

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111324\  
 Data File : VU061641.D  
 Acq On : 13 Nov 2024 22:34  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 14 01:36:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 14 00:27:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.241  | 114   | 196597   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.408  | 117   | 184385   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 89743    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 60102    | 4.732    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.600%  |
| 7) Chloroethane-d5            | 1.910  | 69    | 55457    | 5.114    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 102.200% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 26892    | 4.719    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 94.400%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 136851   | 50.759   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.520% |
| 24) Chloroform-d              | 5.052  | 84    | 125148   | 4.957    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 59621    | 4.921    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.400%  |
| 32) Benzene-d6                | 5.717  | 84    | 253644   | 4.972    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 75530    | 5.020    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.400% |
| 41) Toluene-d8                | 7.888  | 98    | 236075   | 4.965    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.400%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 27092    | 4.889    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.800%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 118545   | 54.134   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 108.260% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 60765    | 5.123    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152   | 79758    | 4.990    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 71981    | 4.926    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 65655    | 4.953    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.602  | 62    | 74535    | 5.095    | ug/L   | 98       |
| 6) Bromomethane               | 1.856  | 94    | 46461    | 5.323    | ug/L   | 99       |
| 8) Chloroethane               | 1.930  | 64    | 54821    | 5.402    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 106220   | 4.939    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 63412    | 4.988    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 62061    | 5.229    | ug/L   | 98       |
| 13) Acetone                   | 2.643  | 43    | 82273    | 48.435   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.788  | 76    | 188119   | 4.935    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.952  | 43    | 21079    | 4.967    | ug/L   | 99       |
| 16) Methylene chloride        | 3.039  | 84    | 71967    | 5.262    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 152518   | 5.243    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 67771    | 5.206    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 122993   | 5.182    | ug/L   | 98       |
| 21) 2-Butanone                | 4.705  | 43    | 136280   | 49.125   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 76608    | 5.218    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.965  | 128   | 33922    | 5.202    | ug/L   | 97       |
| 25) Chloroform                | 5.077  | 83    | 130502   | 5.217    | ug/L   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111324\  
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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

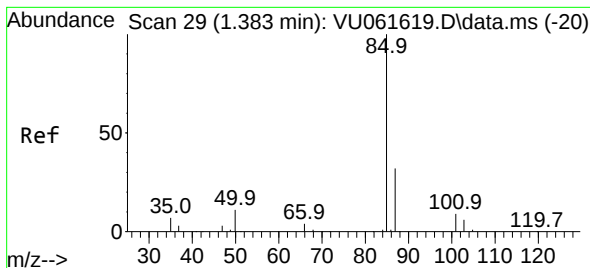
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 14 01:36:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 14 00:27:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 79731    | 5.079  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 109983   | 5.242  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 110072   | 5.252  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.515  | 117  | 92836    | 5.195  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 293160   | 5.253  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 77971    | 5.175  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 115728   | 5.093  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 73831    | 5.215  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 86338    | 5.083  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 104321   | 5.177  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 360744   | 53.144 | ug/L  | 100      |
| 42) Toluene                   | 7.958  | 91   | 318690   | 5.304  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 82218    | 5.144  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 55278    | 5.356  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 58876    | 5.200  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.675  | 43   | 255427   | 52.626 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.801  | 129  | 56206    | 5.194  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.913  | 107  | 51992    | 5.341  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.437  | 112  | 204603   | 5.290  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.563  | 91   | 343559   | 5.368  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 129421   | 5.285  | ug/L  | 97       |
| 54) o-Xylene                  | 10.090 | 106  | 128701   | 5.407  | ug/L  | 97       |
| 55) Styrene                   | 10.106 | 104  | 209757   | 5.535  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 65585    | 5.222  | ug/L  | 97       |
| 59) Bromoform                 | 10.283 | 173  | 30364    | 5.112  | ug/L  | 96       |
| 60) Isopropylbenzene          | 10.476 | 105  | 336768   | 5.411  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 44141    | 5.221  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 271437   | 5.447  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 267193   | 5.509  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.736 | 146  | 151133   | 5.295  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.826 | 146  | 149994   | 5.175  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 140521   | 5.294  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 8068     | 5.465  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 103626   | 5.200  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 85261    | 5.520  | ug/L  | 99       |
| 71) Naphthalene               | 14.080 | 128  | 135885   | 6.128  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.321 | 180  | 75494    | 5.823  | ug/L  | 98       |

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

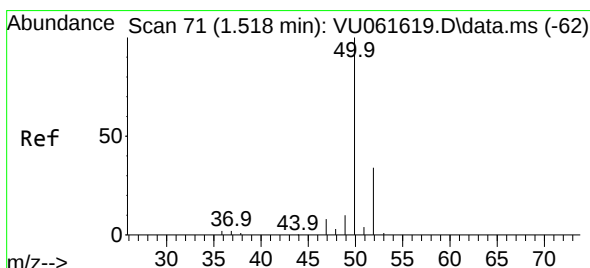
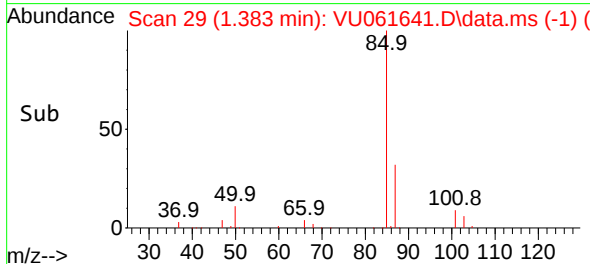
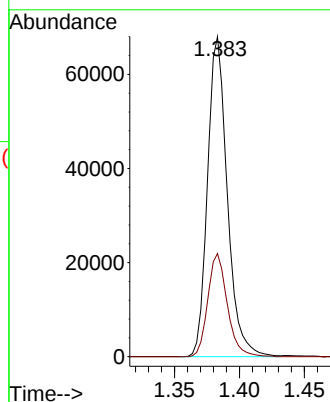
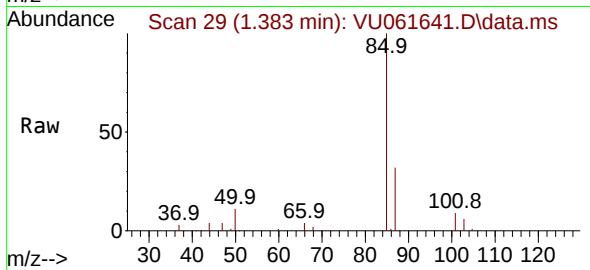




#2  
Dichlorodifluoromethane  
Concen: 4.926 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

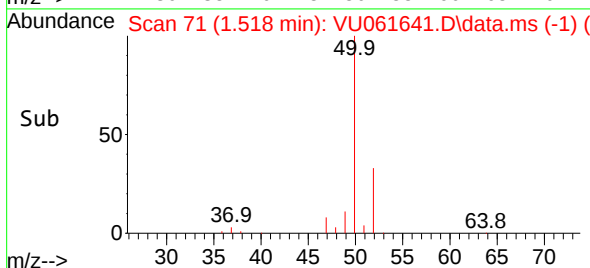
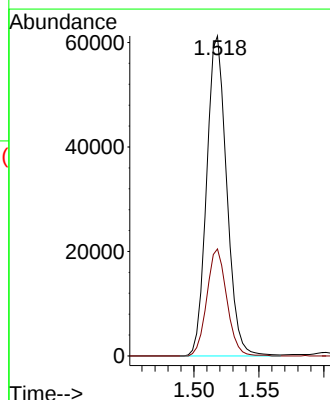
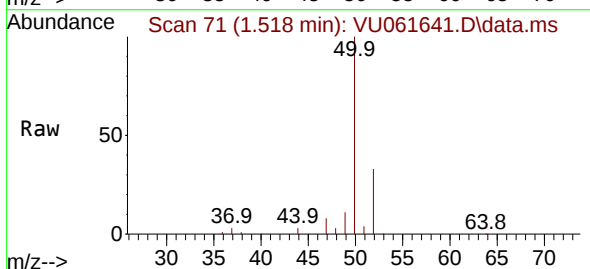
Instrument :  
MSVOA\_U  
ClientSampleId :

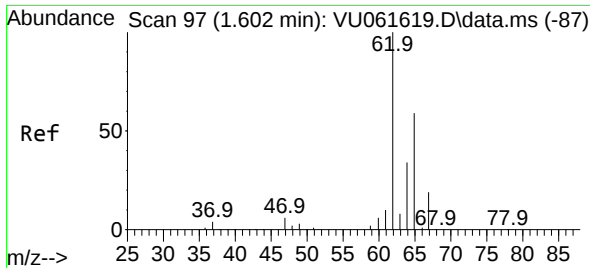
Tgt Ion: 85 Resp: 71981  
Ion Ratio Lower Upper  
85 100  
87 31.8 26.0 39.0



#3  
Chloromethane  
Concen: 4.953 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion: 50 Resp: 65655  
Ion Ratio Lower Upper  
50 100  
52 33.5 23.2 43.2

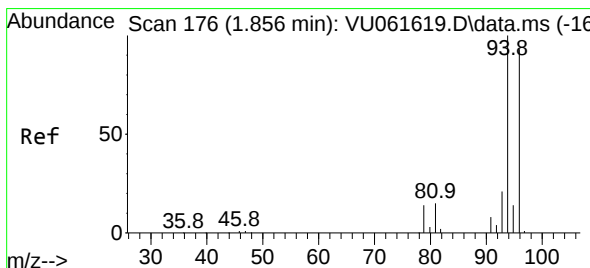
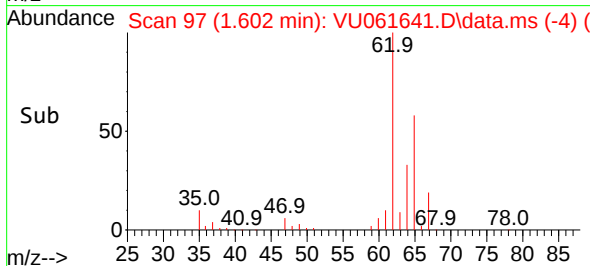
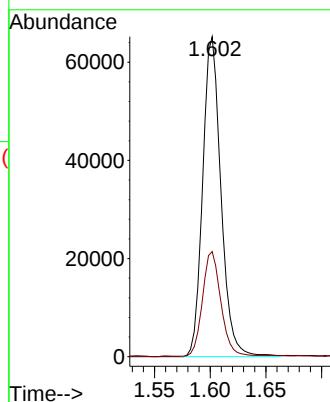
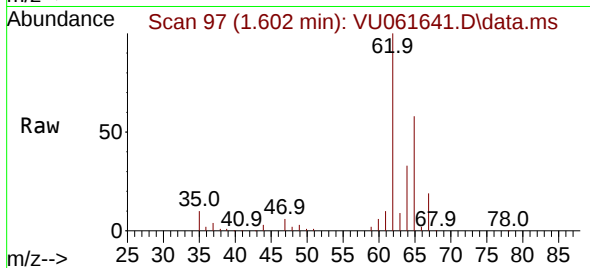




#5  
 Vinyl chloride  
 Concen: 5.095 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34

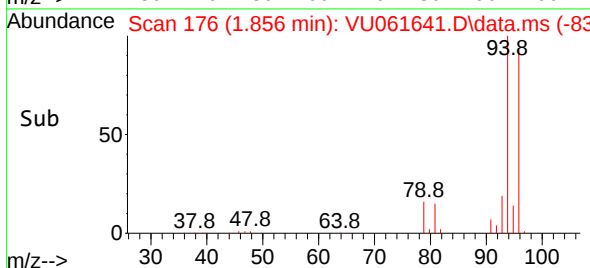
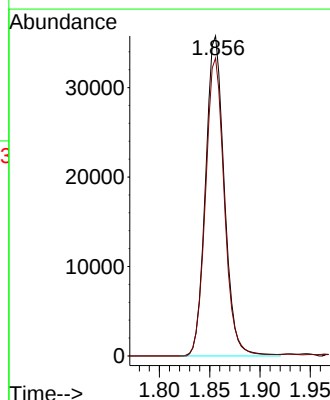
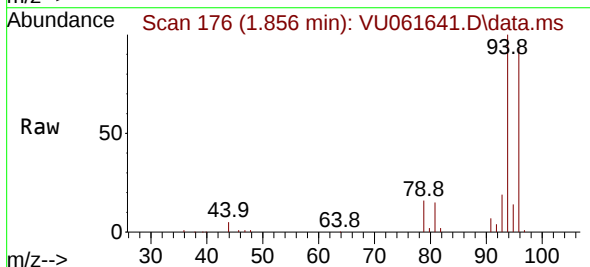
Instrument :  
 MSVOA\_U  
 ClientSampleId :

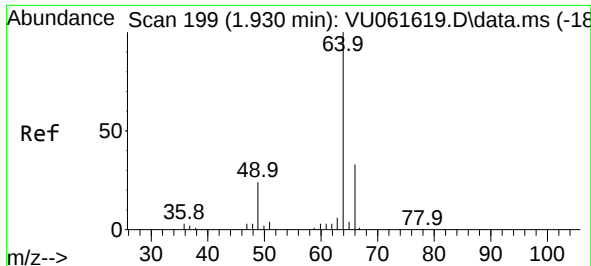
Tgt Ion: 62 Resp: 74535  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 23.7 44.1



#6  
 Bromomethane  
 Concen: 5.323 ug/L  
 RT: 1.856 min Scan# 176  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34

Tgt Ion: 94 Resp: 46461  
 Ion Ratio Lower Upper  
 94 100  
 96 93.1 65.7 121.9





#8

Chloroethane

Concen: 5.402 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

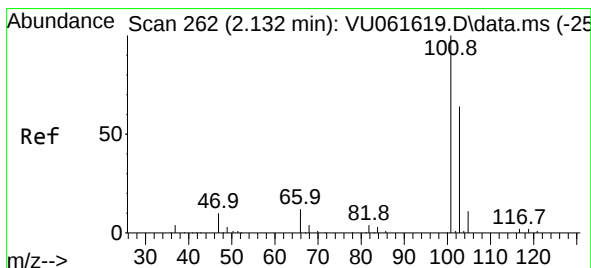
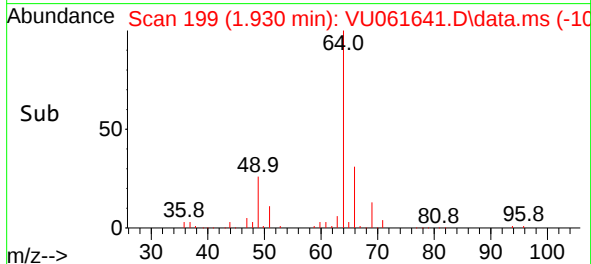
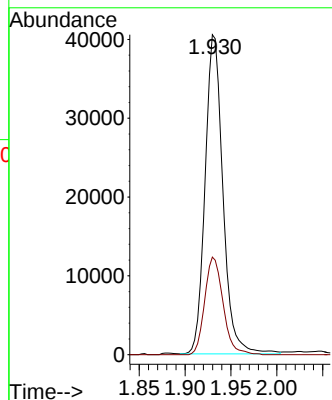
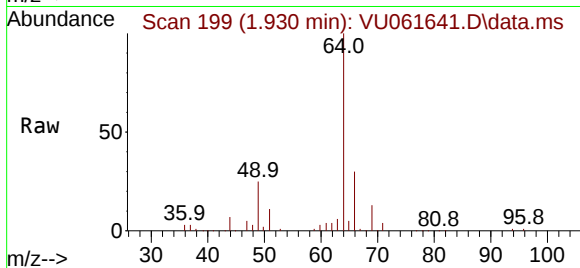
ClientSampleId :

Tgt Ion: 64 Resp: 54821

Ion Ratio Lower Upper

64 100

66 30.5 23.1 42.9



#9

Trichlorofluoromethane

Concen: 4.939 ug/L

RT: 2.132 min Scan# 262

Delta R.T. -0.000 min

Lab File: VU061641.D

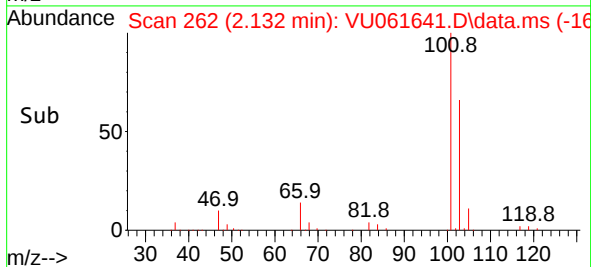
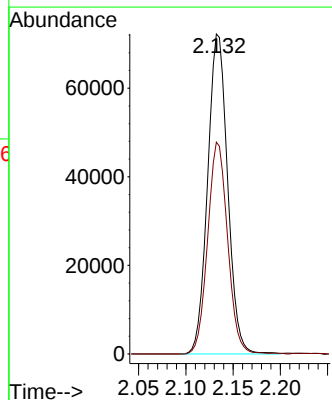
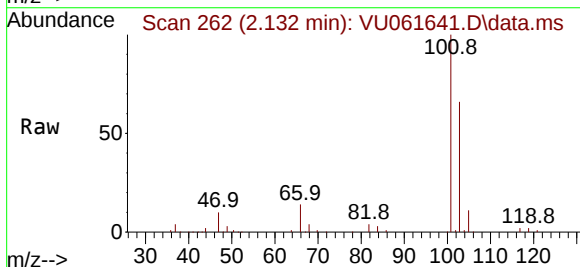
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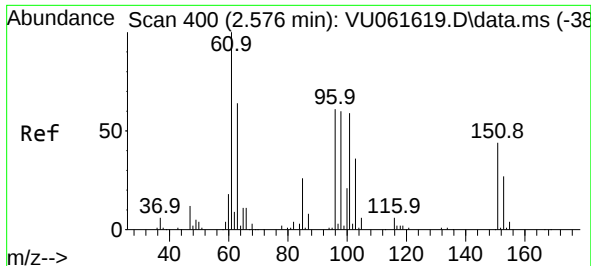
Tgt Ion:101 Resp: 106220

Ion Ratio Lower Upper

101 100

103 66.1 52.2 78.2

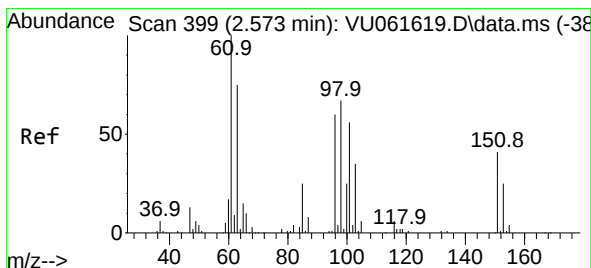
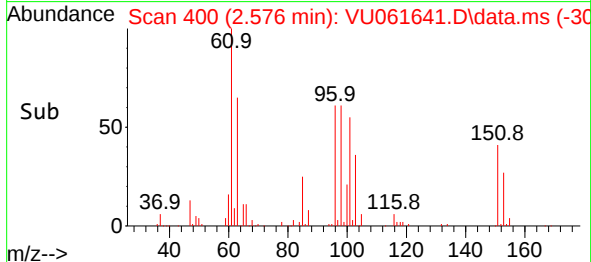
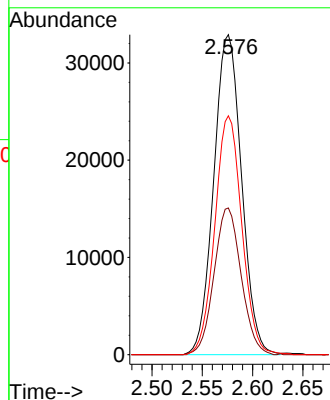
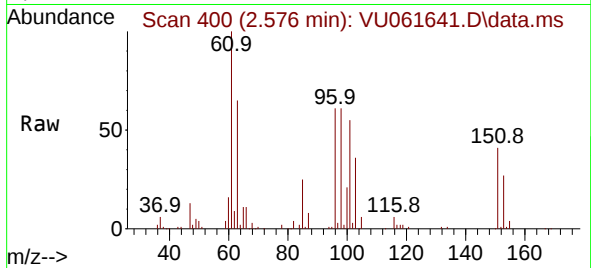




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.988 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34

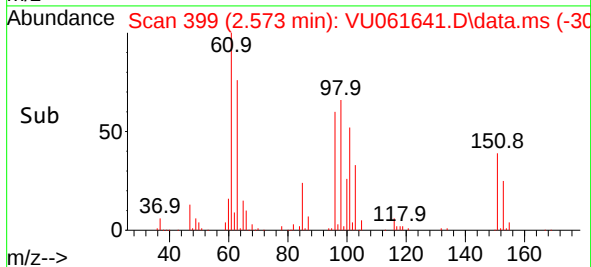
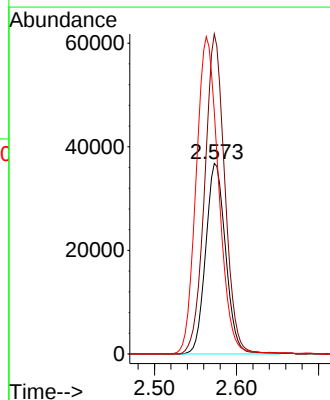
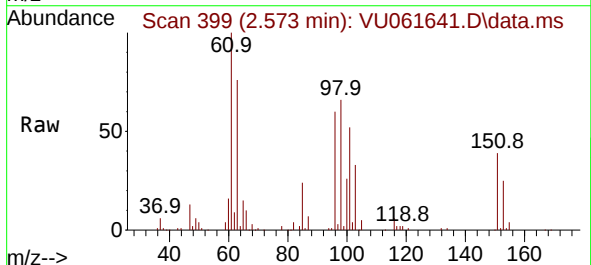
Instrument :  
 MSVOA\_U  
 ClientSampleId :

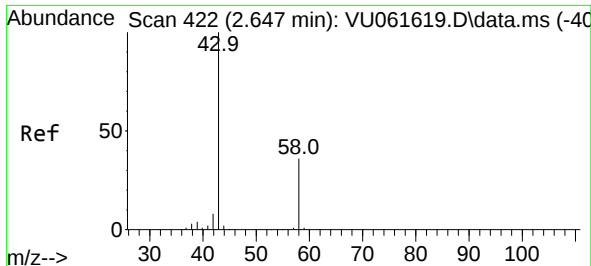
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 Ion Ratio Lower Upper  
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 151 72.5 56.9 85.3



#12  
 1,1-Dichloroethene  
 Concen: 5.229 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34

Tgt Ion: 96 Resp: 62061  
 Ion Ratio Lower Upper  
 96 100  
 61 167.9 116.8 217.0  
 63 127.4 86.1 159.9





#13

Acetone

Concen: 48.435 ug/L

RT: 2.643 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

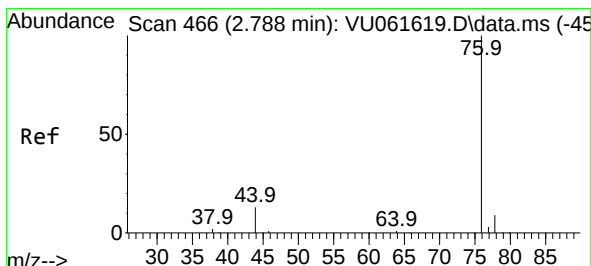
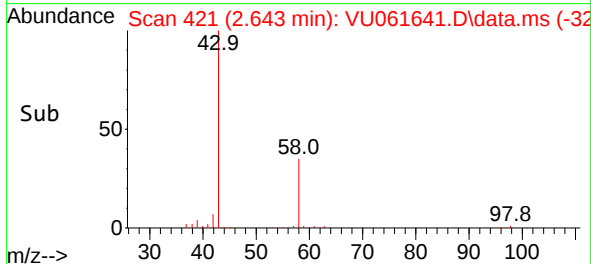
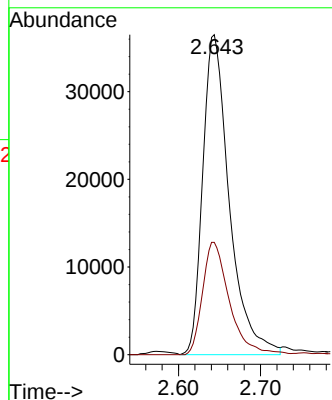
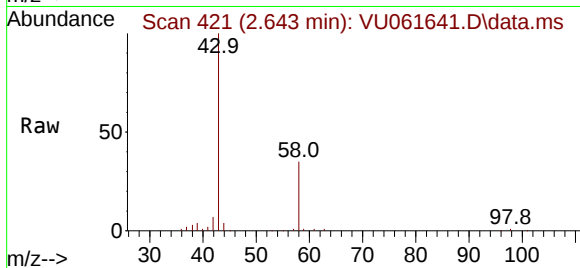
ClientSampleId :

Tgt Ion: 43 Resp: 82273

Ion Ratio Lower Upper

43 100

58 35.4 0.0 69.8



#14

Carbon disulfide

Concen: 4.935 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU061641.D

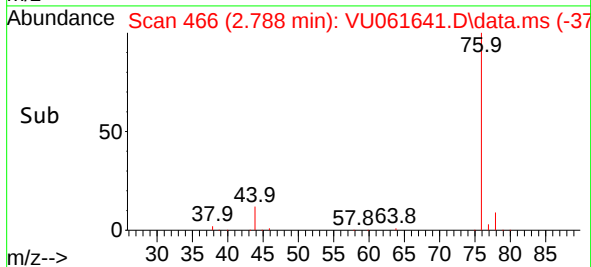
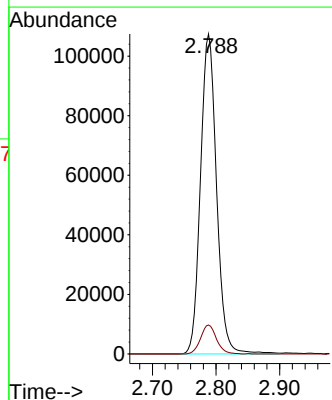
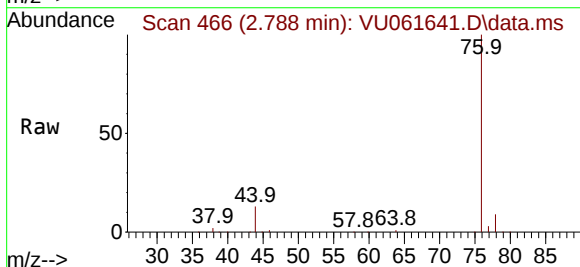
Acq: 13 Nov 2024 22:34

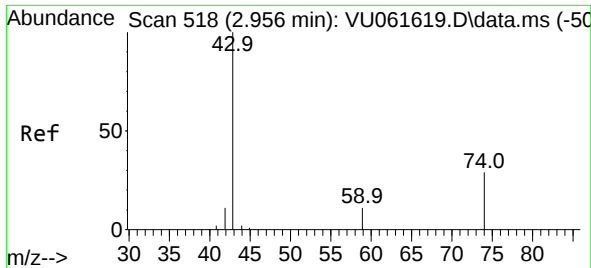
Tgt Ion: 76 Resp: 188119

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

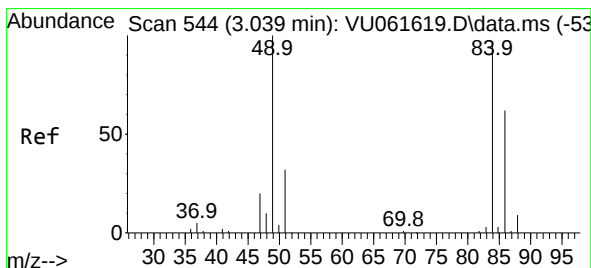
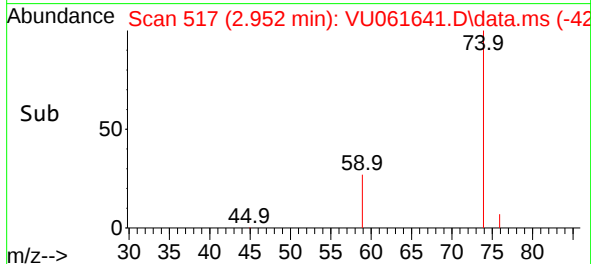
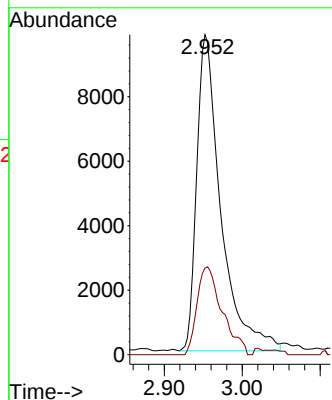
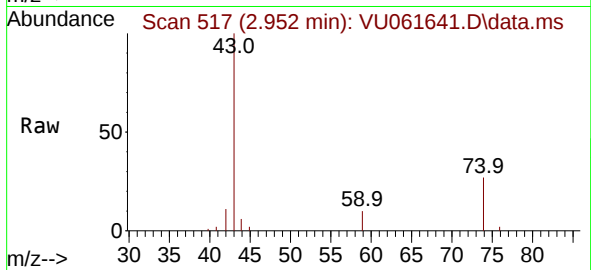




#15  
Methyl Acetate  
Concen: 4.967 ug/L  
RT: 2.952 min Scan# 517  
Delta R.T. -0.003 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

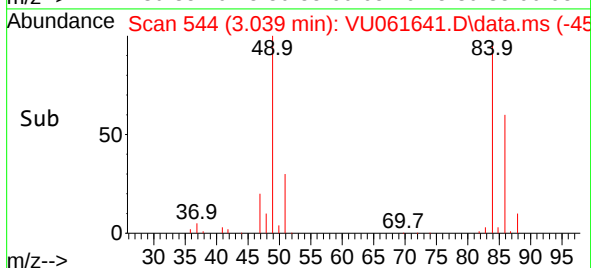
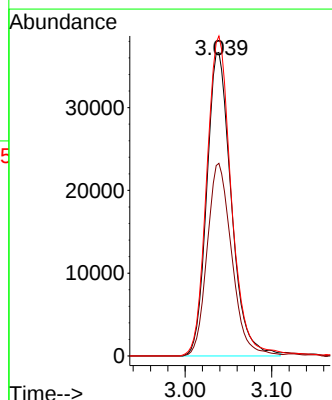
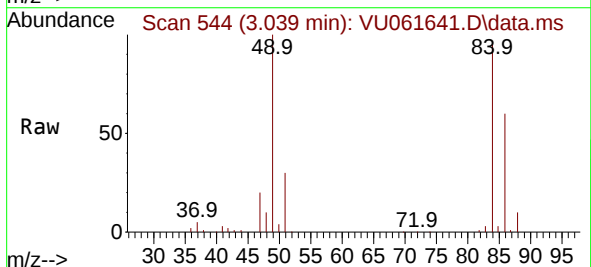
Instrument :  
MSVOA\_U  
ClientSampleId :

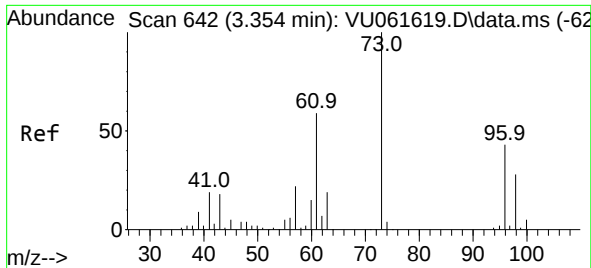
Tgt Ion: 43 Resp: 21079  
Ion Ratio Lower Upper  
43 100  
74 28.8 22.5 33.7



#16  
Methylene chloride  
Concen: 5.262 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion: 84 Resp: 71967  
Ion Ratio Lower Upper  
84 100  
86 63.5 45.1 83.7  
49 105.4 76.3 141.7

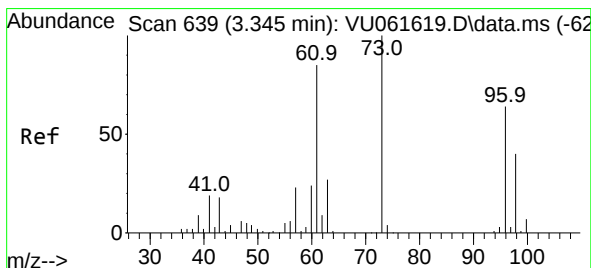
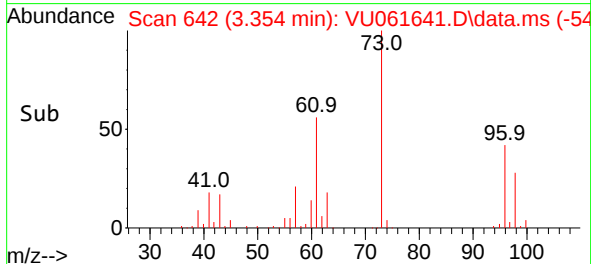
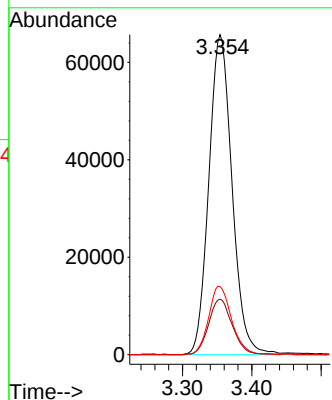
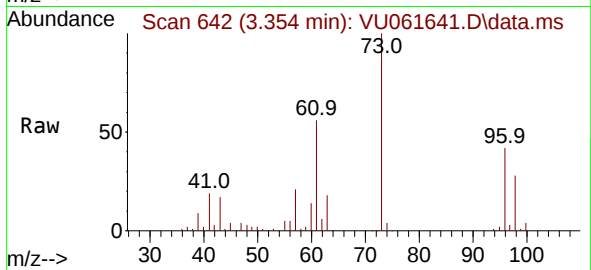




#17  
Methyl tert-butyl Ether  
Concen: 5.243 ug/L  
RT: 3.354 min Scan# 641  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

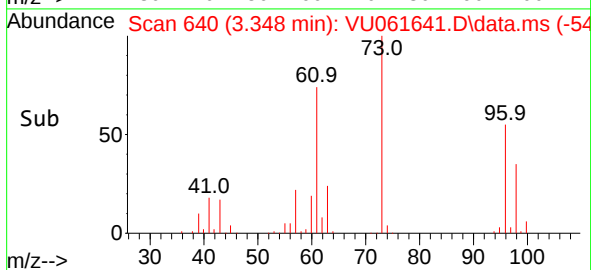
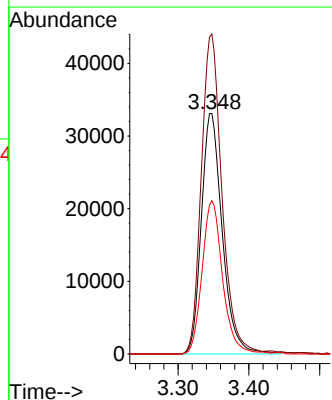
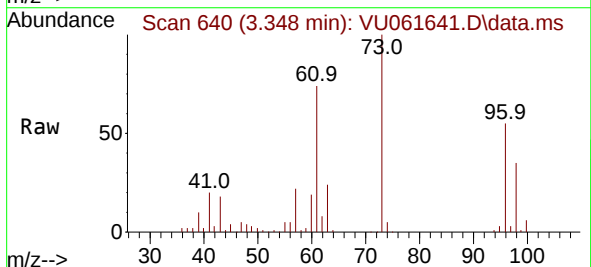
Instrument :  
MSVOA\_U  
ClientSampleId :

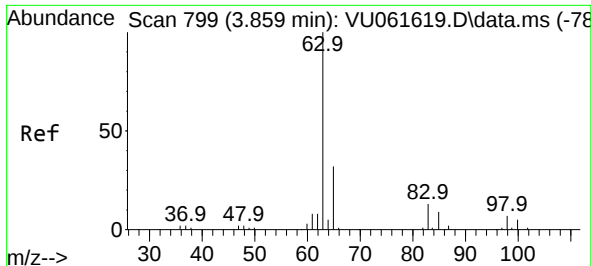
Tgt Ion: 73 Resp: 152518  
Ion Ratio Lower Upper  
73 100  
43 17.6 14.2 21.4  
57 21.2 16.9 25.3



#18  
trans-1,2-Dichloroethene  
Concen: 5.206 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion: 96 Resp: 67771  
Ion Ratio Lower Upper  
96 100  
61 133.0 94.1 174.8  
98 63.7 43.2 80.2

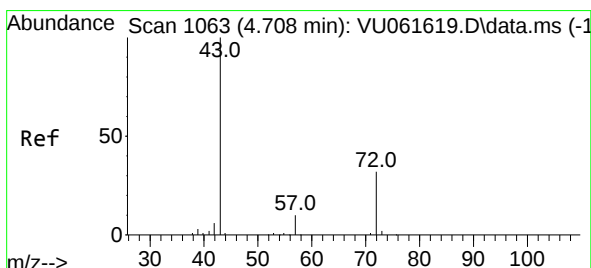
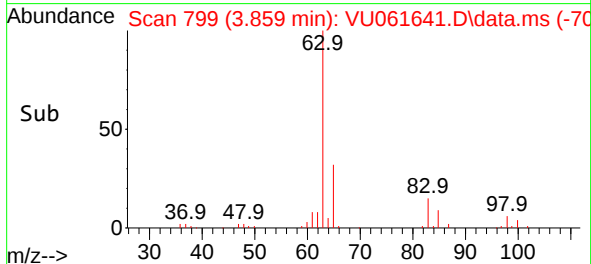
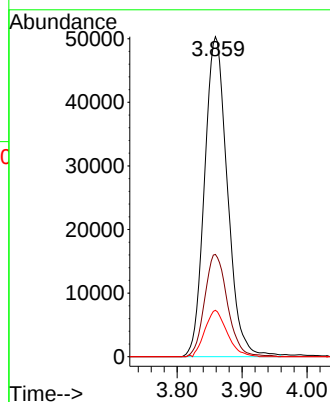
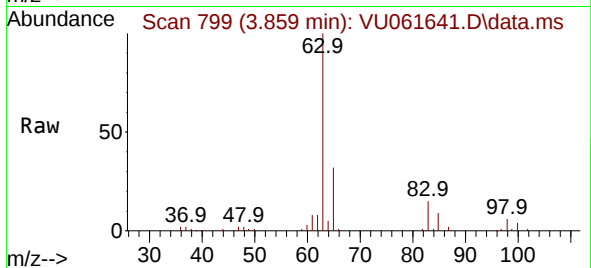




#19  
1,1-Dichloroethane  
Concen: 5.182 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

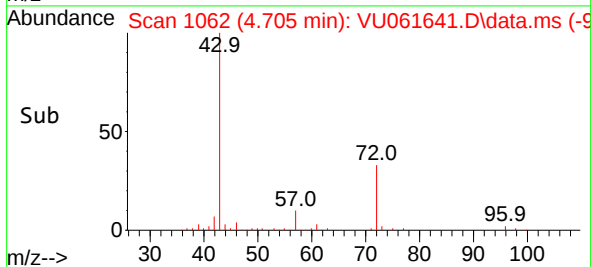
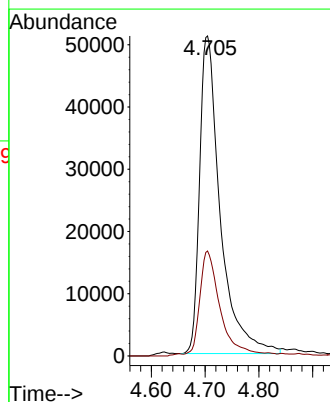
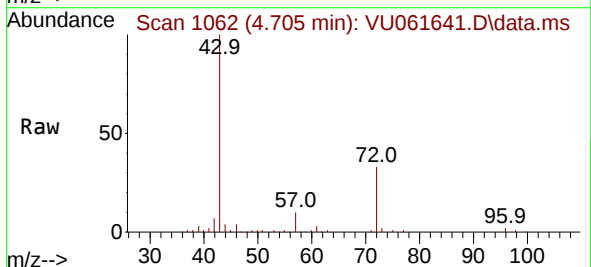
Instrument :  
MSVOA\_U  
ClientSampleId :

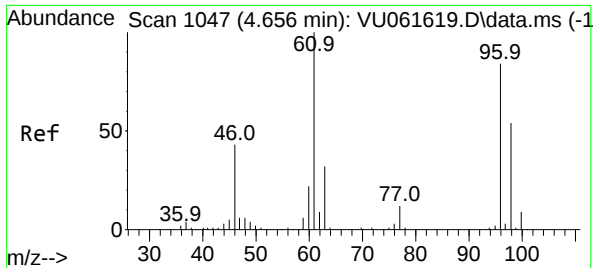
Tgt Ion: 63 Resp: 122993  
Ion Ratio Lower Upper  
63 100  
65 32.0 23.4 43.4  
83 14.5 9.6 17.8



#21  
2-Butanone  
Concen: 49.125 ug/L  
RT: 4.705 min Scan# 1062  
Delta R.T. -0.003 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion: 43 Resp: 136280  
Ion Ratio Lower Upper  
43 100  
72 30.6 15.8 47.3

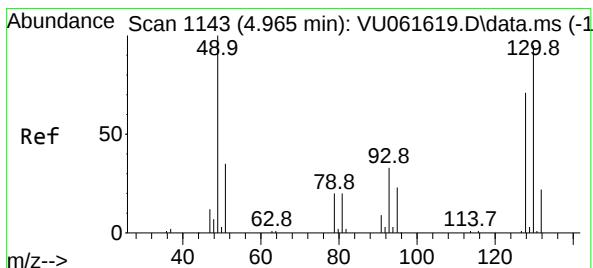
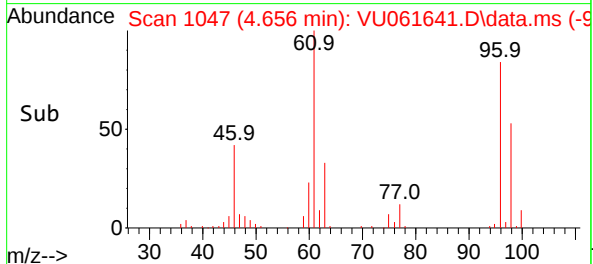
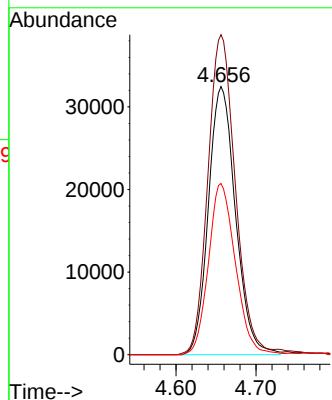
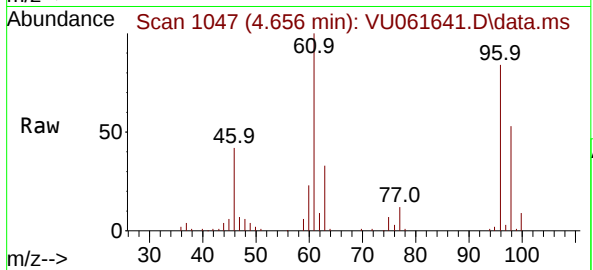




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.218 ug/L  
 RT: 4.656 min Scan# 1047  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34

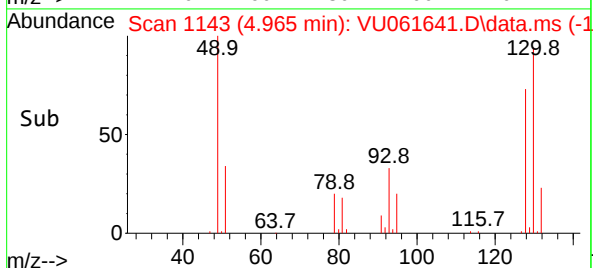
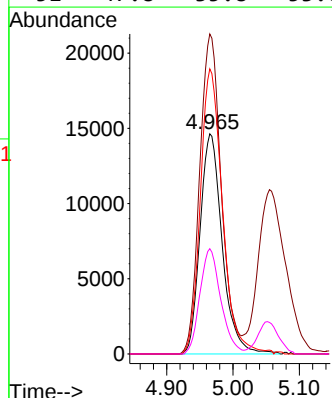
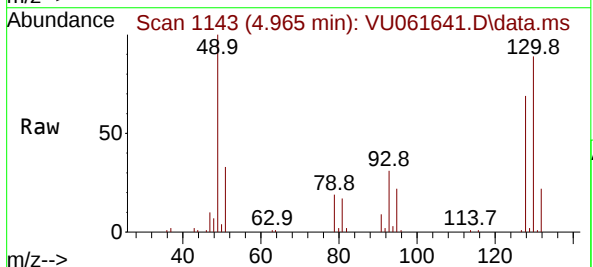
Instrument :  
 MSVOA\_U  
 ClientSampleId :

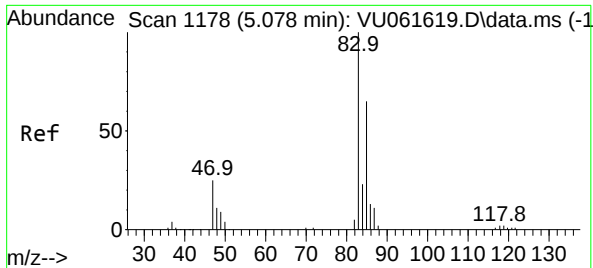
Tgt Ion: 96 Resp: 76608  
 Ion Ratio Lower Upper  
 96 100  
 61 119.3 85.6 159.0  
 98 63.8 45.6 84.8



#23  
 Bromochloromethane  
 Concen: 5.202 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34

Tgt Ion: 128 Resp: 33922  
 Ion Ratio Lower Upper  
 128 100  
 49 145.4 99.1 184.1  
 130 129.5 88.6 164.6  
 51 47.8 35.8 53.6

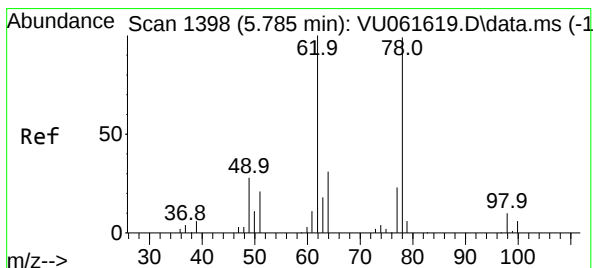
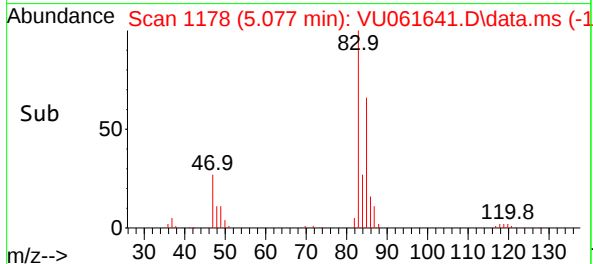
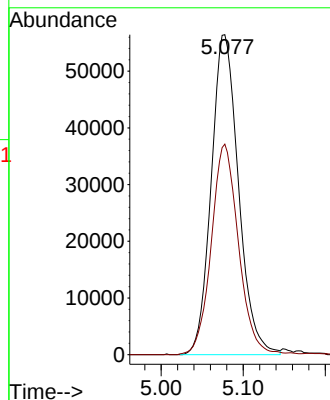
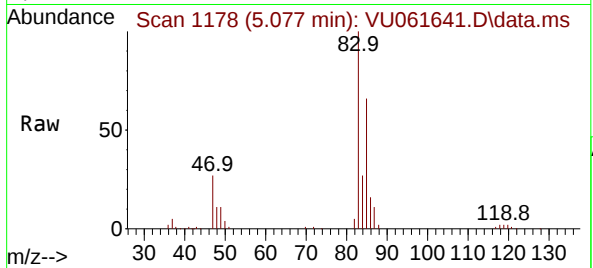




#25  
Chloroform  
Concen: 5.217 ug/L  
RT: 5.077 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

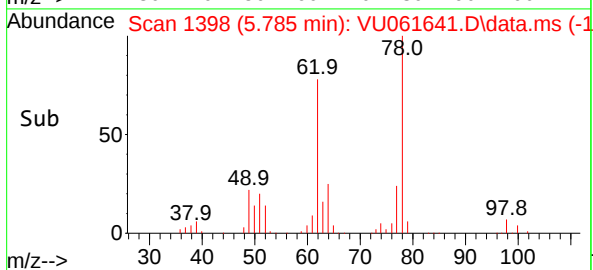
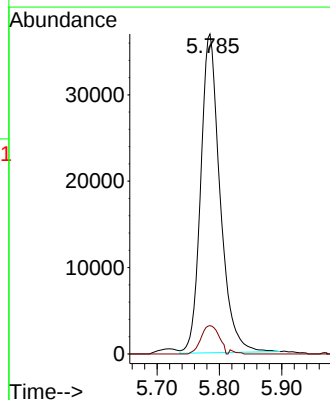
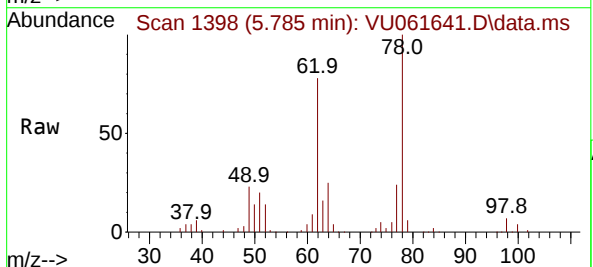
Instrument :  
MSVOA\_U  
ClientSampleId :

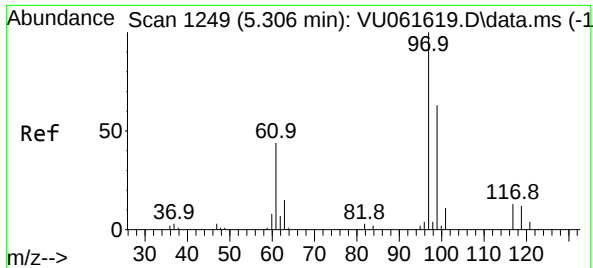
Tgt Ion: 83 Resp: 130502  
Ion Ratio Lower Upper  
83 100  
85 65.8 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 5.079 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion: 62 Resp: 79731  
Ion Ratio Lower Upper  
62 100  
98 8.8 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.242 ug/L

RT: 5.306 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

ClientSampleId :

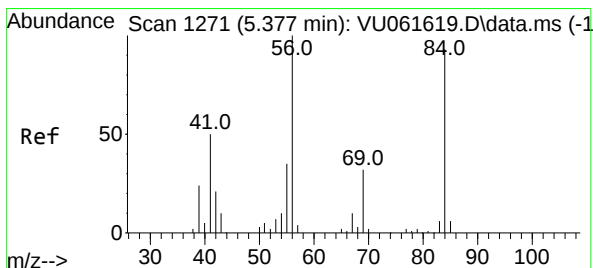
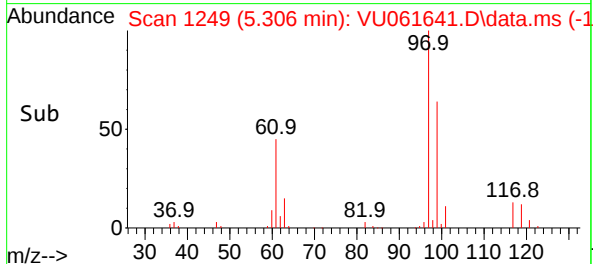
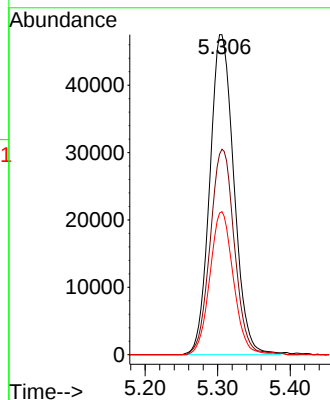
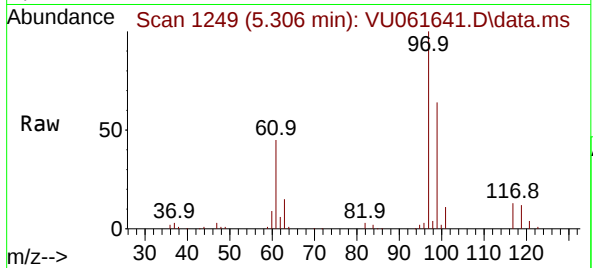
Tgt Ion: 97 Resp: 109983

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 43.4 35.4 53.0



#30

Cyclohexane

Concen: 5.252 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

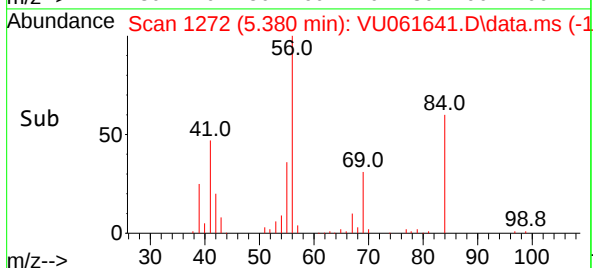
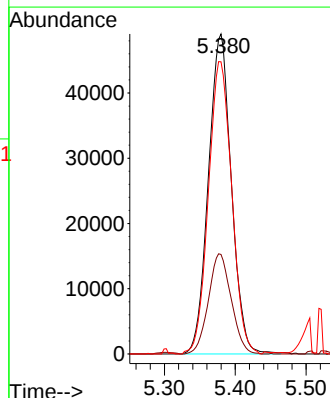
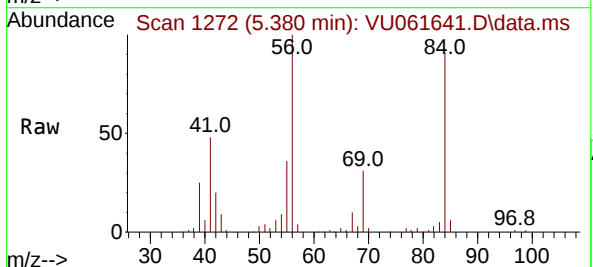
Tgt Ion: 56 Resp: 110072

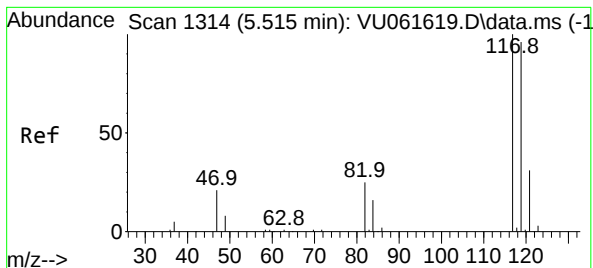
Ion Ratio Lower Upper

56 100

69 31.1 25.6 38.4

84 93.0 74.3 111.5





#31

Carbon tetrachloride

Concen: 5.195 ug/L

RT: 5.515 min Scan# 117

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

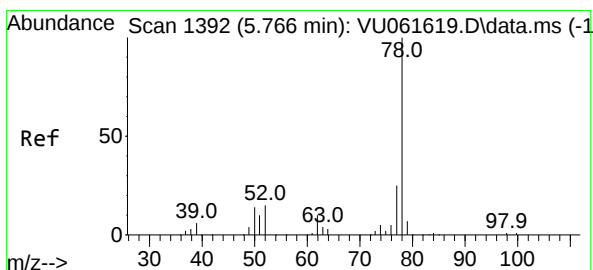
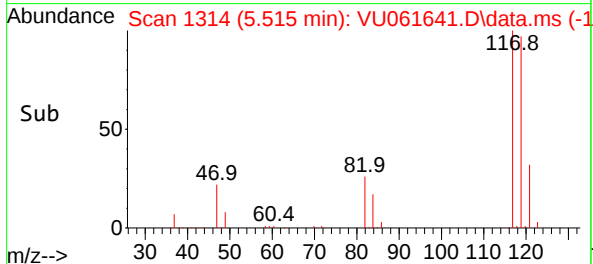
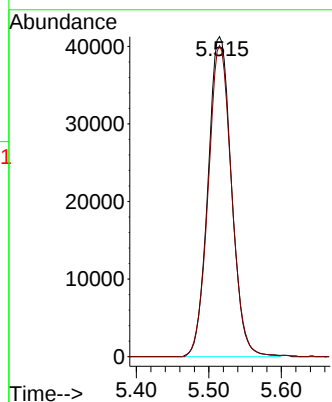
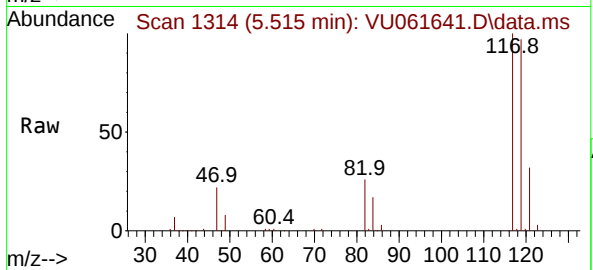
ClientSampleId :

Tgt Ion:117 Resp: 92836

Ion Ratio Lower Upper

117 100

119 96.9 76.6 114.8



#33

Benzene

Concen: 5.253 ug/L

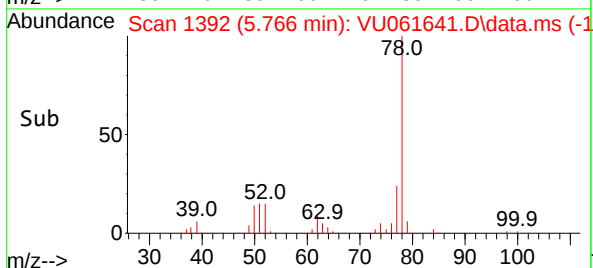
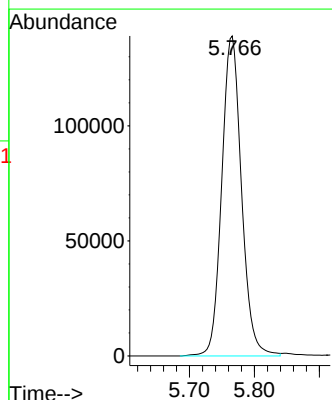
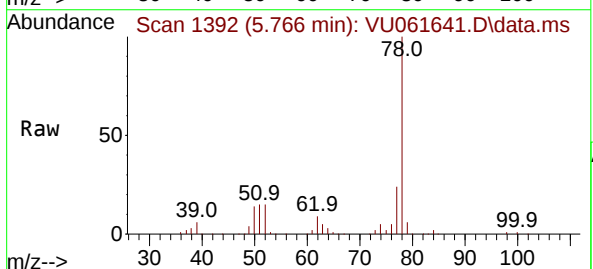
RT: 5.766 min Scan# 1392

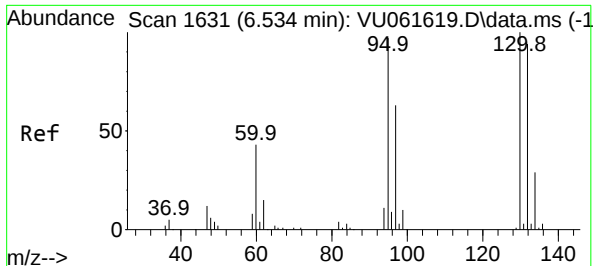
Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Tgt Ion: 78 Resp: 293160





#34

Trichloroethene

Concen: 5.175 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

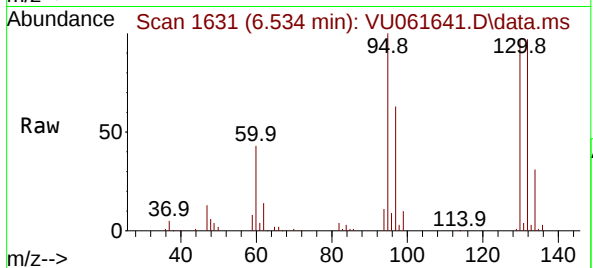
Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 95 Resp: 77971

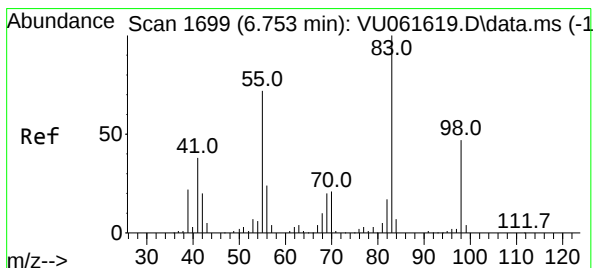
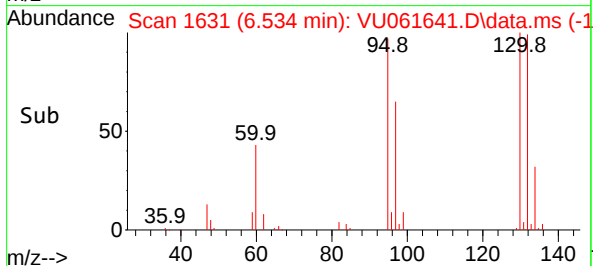
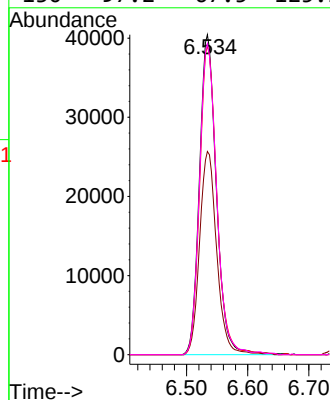
Ion Ratio Lower Upper

95 100

97 63.5 43.5 80.9

132 96.6 65.2 121.0

130 97.2 67.5 125.3



#35

Methylcyclohexane

Concen: 5.093 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

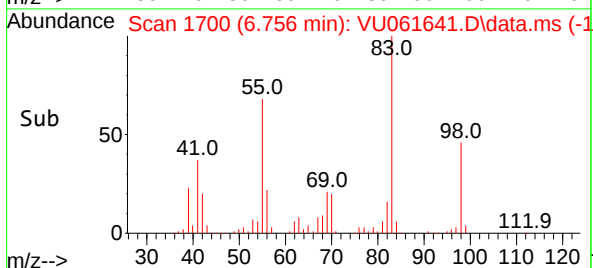
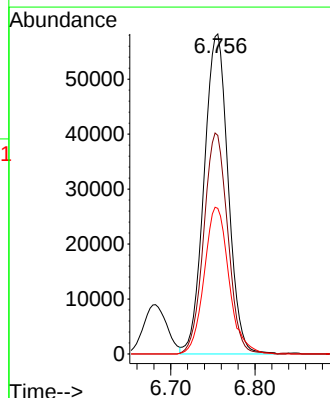
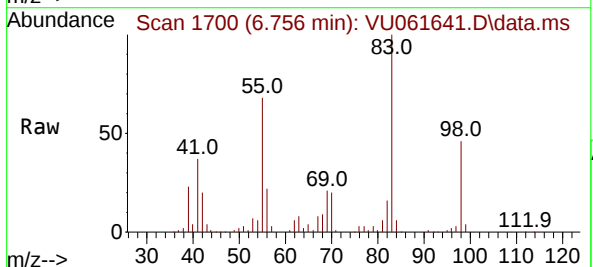
Tgt Ion: 83 Resp: 115728

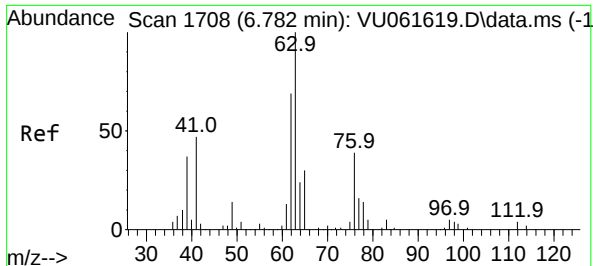
Ion Ratio Lower Upper

83 100

55 68.8 56.4 84.6

98 47.2 37.7 56.5

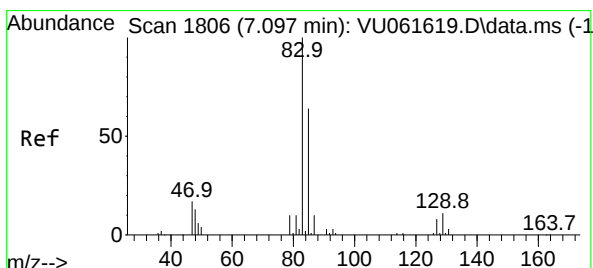
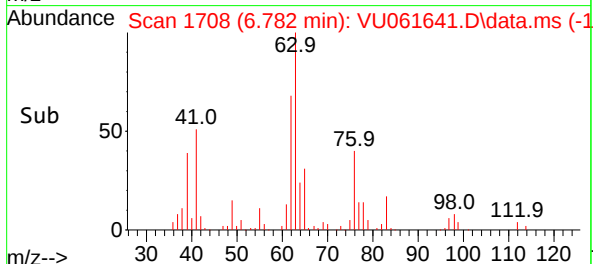
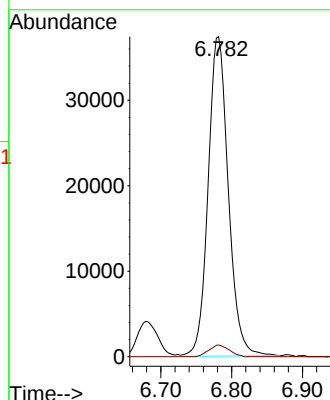
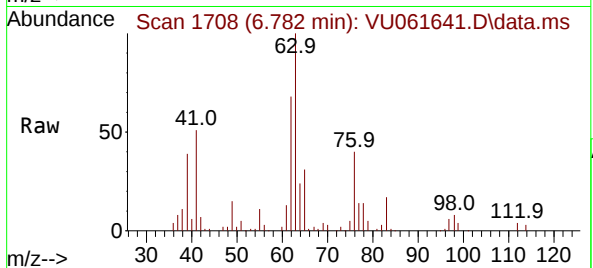




#37  
1,2-Dichloropropane  
Concen: 5.215 ug/L  
RT: 6.782 min Scan# 1708  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

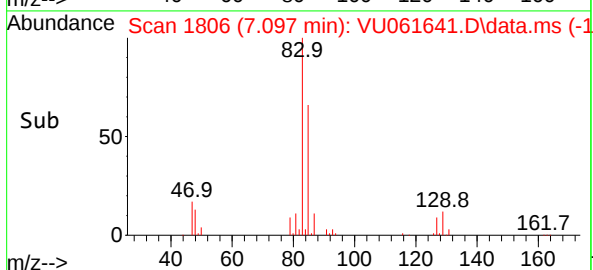
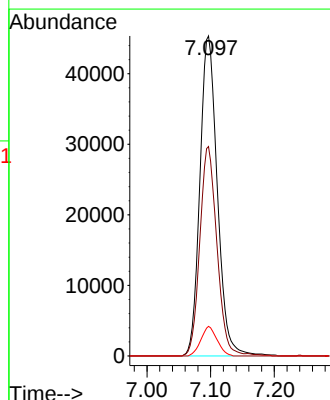
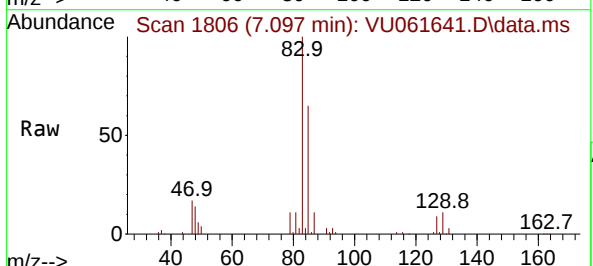
Instrument :  
MSVOA\_U  
ClientSampleId :

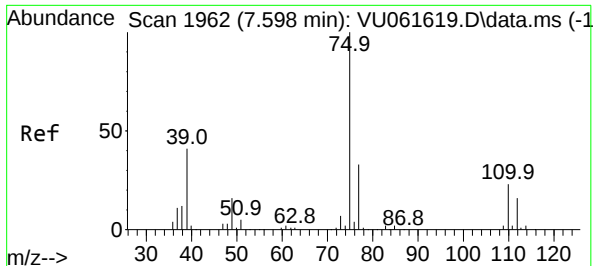
Tgt Ion: 63 Resp: 73831  
Ion Ratio Lower Upper  
63 100  
112 3.7 3.0 4.4



#38  
Bromodichloromethane  
Concen: 5.083 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion: 83 Resp: 86338  
Ion Ratio Lower Upper  
83 100  
85 65.5 45.0 83.6  
127 9.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.177 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

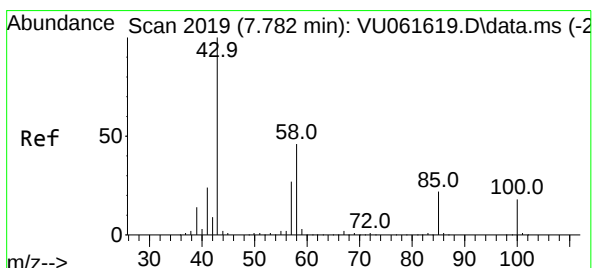
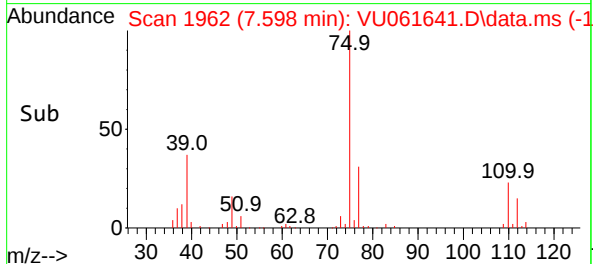
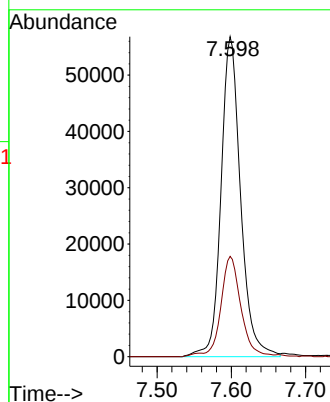
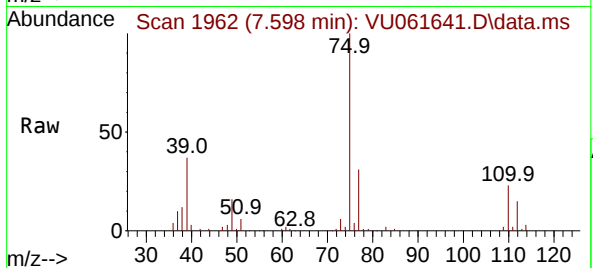
ClientSampleId :

Tgt Ion: 75 Resp: 104321

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 53.144 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

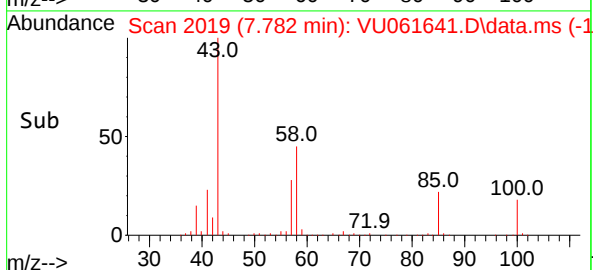
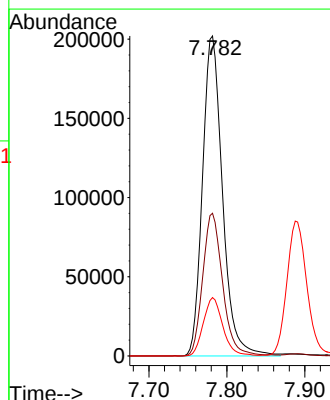
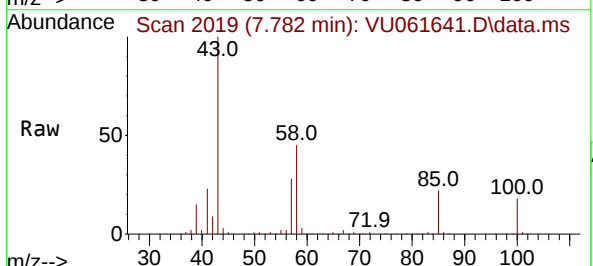
Tgt Ion: 43 Resp: 360744

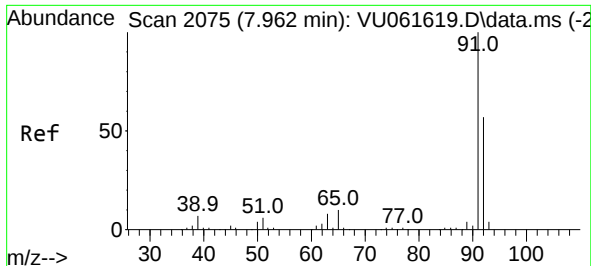
Ion Ratio Lower Upper

43 100

58 44.2 35.7 53.5

100 17.8 14.2 21.2





#42

Toluene

Concen: 5.304 ug/L

RT: 7.958 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

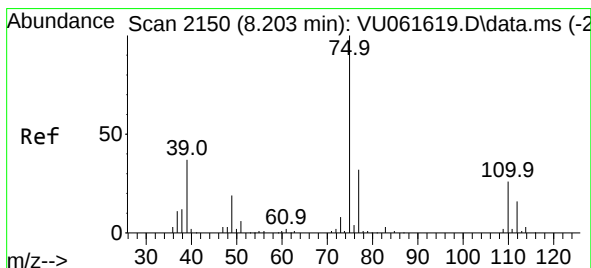
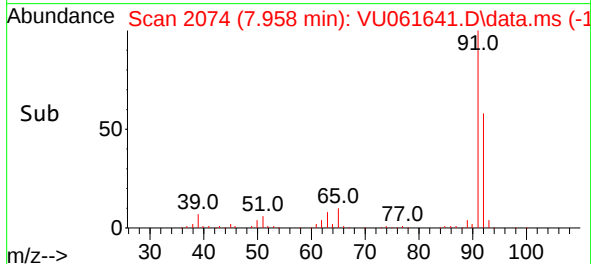
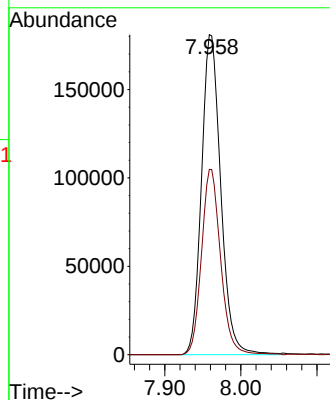
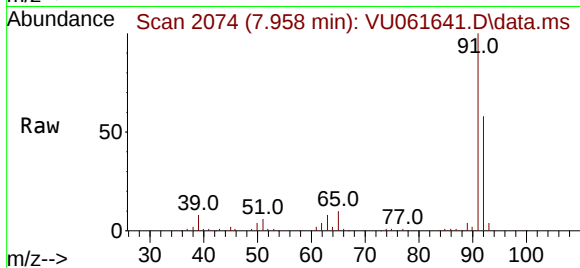
ClientSampleId :

Tgt Ion: 91 Resp: 318690

Ion Ratio Lower Upper

91 100

92 57.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.144 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU061641.D

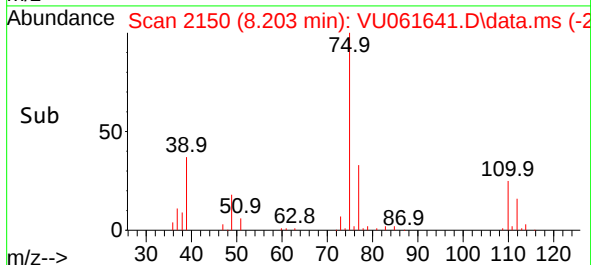
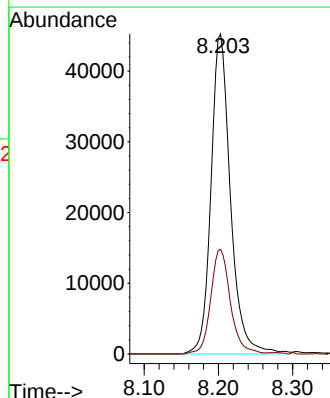
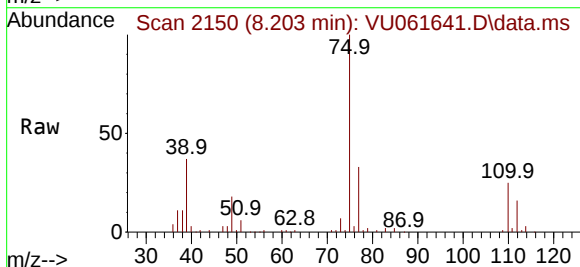
Acq: 13 Nov 2024 22:34

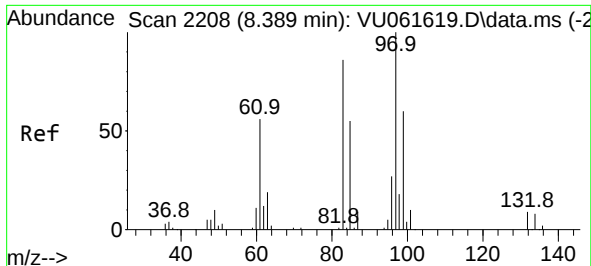
Tgt Ion: 75 Resp: 82218

Ion Ratio Lower Upper

75 100

77 32.7 21.7 40.3

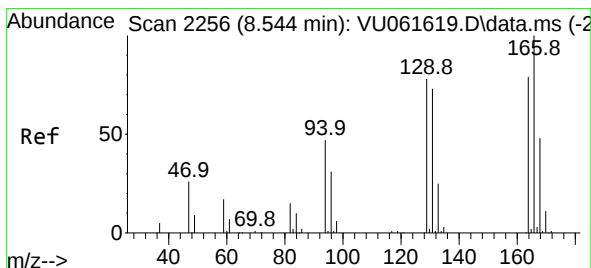
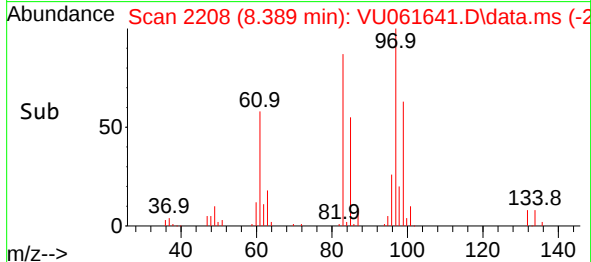
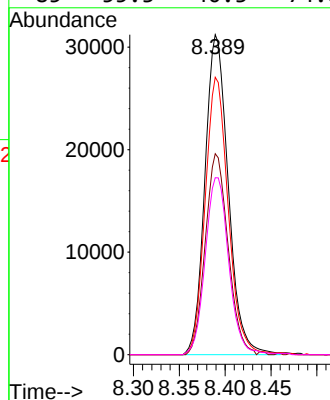
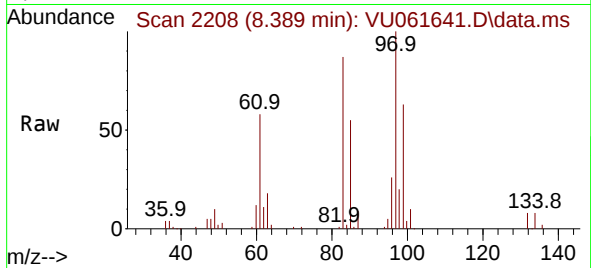




#45  
1,1,2-Trichloroethane  
Concen: 5.356 ug/L  
RT: 8.389 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

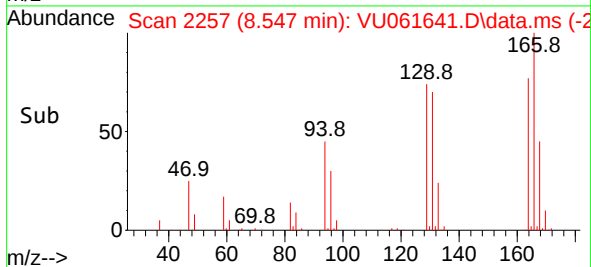
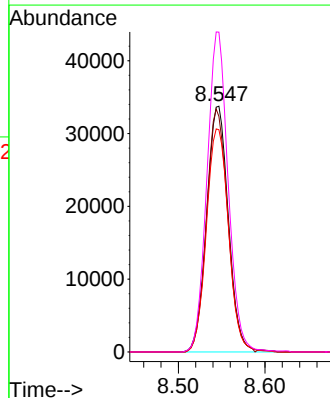
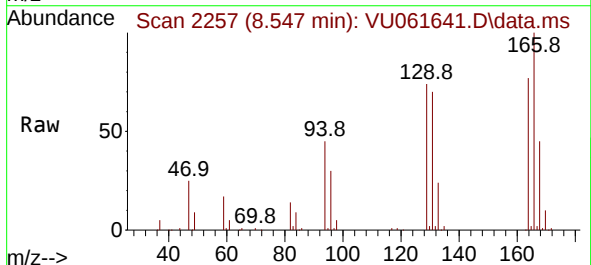
Instrument :  
MSVOA\_U  
ClientSampleId :

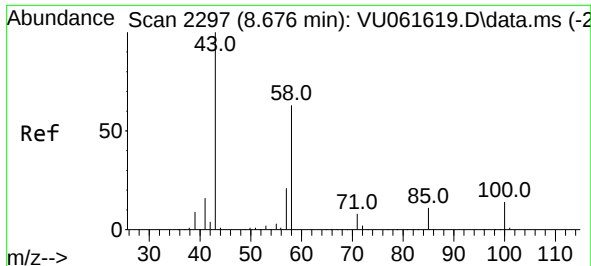
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 55278 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.8  | 43.8  | 81.3  |
| 83       | 86.7  | 63.2  | 117.4 |
| 85       | 55.3  | 40.3  | 74.8  |



#47  
Tetrachloroethene  
Concen: 5.200 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.003 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 58876 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 95.8  | 71.7  | 133.3 |
| 131      | 90.4  | 68.2  | 126.6 |
| 166      | 130.1 | 89.9  | 167.0 |

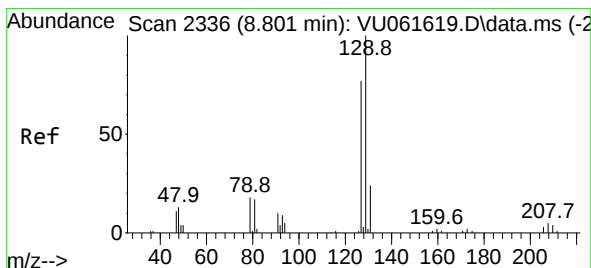
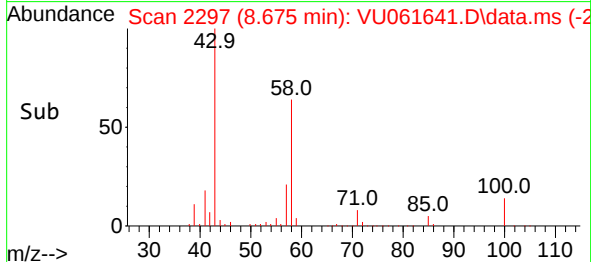
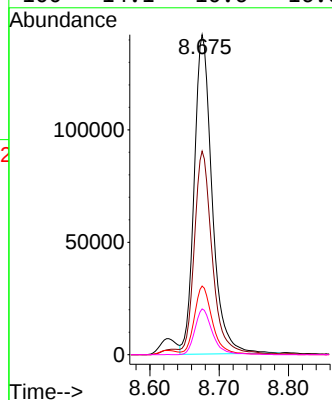
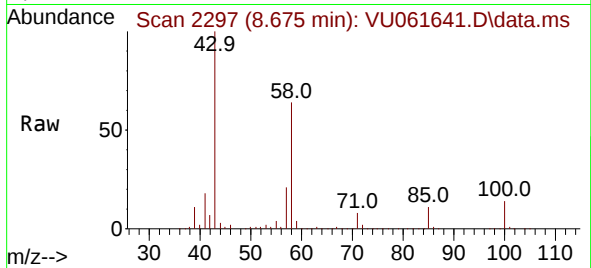




#48  
2-Hexanone  
Concen: 52.626 ug/L  
RT: 8.675 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

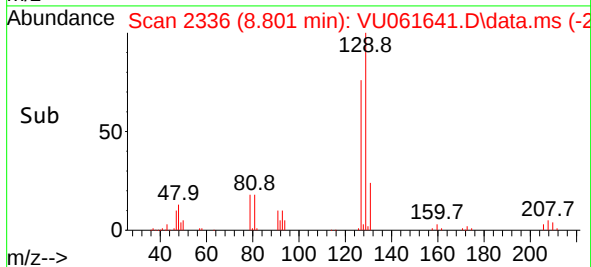
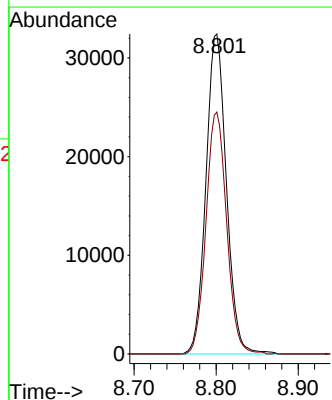
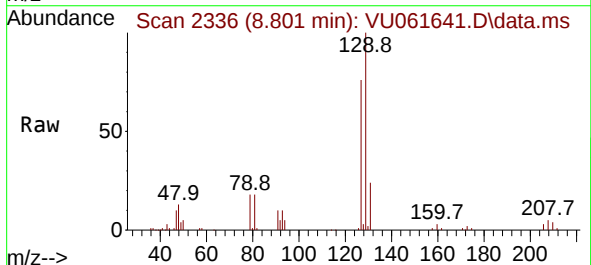
Instrument :  
MSVOA\_U  
ClientSampleId :

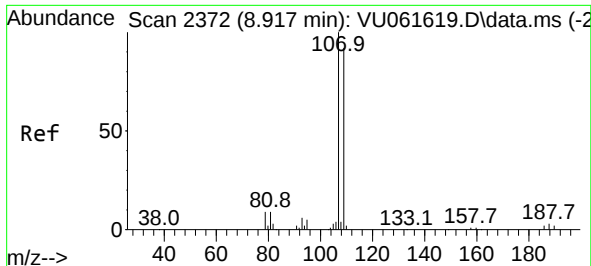
Tgt Ion: 43 Resp: 255427  
Ion Ratio Lower Upper  
43 100  
58 62.8 49.4 74.2  
57 21.2 16.3 24.5  
100 14.1 10.6 16.0



#49  
Dibromochloromethane  
Concen: 5.194 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion: 129 Resp: 56206  
Ion Ratio Lower Upper  
129 100  
127 75.6 55.1 102.3

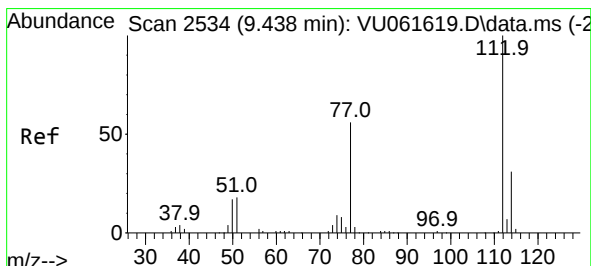
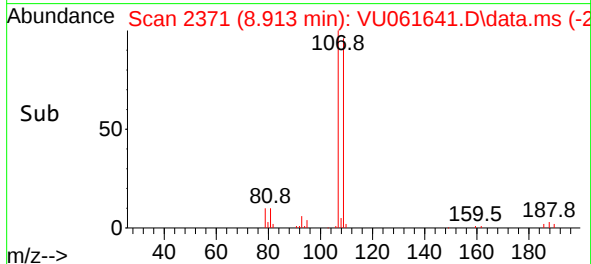
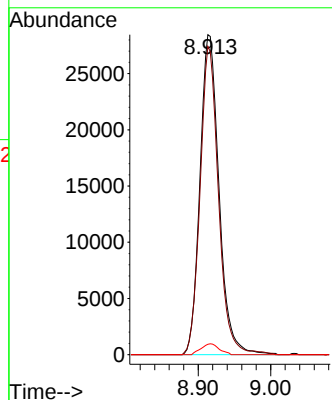
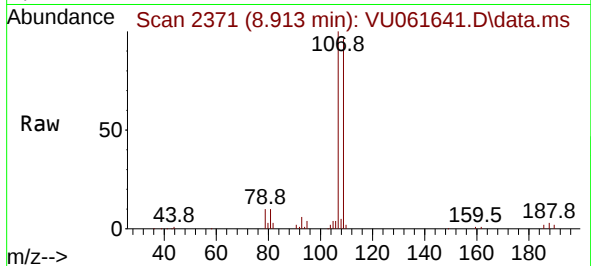




#50  
1,2-Dibromoethane  
Concen: 5.341 ug/L  
RT: 8.913 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

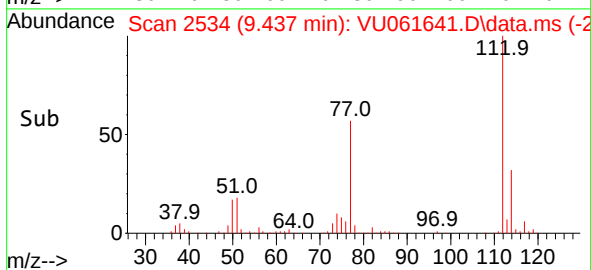
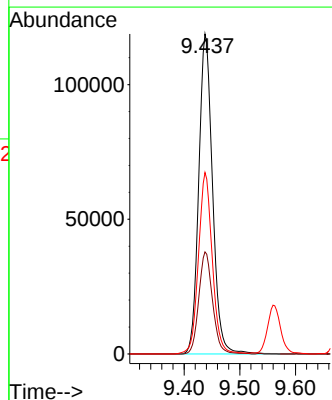
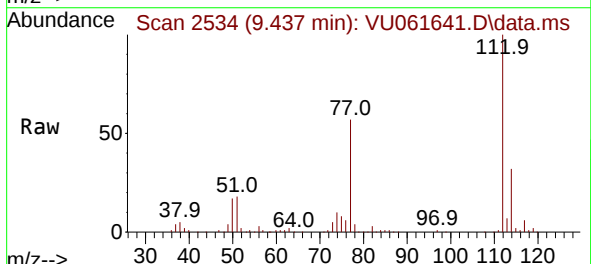
Instrument :  
MSVOA\_U  
ClientSampleId :

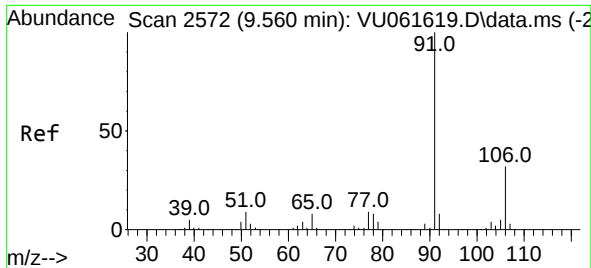
Tgt Ion:107 Resp: 51992  
Ion Ratio Lower Upper  
107 100  
109 96.4 64.8 120.4  
188 3.3 2.5 3.7



#51  
Chlorobenzene  
Concen: 5.290 ug/L  
RT: 9.437 min Scan# 2534  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion:112 Resp: 204603  
Ion Ratio Lower Upper  
112 100  
114 31.9 22.5 41.9  
77 56.7 45.3 67.9

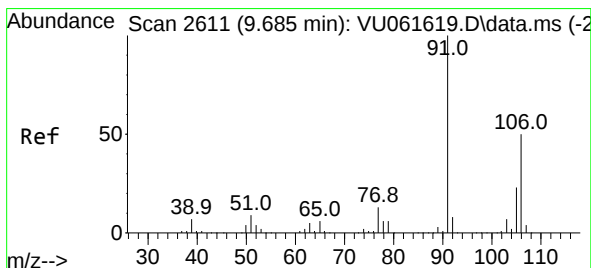
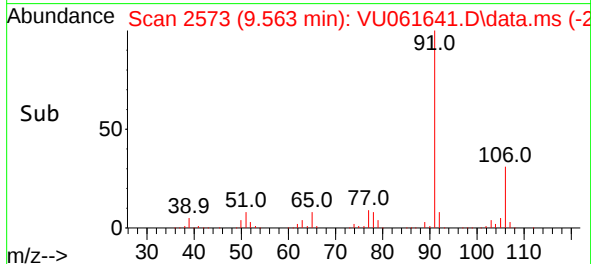
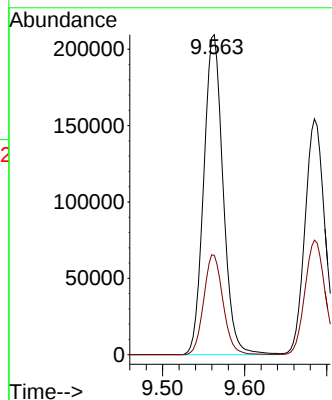
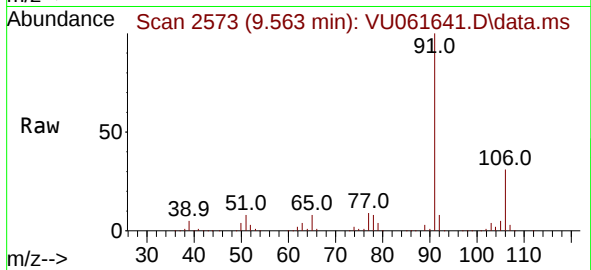




#52  
Ethylbenzene  
Concen: 5.368 ug/L  
RT: 9.563 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

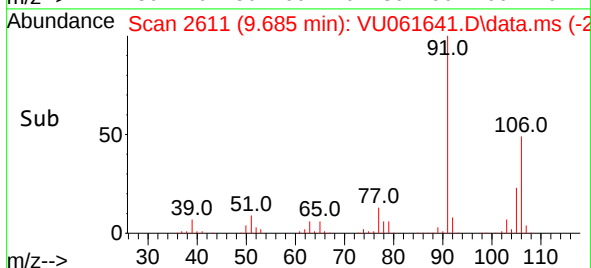
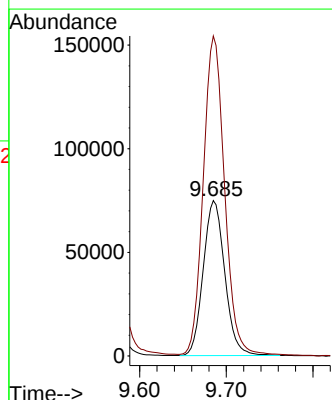
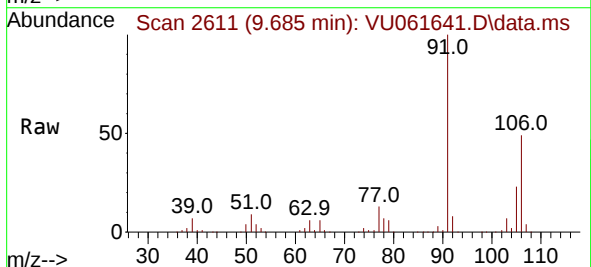
Instrument :  
MSVOA\_U  
ClientSampleId :

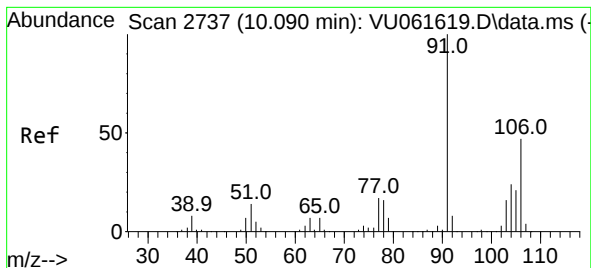
Tgt Ion: 91 Resp: 343559  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.7 40.3



#53  
m,p-Xylene  
Concen: 5.285 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion:106 Resp: 129421  
Ion Ratio Lower Upper  
106 100  
91 205.9 140.4 260.8





#54

o-Xylene

Concen: 5.407 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

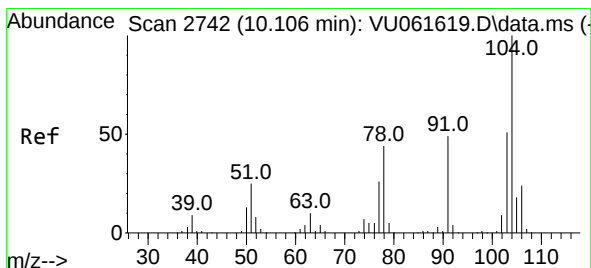
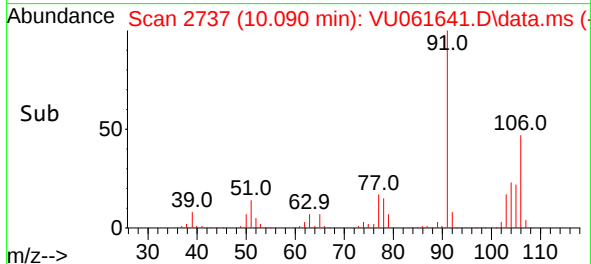
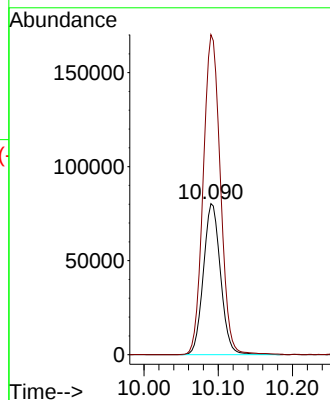
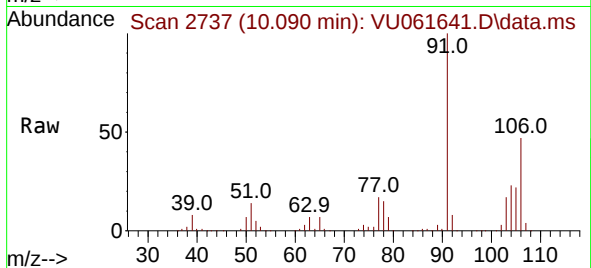
ClientSampleId :

Tgt Ion:106 Resp: 128701

Ion Ratio Lower Upper

106 100

91 211.9 151.3 280.9



#55

Styrene

Concen: 5.535 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU061641.D

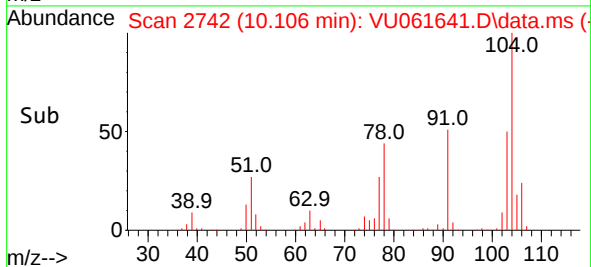
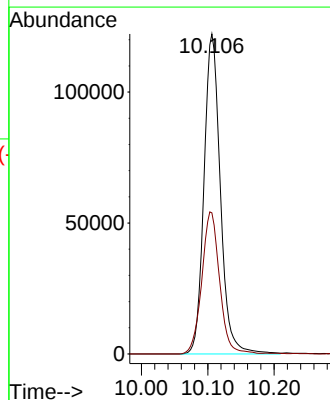
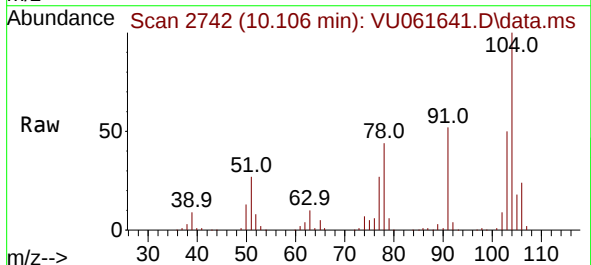
Acq: 13 Nov 2024 22:34

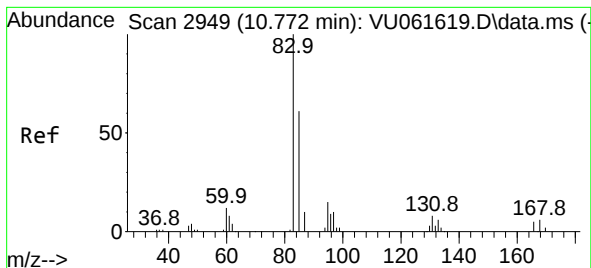
Tgt Ion:104 Resp: 209757

Ion Ratio Lower Upper

104 100

78 44.1 31.6 58.6

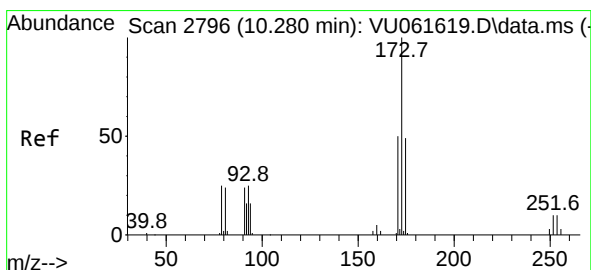
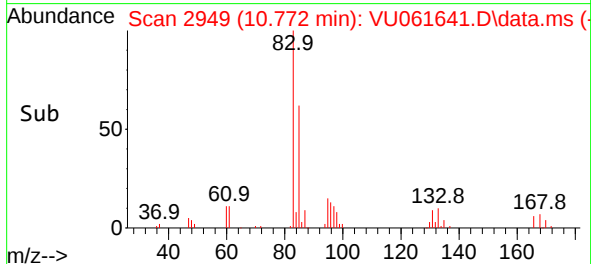
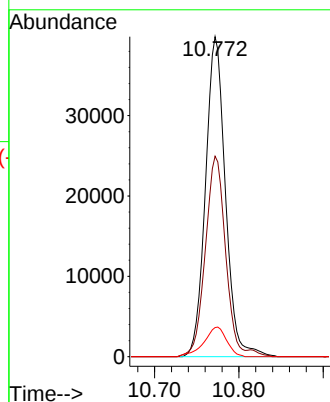
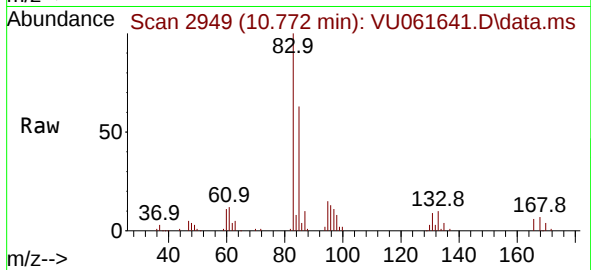




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.222 ug/L  
RT: 10.772 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

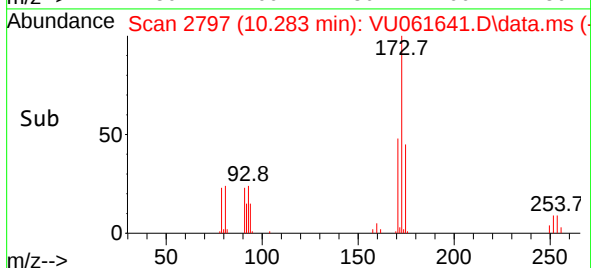
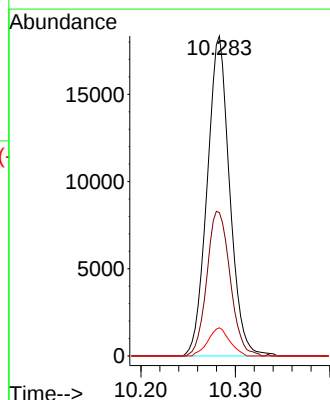
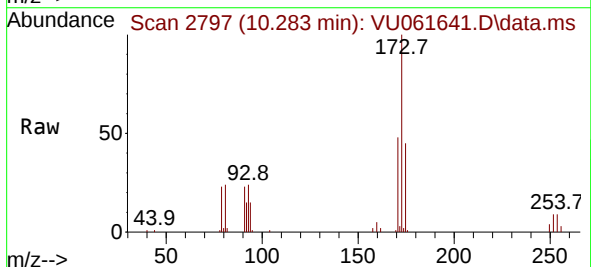
Instrument :  
MSVOA\_U  
ClientSampleId :

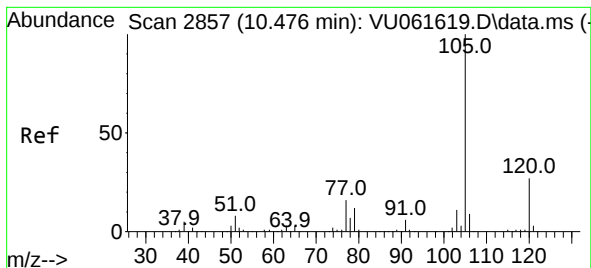
Tgt Ion: 83 Resp: 65585  
Ion Ratio Lower Upper  
83 100  
85 62.7 41.9 77.9  
131 9.1 7.8 11.6



#59  
Bromoform  
Concen: 5.112 ug/L  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.003 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion:173 Resp: 30364  
Ion Ratio Lower Upper  
173 100  
175 46.7 39.3 58.9  
254 8.4 7.8 11.8





#60

Isopropylbenzene

Concen: 5.411 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

ClientSampleId :

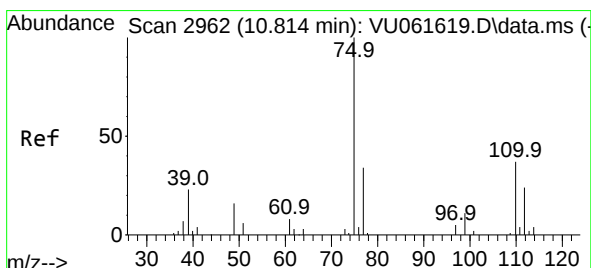
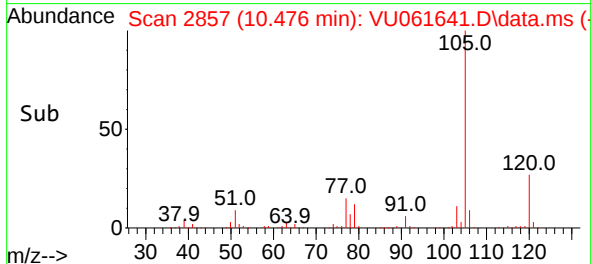
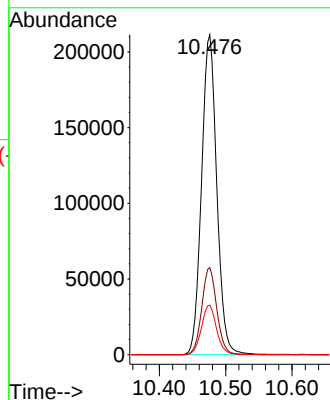
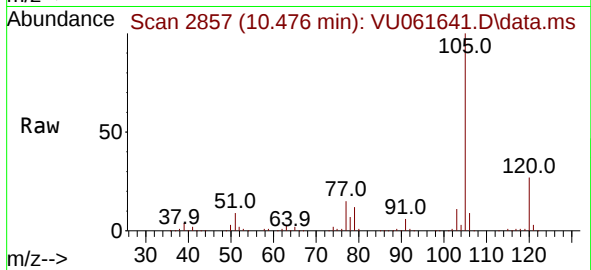
Tgt Ion:105 Resp: 336768

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

77 15.5 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 5.221 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

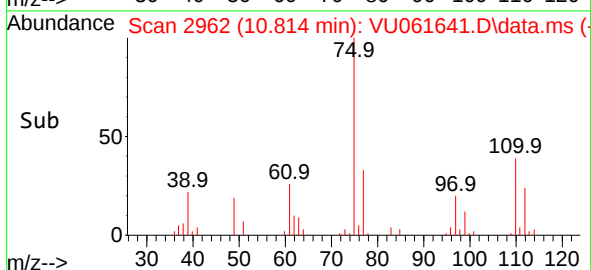
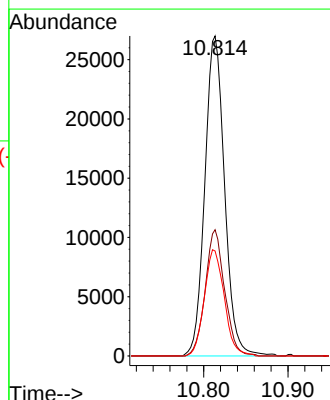
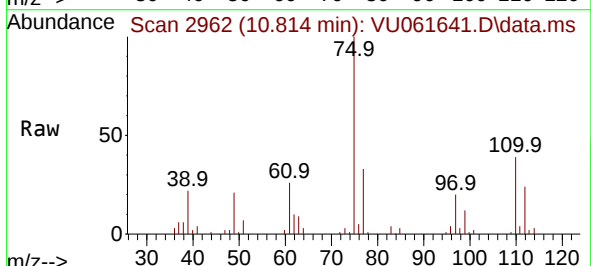
Tgt Ion: 75 Resp: 44141

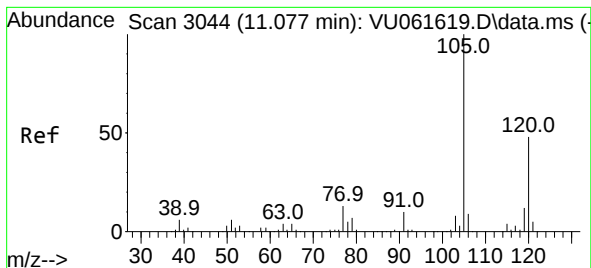
Ion Ratio Lower Upper

75 100

110 38.8 31.3 46.9

77 33.6 26.0 39.0





#62

1,3,5-Trimethylbenzene

Concen: 5.447 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

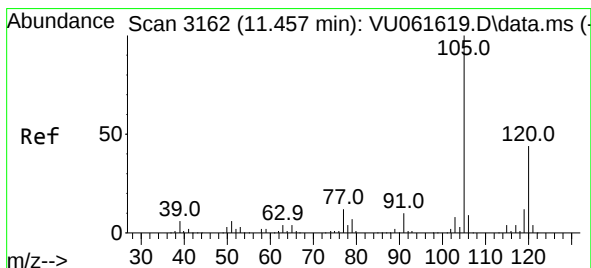
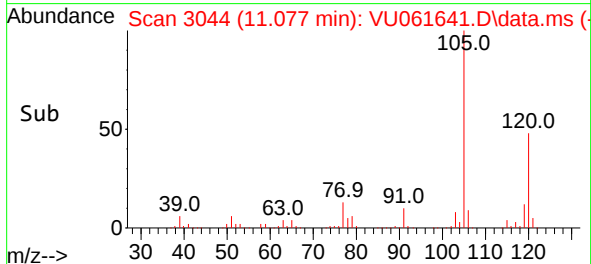
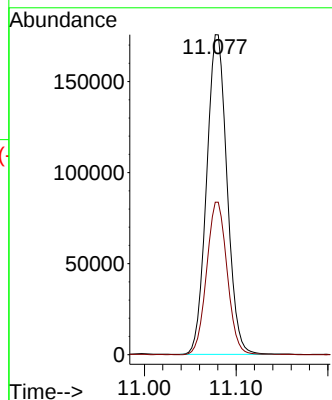
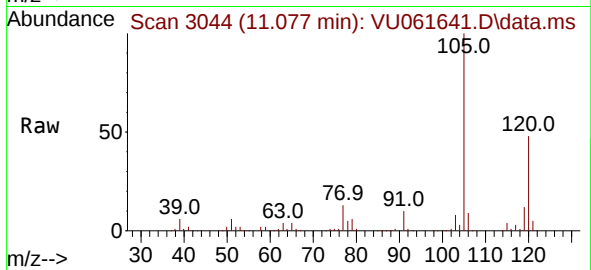
ClientSampleId :

Tgt Ion:105 Resp: 271437

Ion Ratio Lower Upper

105 100

120 48.0 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 5.509 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VU061641.D

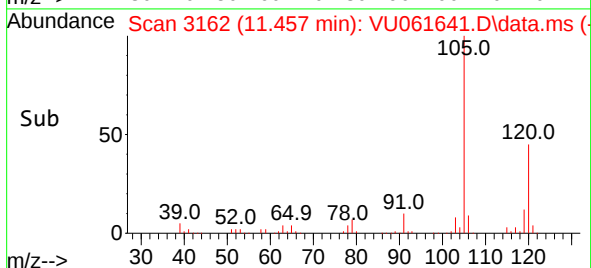
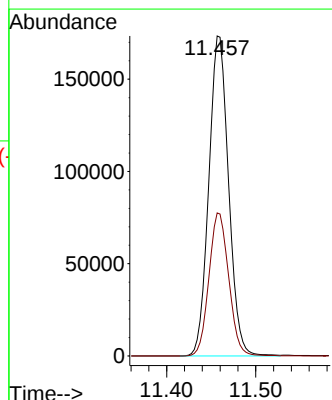
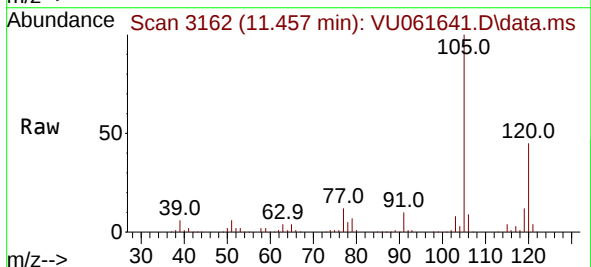
Acq: 13 Nov 2024 22:34

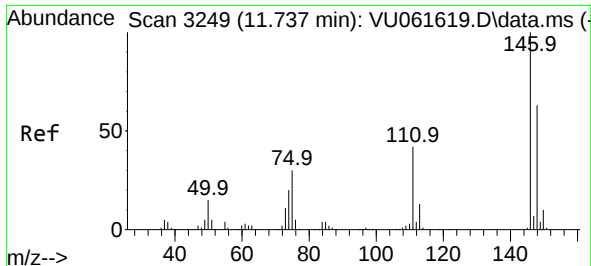
Tgt Ion:105 Resp: 267193

Ion Ratio Lower Upper

105 100

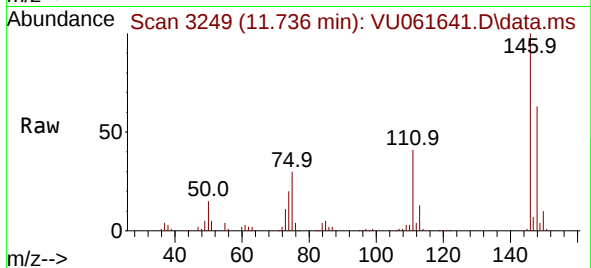
120 44.7 36.3 54.5



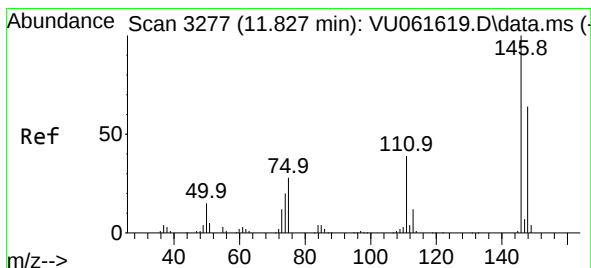
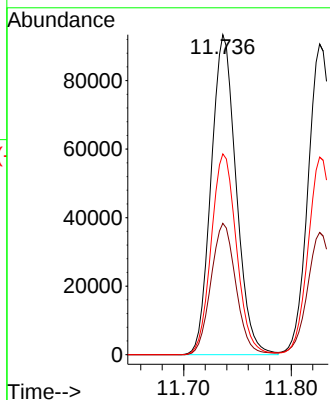
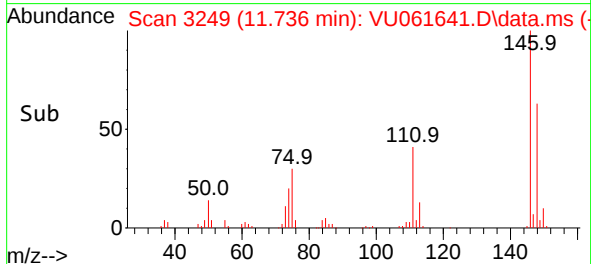


#64  
1,3-Dichlorobenzene  
Concen: 5.295 ug/L  
RT: 11.736 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

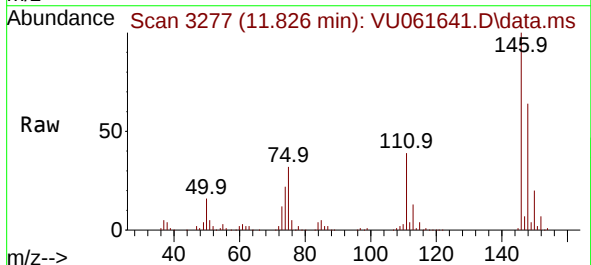
Instrument :  
MSVOA\_U  
ClientSampleId :



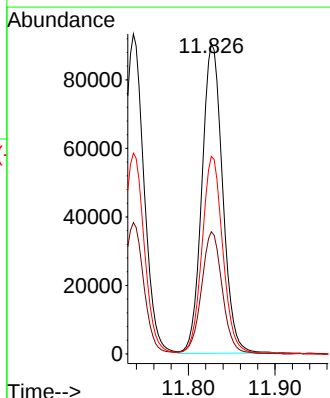
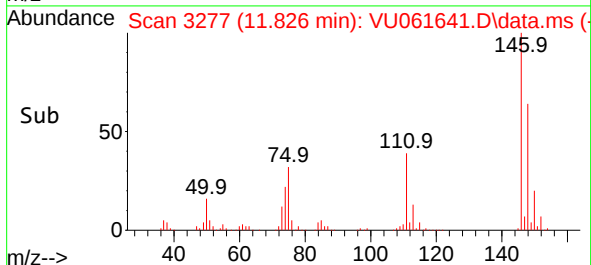
Tgt Ion:146 Resp: 151133  
Ion Ratio Lower Upper  
146 100  
111 41.0 29.3 54.3  
148 62.8 44.5 82.7

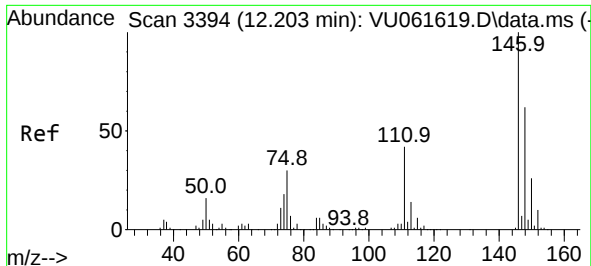


#65  
1,4-Dichlorobenzene  
Concen: 5.175 ug/L  
RT: 11.826 min Scan# 3277  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34



Tgt Ion:146 Resp: 149994  
Ion Ratio Lower Upper  
146 100  
111 39.4 28.8 53.4  
148 63.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.294 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

Instrument :

MSVOA\_U

ClientSampleId :

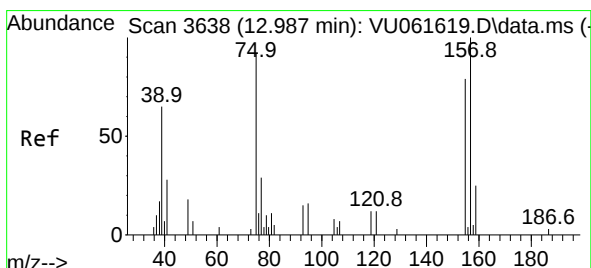
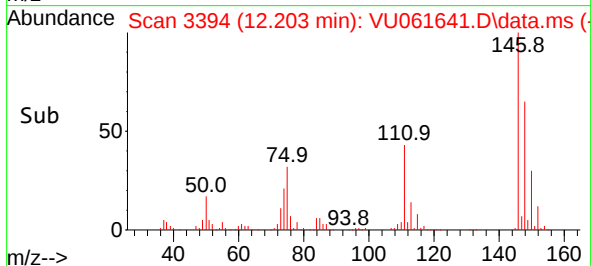
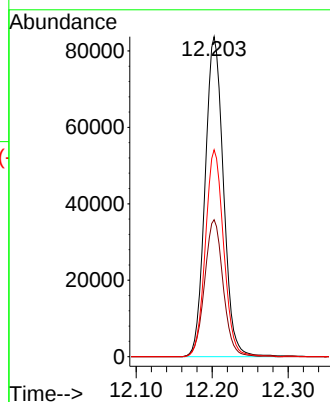
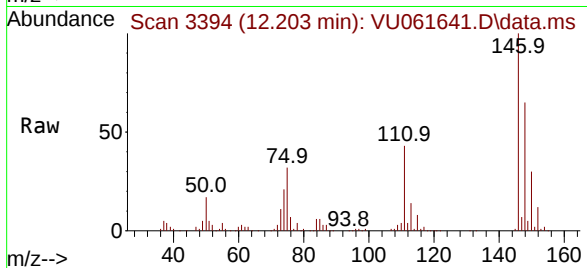
Tgt Ion:146 Resp: 140521

Ion Ratio Lower Upper

146 100

111 42.8 35.2 52.8

148 64.6 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.465 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU061641.D

Acq: 13 Nov 2024 22:34

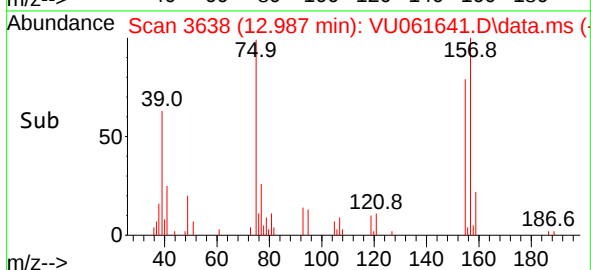
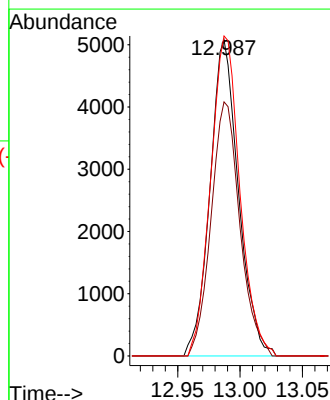
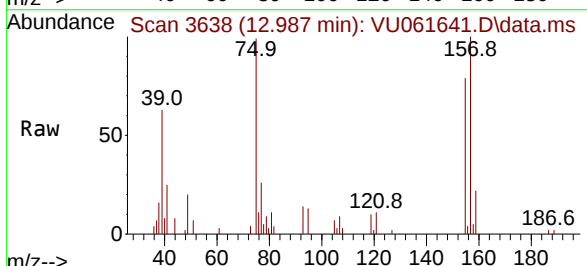
Tgt Ion: 75 Resp: 8068

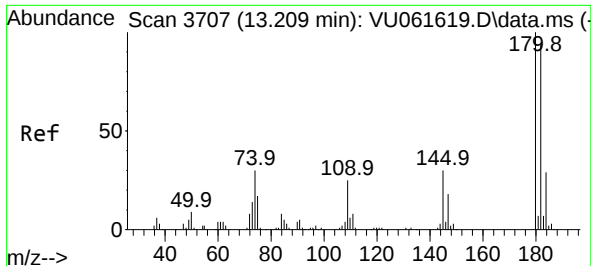
Ion Ratio Lower Upper

75 100

155 80.4 62.6 93.8

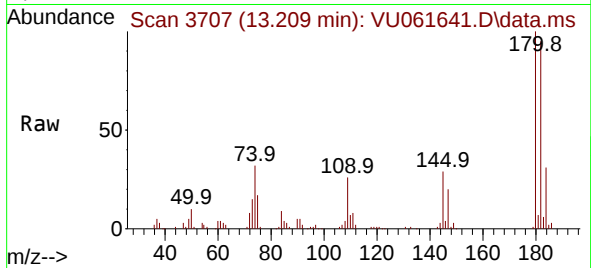
157 101.2 84.9 127.3



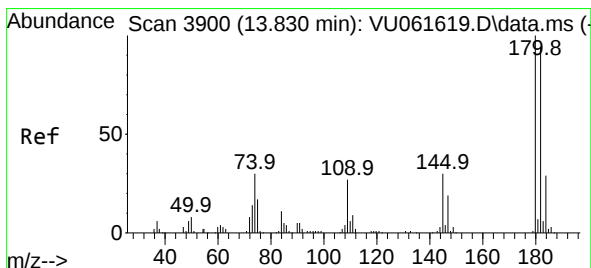
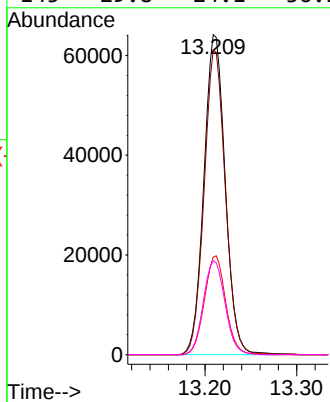
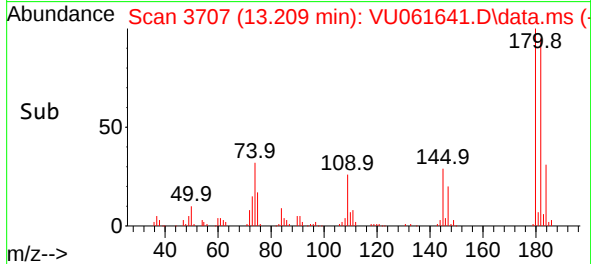


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.200 ug/L  
 RT: 13.209 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34

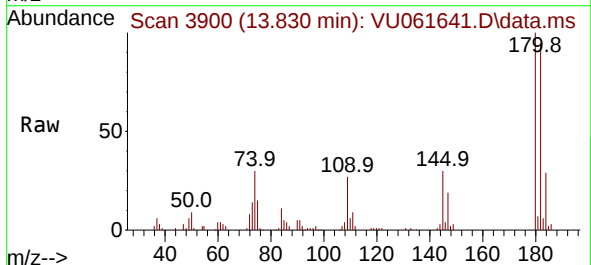
Instrument :  
 MSVOA\_U  
 ClientSampleId :



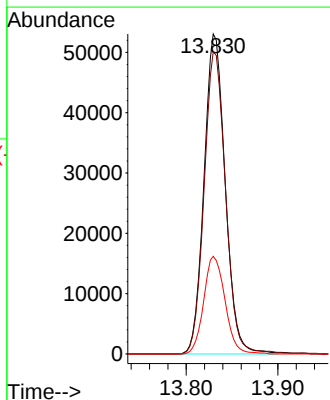
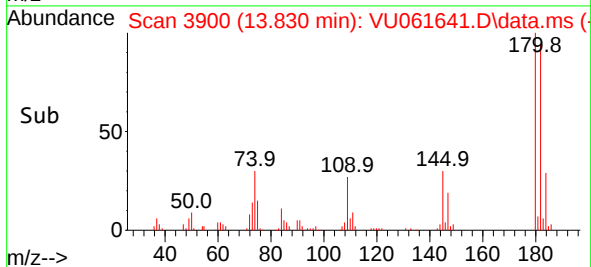
Tgt Ion:180 Resp: 103626  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 77.1 115.7  
 184 30.8 24.7 37.1  
 145 29.8 24.1 36.1

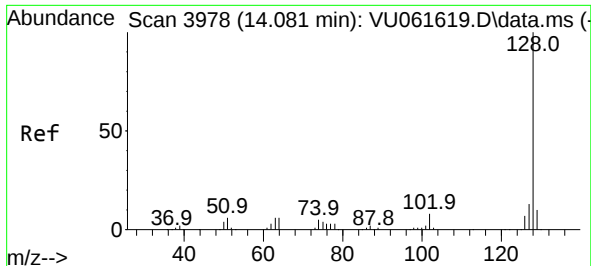


#70  
 1,2,4-trichlorobenzene  
 Concen: 5.520 ug/L  
 RT: 13.830 min Scan# 3900  
 Delta R.T. -0.000 min  
 Lab File: VU061641.D  
 Acq: 13 Nov 2024 22:34



Tgt Ion:180 Resp: 85261  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 77.4 116.0  
 145 30.7 24.5 36.7

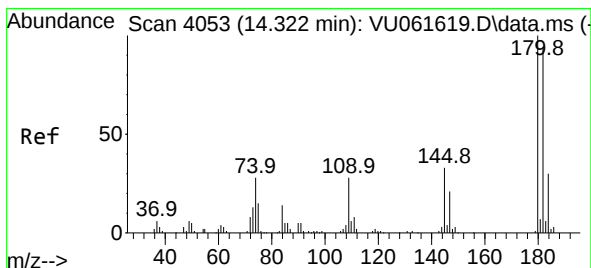
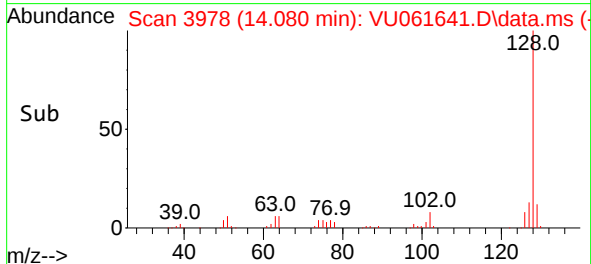
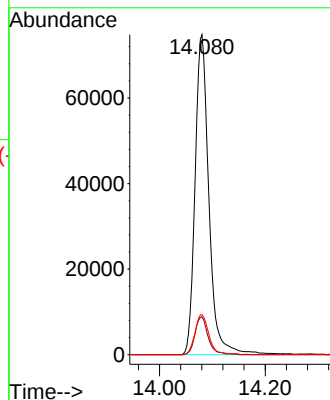
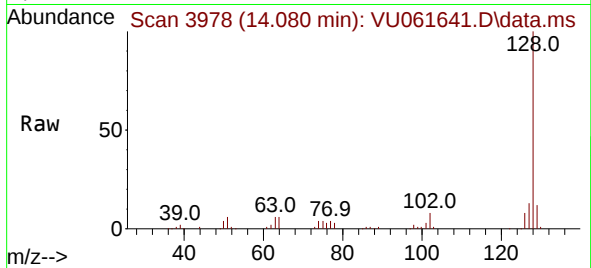




#71  
Naphthalene  
Concen: 6.128 ug/L  
RT: 14.080 min Scan# 3978  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 135885  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.5 12.7  
127 12.7 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 5.823 ug/L  
RT: 14.321 min Scan# 4053  
Delta R.T. -0.000 min  
Lab File: VU061641.D  
Acq: 13 Nov 2024 22:34

Tgt Ion:180 Resp: 75494  
Ion Ratio Lower Upper  
180 100  
182 94.0 76.6 114.8  
145 30.9 26.3 39.5

