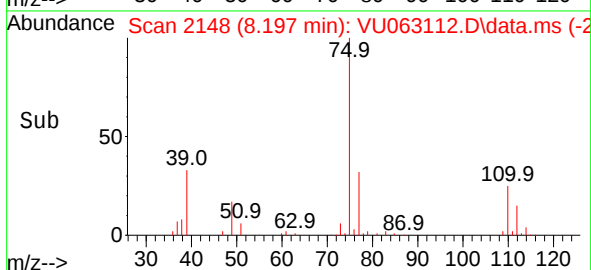
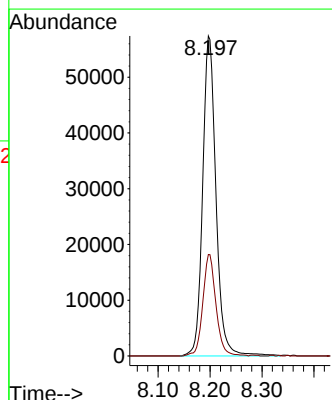
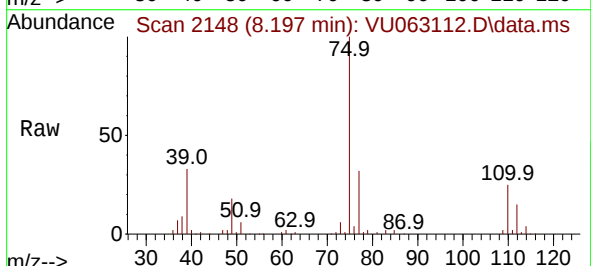
Acq: 03 Feb 2025 11:14

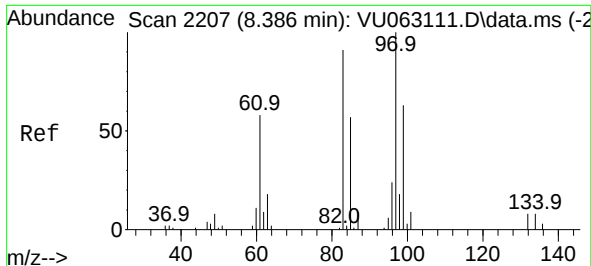
Tgt Ion: 75 Resp: 101941

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 11.802 ug/L

RT: 8.386 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

Tgt Ion: 97 Resp: 59352

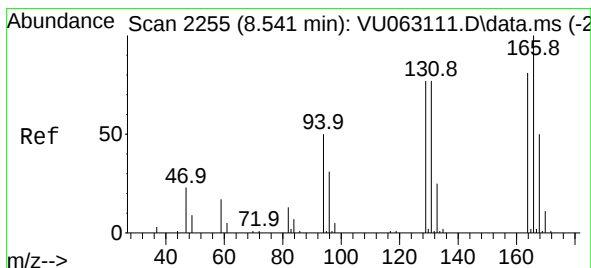
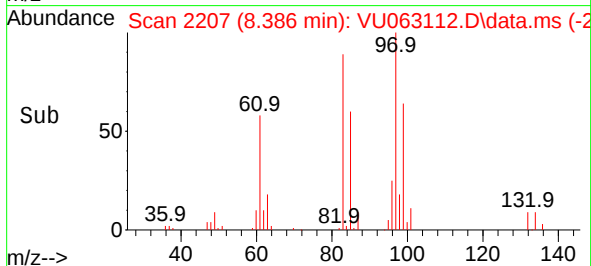
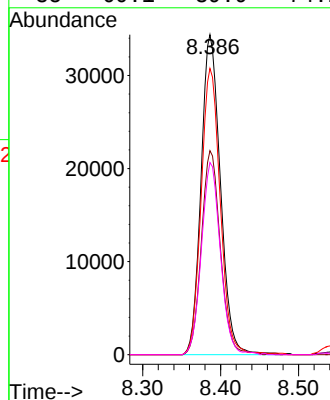
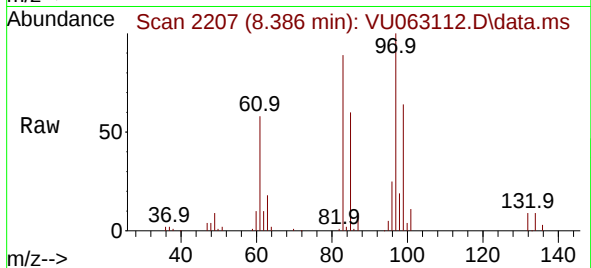
Ion Ratio Lower Upper

97 100

99 63.8 43.9 81.5

83 89.5 63.4 117.8

85 60.1 39.9 74.1



#47

Tetrachloroethene

Concen: 8.669 ug/L

RT: 8.541 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Tgt Ion:164 Resp: 54638

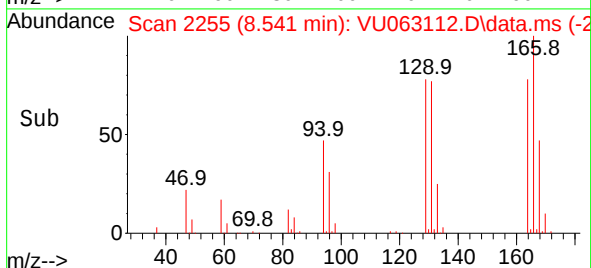
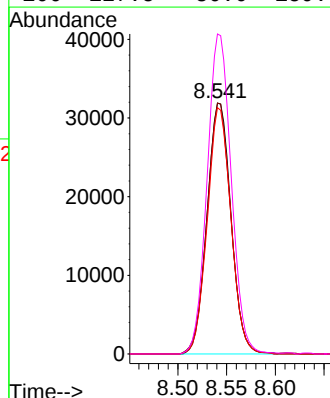
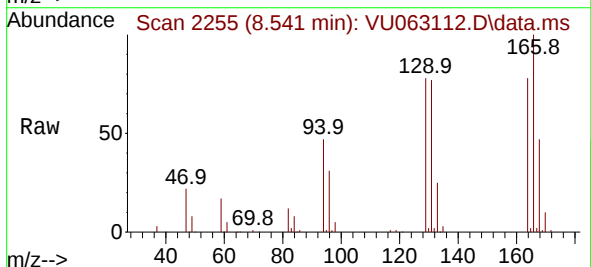
Ion Ratio Lower Upper

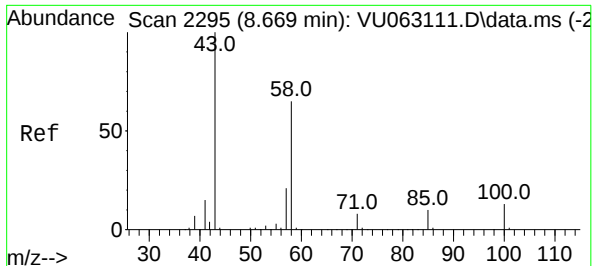
164 100

129 100.0 66.2 123.0

131 98.2 66.4 123.4

166 127.5 86.0 159.8





#48

2-Hexanone

Concen: 153.398 ug/L

RT: 8.669 min Scan# 2295

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

Tgt Ion: 43 Resp: 298574

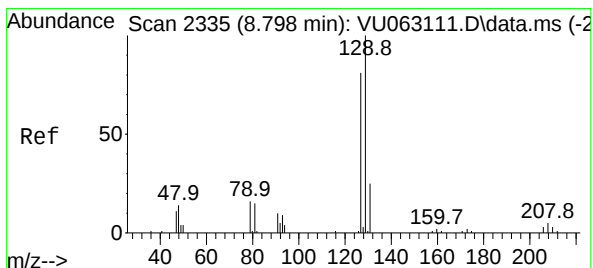
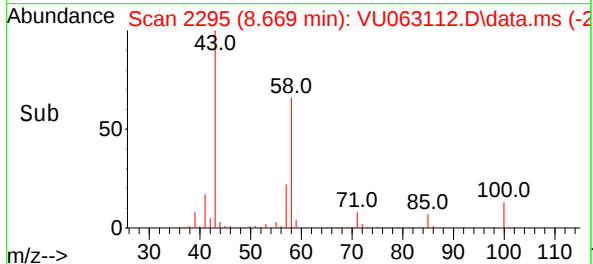
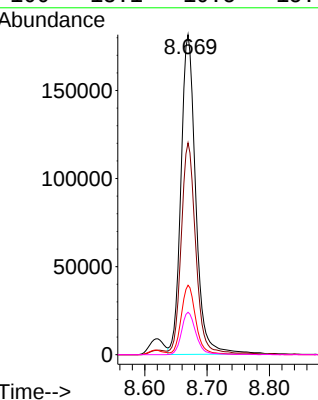
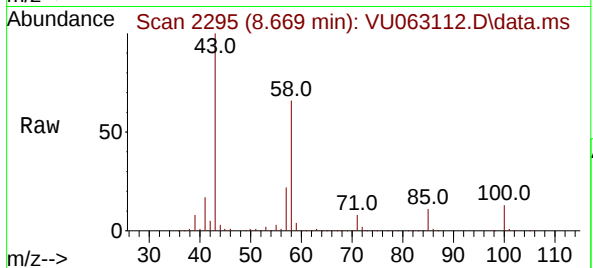
Ion Ratio Lower Upper

43 100

58 64.0 50.0 75.0

57 21.2 16.6 24.8

100 13.1 10.5 15.7



#49

Dibromochloromethane

Concen: 9.266 ug/L

RT: 8.798 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VU063112.D

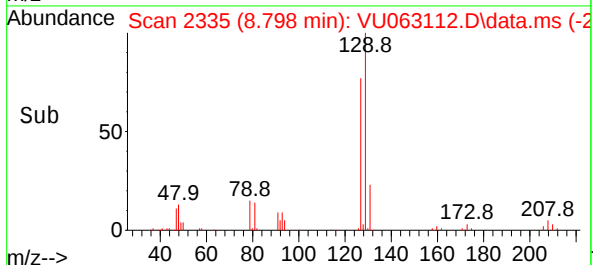
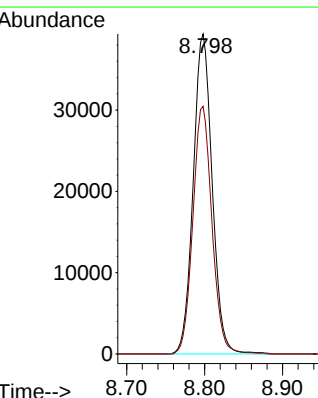
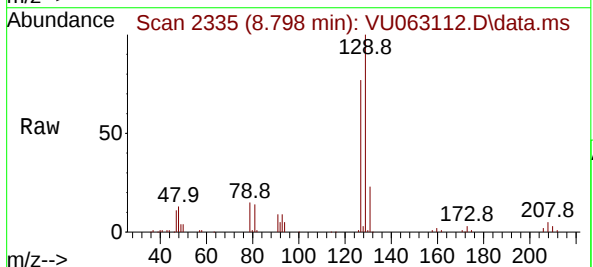
Acq: 03 Feb 2025 11:14

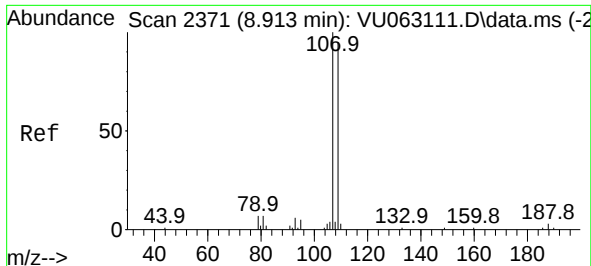
Tgt Ion:129 Resp: 66461

Ion Ratio Lower Upper

129 100

127 77.4 56.8 105.4





#50

1,2-Dibromoethane

Concen: 11.523 ug/L

RT: 8.910 min Scan# 2371

Delta R.T. -0.003 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

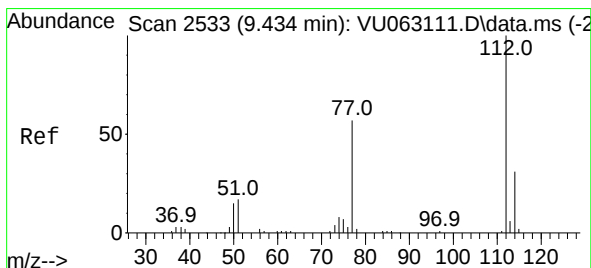
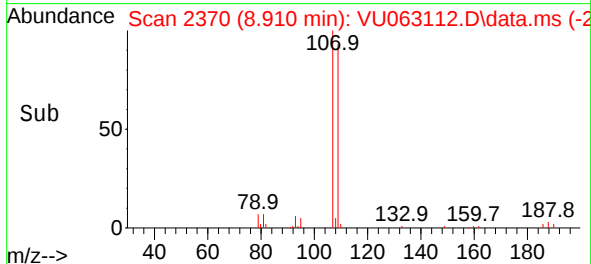
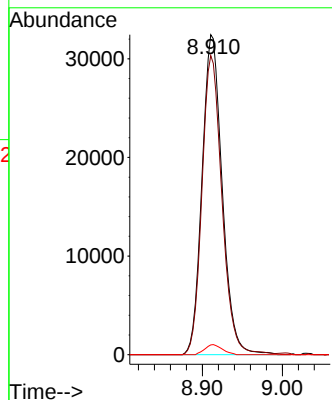
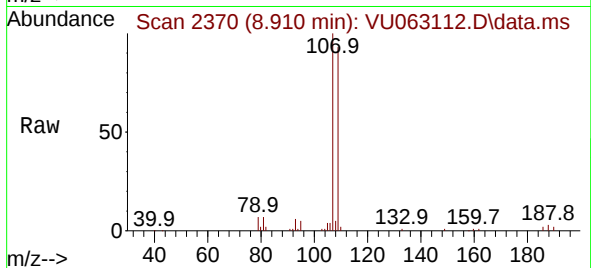
Tgt Ion:107 Resp: 56841

Ion Ratio Lower Upper

107 100

109 93.4 66.3 123.1

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 10.417 ug/L

RT: 9.435 min Scan# 2533

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

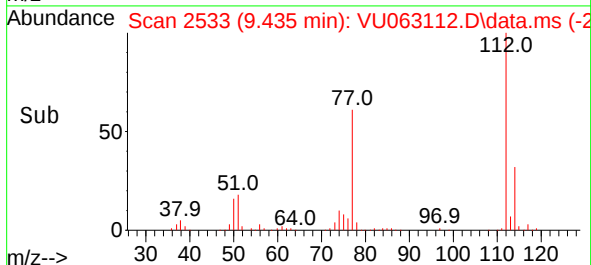
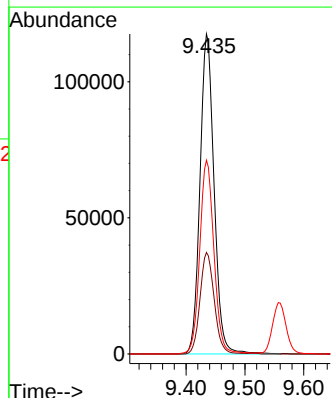
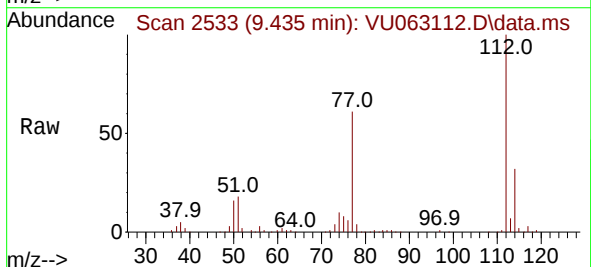
Tgt Ion:112 Resp: 195535

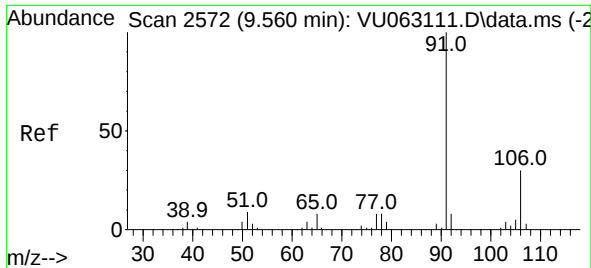
Ion Ratio Lower Upper

112 100

114 31.7 21.6 40.2

77 60.6 45.8 68.8

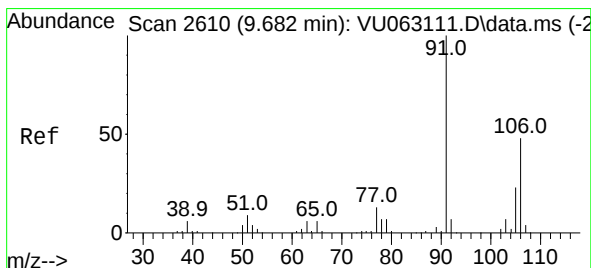
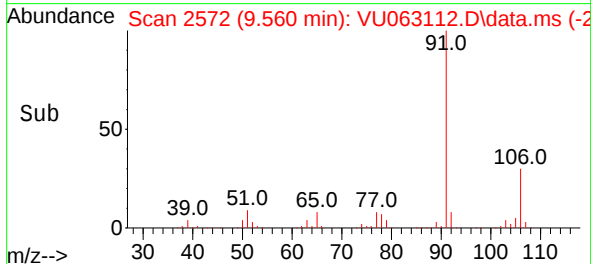
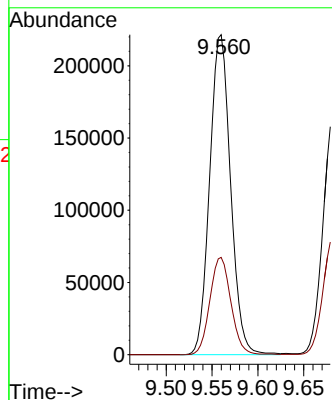
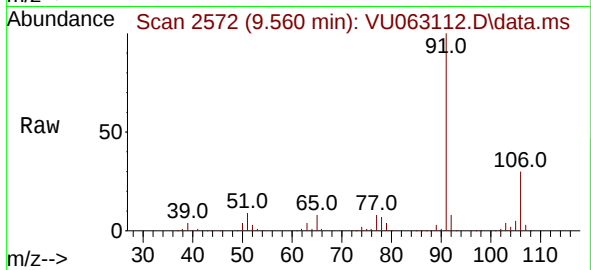




#52  
Ethylbenzene  
Concen: 11.077 ug/L  
RT: 9.560 min Scan# 2572  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

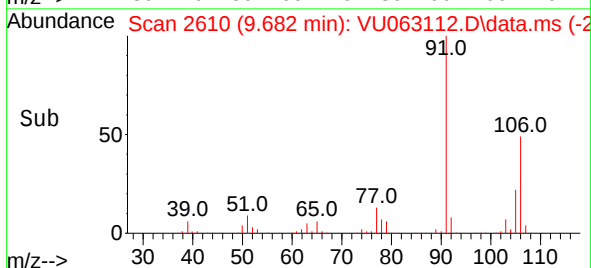
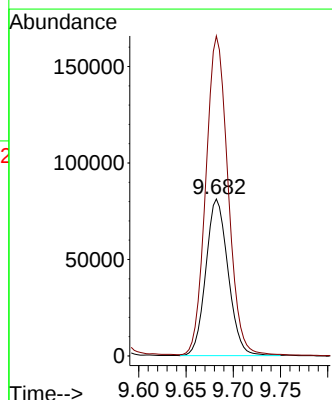
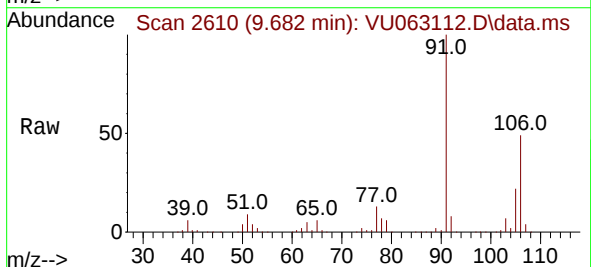
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

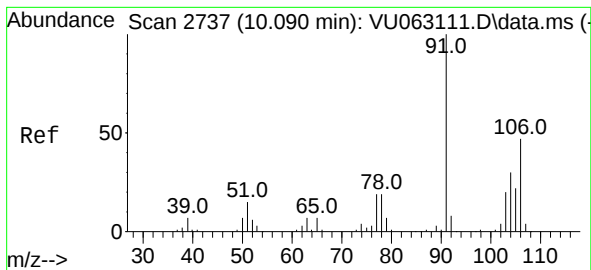
Tgt Ion: 91 Resp: 351276  
Ion Ratio Lower Upper  
91 100  
106 30.4 21.1 39.3



#53  
m,p-Xylene  
Concen: 11.013 ug/L  
RT: 9.682 min Scan# 2610  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion:106 Resp: 132733  
Ion Ratio Lower Upper  
106 100  
91 203.8 147.7 274.3





#54

o-Xylene

Concen: 11.451 ug/L

RT: 10.087 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

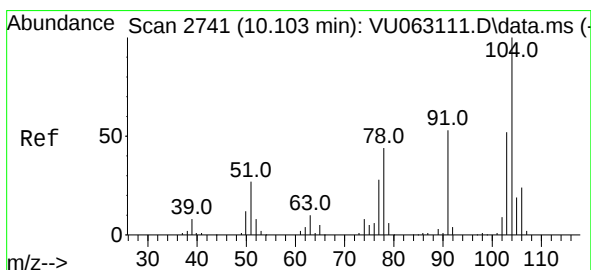
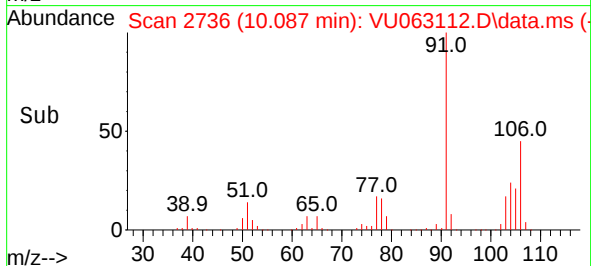
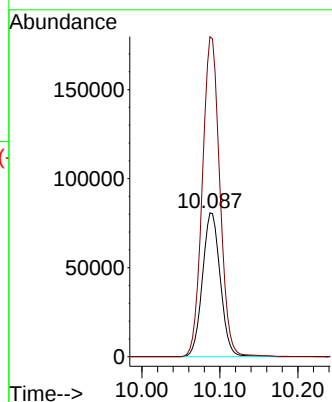
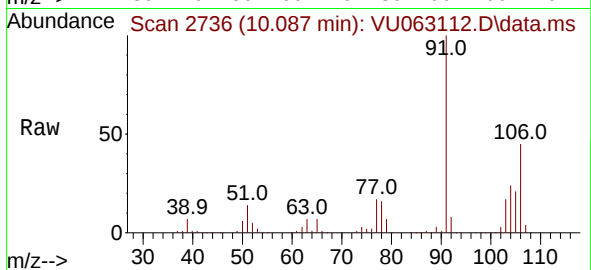
VSTD010077

Tgt Ion:106 Resp: 128167

Ion Ratio Lower Upper

106 100

91 222.4 149.9 278.5



#55

Styrene

Concen: 11.630 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.000 min

Lab File: VU063112.D

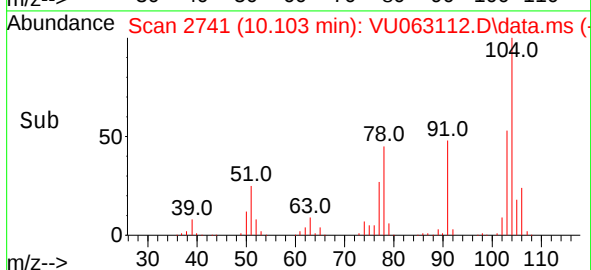
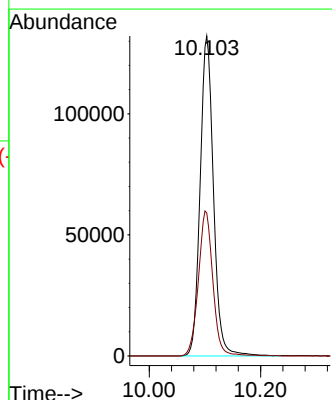
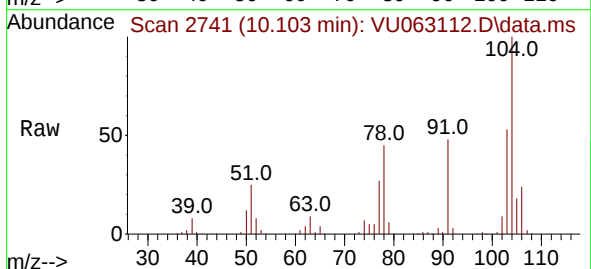
Acq: 03 Feb 2025 11:14

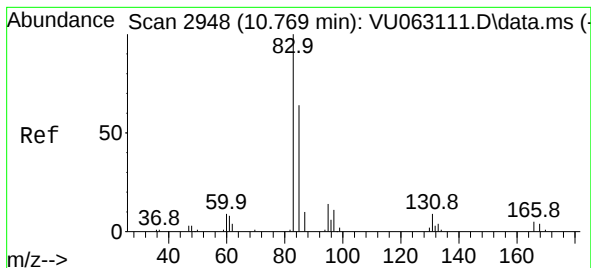
Tgt Ion:104 Resp: 219884

Ion Ratio Lower Upper

104 100

78 44.7 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 13.251 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

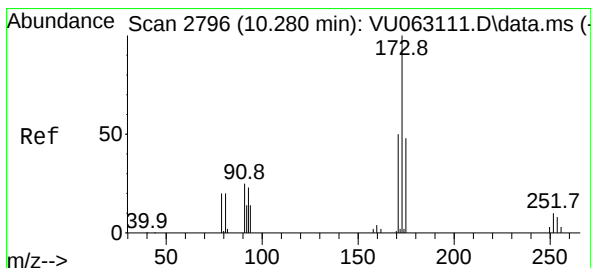
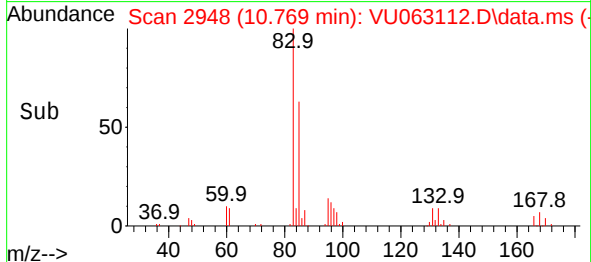
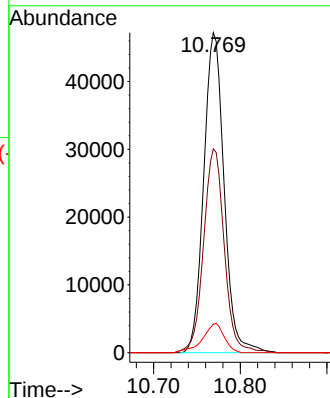
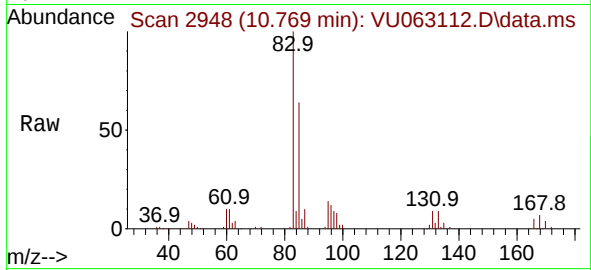
Tgt Ion: 83 Resp: 77003

Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

131 8.9 7.4 11.0



#59

Bromoform

Concen: 9.662 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

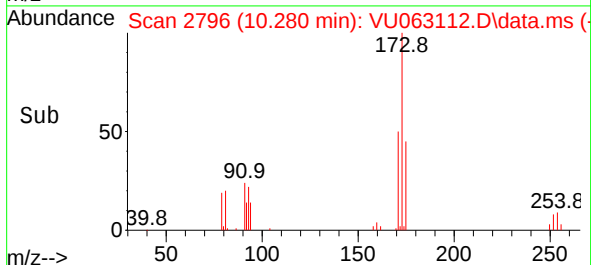
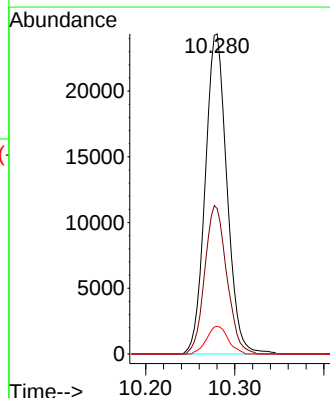
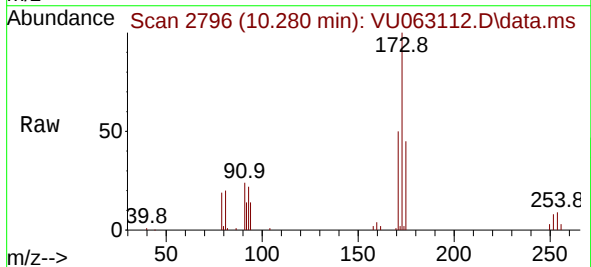
Tgt Ion:173 Resp: 41148

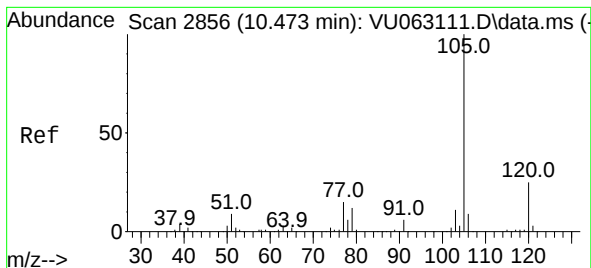
Ion Ratio Lower Upper

173 100

175 46.9 38.6 58.0

254 8.6 6.5 9.7





#60

Isopropylbenzene

Concen: 11.550 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

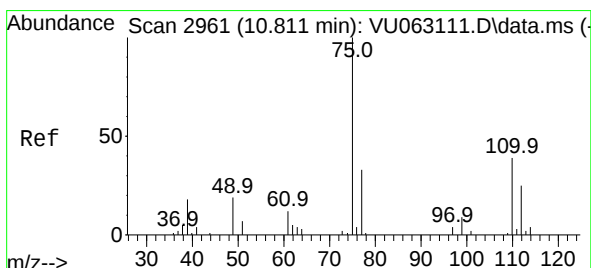
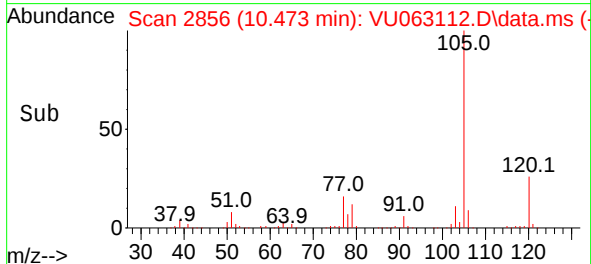
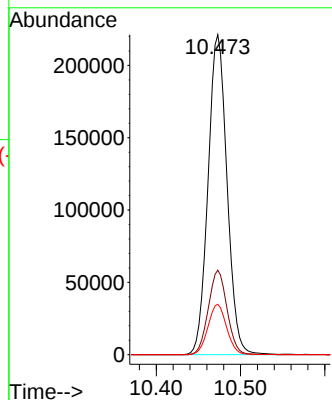
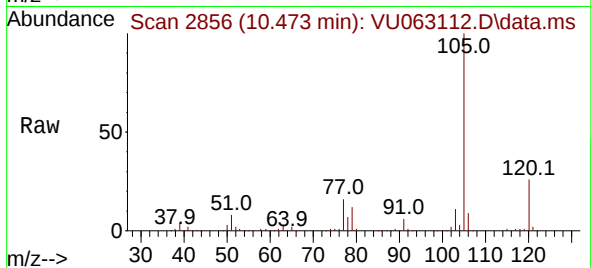
Tgt Ion:105 Resp: 346558

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

77 15.6 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 12.804 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

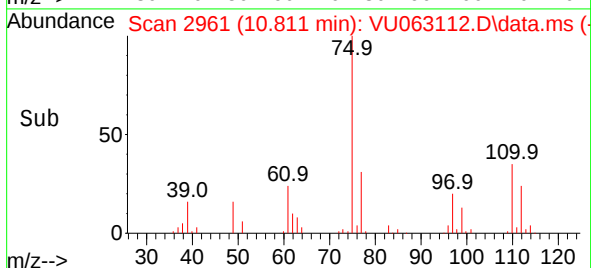
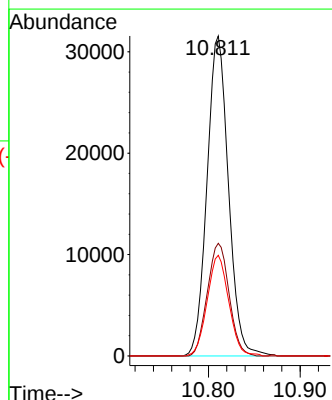
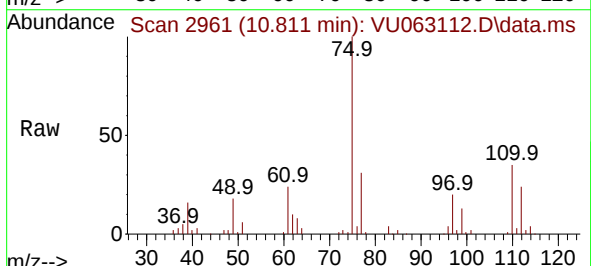
Tgt Ion: 75 Resp: 51252

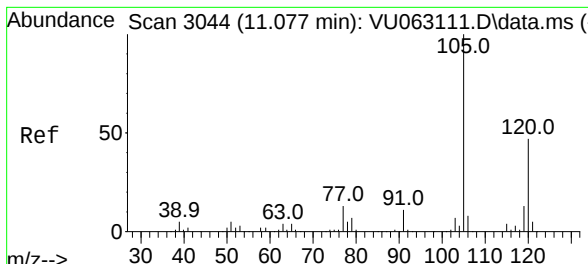
Ion Ratio Lower Upper

75 100

110 35.7 30.0 45.0

77 31.6 26.3 39.5

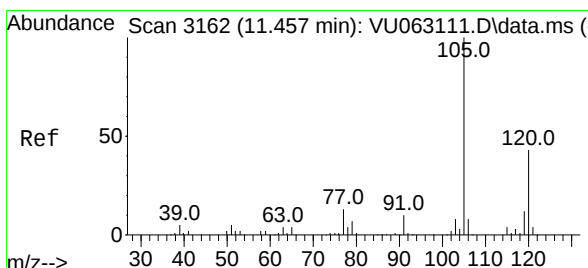
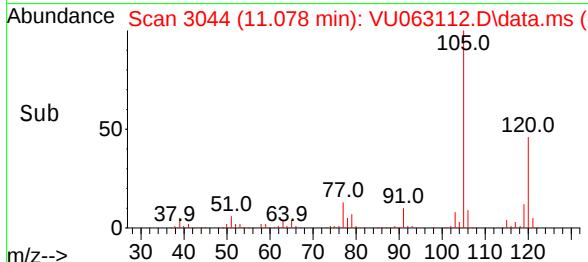
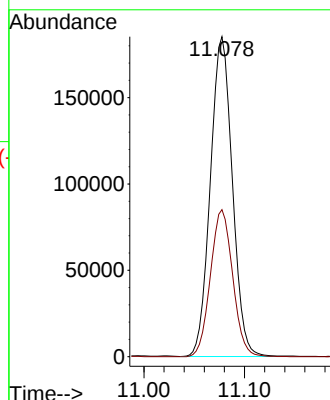
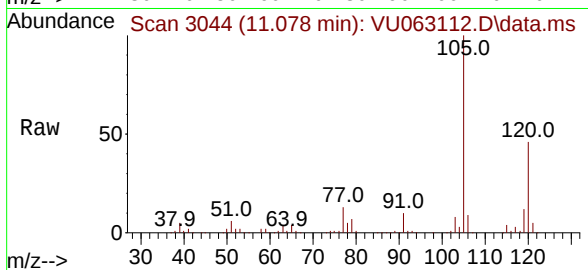




#62  
 1,3,5-Trimethylbenzene  
 Concen: 10.933 ug/L  
 RT: 11.078 min Scan# 3044  
 Delta R.T. 0.000 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

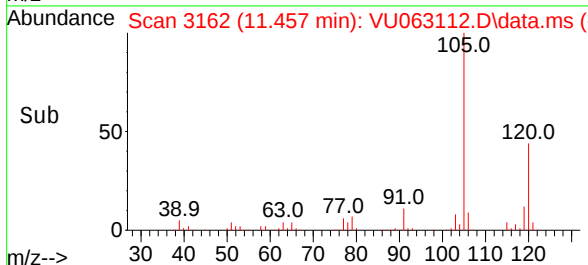
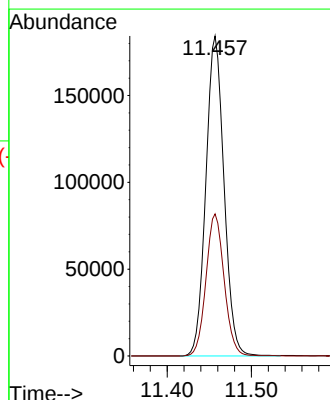
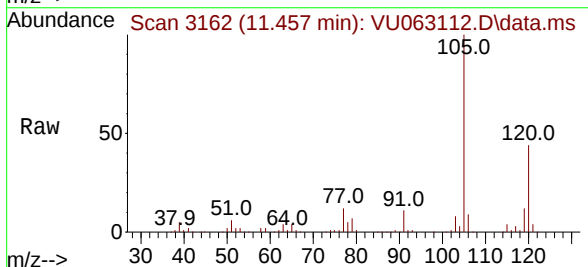
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010077

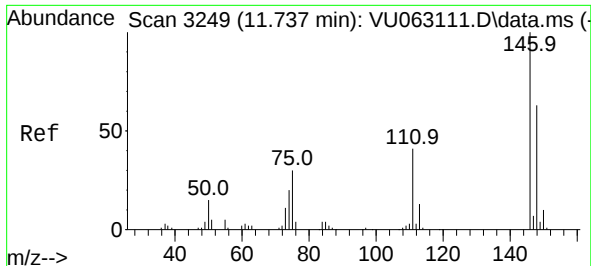
Tgt Ion:105 Resp: 281586  
 Ion Ratio Lower Upper  
 105 100  
 120 46.5 37.3 55.9



#63  
 1,2,4-Trimethylbenzene  
 Concen: 11.381 ug/L  
 RT: 11.457 min Scan# 3162  
 Delta R.T. 0.000 min  
 Lab File: VU063112.D  
 Acq: 03 Feb 2025 11:14

Tgt Ion:105 Resp: 276736  
 Ion Ratio Lower Upper  
 105 100  
 120 44.4 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 10.344 ug/L

RT: 11.733 min Scan# 3249

Delta R.T. -0.003 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

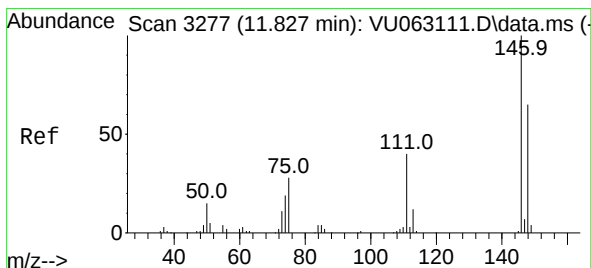
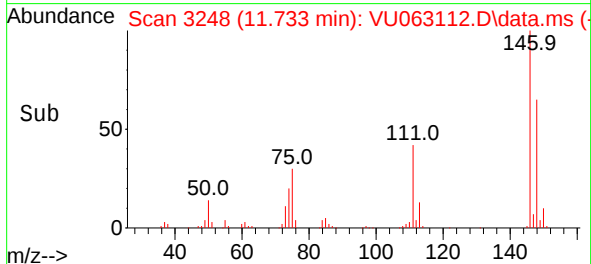
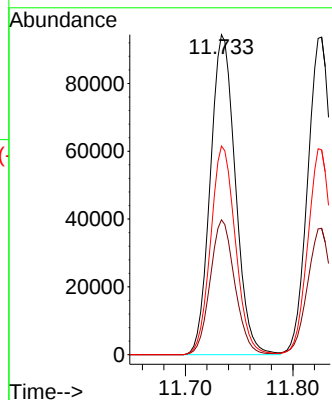
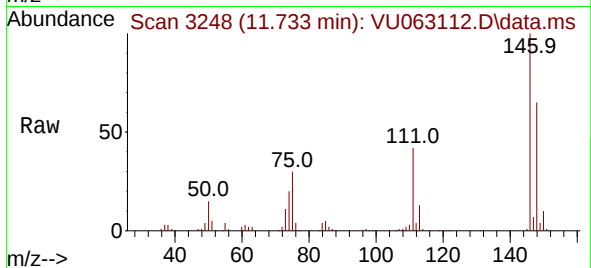
Tgt Ion:146 Resp: 152992

Ion Ratio Lower Upper

146 100

111 42.1 28.6 53.0

148 65.2 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 10.294 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

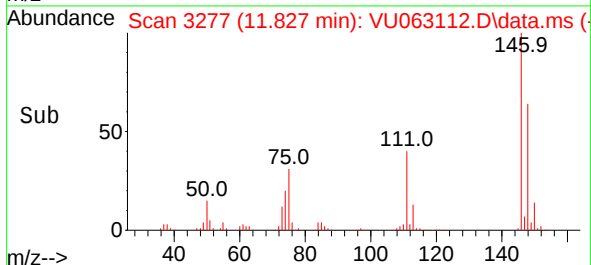
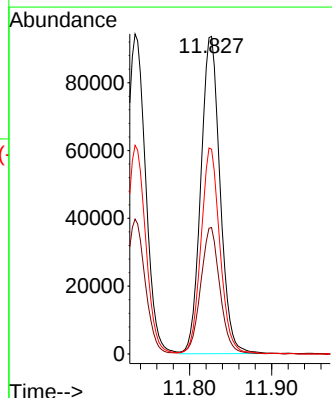
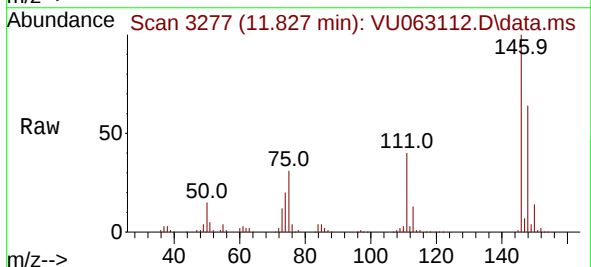
Tgt Ion:146 Resp: 152186

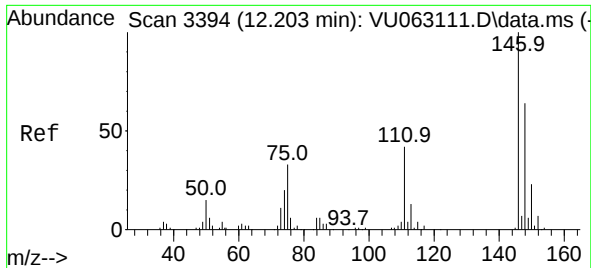
Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.1

148 64.4 45.4 84.2

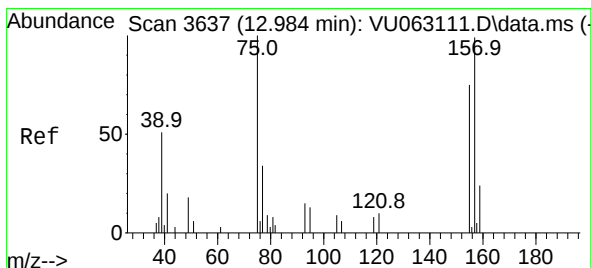
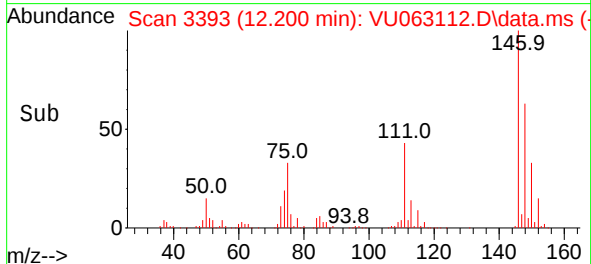
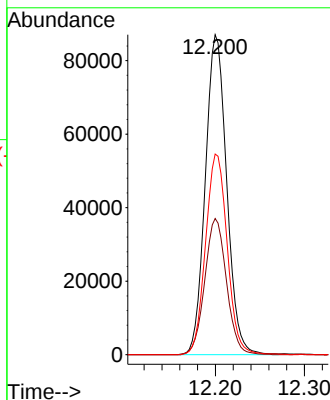
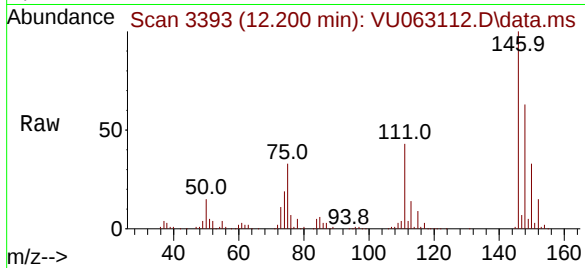




#67  
1,2-Dichlorobenzene  
Concen: 10.387 ug/L  
RT: 12.200 min Scan# 3394  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

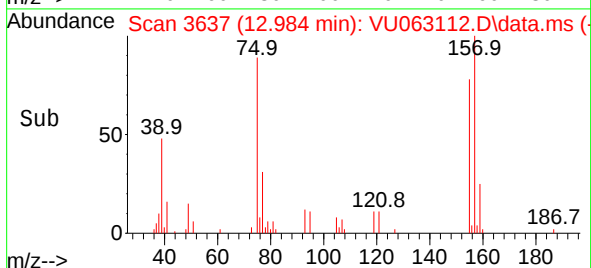
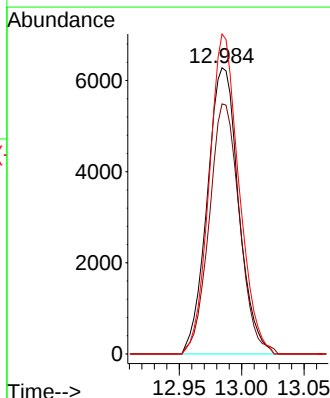
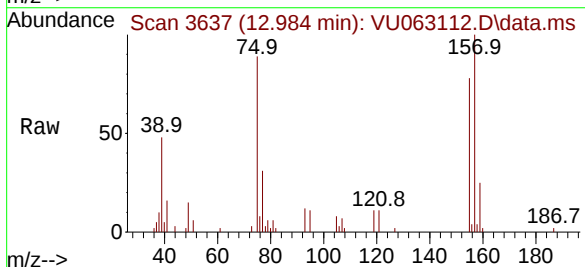
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077

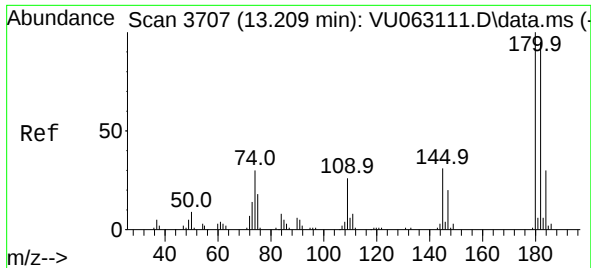
Tgt Ion:146 Resp: 145160  
Ion Ratio Lower Upper  
146 100  
111 42.6 33.8 50.8  
148 62.7 51.5 77.3



#68  
1,2-Dibromo-3-chloropropane  
Concen: 11.015 ug/L  
RT: 12.984 min Scan# 3637  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion: 75 Resp: 10988  
Ion Ratio Lower Upper  
75 100  
155 87.3 59.9 89.9  
157 111.8 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 9.511 ug/L

RT: 13.209 min Scan# 3707

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010077

Tgt Ion:180 Resp: 108953

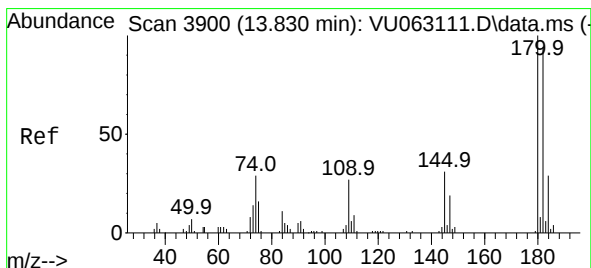
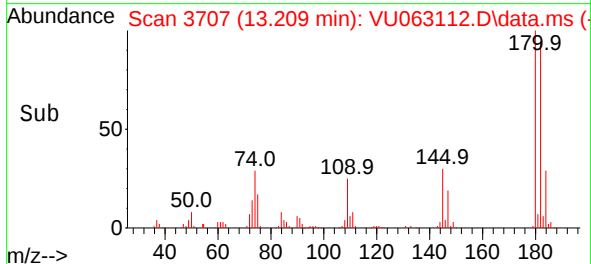
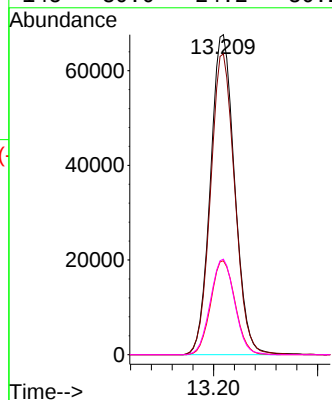
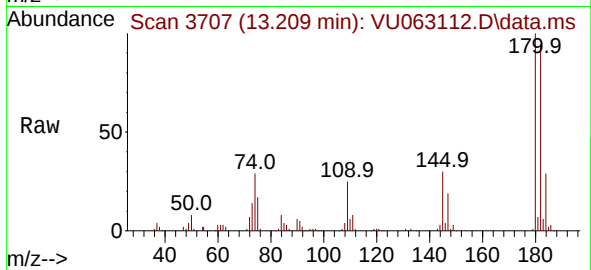
Ion Ratio Lower Upper

180 100

182 94.4 77.8 116.8

184 29.6 24.6 37.0

145 30.0 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 7.004 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. 0.000 min

Lab File: VU063112.D

Acq: 03 Feb 2025 11:14

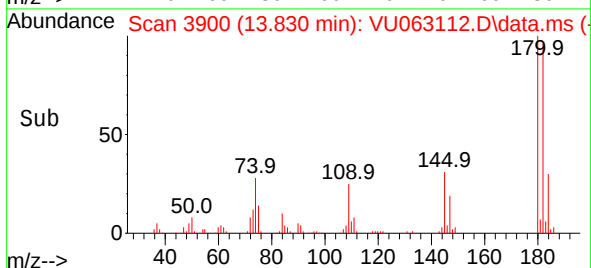
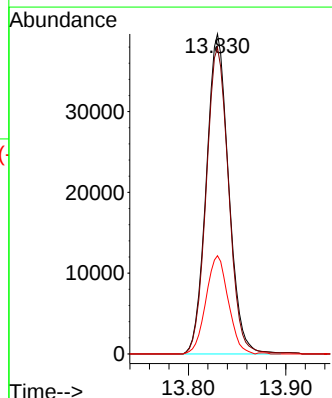
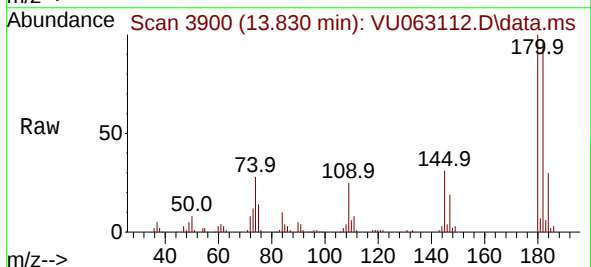
Tgt Ion:180 Resp: 63302

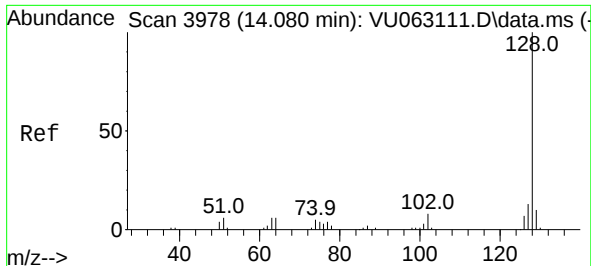
Ion Ratio Lower Upper

180 100

182 95.5 74.4 111.6

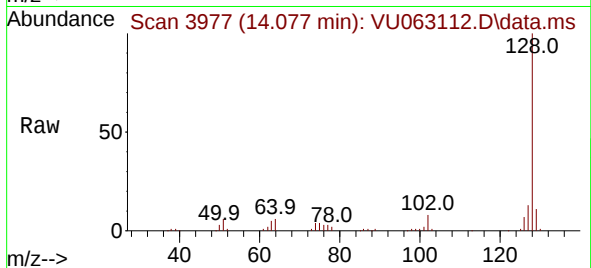
145 30.5 25.1 37.7



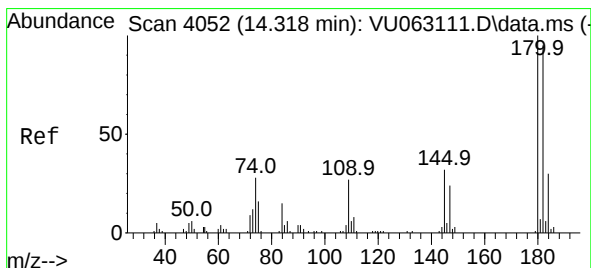
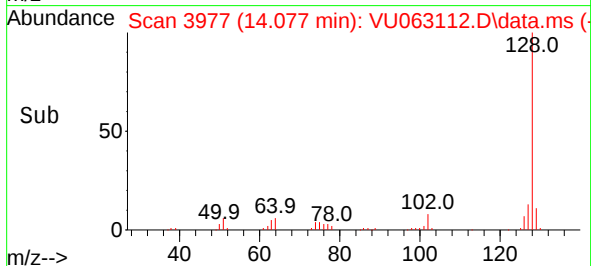
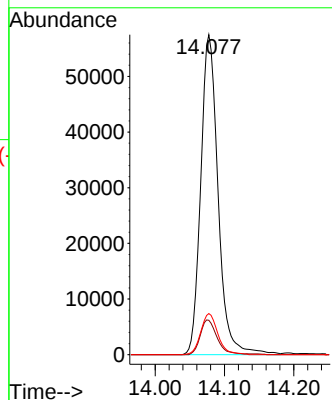


#71  
Naphthalene  
Concen: 8.295 ug/L  
RT: 14.077 min Scan# 3977  
Delta R.T. -0.003 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010077



Tgt Ion:128 Resp: 100231  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.2 12.2  
127 12.7 10.5 15.7



#72  
1,2,3-Trichlorobenzene  
Concen: 7.143 ug/L  
RT: 14.319 min Scan# 4052  
Delta R.T. 0.000 min  
Lab File: VU063112.D  
Acq: 03 Feb 2025 11:14

Tgt Ion:180 Resp: 55978  
Ion Ratio Lower Upper  
180 100  
182 96.5 77.0 115.6  
145 31.2 25.6 38.4

