

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011525\  
 Data File : VU062756.D  
 Acq On : 15 Jan 2025 09:57  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 16 00:37:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 15 00:31:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 99899    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 93302    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 51024    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 17315    | 3.130    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 62.600%  |
| 7) Chloroethane-d5            | 1.898  | 69    | 16926    | 3.803    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 9961     | 3.475    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.600%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 61254    | 54.169   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.340% |
| 24) Chloroform-d              | 5.049  | 84    | 63164    | 4.640    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 35020    | 4.743    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%  |
| 32) Benzene-d6                | 5.714  | 84    | 98430    | 4.316    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 28867    | 4.565    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.400%  |
| 41) Toluene-d8                | 7.888  | 98    | 95515    | 4.299    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 15431    | 4.895    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.000%  |
| 46) 2-Hexanone-d5             | 8.618  | 63    | 53510    | 53.976   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.960% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 28431    | 5.369    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 40723    | 4.797    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 45786    | 4.811    | ug/L   | 97       |
| 3) Chloromethane              | 1.515  | 50    | 27194    | 4.258    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.599  | 62    | 32088    | 4.462    | ug/L   | 100      |
| 6) Bromomethane               | 1.840  | 94    | 17716    | 3.386    | ug/L   | 91       |
| 8) Chloroethane               | 1.920  | 64    | 19435    | 4.498    | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 74451    | 5.132    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101   | 35209    | 5.023    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 30478    | 4.915    | ug/L   | 92       |
| 13) Acetone                   | 2.612  | 43    | 40715    | 45.451   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.782  | 76    | 90130    | 4.550    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.940  | 43    | 9617     | 4.958    | ug/L   | 99       |
| 16) Methylene chloride        | 3.030  | 84    | 33048    | 4.865    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 84913    | 4.982    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96    | 32666    | 4.917    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 58106    | 4.891    | ug/L   | 93       |
| 21) 2-Butanone                | 4.685  | 43    | 57459    | 48.163   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 36346    | 5.023    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.962  | 128   | 17412    | 5.098    | ug/L   | 95       |
| 25) Chloroform                | 5.074  | 83    | 71069    | 4.861    | ug/L   | 95       |

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 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 16 00:37:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 15 00:31:11 2025  
 Response via : Initial Calibration

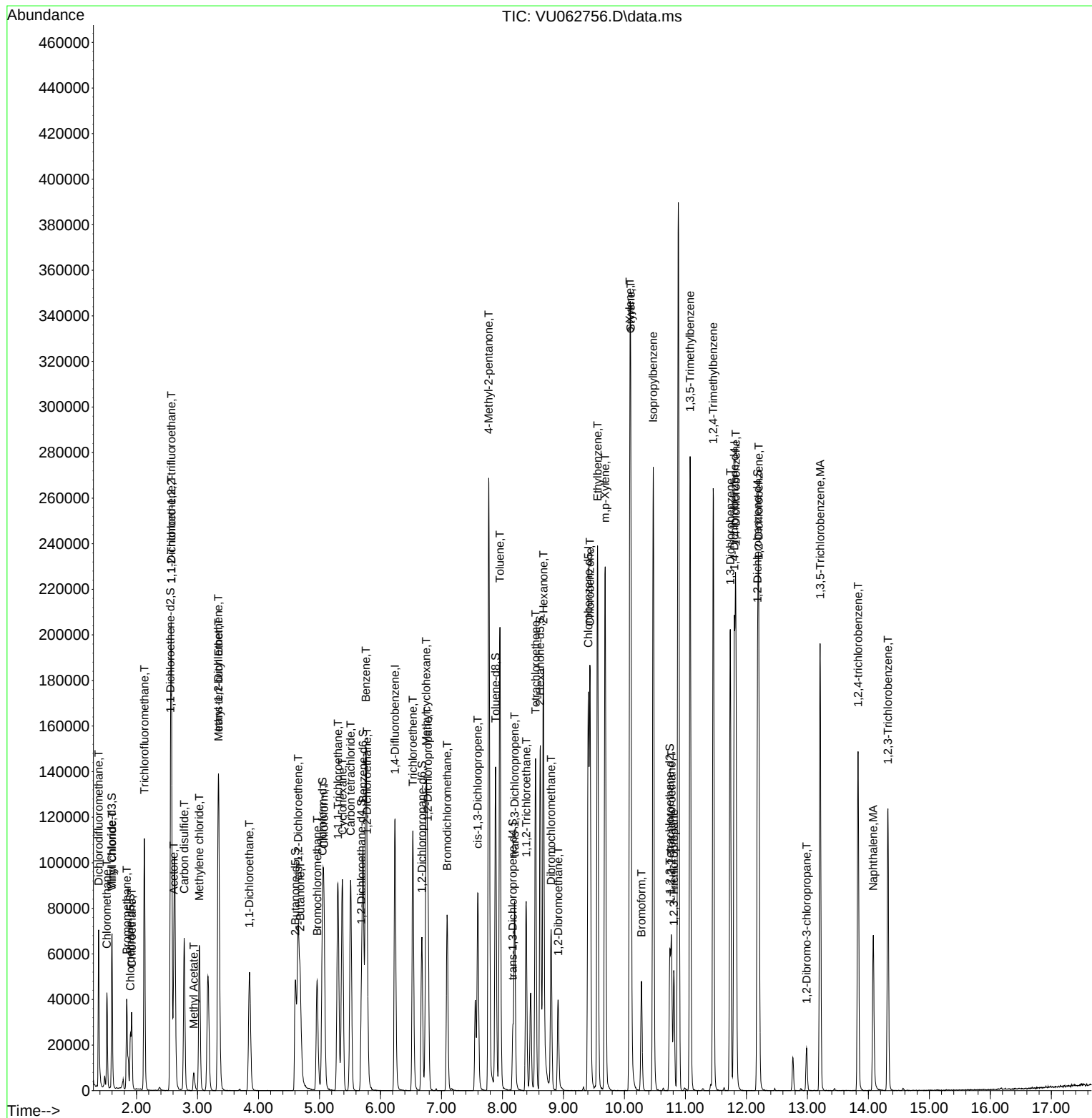
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 48742    | 5.099  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 70637    | 4.991  | ug/L   | 98       |
| 30) Cyclohexane               | 5.377  | 56   | 44083    | 4.770  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 65920    | 5.068  | ug/L   | 99       |
| 33) Benzene                   | 5.763  | 78   | 129880   | 4.845  | ug/L   | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 38770    | 4.234  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.750  | 83   | 53585    | 4.756  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 30191    | 4.774  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.094  | 83   | 51193    | 5.034  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 53701    | 4.988  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 147630   | 49.977 | ug/L   | 100      |
| 42) Toluene                   | 7.959  | 91   | 148951   | 5.071  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 48269    | 5.201  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 26690    | 5.197  | ug/L   | 90       |
| 47) Tetrachloroethene         | 8.544  | 164  | 31872    | 5.053  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.672  | 43   | 100964   | 47.542 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.798  | 129  | 35782    | 5.189  | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 25580    | 5.206  | ug/L   | 96       |
| 51) Chlorobenzene             | 9.438  | 112  | 98368    | 5.121  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.560  | 91   | 171840   | 5.155  | ug/L   | 96       |
| 53) m,p-Xylene                | 9.685  | 106  | 64965    | 5.211  | ug/L   | 97       |
| 54) o-Xylene                  | 10.090 | 106  | 61786    | 5.174  | ug/L   | 94       |
| 55) Styrene                   | 10.103 | 104  | 108091   | 5.412  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 28897    | 5.016  | ug/L # | 95       |
| 59) Bromoform                 | 10.280 | 173  | 22236    | 4.996  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.473 | 105  | 178160   | 5.067  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 21591    | 4.771  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 156892   | 5.250  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 153346   | 5.304  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 83535    | 5.125  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 84253    | 5.126  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 78128    | 5.114  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 5610     | 4.785  | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 62134    | 5.061  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 46859    | 4.739  | ug/L   | 99       |
| 71) Naphthalene               | 14.081 | 128  | 62141    | 4.295  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 38865    | 4.509  | ug/L   | 96       |

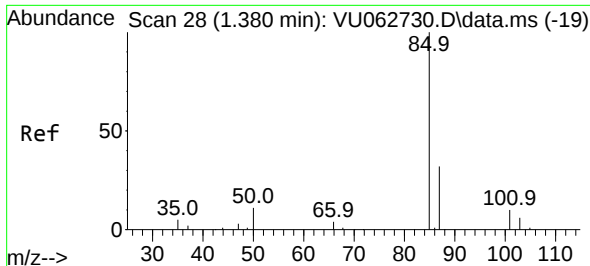
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011525\  
Data File : VU062756.D  
Acq On : 15 Jan 2025 09:57  
Operator : MD/SY  
Sample : VSTDCCC005  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jan 16 00:37:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jan 15 00:31:11 2025  
Response via : Initial Calibration

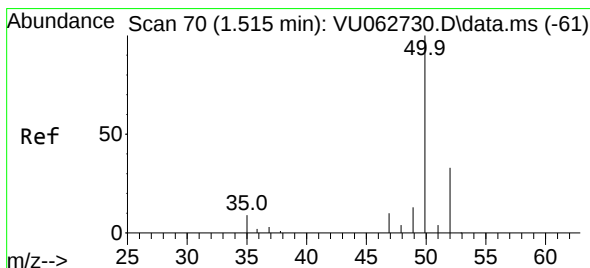
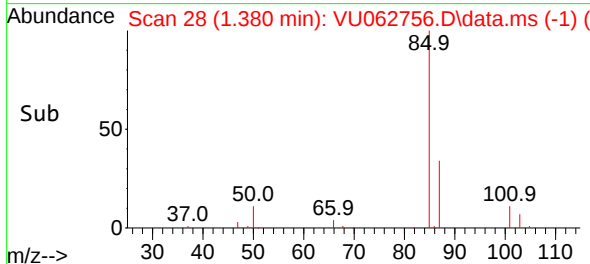
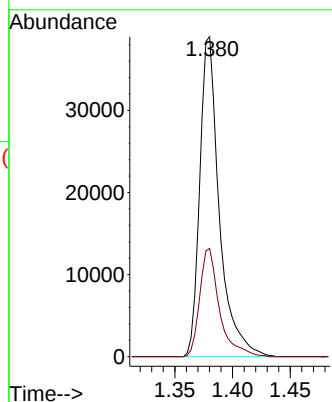
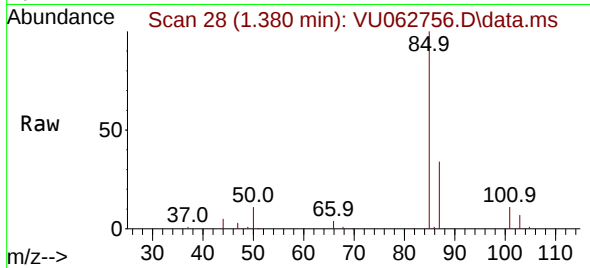




#2  
 Dichlorodifluoromethane  
 Concen: 4.811 ug/L  
 RT: 1.380 min Scan# 28  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

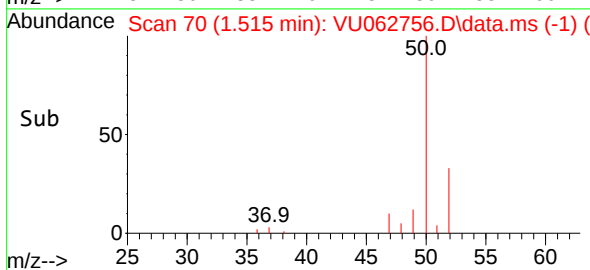
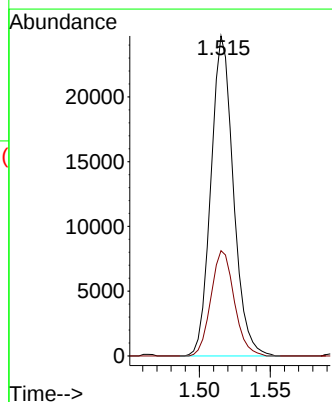
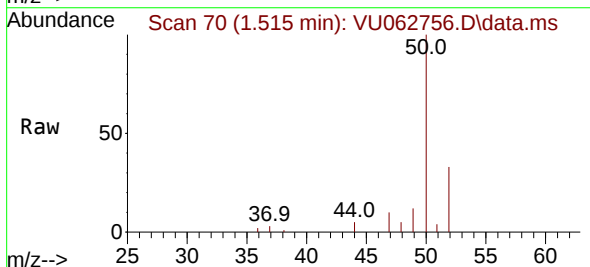
Instrument :  
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 ClientSampleId :

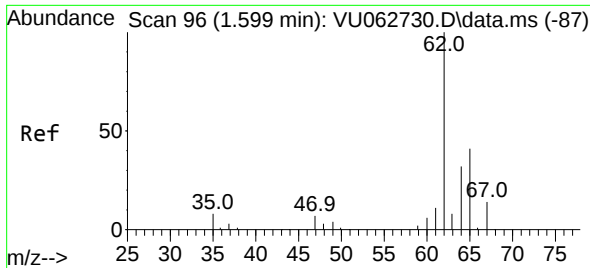
Tgt Ion: 85 Resp: 45786  
 Ion Ratio Lower Upper  
 85 100  
 87 34.2 26.1 39.1



#3  
 Chloromethane  
 Concen: 4.258 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

Tgt Ion: 50 Resp: 27194  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 24.1 44.7

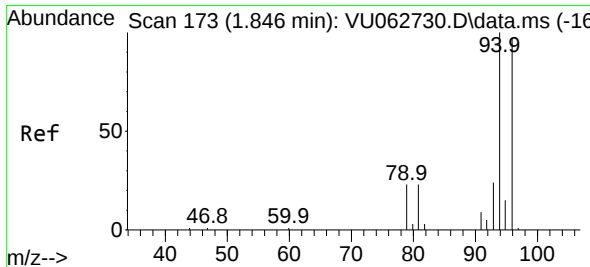
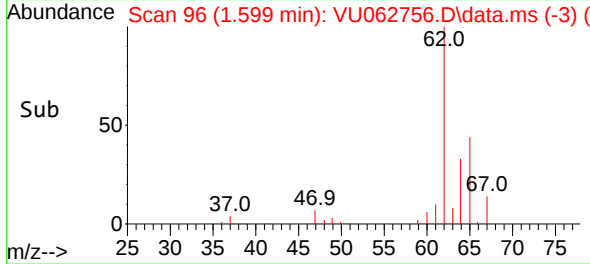
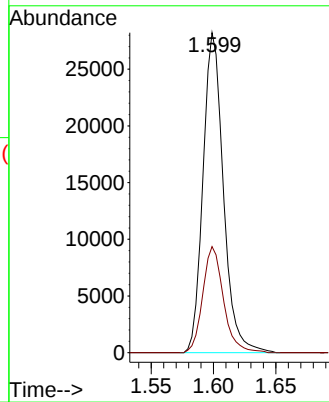
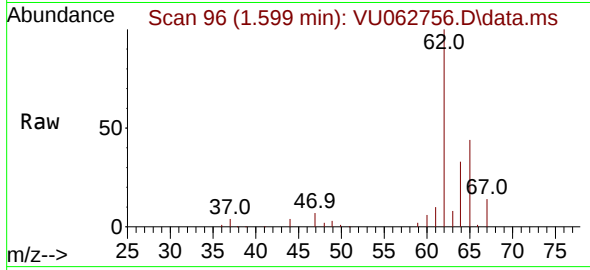




#5  
 Vinyl chloride  
 Concen: 4.462 ug/L  
 RT: 1.599 min Scan# 90  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

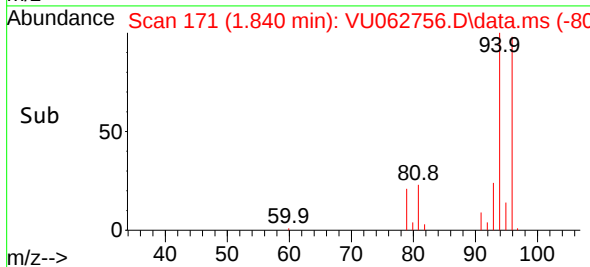
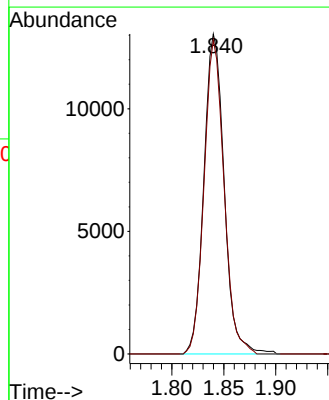
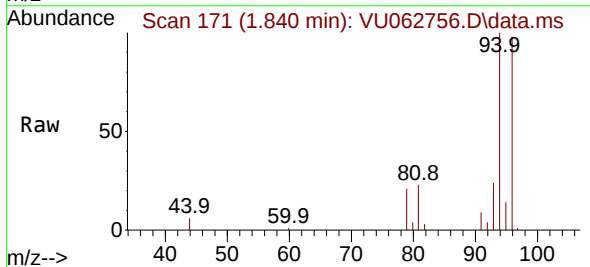
Instrument :  
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 ClientSampleId :

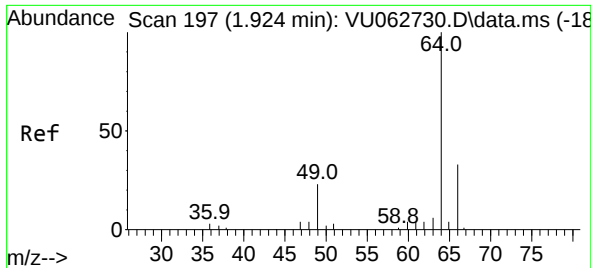
Tgt Ion: 62 Resp: 32088  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 23.4 43.4



#6  
 Bromomethane  
 Concen: 3.386 ug/L  
 RT: 1.840 min Scan# 171  
 Delta R.T. -0.007 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

Tgt Ion: 94 Resp: 17716  
 Ion Ratio Lower Upper  
 94 100  
 96 98.1 62.9 116.7

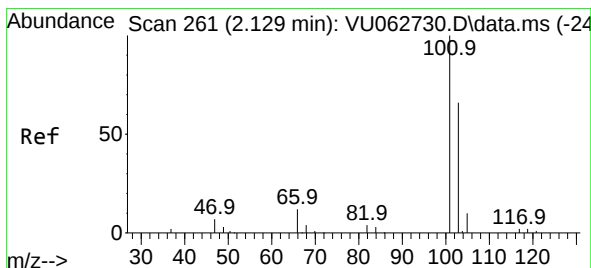
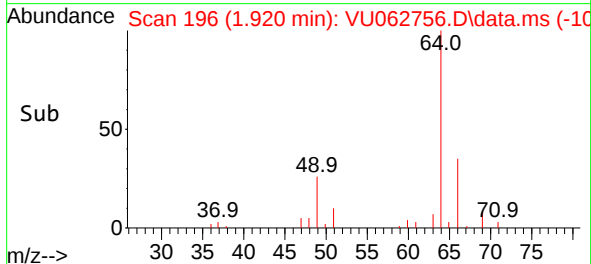
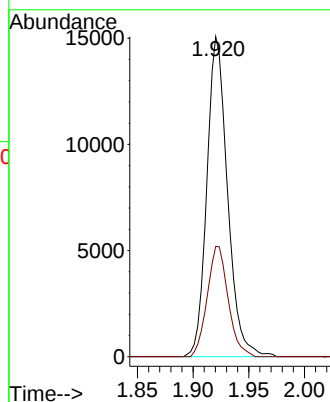
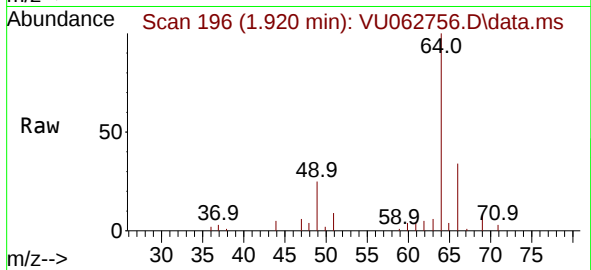




#8  
Chloroethane  
Concen: 4.498 ug/L  
RT: 1.920 min Scan# 196  
Delta R.T. -0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

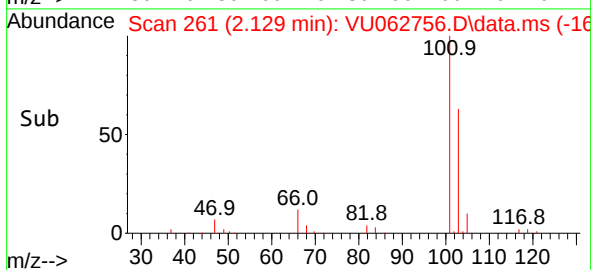
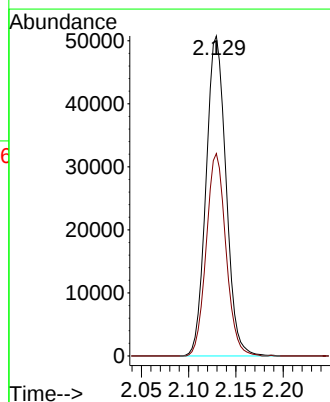
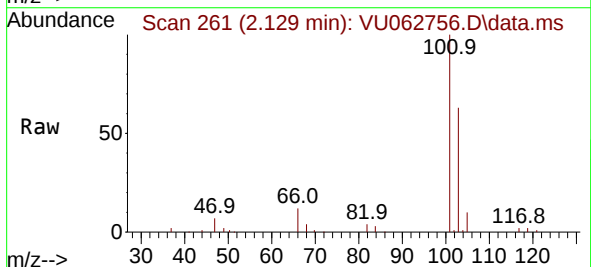
Instrument :  
MSVOA\_U  
ClientSampleId :

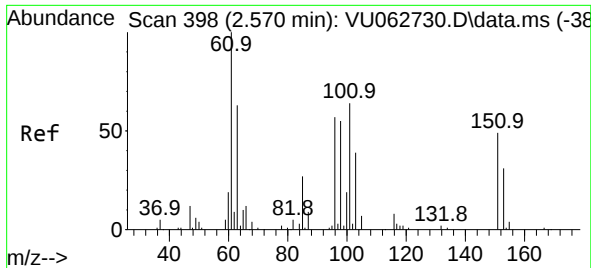
Tgt Ion: 64 Resp: 19435  
Ion Ratio Lower Upper  
64 100  
66 34.4 21.6 40.2



#9  
Trichlorofluoromethane  
Concen: 5.132 ug/L  
RT: 2.129 min Scan# 261  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:101 Resp: 74451  
Ion Ratio Lower Upper  
101 100  
103 62.4 51.4 77.0

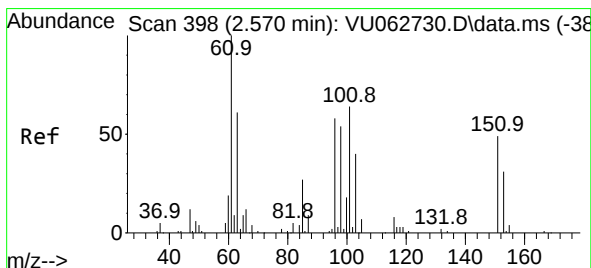
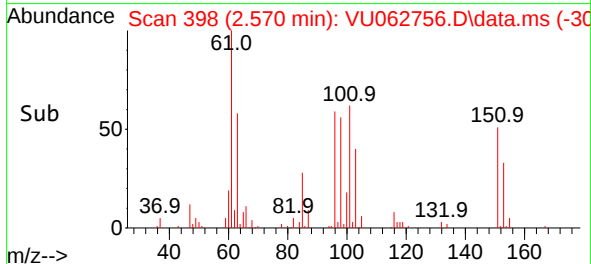
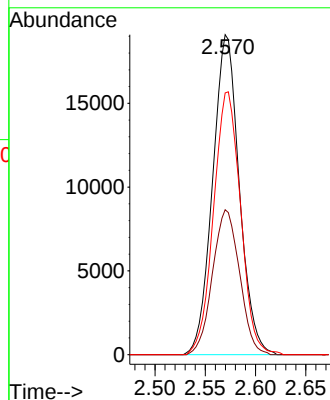
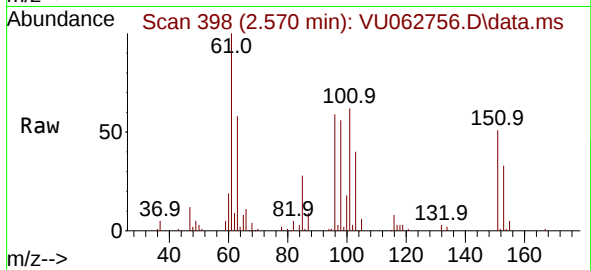




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.023 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

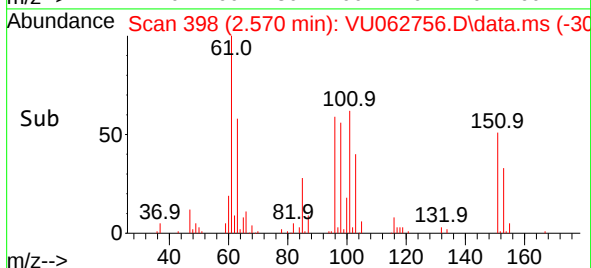
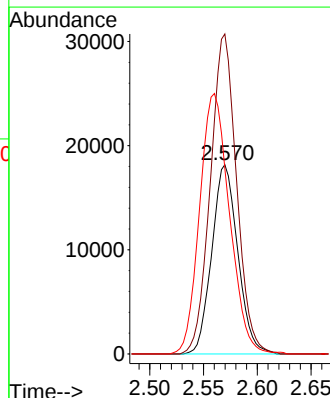
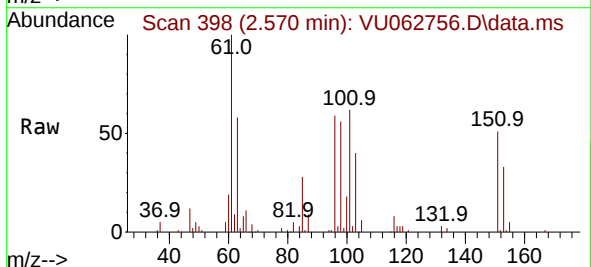
Instrument :  
 MSVOA\_U  
 ClientSampleId :

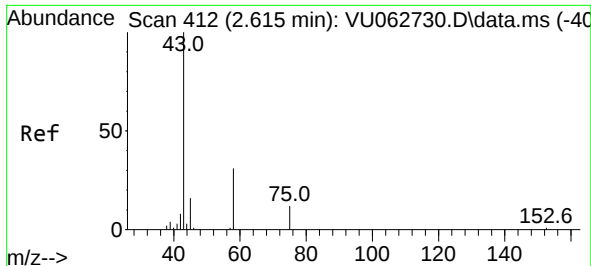
Tgt Ion:101 Resp: 35209  
 Ion Ratio Lower Upper  
 101 100  
 85 45.9 37.0 55.6  
 151 83.3 64.4 96.6



#12  
 1,1-Dichloroethene  
 Concen: 4.915 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

Tgt Ion: 96 Resp: 30478  
 Ion Ratio Lower Upper  
 96 100  
 61 169.1 120.4 223.6  
 63 98.1 82.3 152.9





#13

Acetone

Concen: 45.451 ug/L

RT: 2.612 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU062756.D

Acq: 15 Jan 2025 09:57

Instrument :

MSVOA\_U

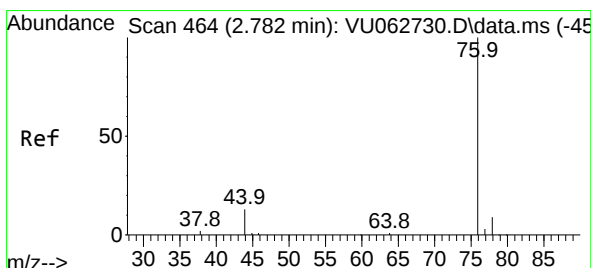
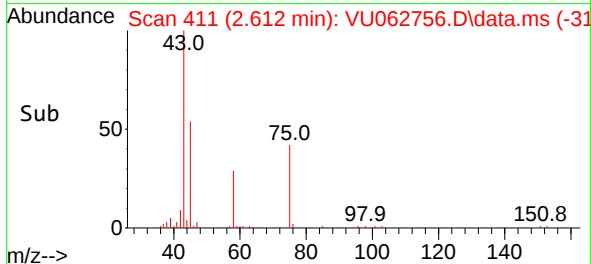
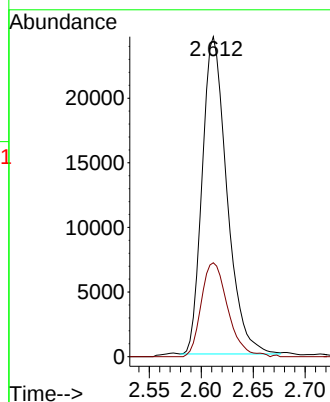
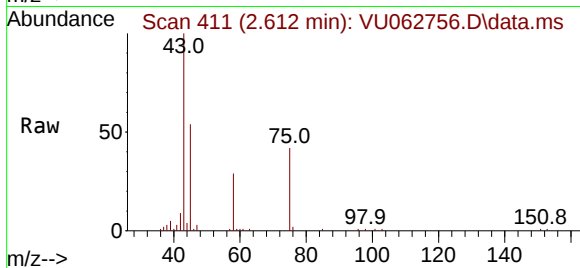
ClientSampleId :

Tgt Ion: 43 Resp: 40715

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.4



#14

Carbon disulfide

Concen: 4.550 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU062756.D

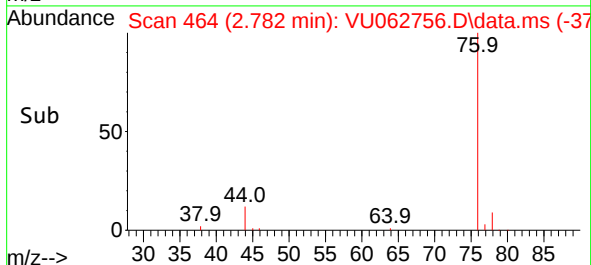
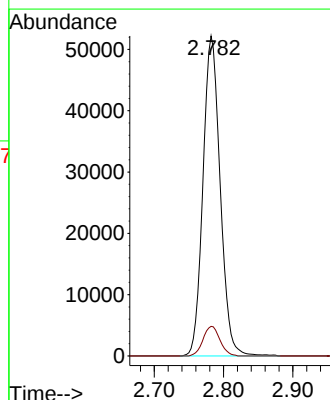
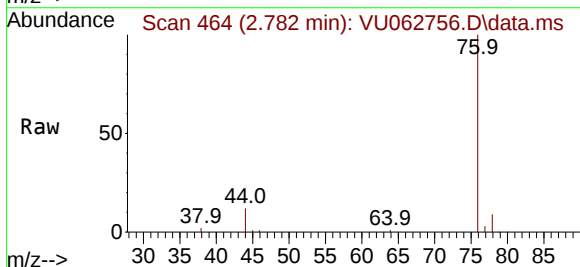
Acq: 15 Jan 2025 09:57

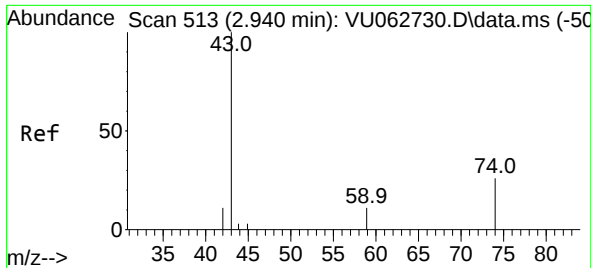
Tgt Ion: 76 Resp: 90130

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

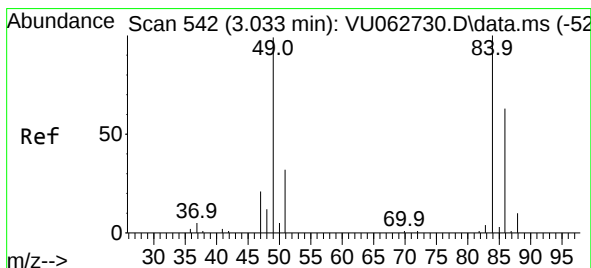
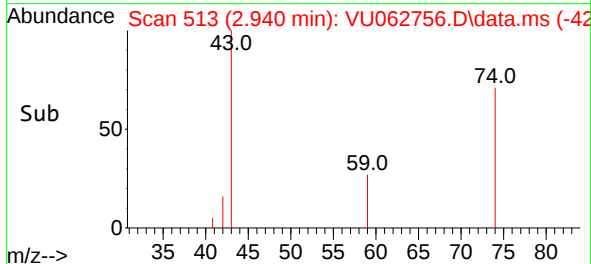
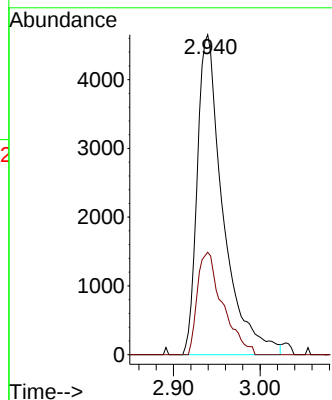
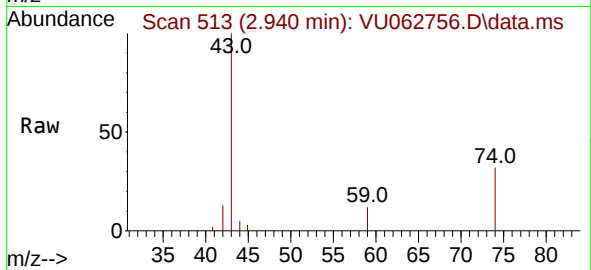




#15  
Methyl Acetate  
Concen: 4.958 ug/L  
RT: 2.940 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

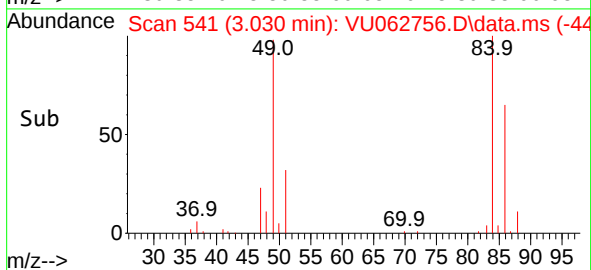
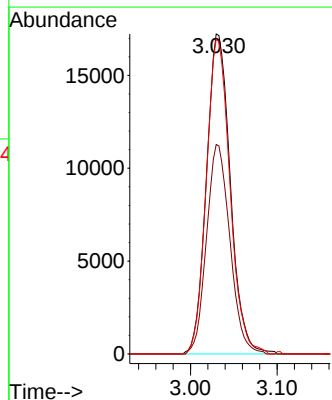
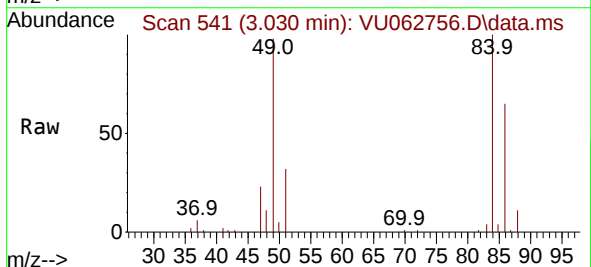
Instrument :  
MSVOA\_U  
ClientSampleId :

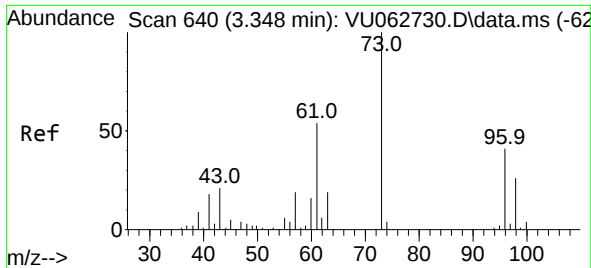
Tgt Ion: 43 Resp: 9617  
Ion Ratio Lower Upper  
43 100  
74 31.3 24.4 36.6



#16  
Methylene chloride  
Concen: 4.865 ug/L  
RT: 3.030 min Scan# 541  
Delta R.T. -0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 84 Resp: 33048  
Ion Ratio Lower Upper  
84 100  
86 65.4 44.7 83.1  
49 98.4 68.3 126.9

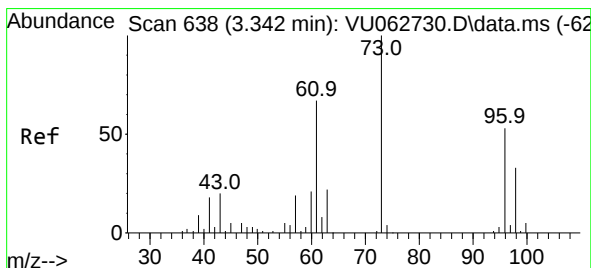
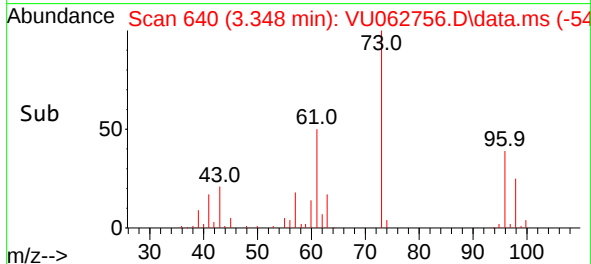
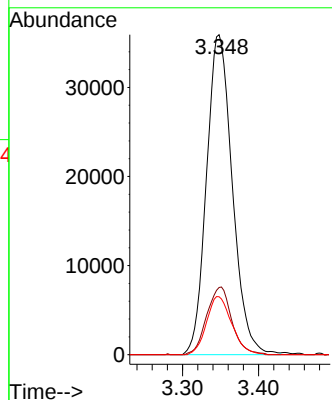
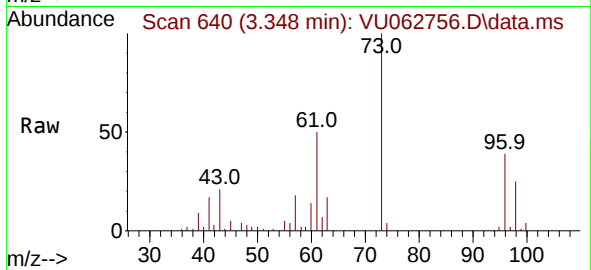




#17  
Methyl tert-butyl Ether  
Concen: 4.982 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

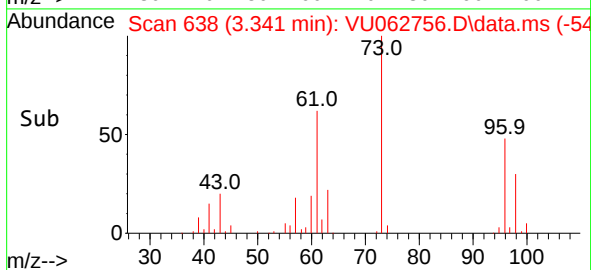
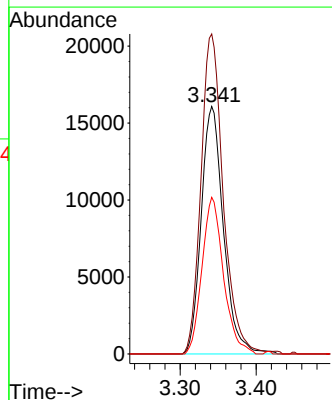
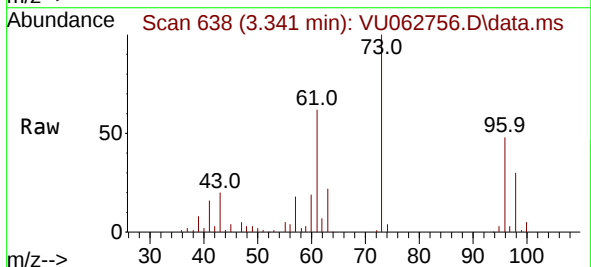
Instrument :  
MSVOA\_U  
ClientSampleId :

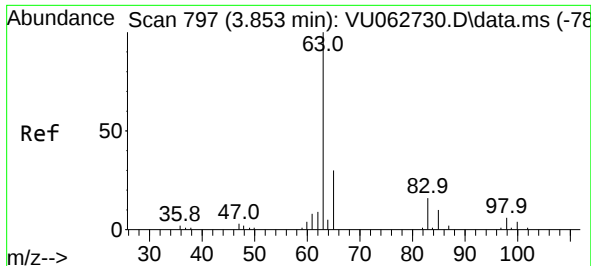
Tgt Ion: 73 Resp: 84913  
Ion Ratio Lower Upper  
73 100  
43 20.5 16.2 24.4  
57 17.7 14.6 22.0



#18  
trans-1,2-Dichloroethene  
Concen: 4.917 ug/L  
RT: 3.341 min Scan# 638  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 96 Resp: 32666  
Ion Ratio Lower Upper  
96 100  
61 129.3 94.4 175.2  
98 63.3 42.8 79.4

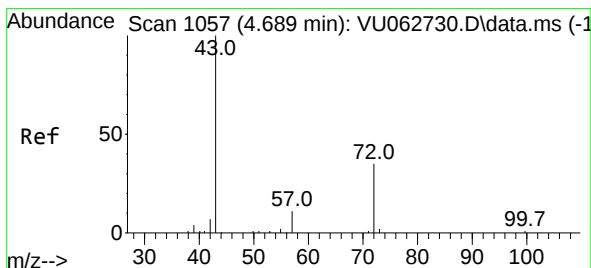
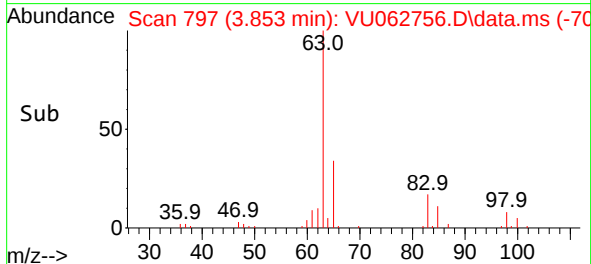
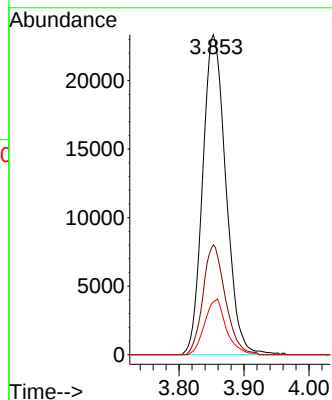
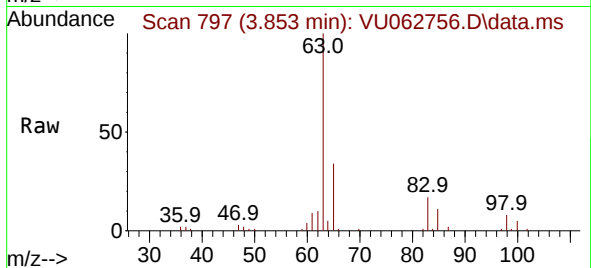




#19  
1,1-Dichloroethane  
Concen: 4.891 ug/L  
RT: 3.853 min Scan# 797  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

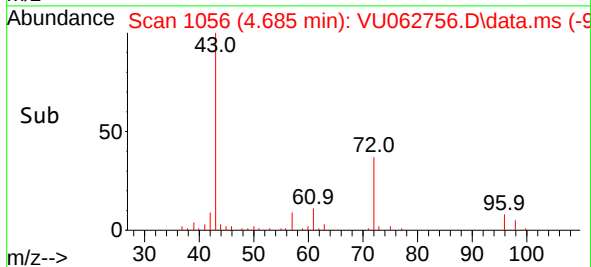
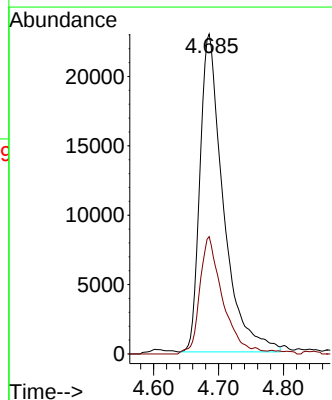
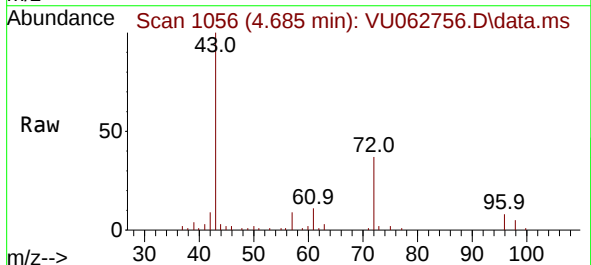
Instrument :  
MSVOA\_U  
ClientSampleId :

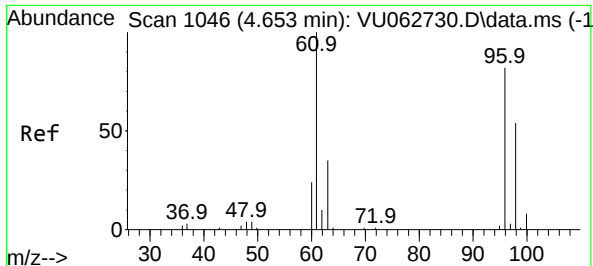
Tgt Ion: 63 Resp: 58106  
Ion Ratio Lower Upper  
63 100  
65 34.4 20.7 38.5  
83 16.6 10.5 19.5



#21  
2-Butanone  
Concen: 48.163 ug/L  
RT: 4.685 min Scan# 1056  
Delta R.T. -0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 43 Resp: 57459  
Ion Ratio Lower Upper  
43 100  
72 35.3 17.1 51.2

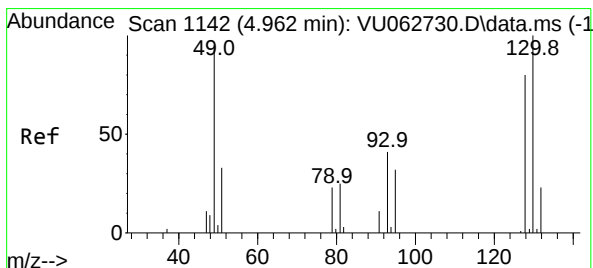
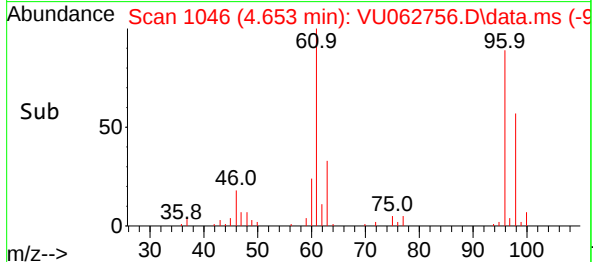
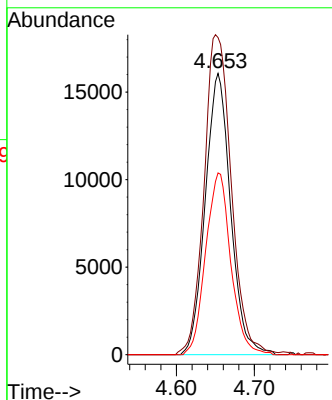
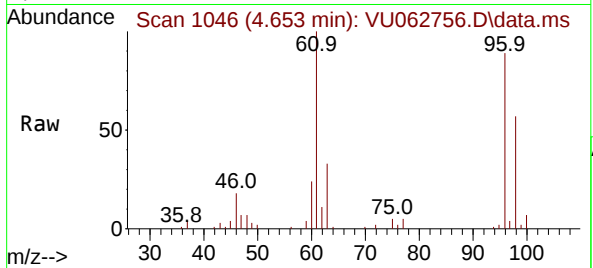




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.023 ug/L  
 RT: 4.653 min Scan# 1046  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

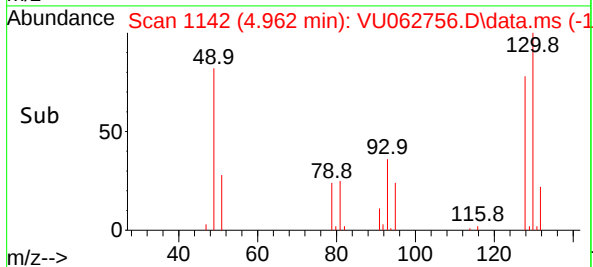
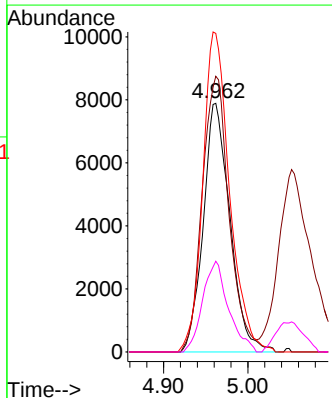
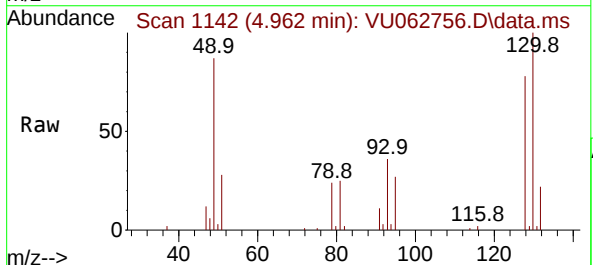
Instrument :  
 MSVOA\_U  
 ClientSampleId :

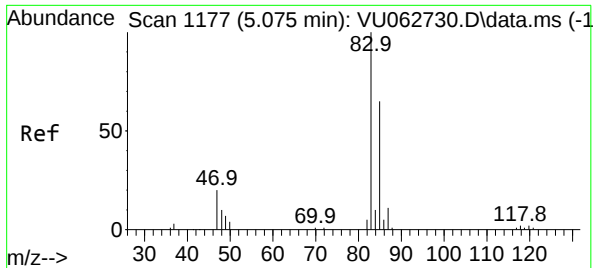
Tgt Ion: 96 Resp: 36346  
 Ion Ratio Lower Upper  
 96 100  
 61 112.7 84.8 157.6  
 98 64.6 43.1 80.1



#23  
 Bromochloromethane  
 Concen: 5.098 ug/L  
 RT: 4.962 min Scan# 1142  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

Tgt Ion: 128 Resp: 17412  
 Ion Ratio Lower Upper  
 128 100  
 49 110.8 81.1 150.7  
 130 128.1 94.9 176.3  
 51 36.5 30.6 46.0

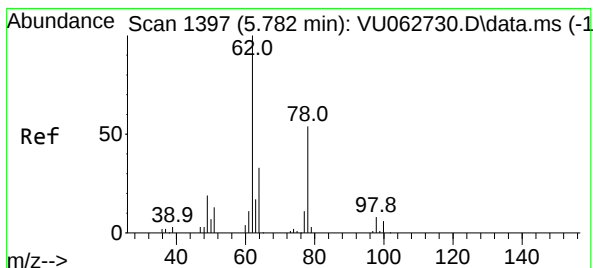
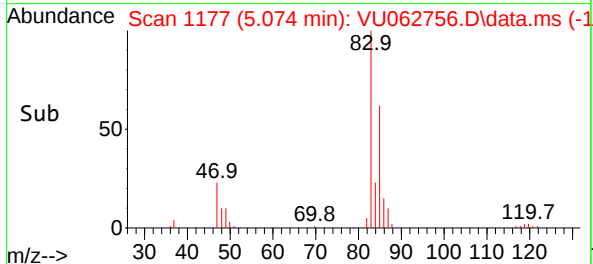
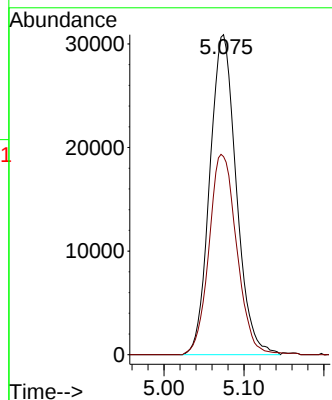
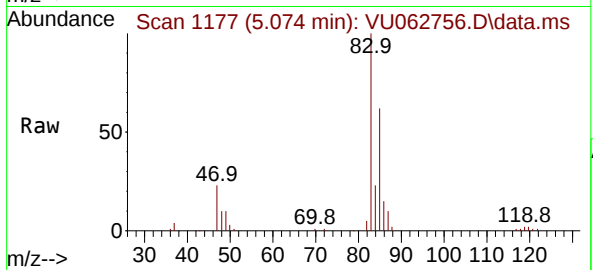




#25  
Chloroform  
Concen: 4.861 ug/L  
RT: 5.074 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

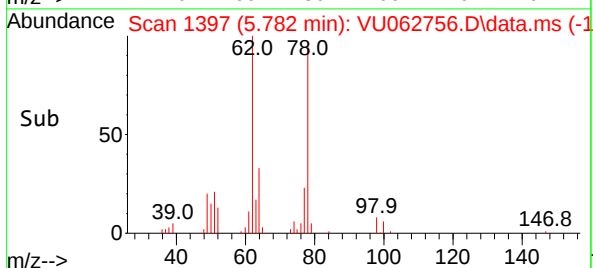
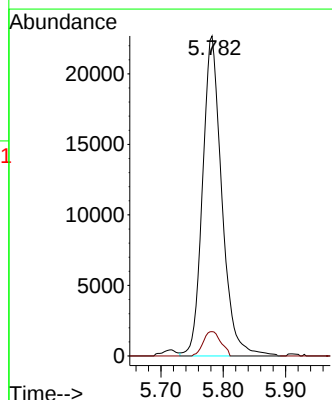
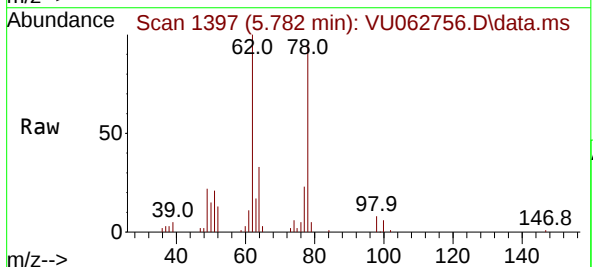
Instrument :  
MSVOA\_U  
ClientSampleId :

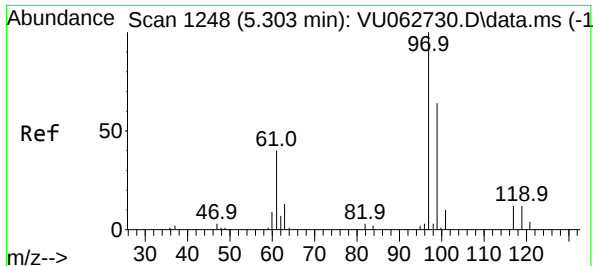
Tgt Ion: 83 Resp: 71069  
Ion Ratio Lower Upper  
83 100  
85 61.9 45.8 85.2



#27  
1,2-Dichloroethane  
Concen: 5.099 ug/L  
RT: 5.782 min Scan# 1397  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 62 Resp: 48742  
Ion Ratio Lower Upper  
62 100  
98 7.6 5.8 8.6

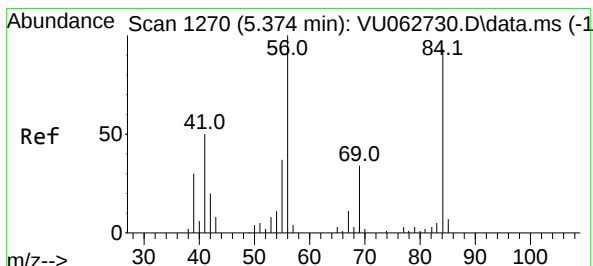
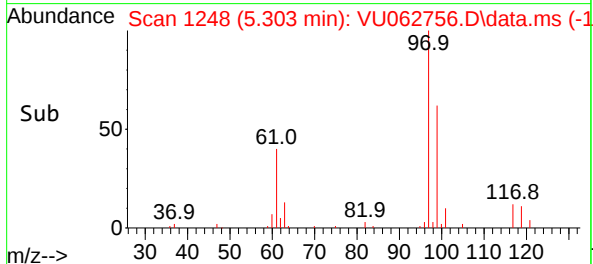
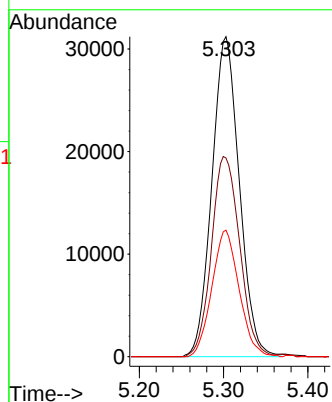
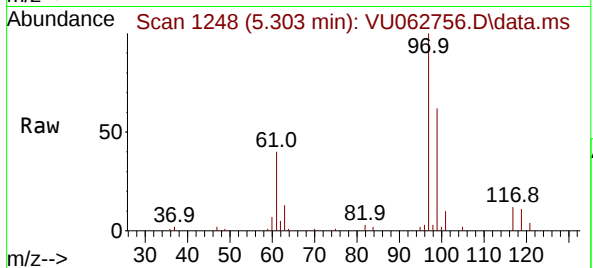




#29  
1,1,1-Trichloroethane  
Concen: 4.991 ug/L  
RT: 5.303 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

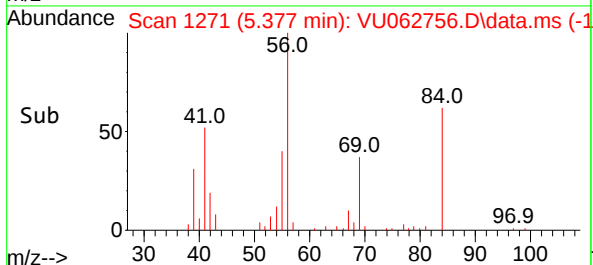
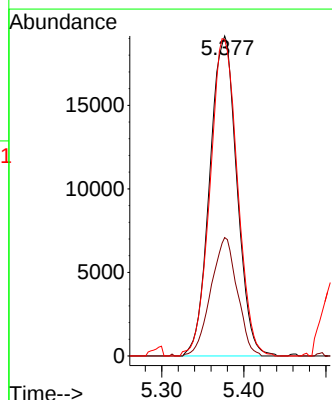
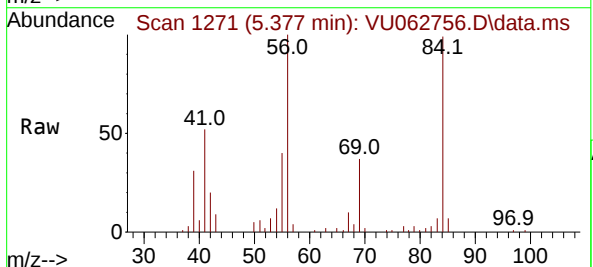
Instrument :  
MSVOA\_U  
ClientSampleId :

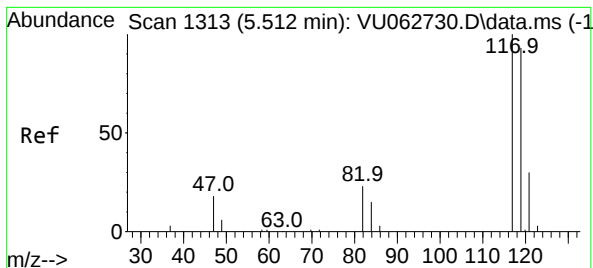
Tgt Ion: 97 Resp: 70637  
Ion Ratio Lower Upper  
97 100  
99 64.4 52.4 78.6  
61 39.2 32.2 48.4



#30  
Cyclohexane  
Concen: 4.770 ug/L  
RT: 5.377 min Scan# 1271  
Delta R.T. 0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 56 Resp: 44083  
Ion Ratio Lower Upper  
56 100  
69 35.9 28.3 42.5  
84 100.1 76.5 114.7





#31

Carbon tetrachloride

Concen: 5.068 ug/L

RT: 5.512 min Scan# 117

Delta R.T. -0.000 min

Lab File: VU062756.D

Acq: 15 Jan 2025 09:57

Instrument :

MSVOA\_U

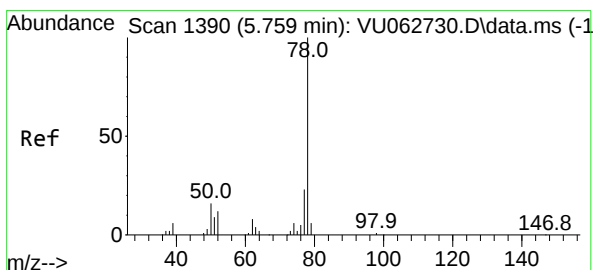
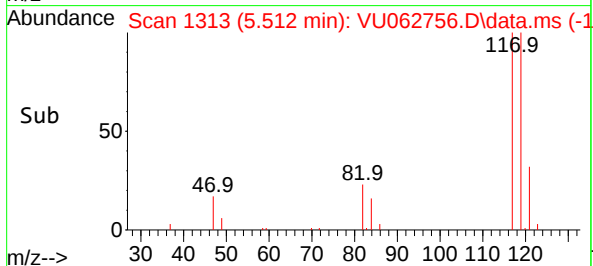
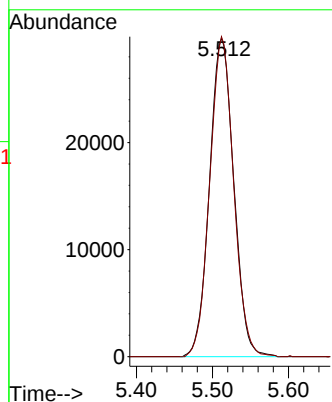
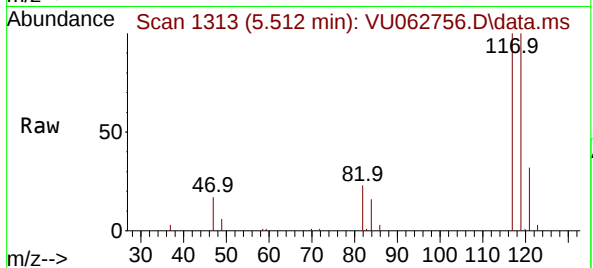
ClientSampleId :

Tgt Ion:117 Resp: 65920

Ion Ratio Lower Upper

117 100

119 98.8 78.6 118.0



#33

Benzene

Concen: 4.845 ug/L

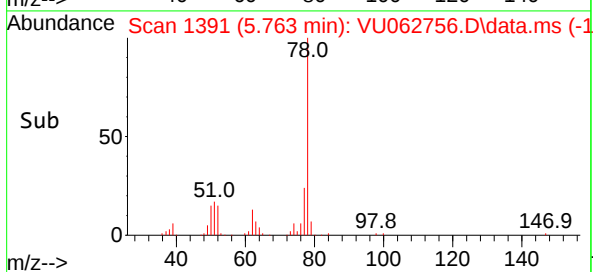
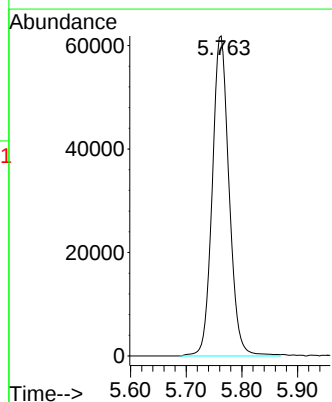
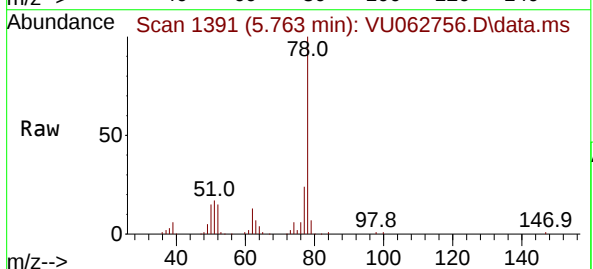
RT: 5.763 min Scan# 1391

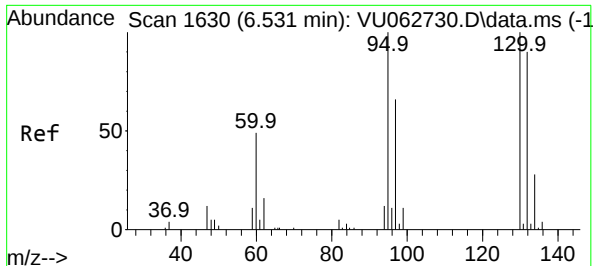
Delta R.T. 0.003 min

Lab File: VU062756.D

Acq: 15 Jan 2025 09:57

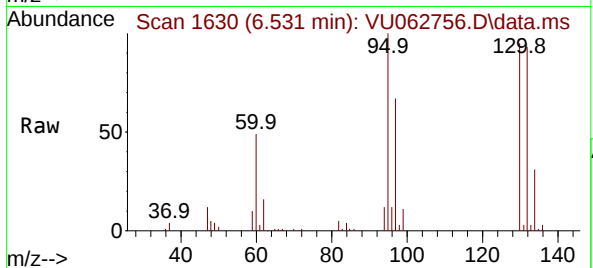
Tgt Ion: 78 Resp: 129880





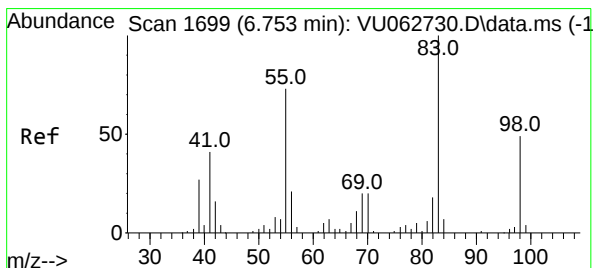
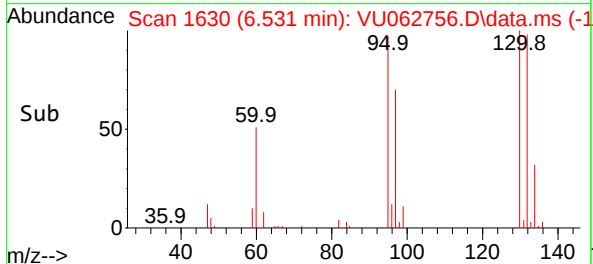
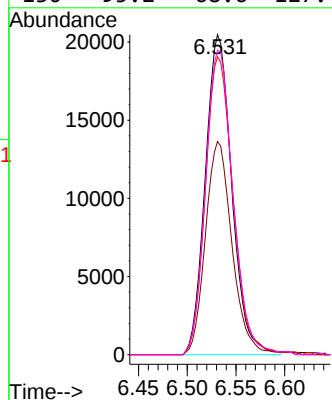
#34  
Trichloroethene  
Concen: 4.234 ug/L  
RT: 6.531 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 95 Resp: 38770

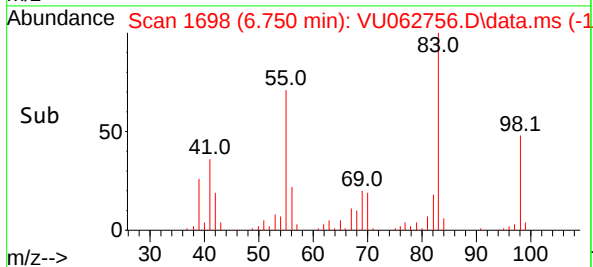
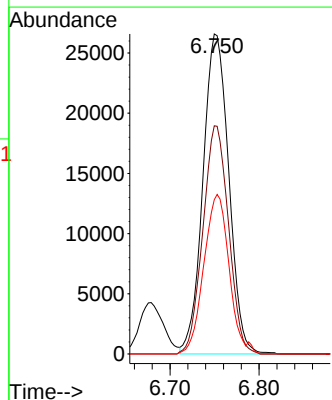
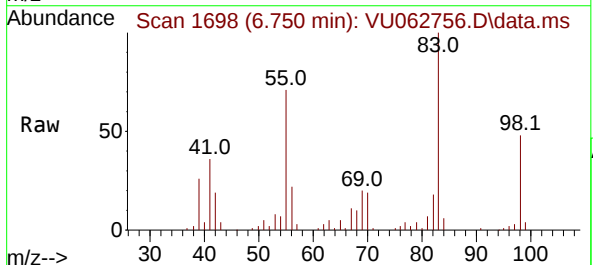
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 47.5  | 88.3  |
| 132 | 93.1  | 66.9  | 124.3 |
| 130 | 95.2  | 68.6  | 127.4 |

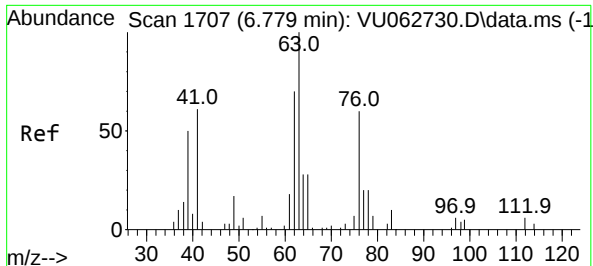


#35  
Methylcyclohexane  
Concen: 4.756 ug/L  
RT: 6.750 min Scan# 1698  
Delta R.T. -0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 83 Resp: 53585

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 70.6  | 57.2  | 85.8  |
| 98  | 48.8  | 36.6  | 55.0  |

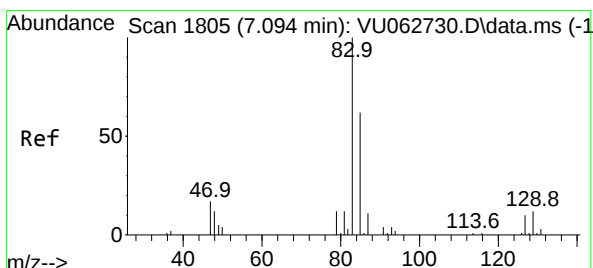
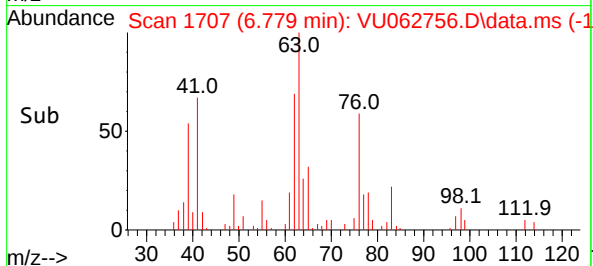
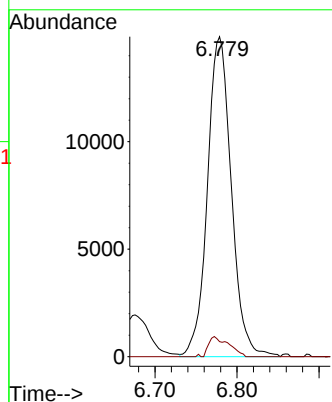
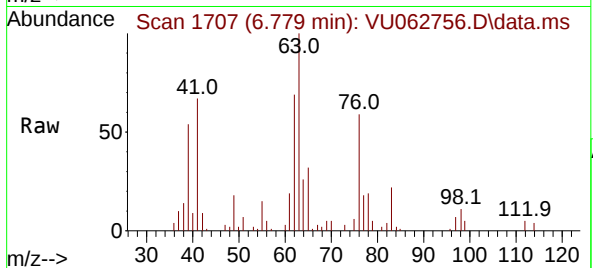




#37  
1,2-Dichloropropane  
Concen: 4.774 ug/L  
RT: 6.779 min Scan# 1707  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

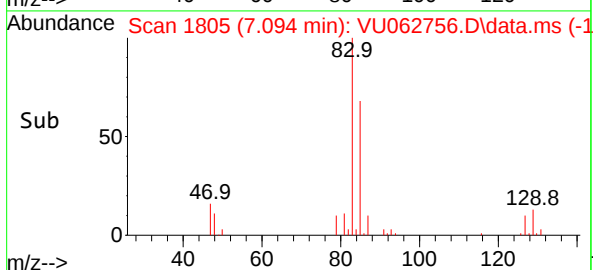
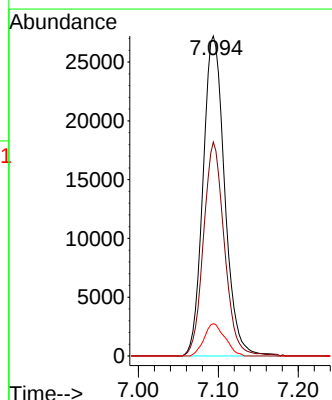
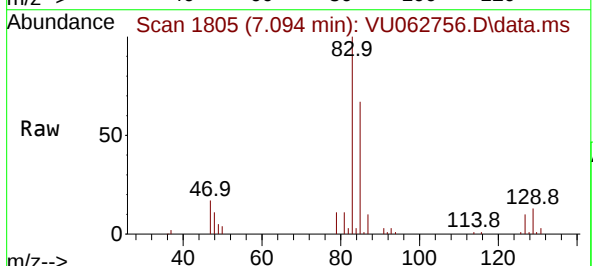
Instrument :  
MSVOA\_U  
ClientSampleId :

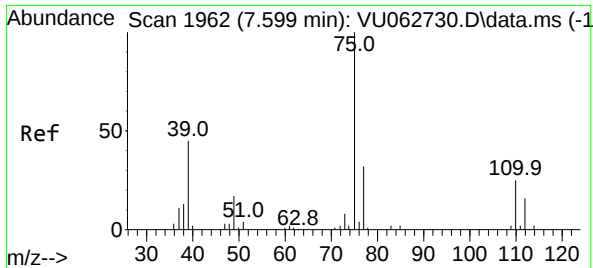
Tgt Ion: 63 Resp: 30191  
Ion Ratio Lower Upper  
63 100  
112 5.3 3.8 5.8



#38  
Bromodichloromethane  
Concen: 5.034 ug/L  
RT: 7.094 min Scan# 1805  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 83 Resp: 51193  
Ion Ratio Lower Upper  
83 100  
85 66.9 44.2 82.0  
127 10.1 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 4.988 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU062756.D

Acq: 15 Jan 2025 09:57

Instrument :

MSVOA\_U

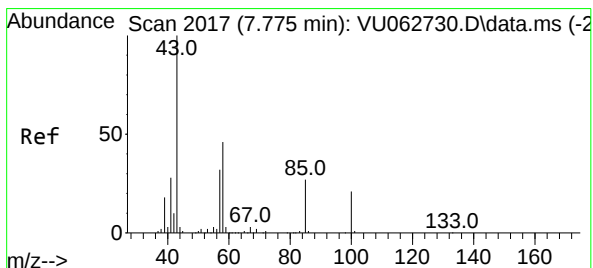
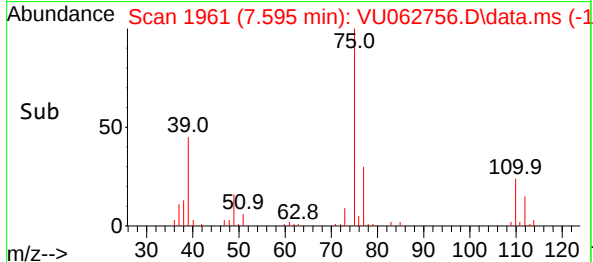
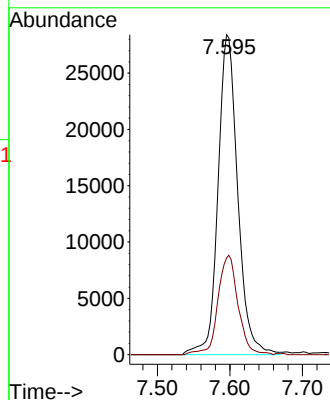
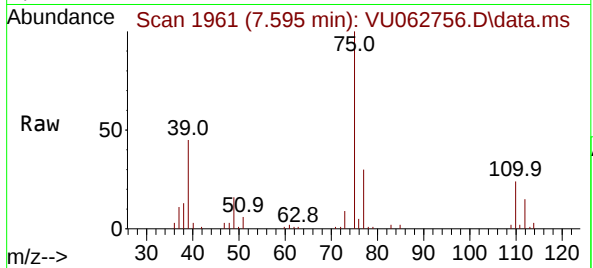
ClientSampleId :

Tgt Ion: 75 Resp: 53701

Ion Ratio Lower Upper

75 100

77 30.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 49.977 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. -0.000 min

Lab File: VU062756.D

Acq: 15 Jan 2025 09:57

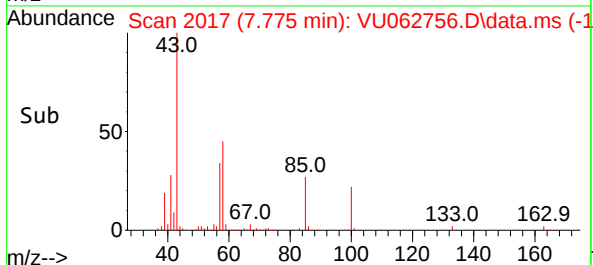
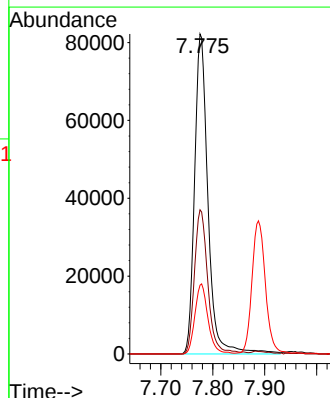
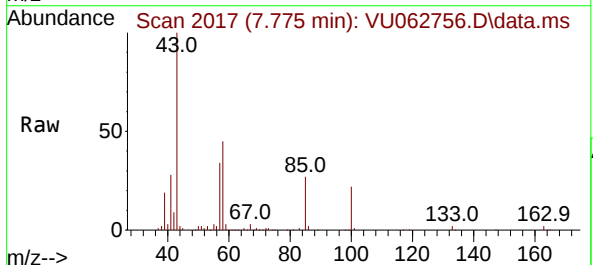
Tgt Ion: 43 Resp: 147630

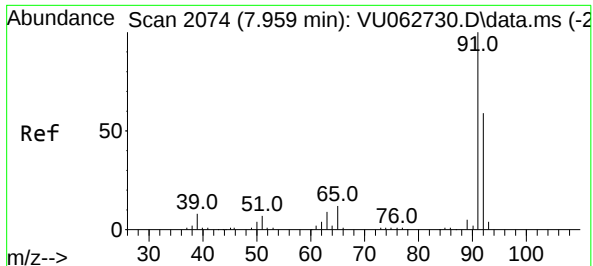
Ion Ratio Lower Upper

43 100

58 44.9 35.8 53.8

100 21.3 16.8 25.2





#42

Toluene

Concen: 5.071 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

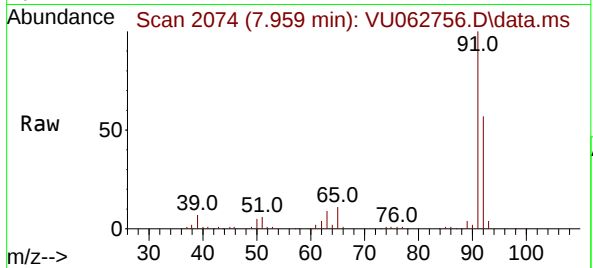
Lab File: VU062756.D

Acq: 15 Jan 2025 09:57

Instrument :

MSVOA\_U

ClientSampleId :

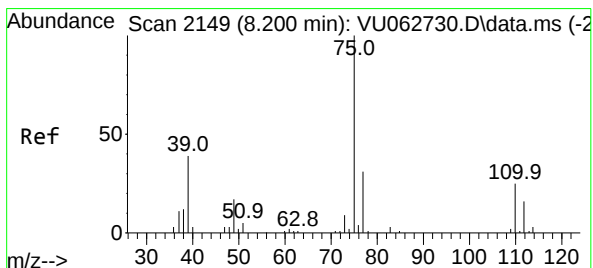
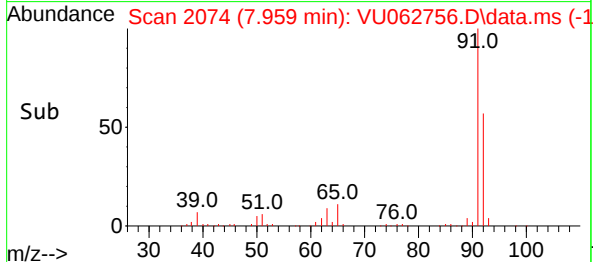
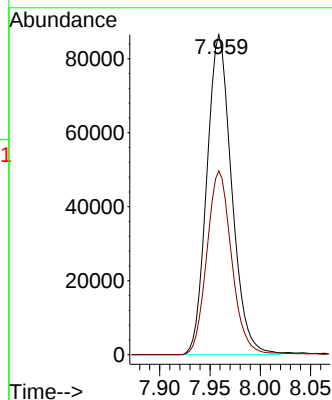


Tgt Ion: 91 Resp: 148951

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.201 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU062756.D

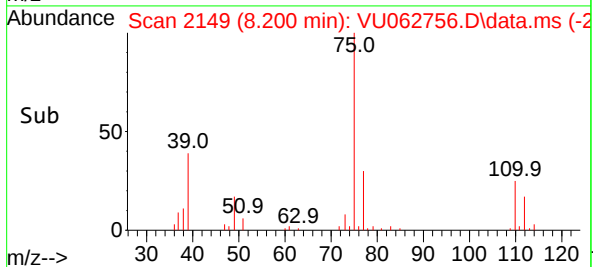
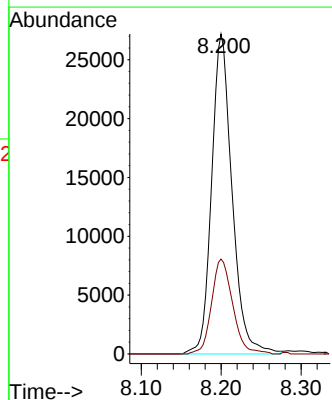
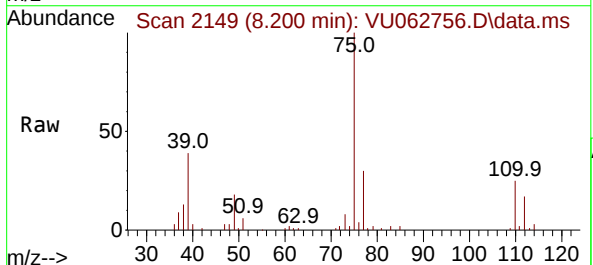
Acq: 15 Jan 2025 09:57

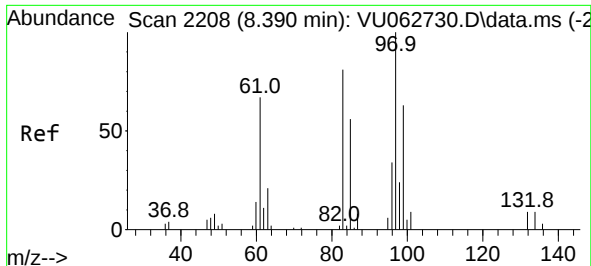
Tgt Ion: 75 Resp: 48269

Ion Ratio Lower Upper

75 100

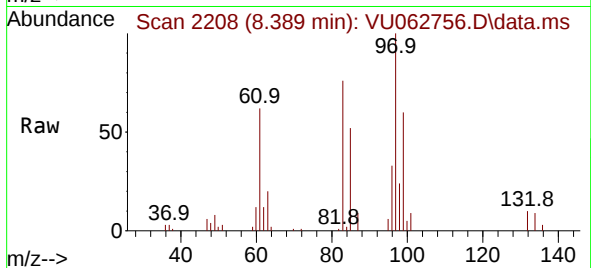
77 29.7 21.8 40.6



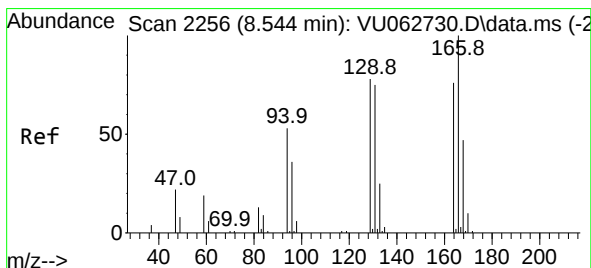
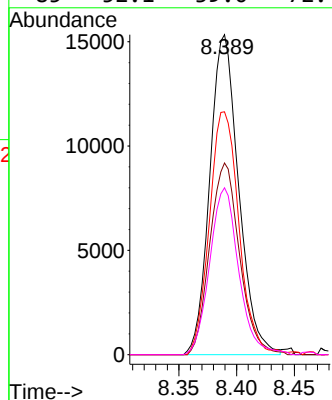
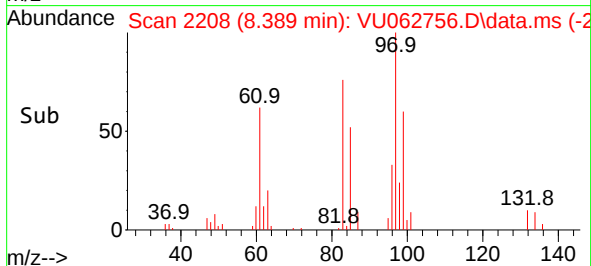


#45  
1,1,2-Trichloroethane  
Concen: 5.197 ug/L  
RT: 8.389 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

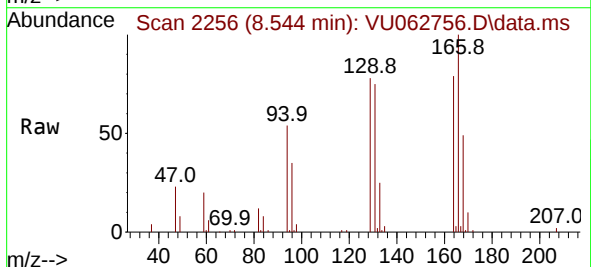
Instrument :  
MSVOA\_U  
ClientSampleId :



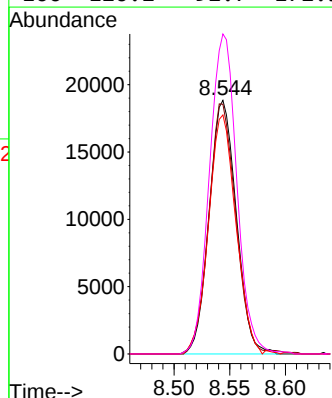
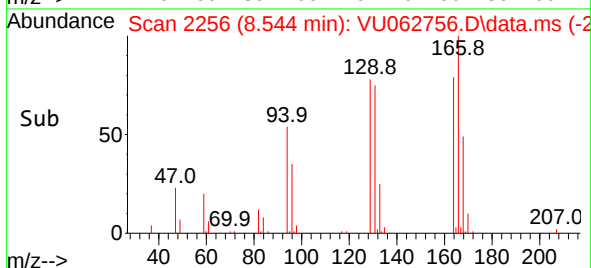
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 26690 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 59.9  | 45.6  | 84.6  |
| 83       | 75.9  | 63.0  | 117.0 |
| 85       | 52.1  | 39.0  | 72.4  |

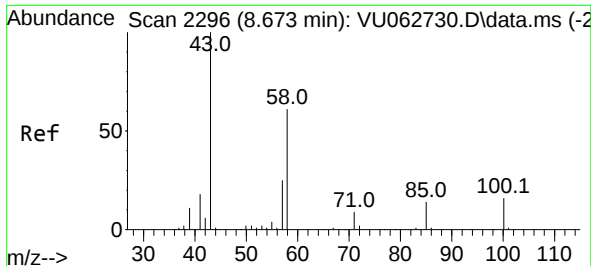


#47  
Tetrachloroethene  
Concen: 5.053 ug/L  
RT: 8.544 min Scan# 2256  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 31872 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.5  | 71.0  | 131.9 |
| 131      | 94.2  | 69.4  | 129.0 |
| 166      | 126.2 | 92.7  | 172.3 |

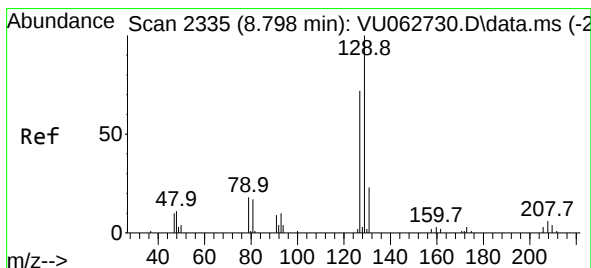
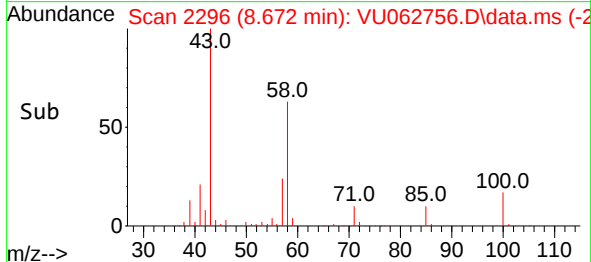
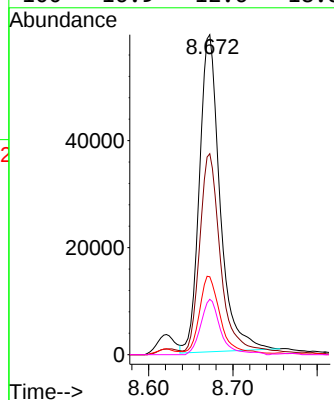
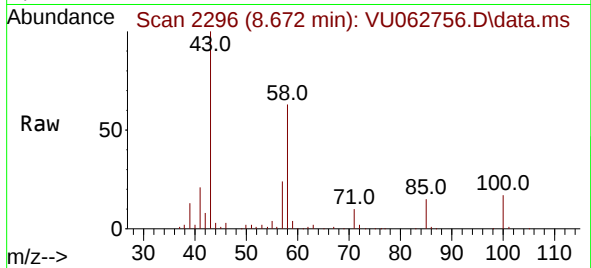




#48  
2-Hexanone  
Concen: 47.542 ug/L  
RT: 8.672 min Scan# 2296  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

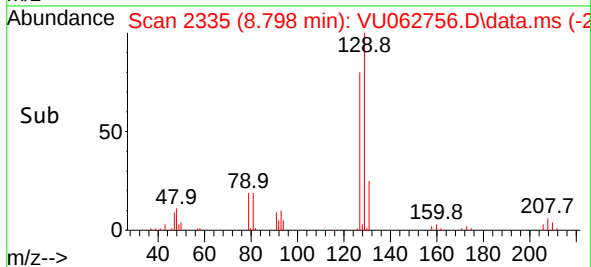
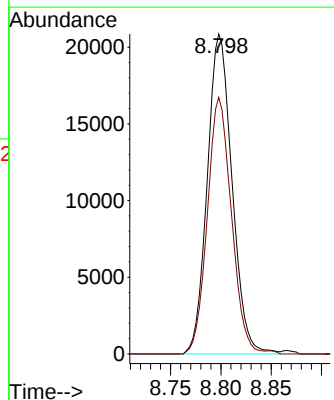
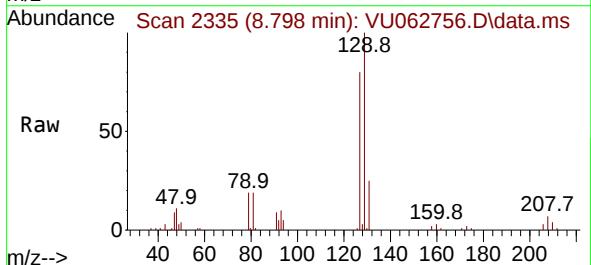
Instrument :  
MSVOA\_U  
ClientSampleId :

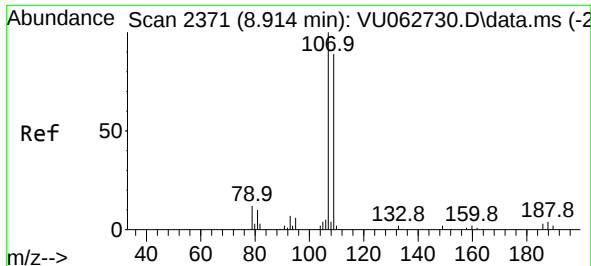
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 100964 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 64.2  | 50.2  | 75.4   |
| 57       | 24.5  | 19.9  | 29.9   |
| 100      | 16.9  | 12.6  | 18.8   |



#49  
Dibromochloromethane  
Concen: 5.189 ug/L  
RT: 8.798 min Scan# 2335  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

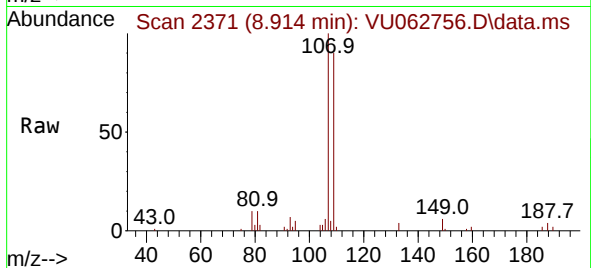
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 35782 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 80.2  | 52.1  | 96.9  |



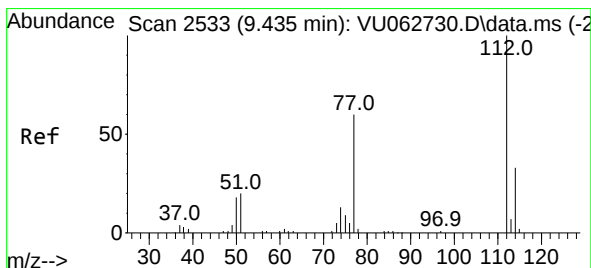
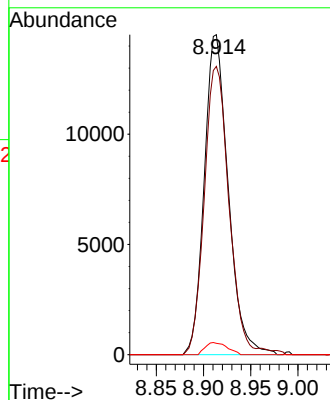
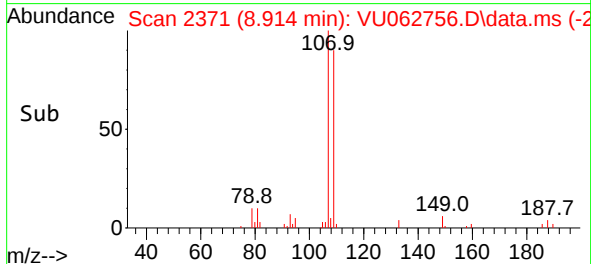


#50  
1,2-Dibromoethane  
Concen: 5.206 ug/L  
RT: 8.914 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Instrument :  
MSVOA\_U  
ClientSampleId :

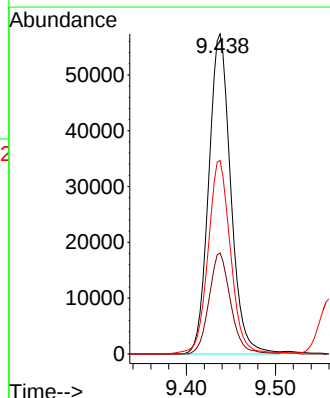
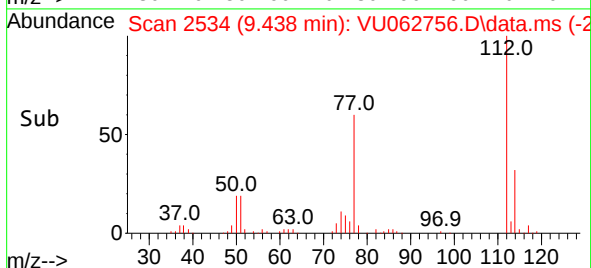
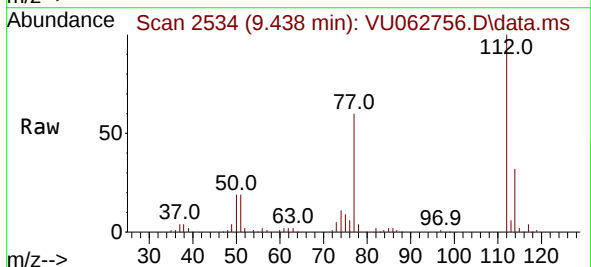


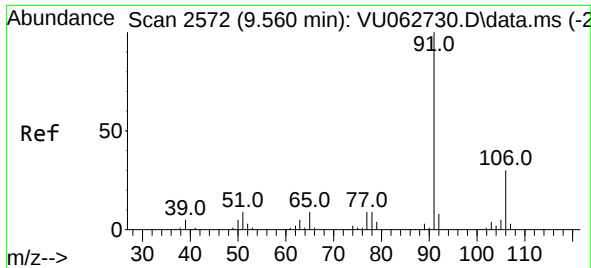
Tgt Ion:107 Resp: 25580  
Ion Ratio Lower Upper  
107 100  
109 90.1 65.7 121.9  
188 3.5 3.4 5.2



#51  
Chlorobenzene  
Concen: 5.121 ug/L  
RT: 9.438 min Scan# 2534  
Delta R.T. 0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:112 Resp: 98368  
Ion Ratio Lower Upper  
112 100  
114 31.6 21.7 40.3  
77 60.4 48.6 73.0

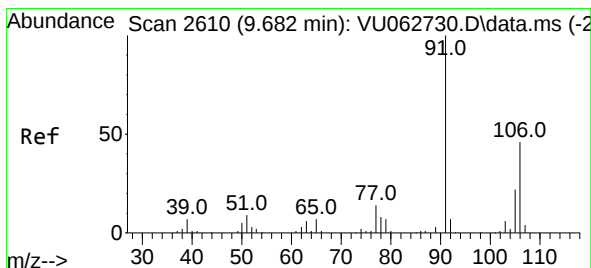
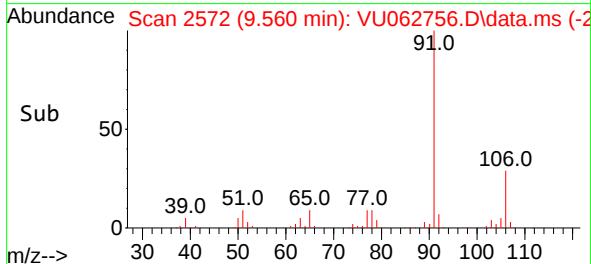
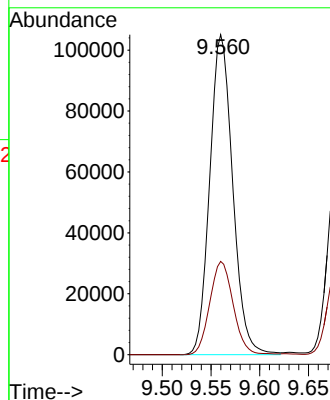
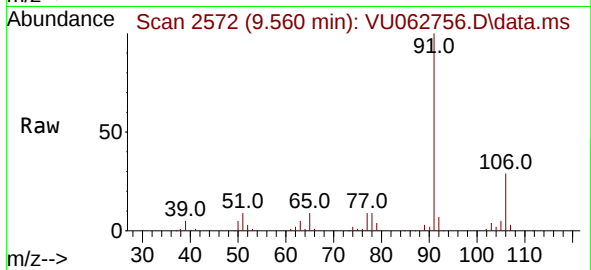




#52  
Ethylbenzene  
Concen: 5.155 ug/L  
RT: 9.560 min Scan# 2572  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

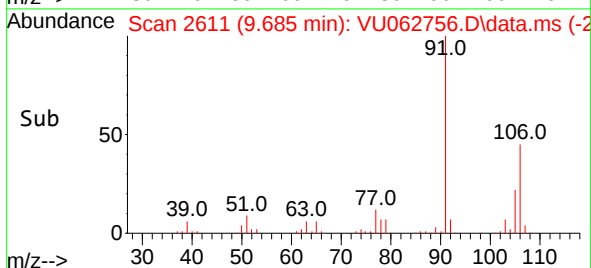
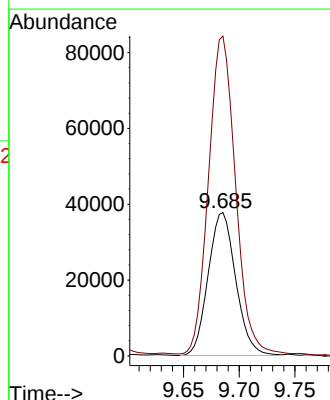
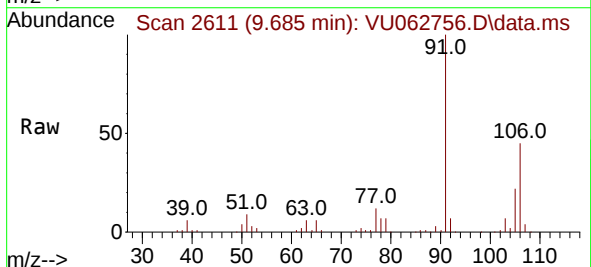
Instrument :  
MSVOA\_U  
ClientSampleId :

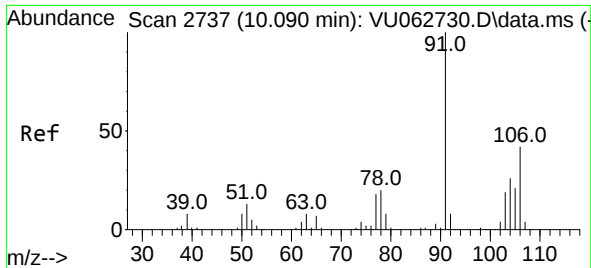
Tgt Ion: 91 Resp: 171840  
Ion Ratio Lower Upper  
91 100  
106 29.2 21.9 40.7



#53  
m,p-Xylene  
Concen: 5.211 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:106 Resp: 64965  
Ion Ratio Lower Upper  
106 100  
91 223.1 153.1 284.3

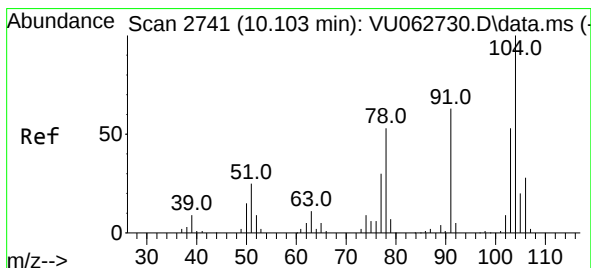
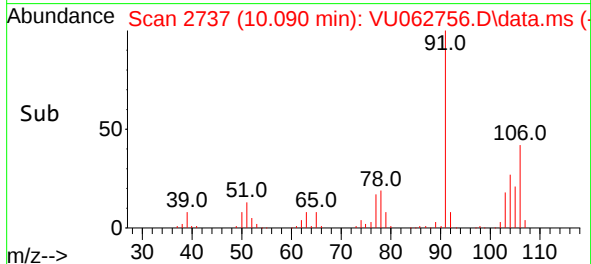
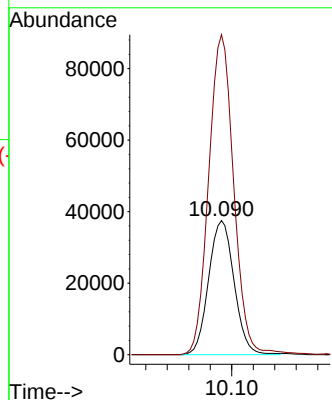
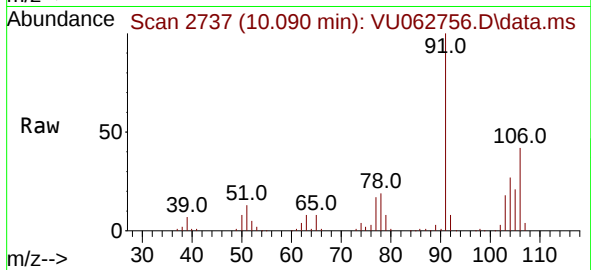




#54  
o-Xylene  
Concen: 5.174 ug/L  
RT: 10.090 min Scan# 2737  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

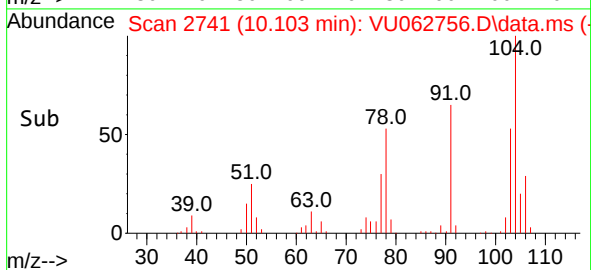
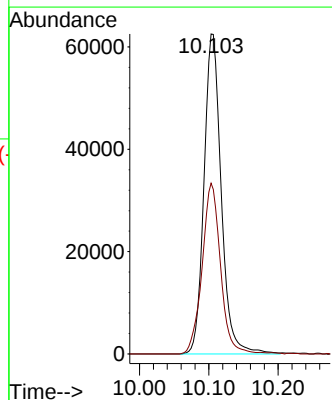
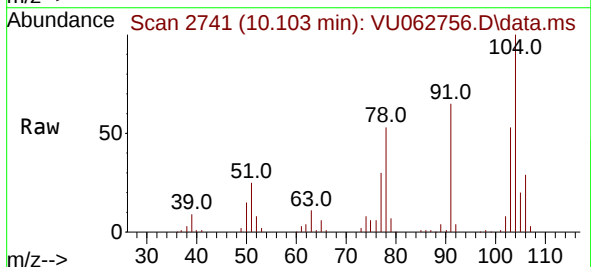
Instrument :  
MSVOA\_U  
ClientSampleId :

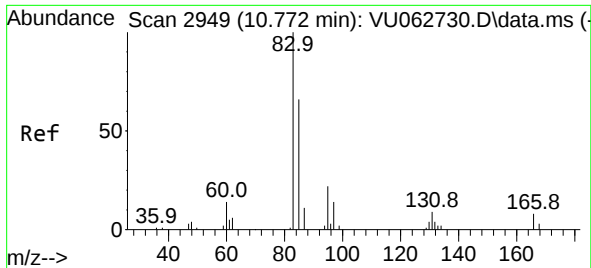
Tgt Ion:106 Resp: 61786  
Ion Ratio Lower Upper  
106 100  
91 238.5 160.4 297.8



#55  
Styrene  
Concen: 5.412 ug/L  
RT: 10.103 min Scan# 2741  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:104 Resp: 108091  
Ion Ratio Lower Upper  
104 100  
78 53.4 35.5 65.9

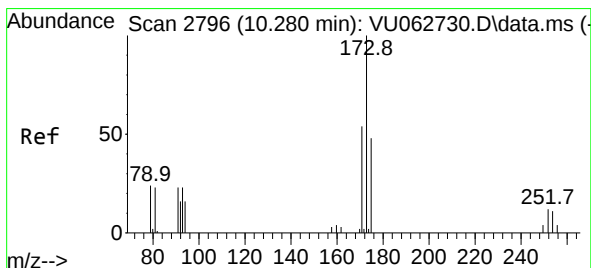
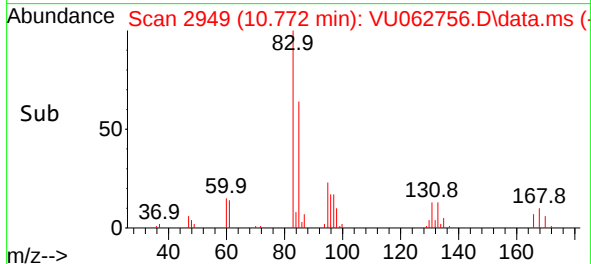
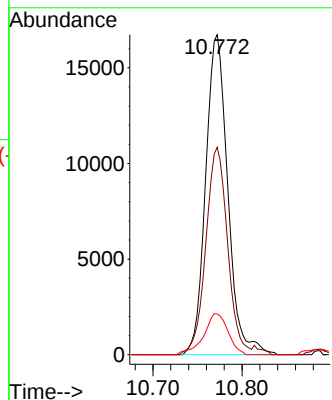
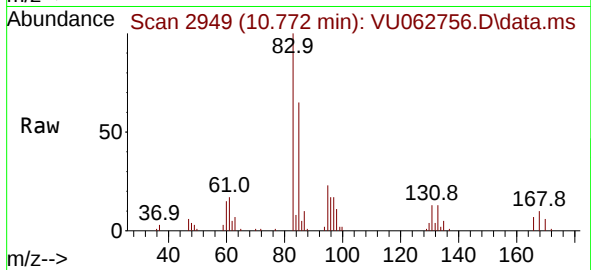




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.016 ug/L  
RT: 10.772 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

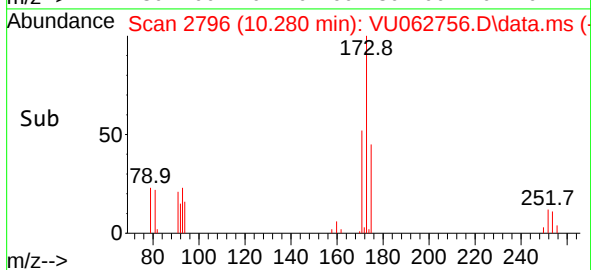
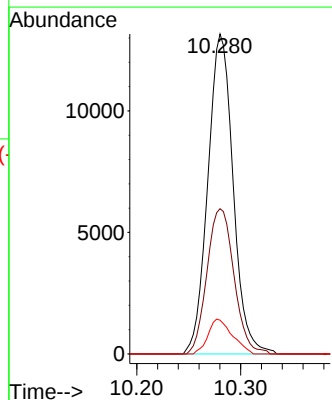
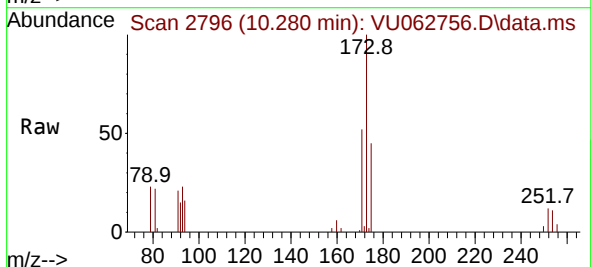
Instrument :  
MSVOA\_U  
ClientSampleId :

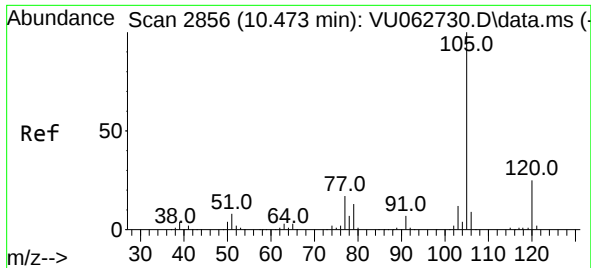
Tgt Ion: 83 Resp: 28897  
Ion Ratio Lower Upper  
83 100  
85 64.8 43.0 79.8  
131 12.7 7.4 11.0#



#59  
Bromoform  
Concen: 4.996 ug/L  
RT: 10.280 min Scan# 2796  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:173 Resp: 22236  
Ion Ratio Lower Upper  
173 100  
175 48.5 39.8 59.8  
254 10.4 8.6 12.8

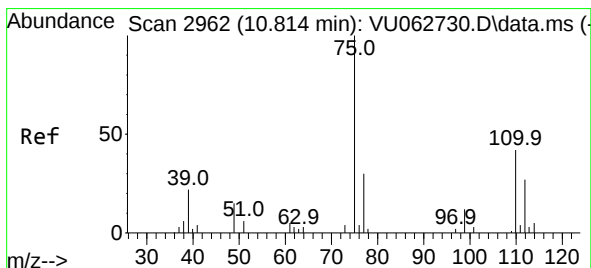
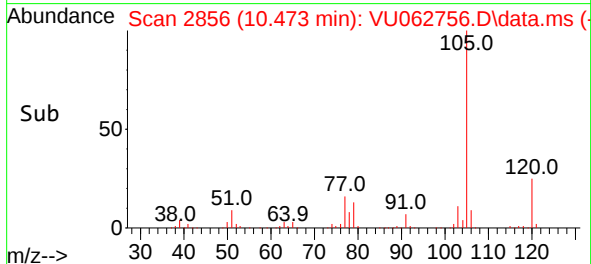
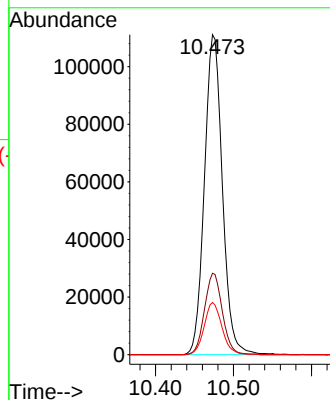
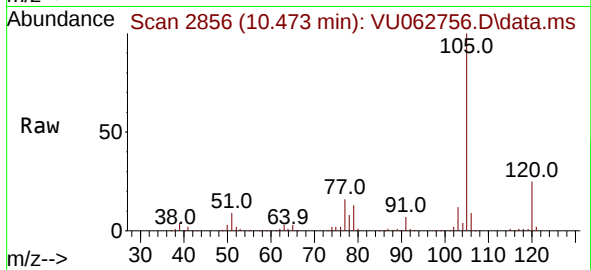




#60  
Isopropylbenzene  
Concen: 5.067 ug/L  
RT: 10.473 min Scan# 2856  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

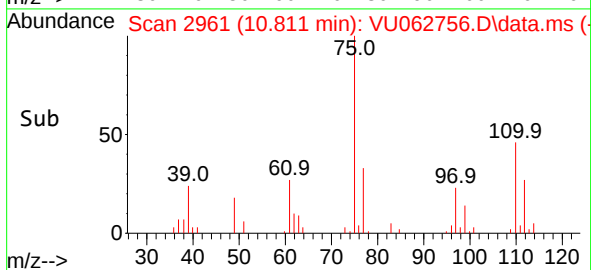
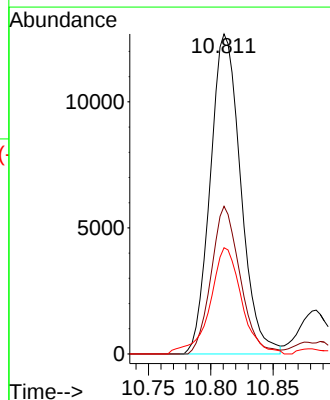
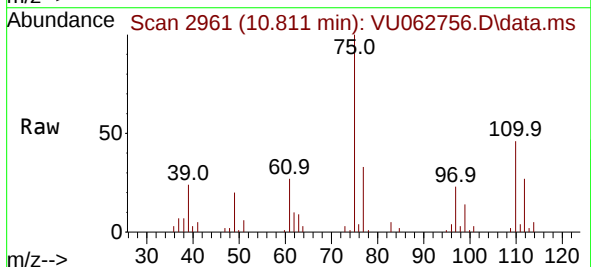
Instrument :  
MSVOA\_U  
ClientSampleId :

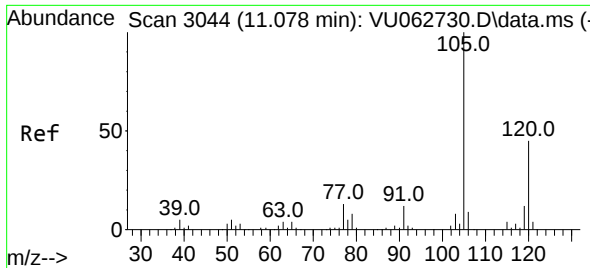
Tgt Ion:105 Resp: 178160  
Ion Ratio Lower Upper  
105 100  
120 25.3 20.2 30.2  
77 16.1 13.0 19.4



#61  
1,2,3-Trichloropropane  
Concen: 4.771 ug/L  
RT: 10.811 min Scan# 2961  
Delta R.T. -0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion: 75 Resp: 21591  
Ion Ratio Lower Upper  
75 100  
110 43.9 33.2 49.8  
77 34.3 25.9 38.9

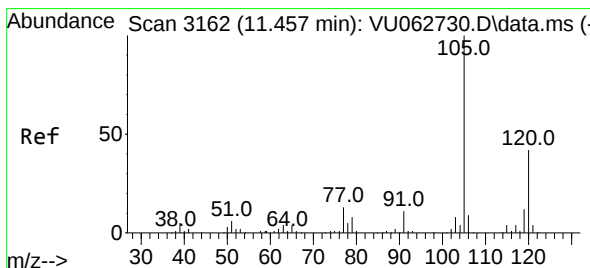
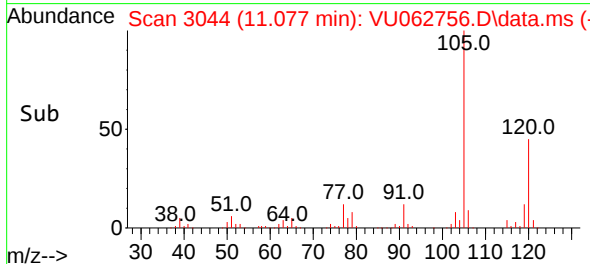
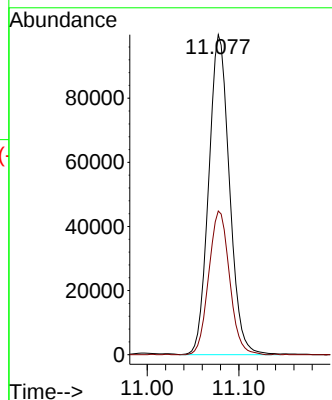
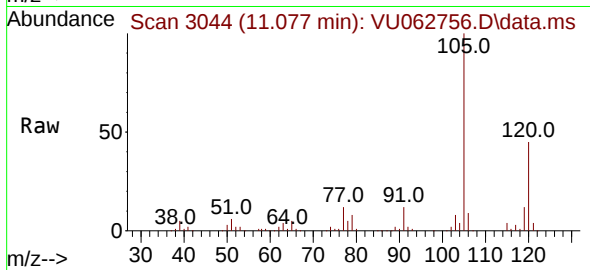




#62  
1,3,5-Trimethylbenzene  
Concen: 5.250 ug/L  
RT: 11.077 min Scan# 3044  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

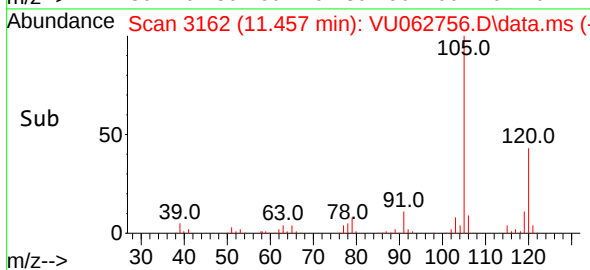
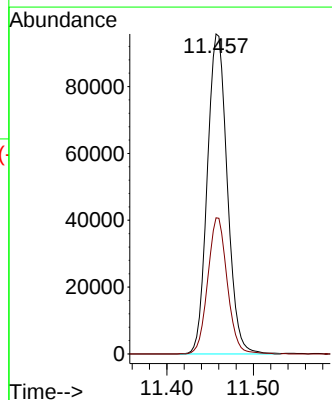
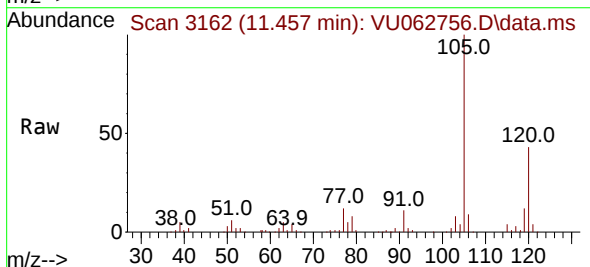
Instrument :  
MSVOA\_U  
ClientSampleId :

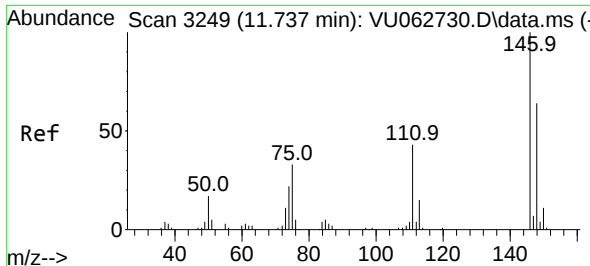
Tgt Ion:105 Resp: 156892  
Ion Ratio Lower Upper  
105 100  
120 45.0 35.9 53.9



#63  
1,2,4-Trimethylbenzene  
Concen: 5.304 ug/L  
RT: 11.457 min Scan# 3162  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:105 Resp: 153346  
Ion Ratio Lower Upper  
105 100  
120 41.5 34.2 51.2

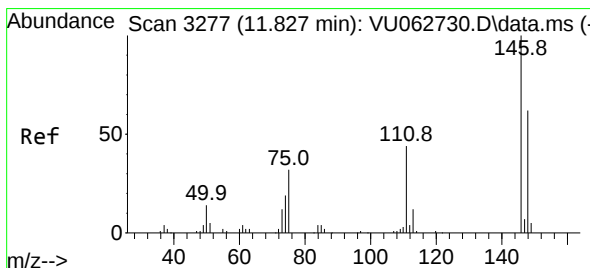
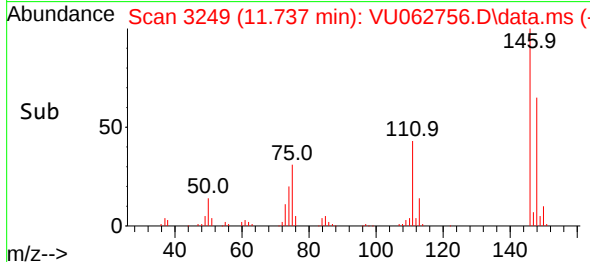
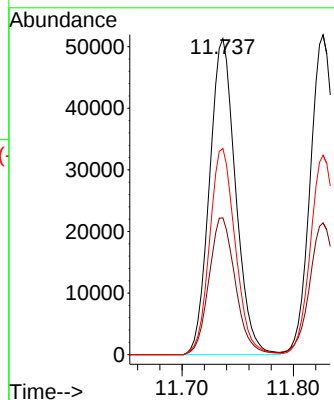
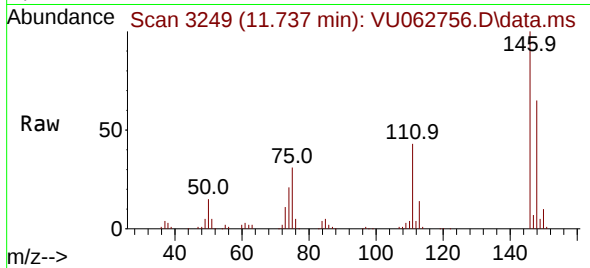




#64  
1,3-Dichlorobenzene  
Concen: 5.125 ug/L  
RT: 11.737 min Scan# 3249  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

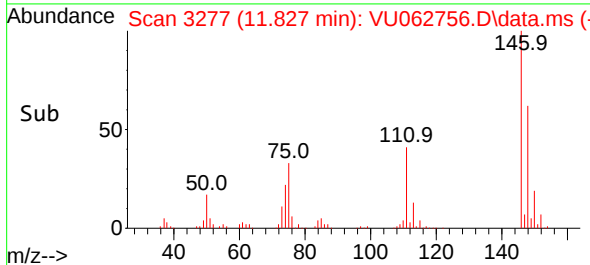
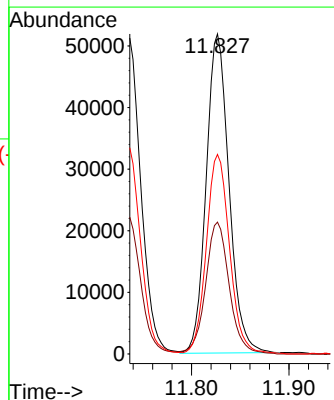
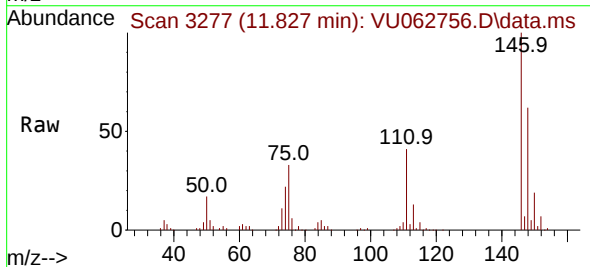
Instrument :  
MSVOA\_U  
ClientSampleId :

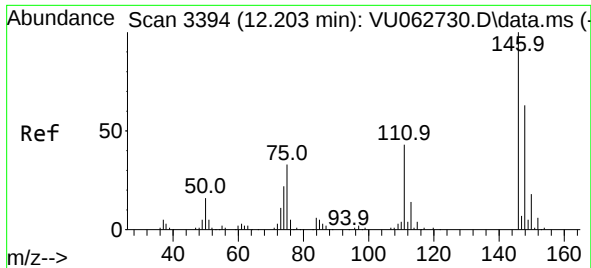
Tgt Ion:146 Resp: 83535  
Ion Ratio Lower Upper  
146 100  
111 43.3 28.6 53.0  
148 65.2 44.0 81.6



#65  
1,4-Dichlorobenzene  
Concen: 5.126 ug/L  
RT: 11.827 min Scan# 3277  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:146 Resp: 84253  
Ion Ratio Lower Upper  
146 100  
111 41.2 29.5 54.9  
148 62.4 45.1 83.9

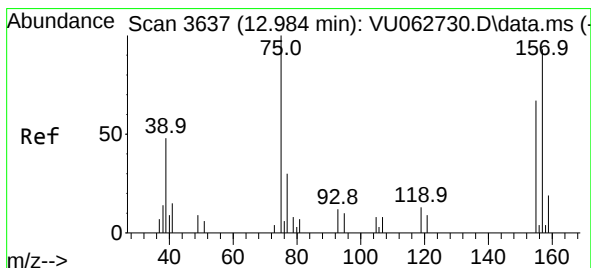
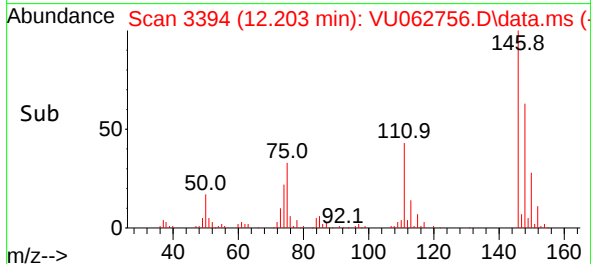
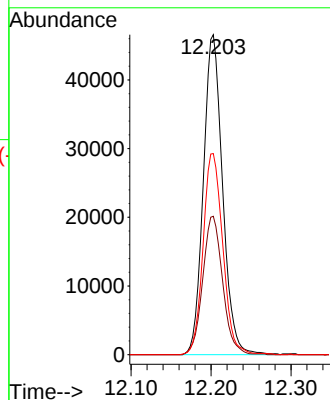
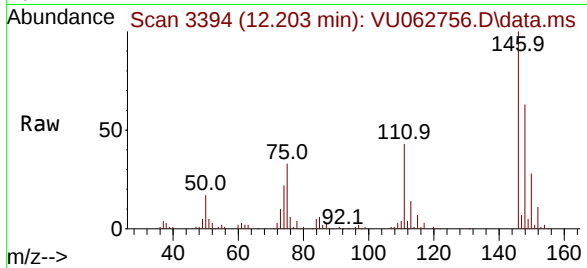




#67  
1,2-Dichlorobenzene  
Concen: 5.114 ug/L  
RT: 12.203 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

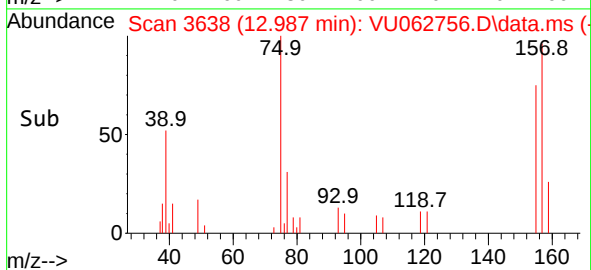
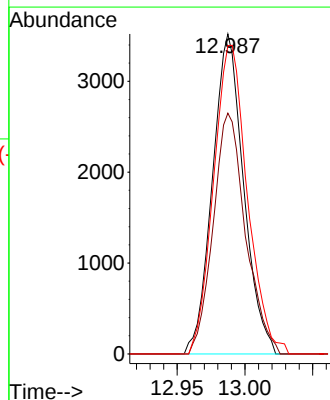
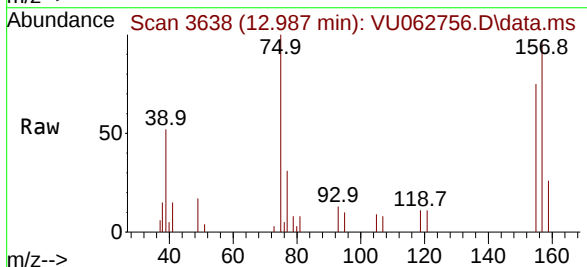
Instrument :  
MSVOA\_U  
ClientSampleId :

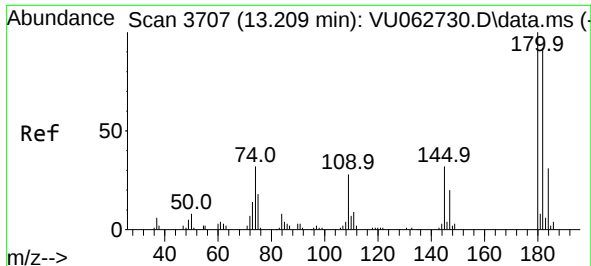
Tgt Ion:146 Resp: 78128  
Ion Ratio Lower Upper  
146 100  
111 43.3 36.3 54.5  
148 62.8 52.0 78.0



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.785 ug/L  
RT: 12.987 min Scan# 3638  
Delta R.T. 0.003 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

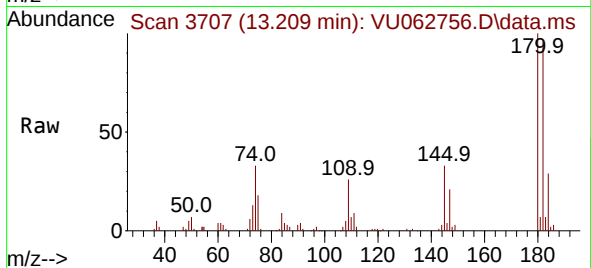
Tgt Ion: 75 Resp: 5610  
Ion Ratio Lower Upper  
75 100  
155 75.3 59.6 89.4  
157 96.4 70.8 106.2



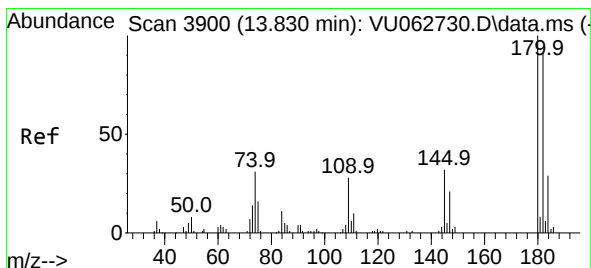
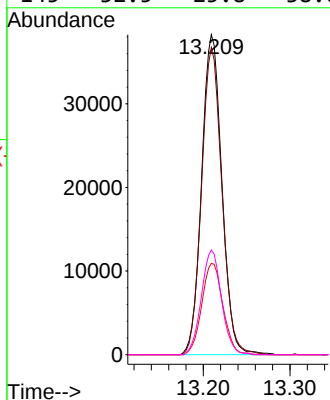
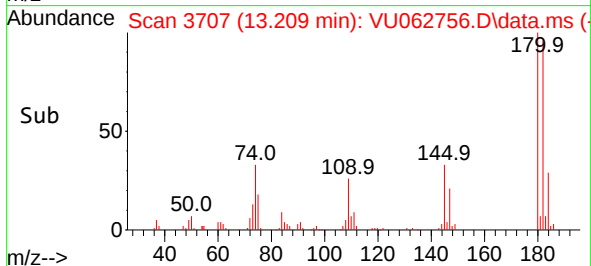


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.061 ug/L  
 RT: 13.209 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57

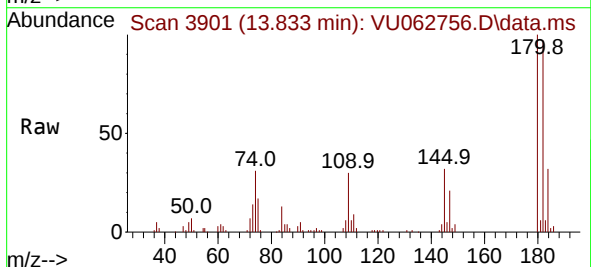
Instrument :  
 MSVOA\_U  
 ClientSampleId :



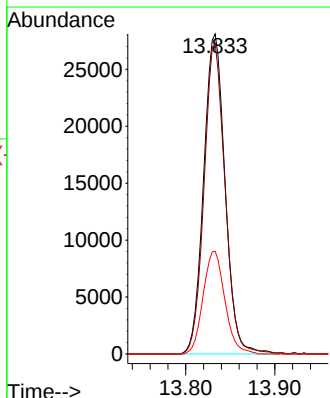
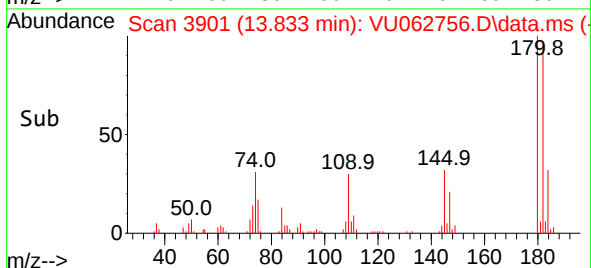
Tgt Ion:180 Resp: 62134  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 75.8 113.8  
 184 29.7 24.7 37.1  
 145 32.5 25.8 38.6

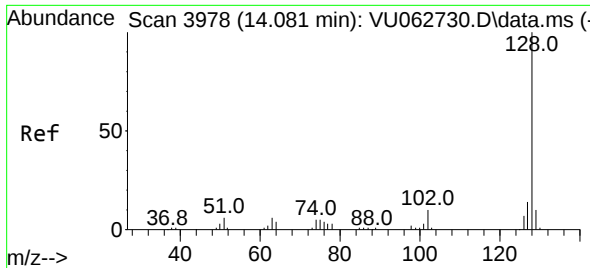


#70  
 1,2,4-trichlorobenzene  
 Concen: 4.739 ug/L  
 RT: 13.833 min Scan# 3901  
 Delta R.T. 0.003 min  
 Lab File: VU062756.D  
 Acq: 15 Jan 2025 09:57



Tgt Ion:180 Resp: 46859  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 77.1 115.7  
 145 32.6 26.9 40.3

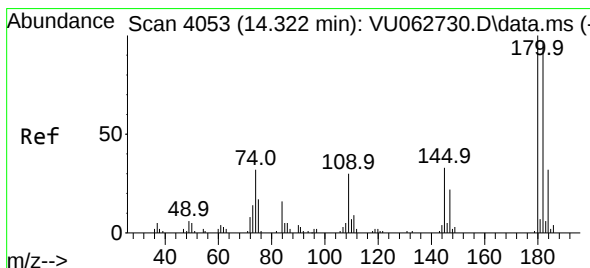
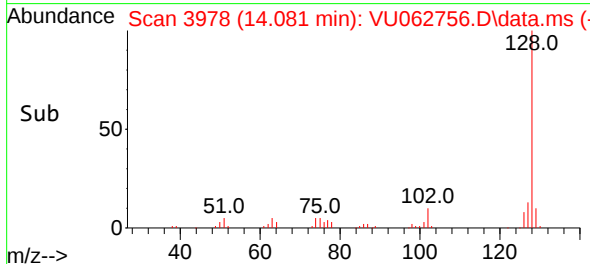
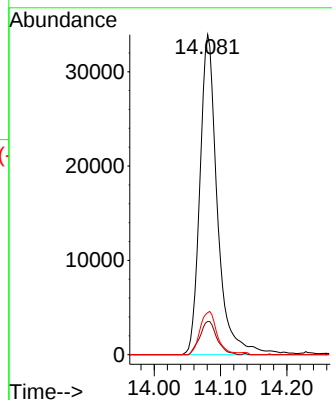
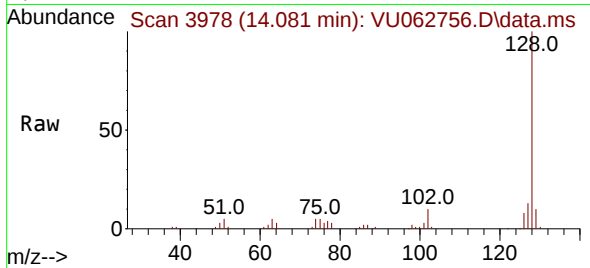




#71  
Naphthalene  
Concen: 4.295 ug/L  
RT: 14.081 min Scan# 3978  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 62141  
Ion Ratio Lower Upper  
128 100  
129 10.2 8.5 12.7  
127 13.1 10.2 15.2



#72  
1,2,3-Trichlorobenzene  
Concen: 4.509 ug/L  
RT: 14.322 min Scan# 4053  
Delta R.T. -0.000 min  
Lab File: VU062756.D  
Acq: 15 Jan 2025 09:57

Tgt Ion:180 Resp: 38865  
Ion Ratio Lower Upper  
180 100  
182 96.1 79.8 119.6  
145 33.9 29.2 43.8

