

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU103124\  
 Data File : VU061345.D  
 Acq On : 01 Nov 2024 05:57  
 Operator : MD/SY  
 Sample : P4631-12MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCP06MSD

Quant Time: Nov 01 06:12:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 01 00:44:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 175717   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 163283   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 78333    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 42982    | 3.601    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 72.000%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 46847    | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 19777    | 3.873    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 77.400%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 117722   | 48.576   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 97.160%  |
| 24) Chloroform-d              | 5.055  | 84    | 106929   | 4.719    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 52144    | 4.617    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.400%  |
| 32) Benzene-d6                | 5.718  | 84    | 211798   | 4.604    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 63669    | 4.603    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 196140   | 4.559    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 24245    | 4.294    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 85.800%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 108376   | 46.864   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.720%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 50806    | 4.857    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 65148    | 4.697    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 94.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 60504    | 5.165    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 56823    | 4.600    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.602  | 62    | 65706    | 4.838    | ug/L   | 100      |
| 6) Bromomethane               | 1.856  | 94    | 47805    | 5.312    | ug/L   | 98       |
| 8) Chloroethane               | 1.930  | 64    | 52103    | 5.210    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 96170    | 5.213    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 56151    | 5.126    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 52035    | 5.009    | ug/L   | 93       |
| 13) Acetone                   | 2.637  | 43    | 79886    | 52.044   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.789  | 76    | 153697   | 4.434    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.953  | 43    | 18125    | 4.769    | ug/L   | 97       |
| 16) Methylene chloride        | 3.039  | 84    | 61155    | 4.995    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 149191   | 5.299    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 58027    | 5.051    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 113543   | 5.241    | ug/L   | 99       |
| 21) 2-Butanone                | 4.702  | 43    | 133438   | 54.836   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 70806    | 5.396    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.965  | 128   | 30257    | 5.480    | ug/L   | 97       |
| 25) Chloroform                | 5.078  | 83    | 121920   | 5.352    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU103124\  
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 Sample : P4631-12MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 GCP06MSD

Quant Time: Nov 01 06:12:24 2024  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 01 00:44:02 2024  
 Response via : Initial Calibration

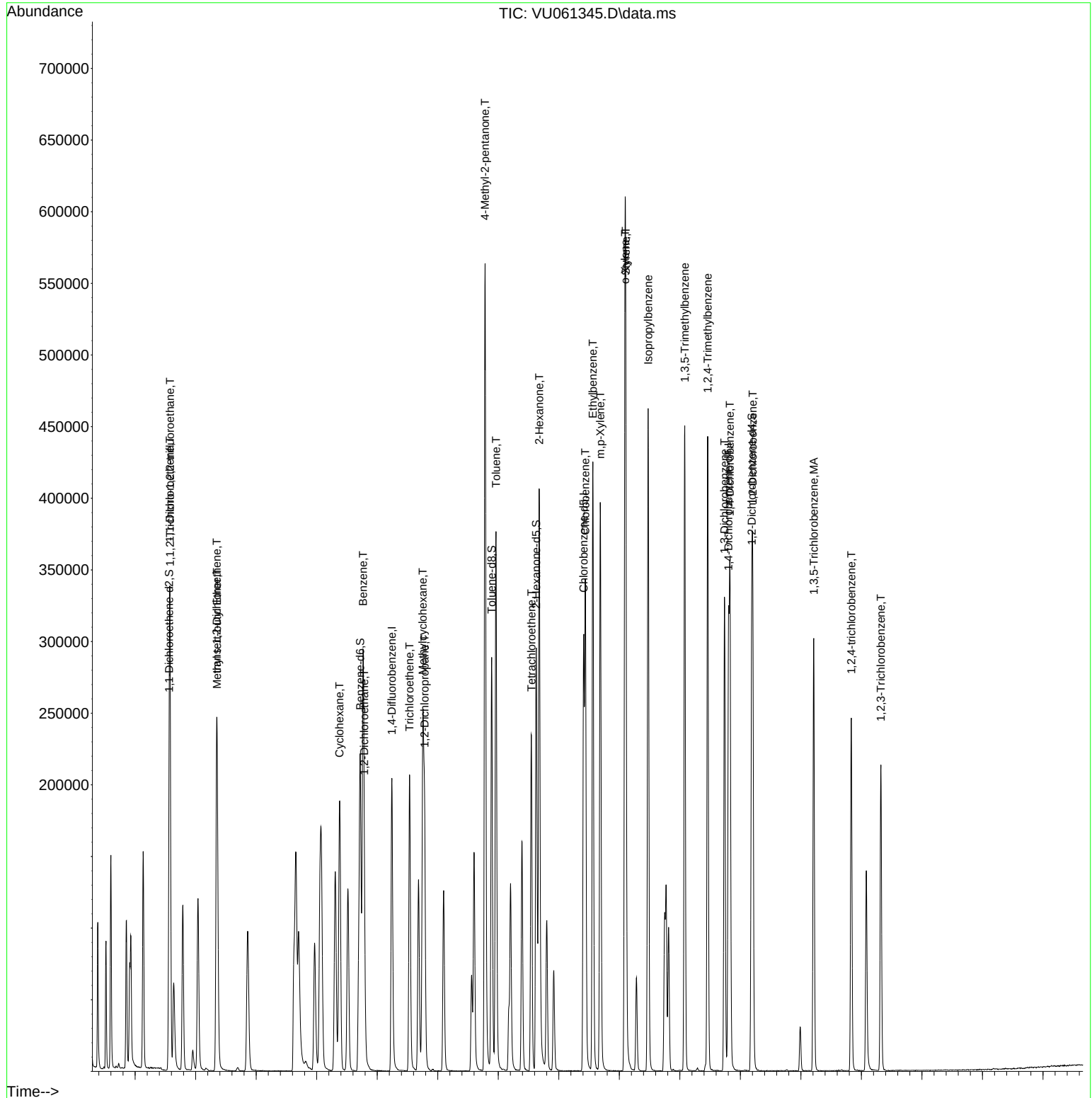
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 75031    | 5.212  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 102899   | 5.146  | ug/L  | 100      |
| 30) Cyclohexane               | 5.377  | 56   | 98160    | 4.895  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 87731    | 5.128  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 262272   | 5.194  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 70269    | 5.115  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 103338   | 4.727  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 68216    | 5.329  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 83225    | 5.138  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 96900    | 4.901  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 350579   | 55.032 | ug/L  | 100      |
| 42) Toluene                   | 7.962  | 91   | 288700   | 5.265  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 77405    | 4.805  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 50261    | 5.456  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 51334    | 5.351  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 254646   | 56.527 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.801  | 129  | 52870    | 5.061  | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 47404    | 5.297  | ug/L  | 91       |
| 51) Chlorobenzene             | 9.438  | 112  | 184134   | 5.312  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 313272   | 5.193  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 119691   | 5.208  | ug/L  | 95       |
| 54) o-Xylene                  | 10.094 | 106  | 117230   | 5.169  | ug/L  | 97       |
| 55) Styrene                   | 10.107 | 104  | 188718   | 5.190  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 62027    | 5.588  | ug/L  | 98       |
| 59) Bromoform                 | 10.283 | 173  | 28787    | 4.965  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 307534   | 5.139  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 42164    | 5.403  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 245916   | 5.048  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 243717   | 5.061  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 133570   | 5.304  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 133329   | 5.193  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 125273   | 5.285  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 8349     | 5.096  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 91336    | 5.291  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 75624    | 5.428  | ug/L  | 98       |
| 71) Naphthalene               | 14.081 | 128  | 120617   | 5.487  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 65242    | 5.597  | ug/L  | 99       |

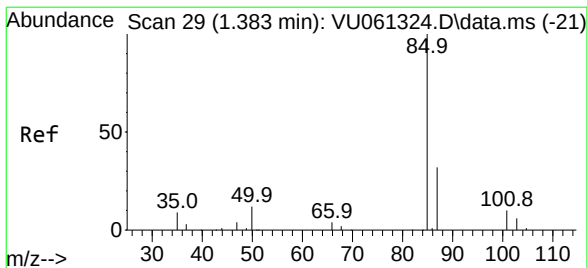
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 01 00:44:02 2024  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.165 ug/L

RT: 1.383 min Scan# 29

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

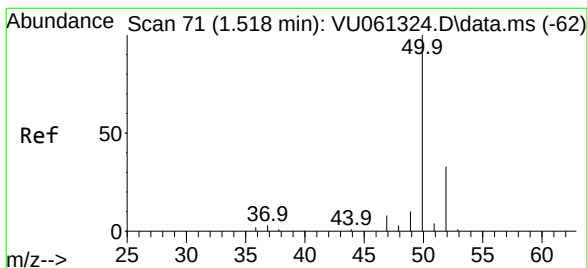
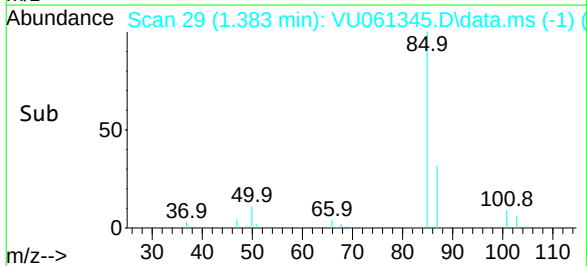
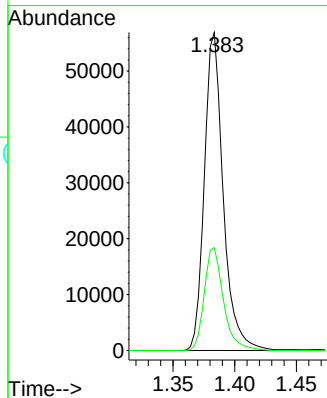
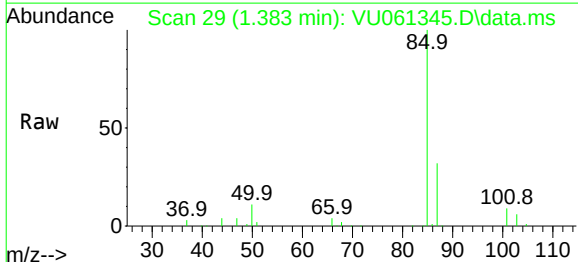
GCP06MSD

Tgt Ion: 85 Resp: 60504

Ion Ratio Lower Upper

85 100

87 32.9 25.7 38.5



#3

Chloromethane

Concen: 4.600 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU061345.D

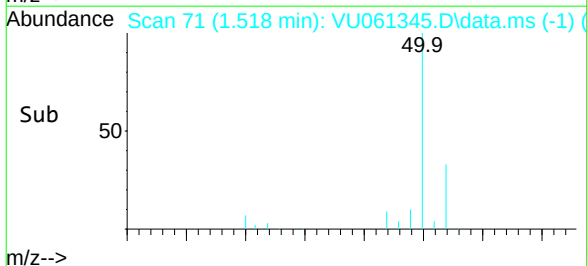
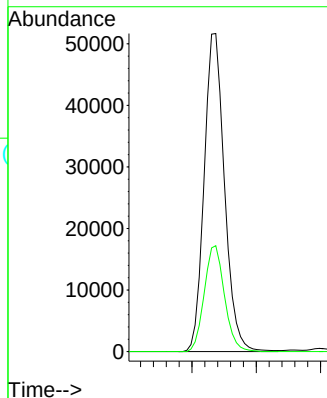
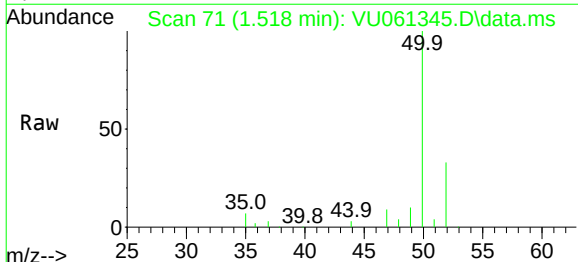
Acq: 01 Nov 2024 05:57

Tgt Ion: 50 Resp: 56823

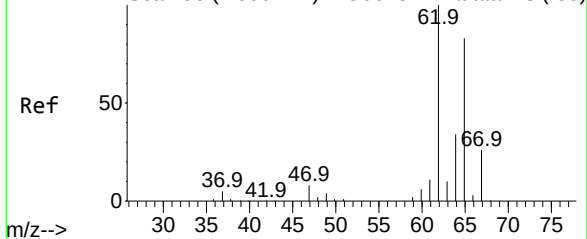
Ion Ratio Lower Upper

50 100

52 33.3 23.4 43.4



Abundance Scan 96 (1.599 min): VU061324.D\data.ms (-88)

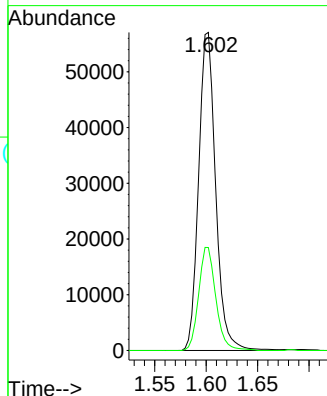
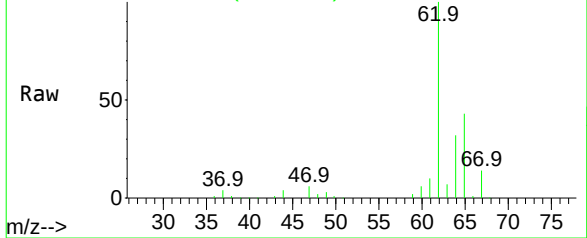


#5  
Vinyl chloride  
Concen: 4.838 ug/L  
RT: 1.602 min Scan# 97  
Delta R.T. 0.003 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

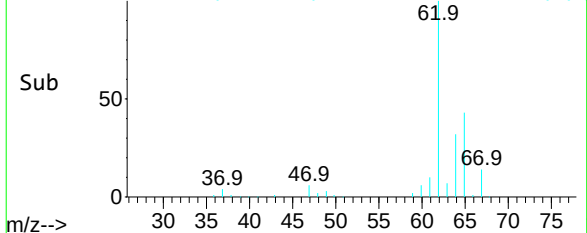
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

Tgt Ion: 62 Resp: 65706  
Ion Ratio Lower Upper  
62 100  
64 32.4 22.6 42.0

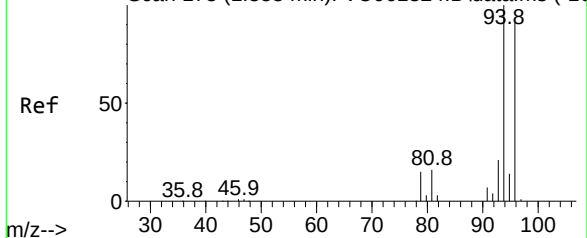
Abundance Scan 97 (1.602 min): VU061345.D\data.ms



Abundance Scan 97 (1.602 min): VU061345.D\data.ms (-3)



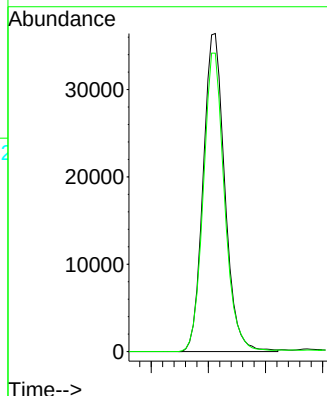
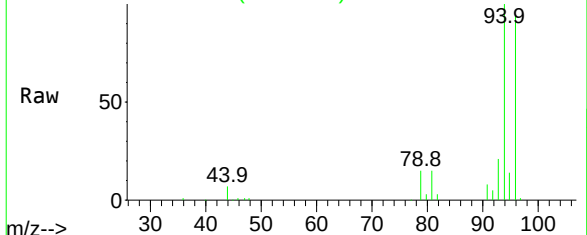
Abundance Scan 175 (1.853 min): VU061324.D\data.ms (-16)



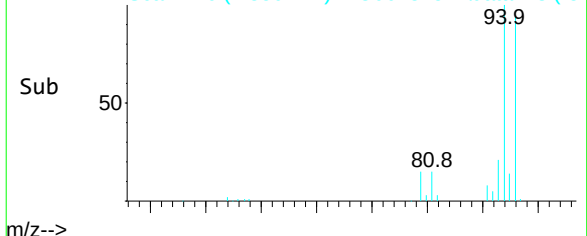
#6  
Bromomethane  
Concen: 5.312 ug/L  
RT: 1.856 min Scan# 176  
Delta R.T. 0.003 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

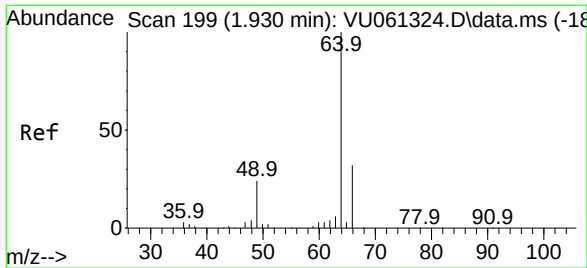
Tgt Ion: 94 Resp: 47805  
Ion Ratio Lower Upper  
94 100  
96 93.8 66.9 124.3

Abundance Scan 176 (1.856 min): VU061345.D\data.ms



Abundance Scan 176 (1.856 min): VU061345.D\data.ms (-82)

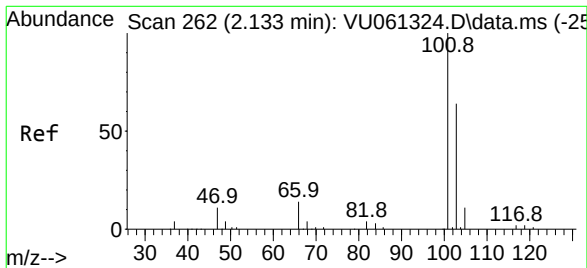
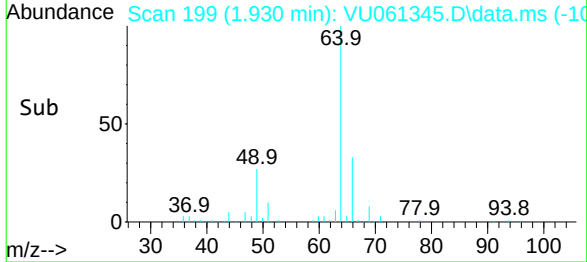
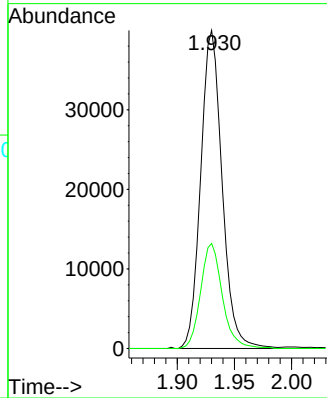
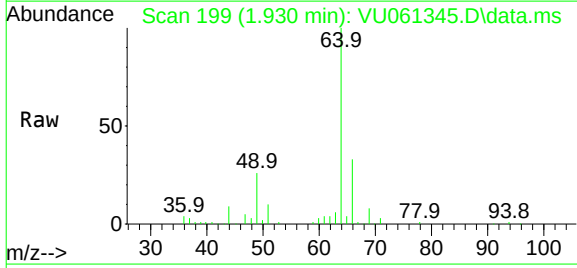




#8  
Chloroethane  
Concen: 5.210 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

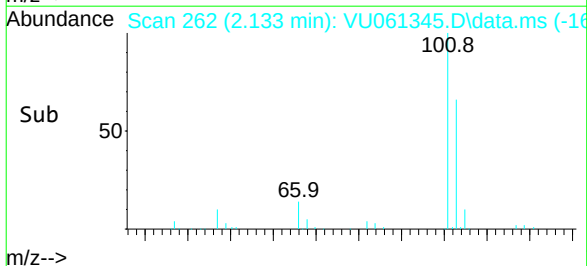
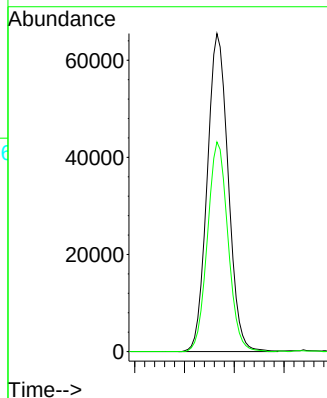
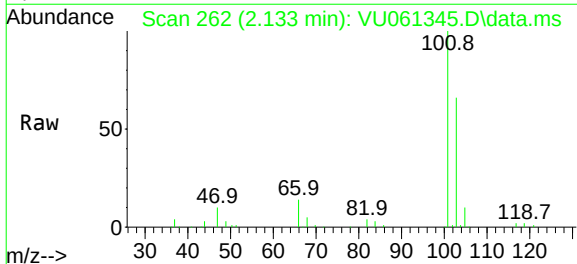
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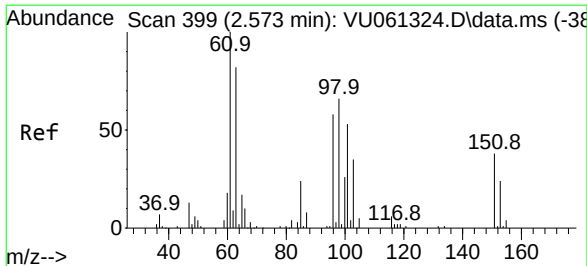
Tgt Ion: 64 Resp: 52103  
Ion Ratio Lower Upper  
64 100  
66 33.0 23.1 42.9



#9  
Trichlorofluoromethane  
Concen: 5.213 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion:101 Resp: 96170  
Ion Ratio Lower Upper  
101 100  
103 64.3 50.6 75.8

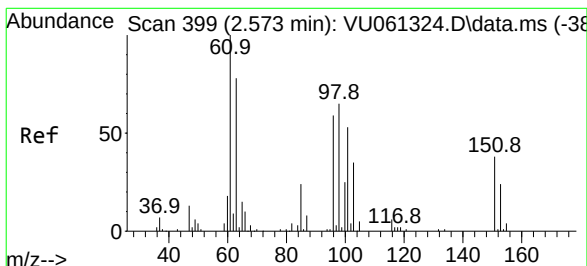
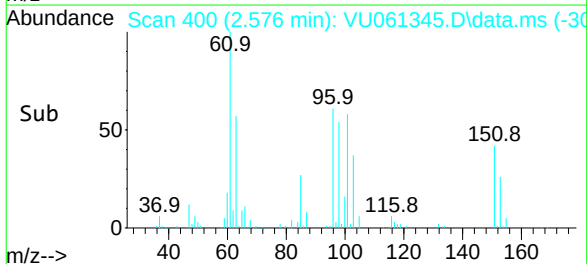
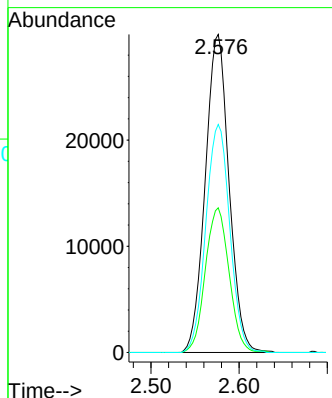
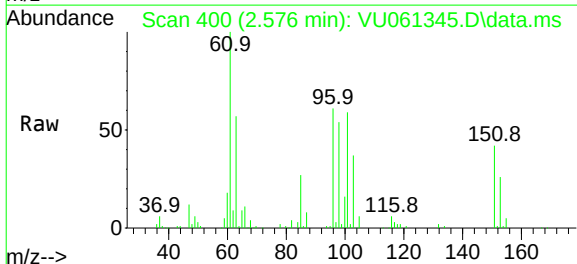




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.126 ug/L  
RT: 2.576 min Scan# 40  
Delta R.T. 0.003 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

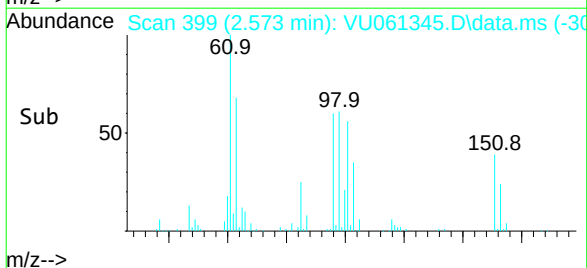
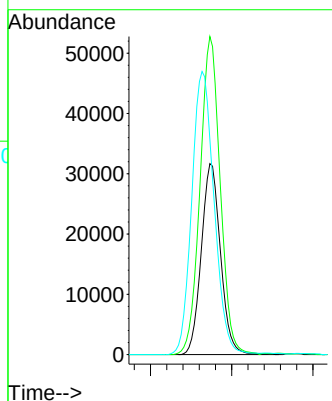
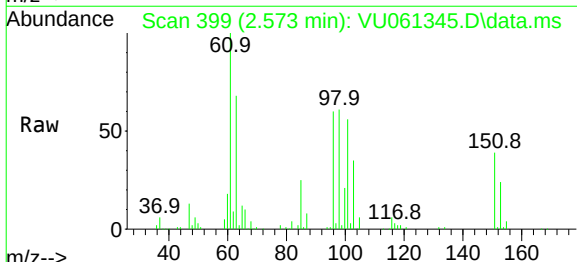
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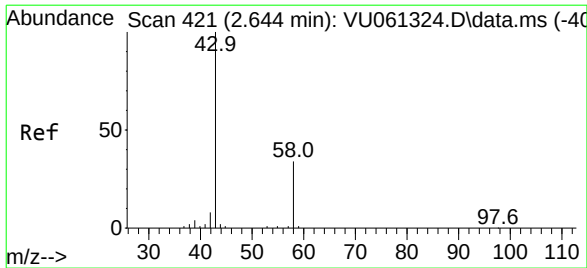
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 45.3  | 35.6  | 53.4  |
| 151     | 72.4  | 55.9  | 83.9  |



#12  
1,1-Dichloroethene  
Concen: 5.009 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.6 | 119.1 | 221.1 |
| 63      | 112.6 | 89.4  | 166.0 |





#13

Acetone

Concen: 52.044 ug/L

RT: 2.637 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

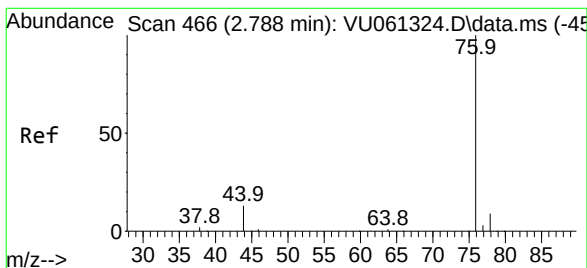
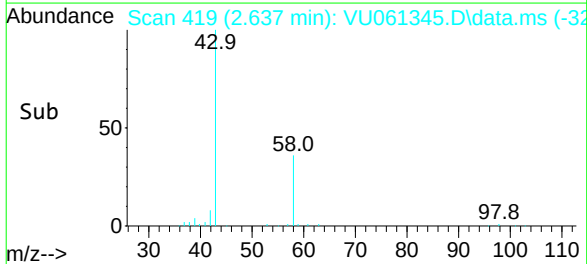
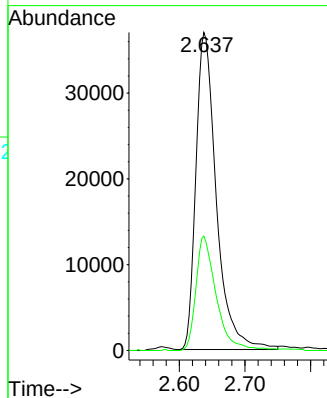
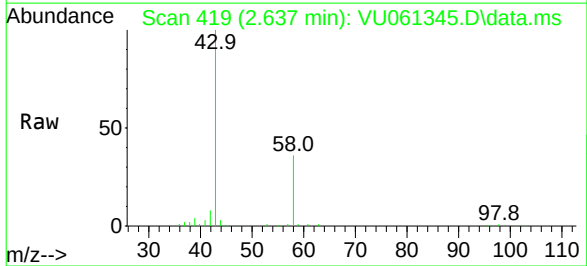
GCP06MSD

Tgt Ion: 43 Resp: 79886

Ion Ratio Lower Upper

43 100

58 35.4 0.0 73.2



#14

Carbon disulfide

Concen: 4.434 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU061345.D

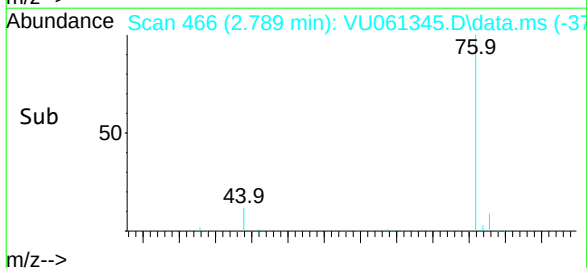
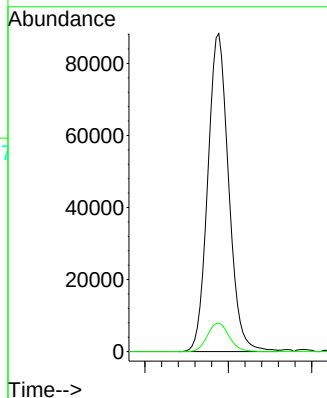
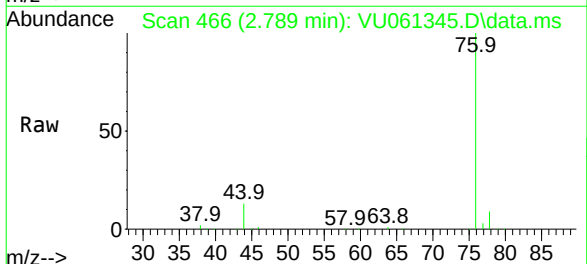
Acq: 01 Nov 2024 05:57

Tgt Ion: 76 Resp: 153697

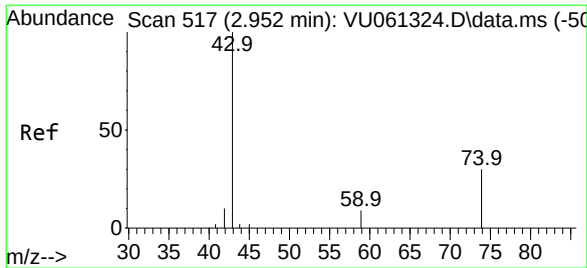
Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



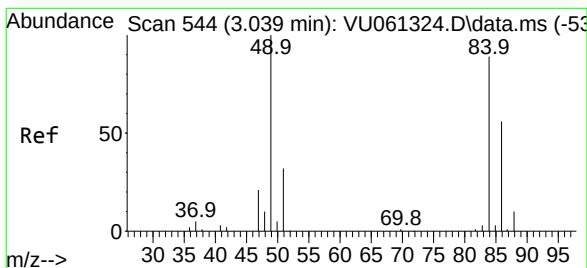
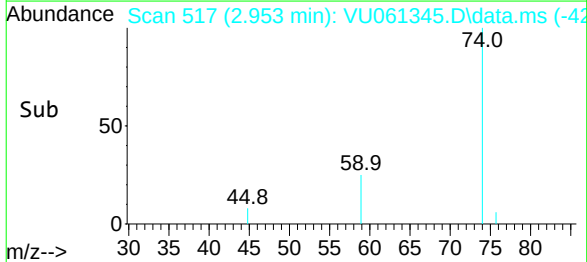
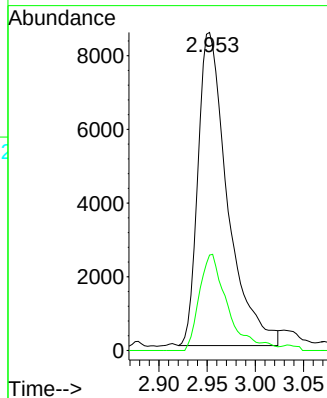
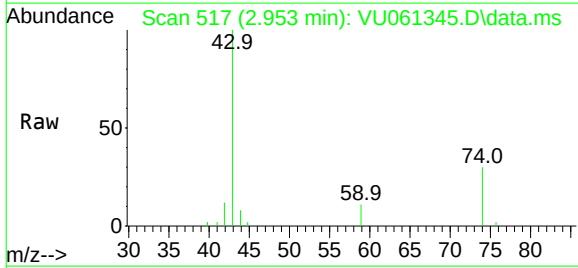




#15  
Methyl Acetate  
Concen: 4.769 ug/L  
RT: 2.953 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

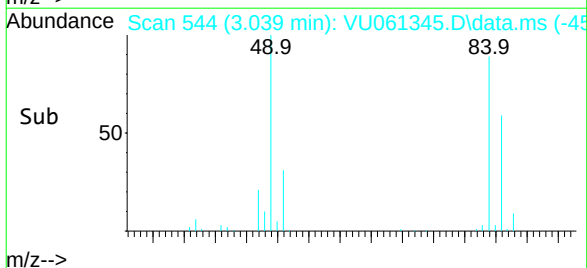
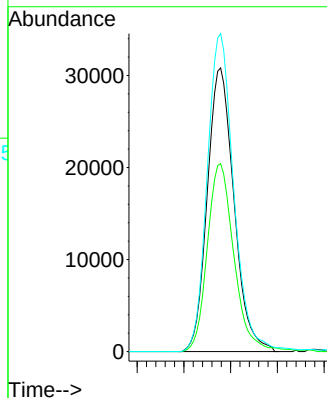
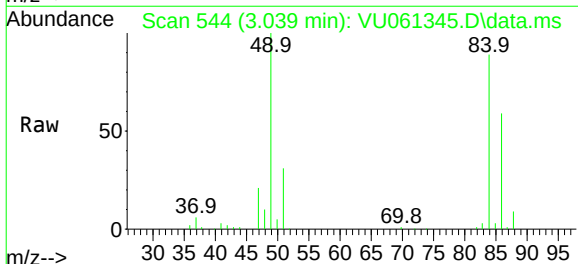
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

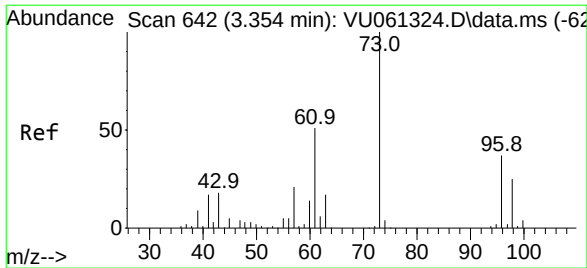
Tgt Ion: 43 Resp: 18125  
Ion Ratio Lower Upper  
43 100  
74 29.6 22.2 33.4



#16  
Methylene chloride  
Concen: 4.995 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion: 84 Resp: 61155  
Ion Ratio Lower Upper  
84 100  
86 66.3 43.5 80.7  
49 112.1 75.7 140.7

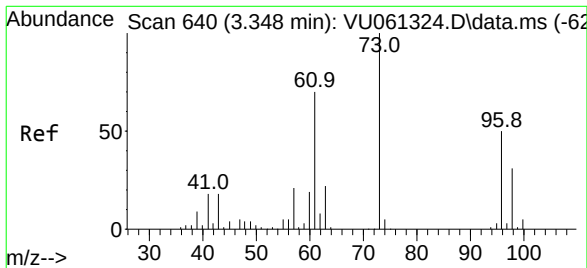
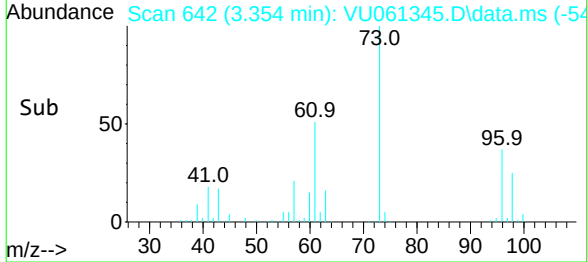
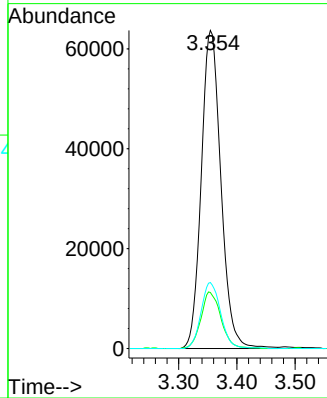
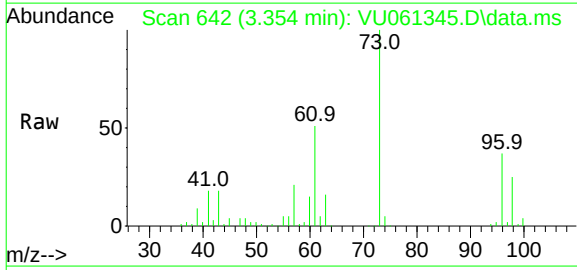




#17  
Methyl tert-butyl Ether  
Concen: 5.299 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

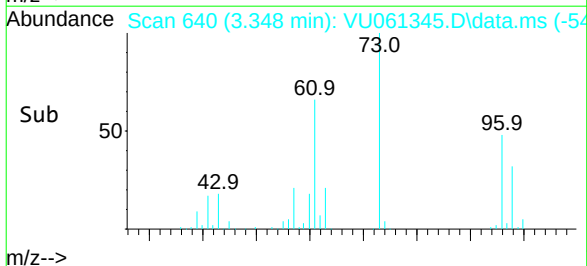
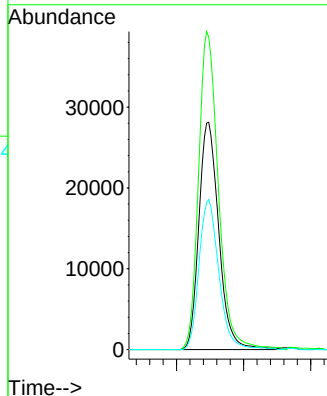
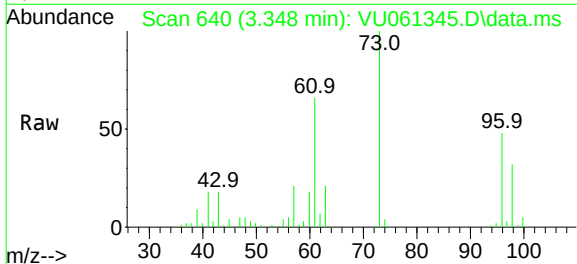
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

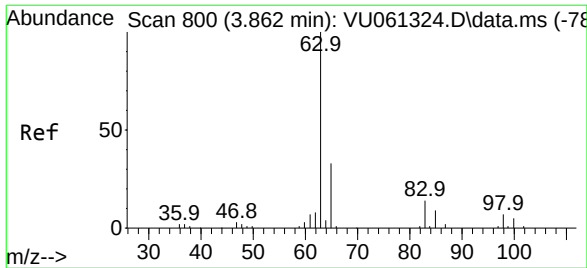
Tgt Ion: 73 Resp: 149191  
Ion Ratio Lower Upper  
73 100  
43 18.2 15.0 22.4  
57 20.7 17.0 25.6



#18  
trans-1,2-Dichloroethene  
Concen: 5.051 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion: 96 Resp: 58027  
Ion Ratio Lower Upper  
96 100  
61 137.4 97.9 181.7  
98 66.0 46.2 85.8

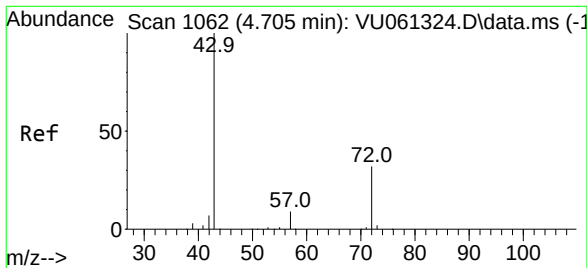
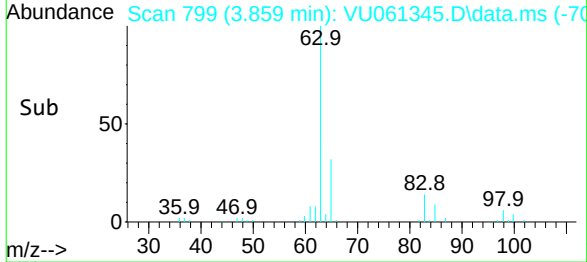
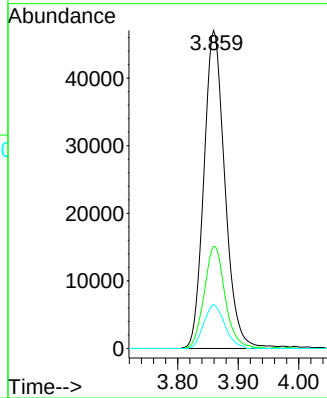
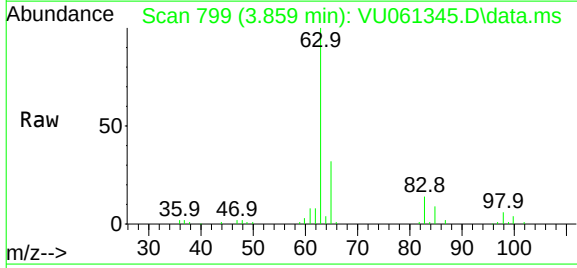




#19  
1,1-Dichloroethane  
Concen: 5.241 ug/L  
RT: 3.859 min Scan# 79  
Delta R.T. -0.003 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

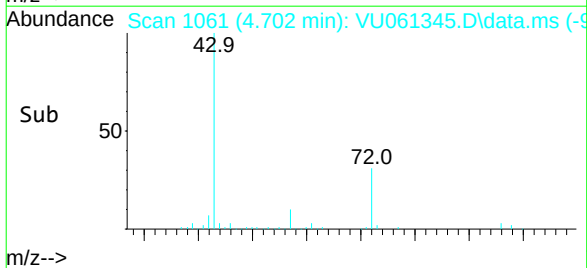
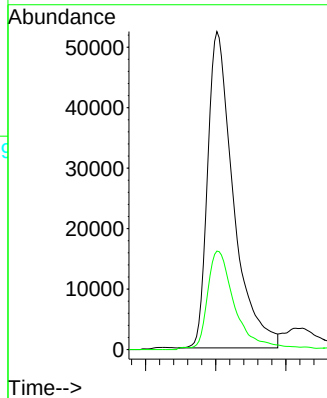
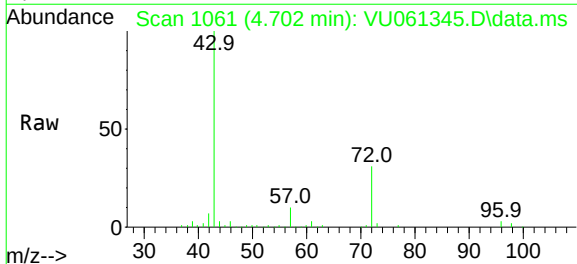
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

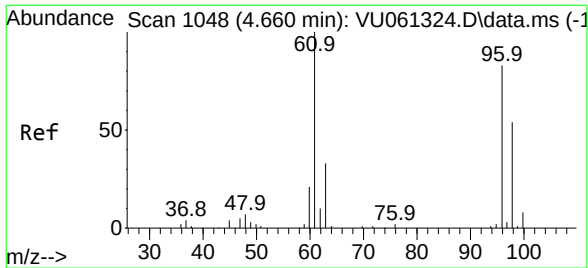
Tgt Ion: 63 Resp: 113543  
Ion Ratio Lower Upper  
63 100  
65 32.1 23.0 42.6  
83 13.8 9.7 17.9



#21  
2-Butanone  
Concen: 54.836 ug/L  
RT: 4.702 min Scan# 1061  
Delta R.T. -0.003 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion: 43 Resp: 133438  
Ion Ratio Lower Upper  
43 100  
72 30.8 15.9 47.6

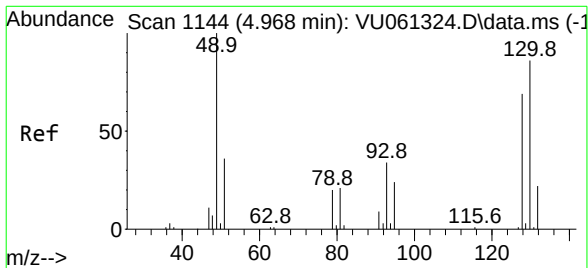
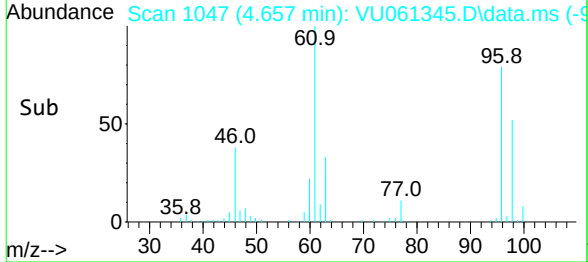
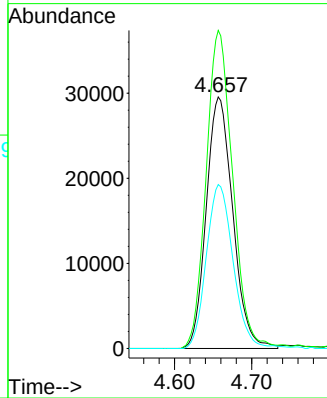
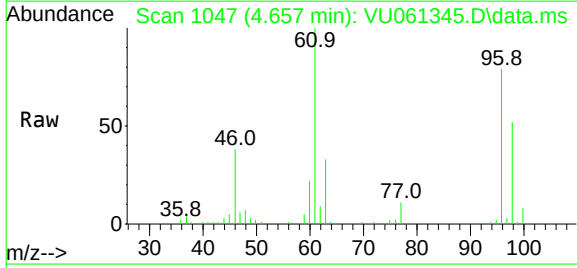




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.396 ug/L  
 RT: 4.657 min Scan# 1047  
 Delta R.T. -0.003 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

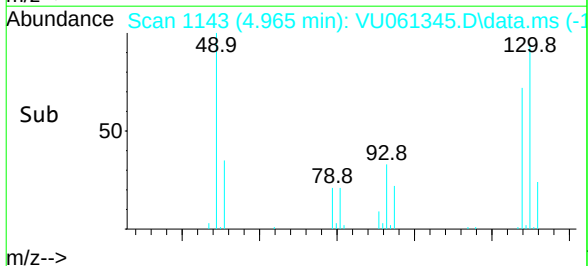
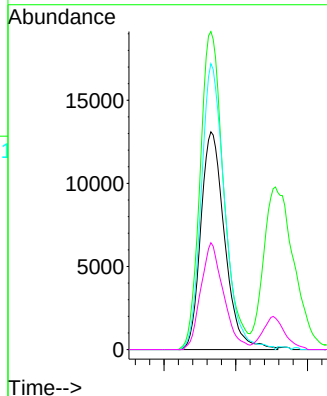
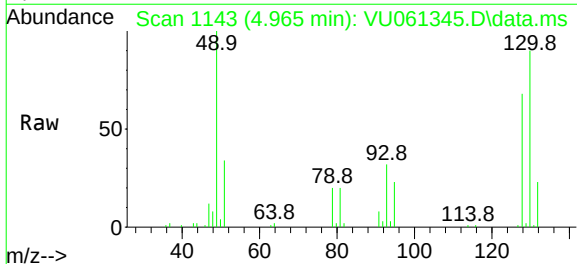
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCP06MSD

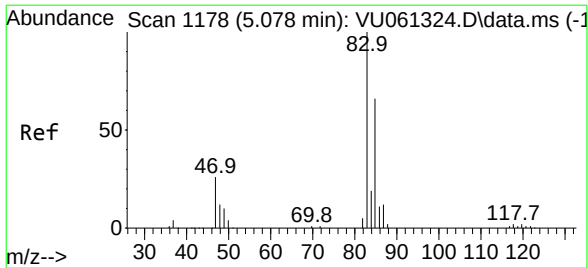
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 70806 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 126.4 | 88.1  | 163.5 |
| 98       | 65.2  | 45.0  | 83.6  |



#23  
 Bromochloromethane  
 Concen: 5.480 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. -0.003 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 30257 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 146.1 | 105.1 | 195.1 |
| 130      | 131.3 | 89.6  | 166.4 |
| 51       | 49.1  | 38.7  | 58.1  |

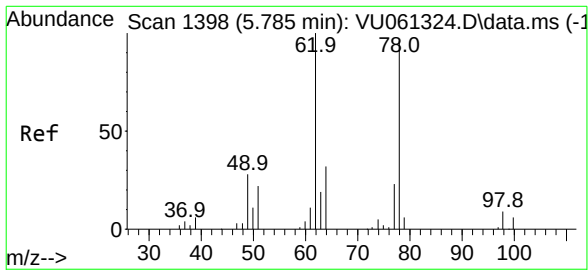
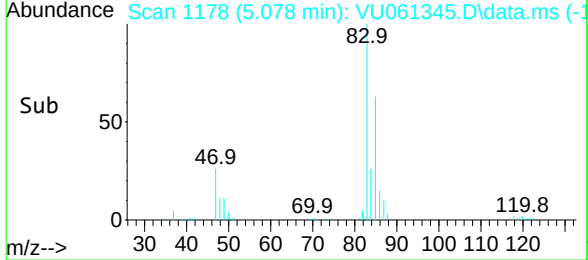
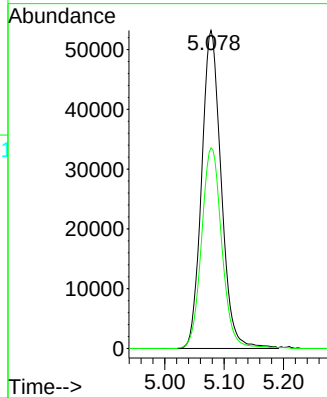
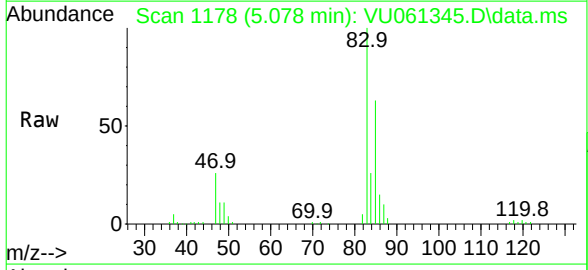




#25  
Chloroform  
Concen: 5.352 ug/L  
RT: 5.078 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

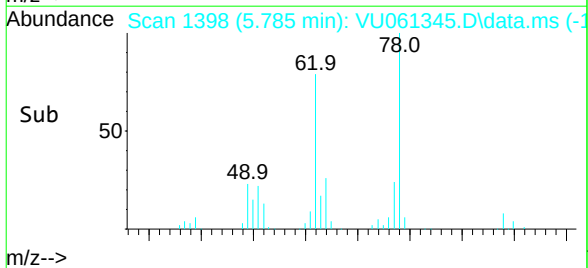
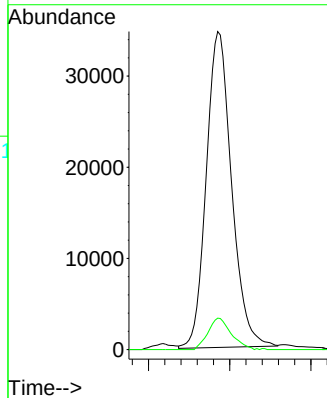
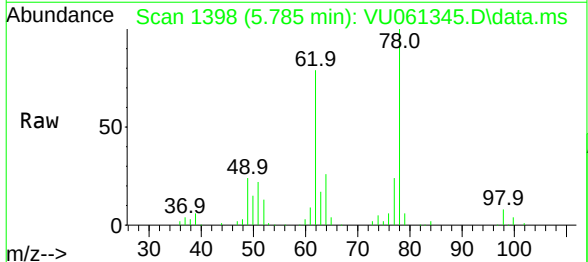
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

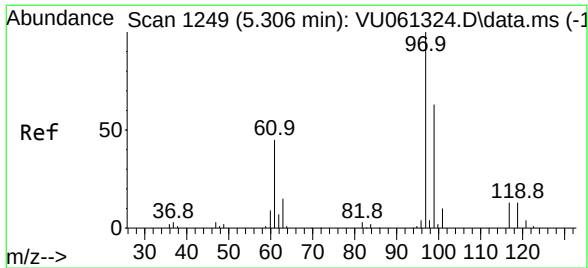
Tgt Ion: 83 Resp: 121920  
Ion Ratio Lower Upper  
83 100  
85 63.1 45.6 84.6



#27  
1,2-Dichloroethane  
Concen: 5.212 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion: 62 Resp: 75031  
Ion Ratio Lower Upper  
62 100  
98 9.9 7.4 11.0

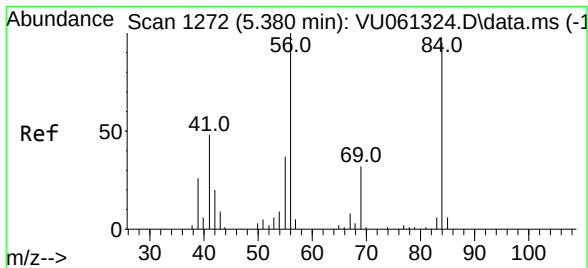
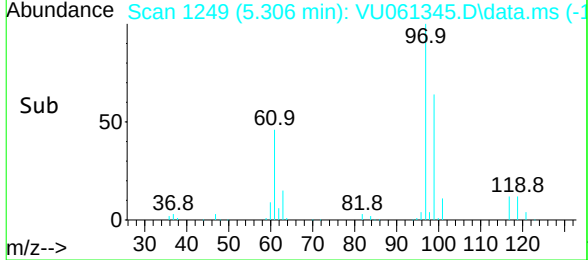
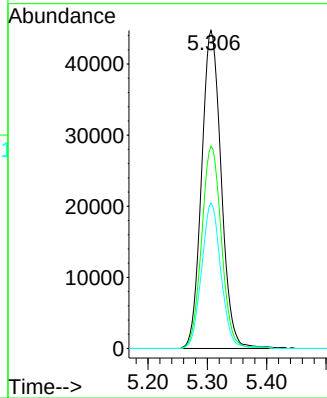
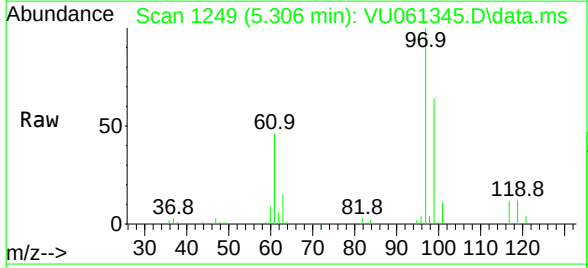




#29  
1,1,1-Trichloroethane  
Concen: 5.146 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

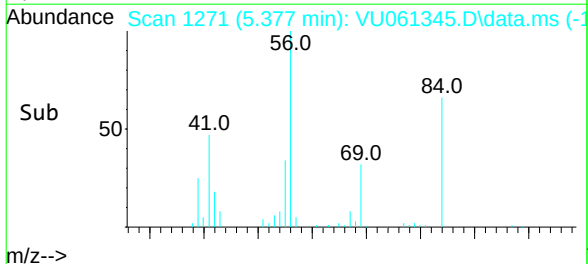
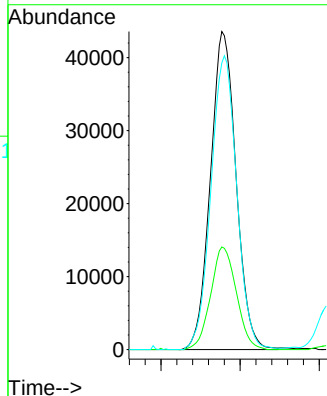
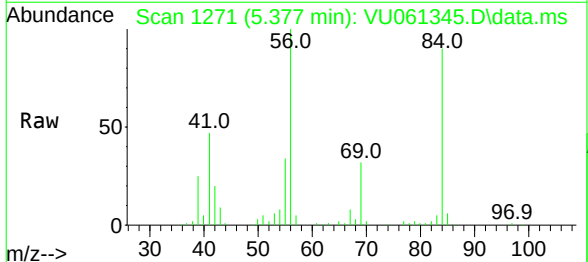
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

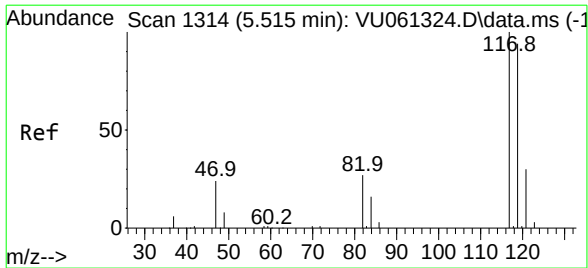
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 102899 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.7  | 50.8  | 76.2   |
| 61       | 44.7  | 36.1  | 54.1   |



#30  
Cyclohexane  
Concen: 4.895 ug/L  
RT: 5.377 min Scan# 1271  
Delta R.T. -0.003 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 98160 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.3  | 25.8  | 38.6  |
| 84       | 93.1  | 73.9  | 110.9 |

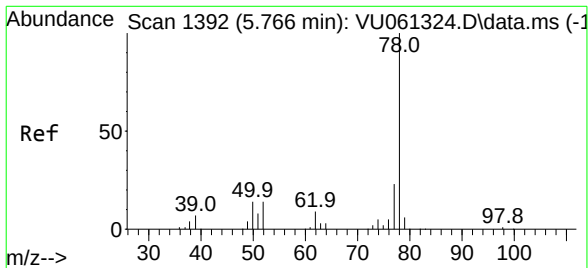
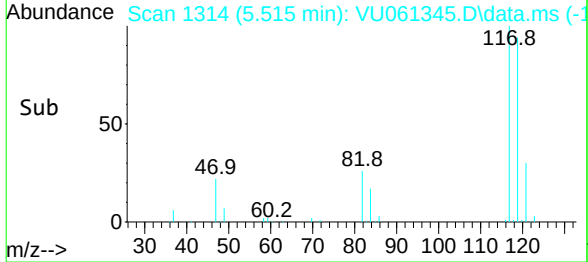
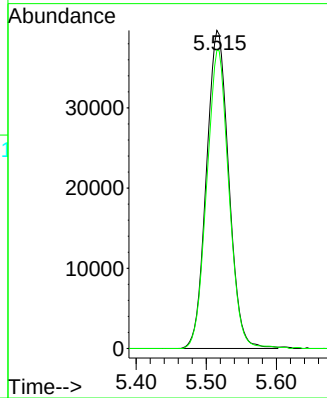
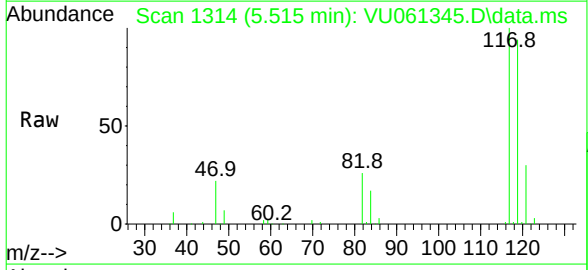




#31  
Carbon tetrachloride  
Concen: 5.128 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

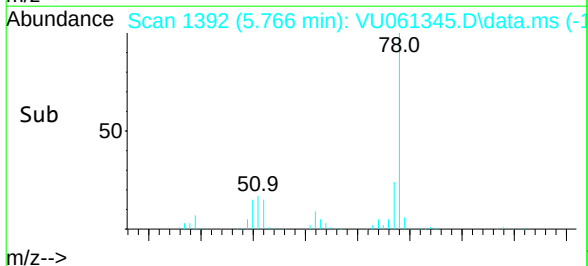
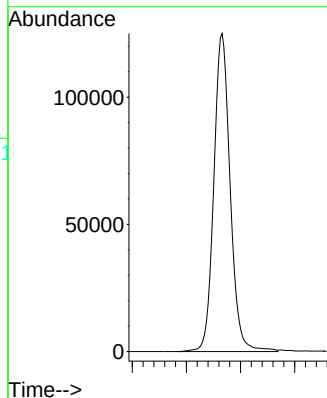
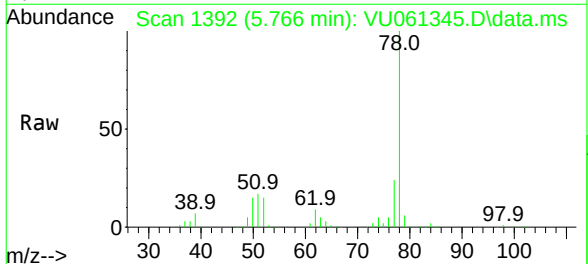
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

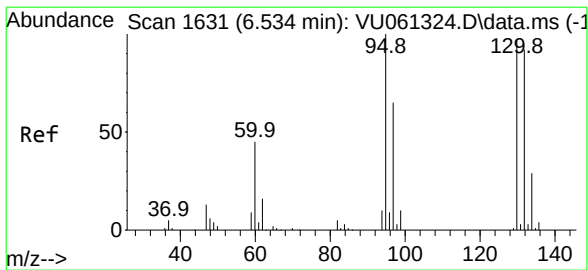
Tgt Ion:117 Resp: 87731  
Ion Ratio Lower Upper  
117 100  
119 93.2 75.5 113.3



#33  
Benzene  
Concen: 5.194 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion: 78 Resp: 262272





#34

Trichloroethene

Concen: 5.115 ug/L

RT: 6.534 min Scan# 16

Delta R.T. 0.000 min

Lab File: VU061345.D

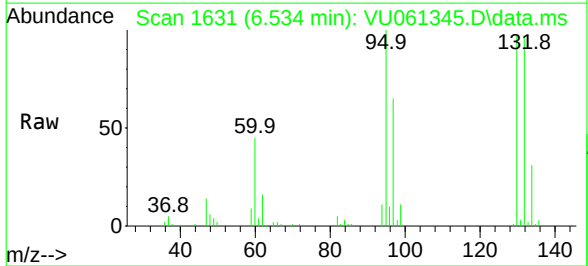
Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

GCP06MSD



Tgt Ion: 95 Resp: 70269

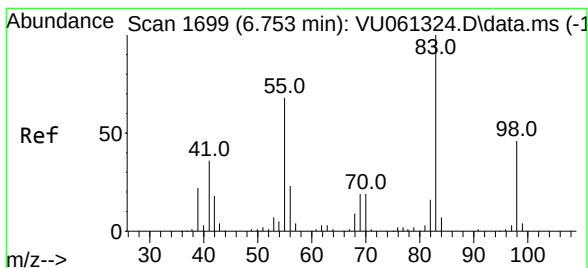
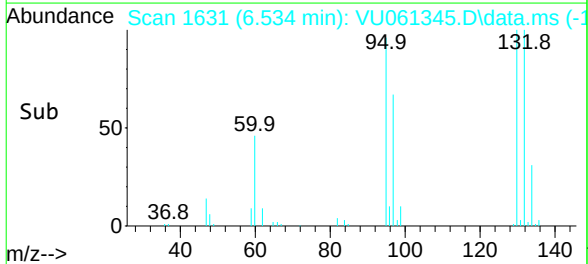
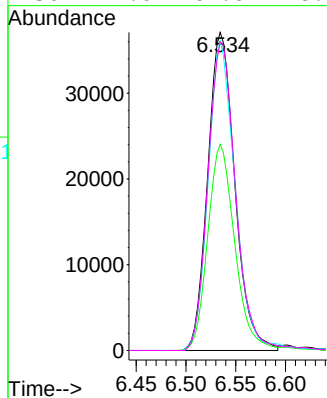
Ion Ratio Lower Upper

95 100

97 64.8 46.1 85.7

132 97.3 66.1 122.7

130 97.0 69.0 128.2



#35

Methylcyclohexane

Concen: 4.727 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

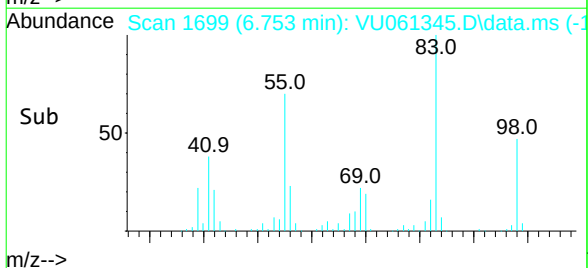
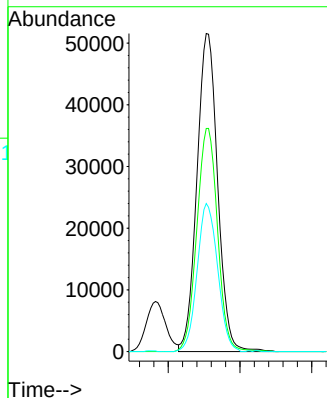
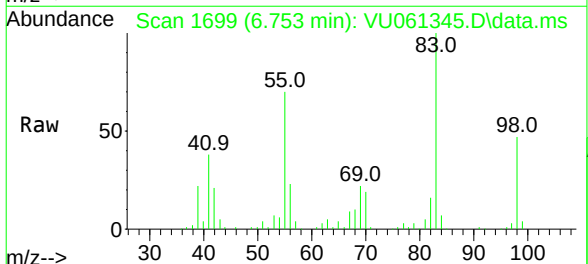
Tgt Ion: 83 Resp: 103338

Ion Ratio Lower Upper

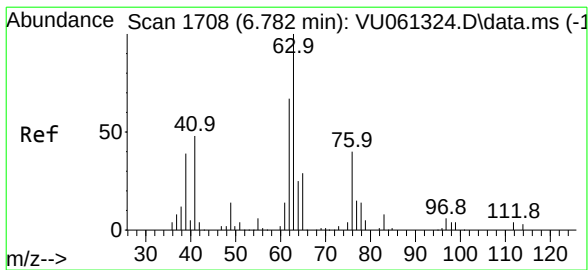
83 100

55 70.1 55.9 83.9

98 46.1 35.9 53.9



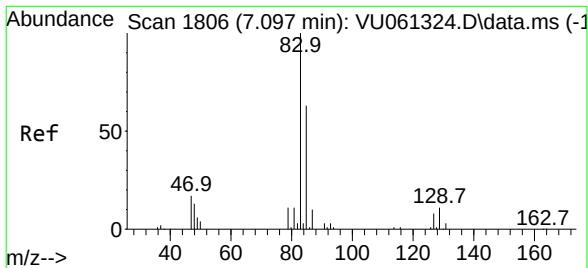
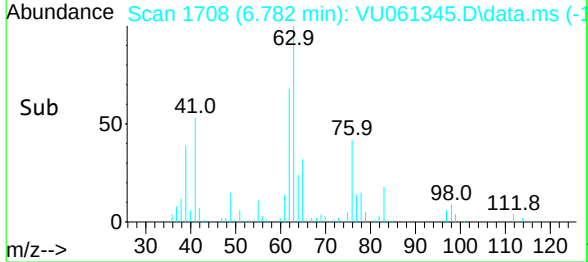
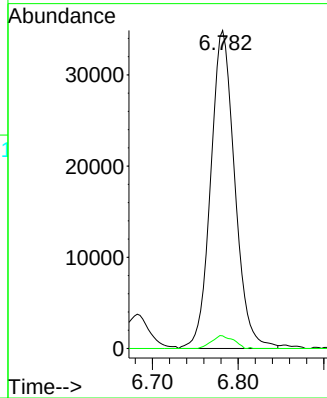
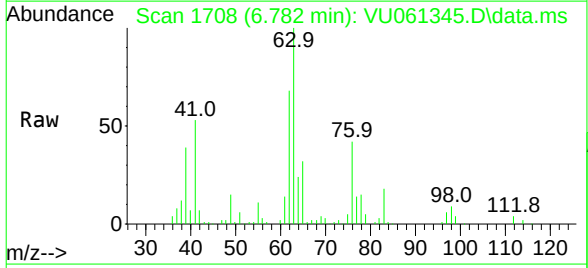




#37  
1,2-Dichloropropane  
Concen: 5.329 ug/L  
RT: 6.782 min Scan# 1708  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

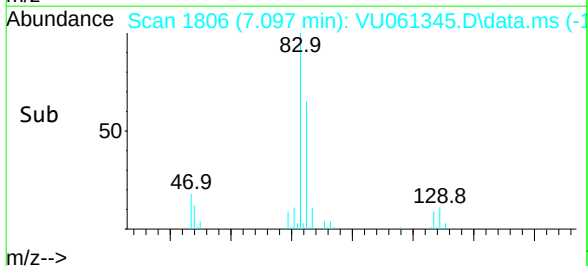
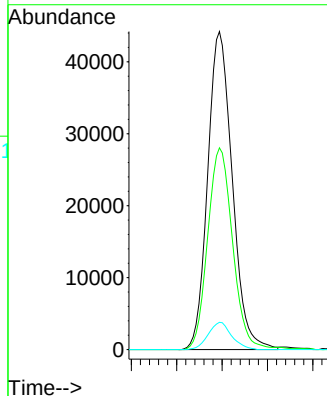
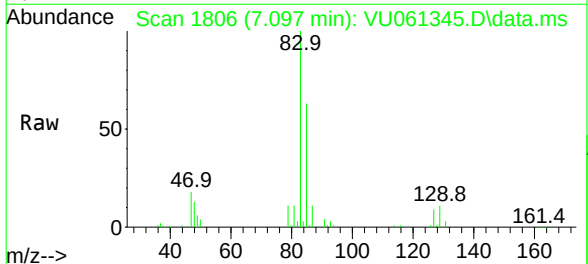
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

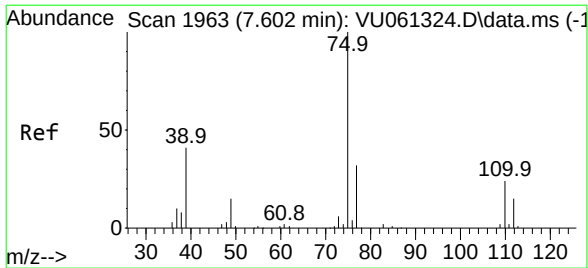
Tgt Ion: 63 Resp: 68216  
Ion Ratio Lower Upper  
63 100  
112 3.6 3.0 4.4



#38  
Bromodichloromethane  
Concen: 5.138 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion: 83 Resp: 83225  
Ion Ratio Lower Upper  
83 100  
85 63.4 43.8 81.4  
127 8.6 7.4 11.0

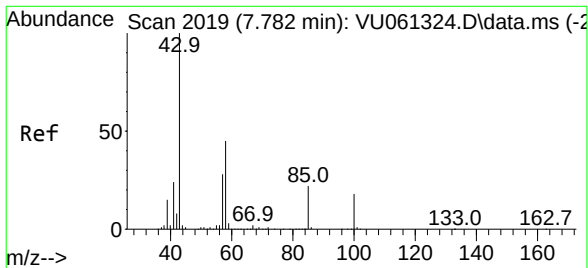
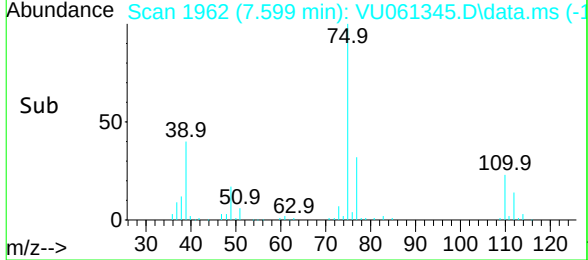
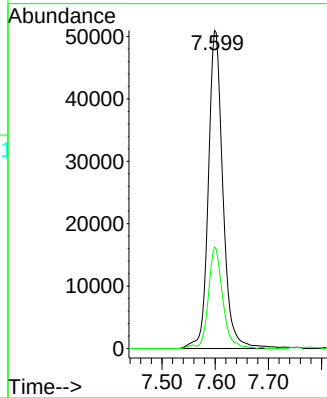
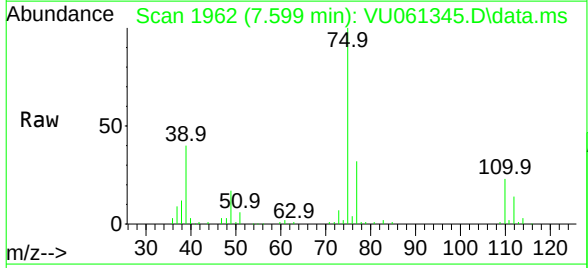




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.901 ug/L  
 RT: 7.599 min Scan# 1962  
 Delta R.T. -0.003 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

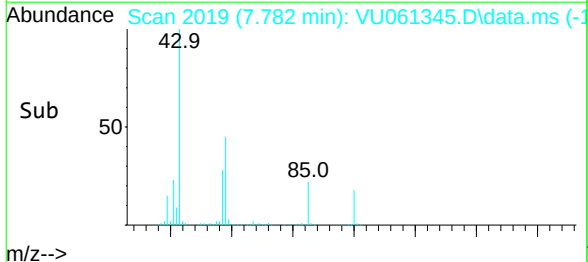
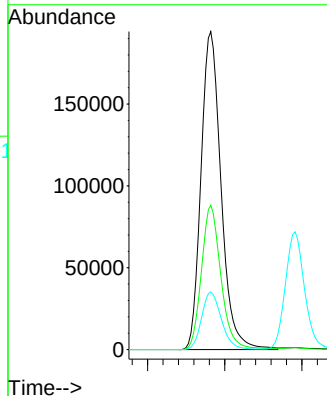
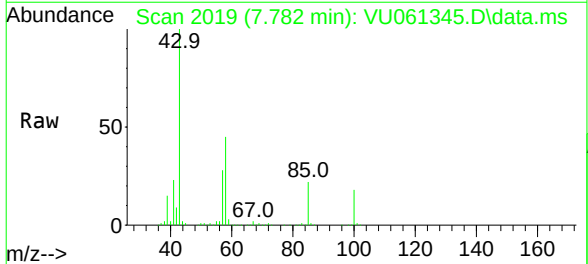
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCP06MSD

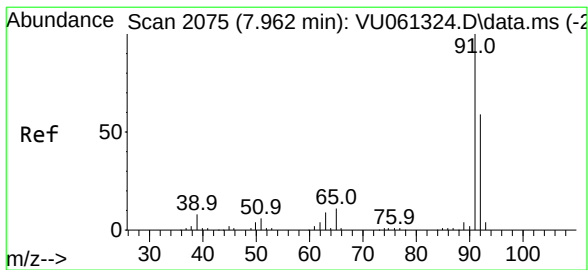
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 96900 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 31.9  | 22.5  | 41.7  |



#40  
 4-Methyl-2-pentanone  
 Concen: 55.032 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 350579 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 44.1  | 35.1  | 52.7   |
| 100       | 17.9  | 14.0  | 21.0   |





#42

Toluene

Concen: 5.265 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

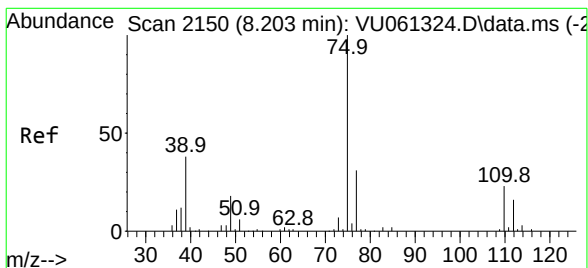
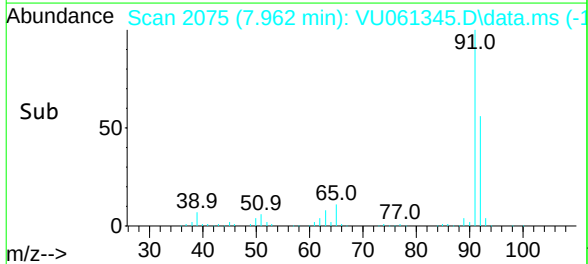
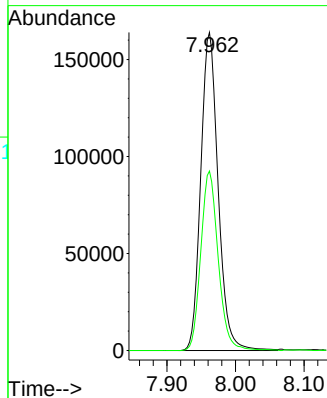
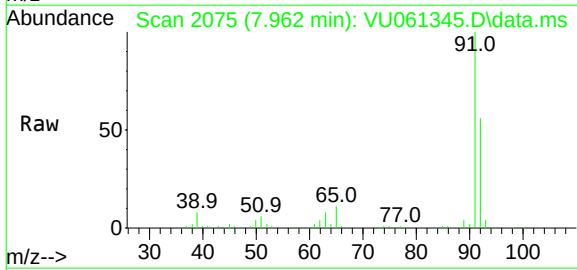
GCP06MSD

Tgt Ion: 91 Resp: 288700

Ion Ratio Lower Upper

91 100

92 56.4 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.805 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU061345.D

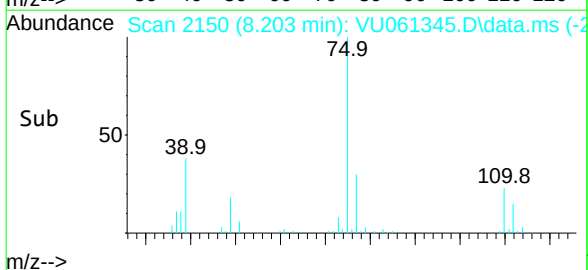
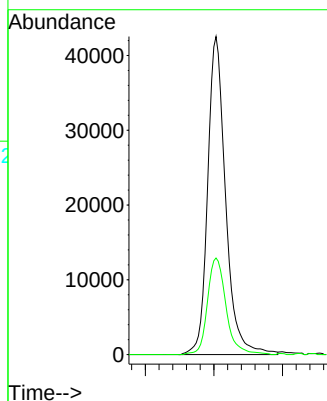
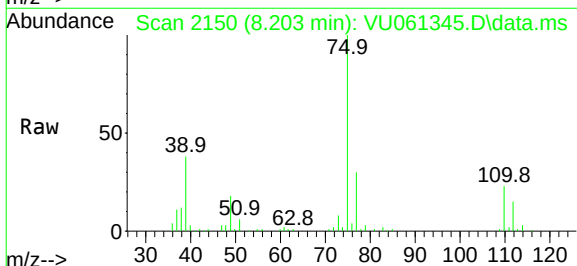
Acq: 01 Nov 2024 05:57

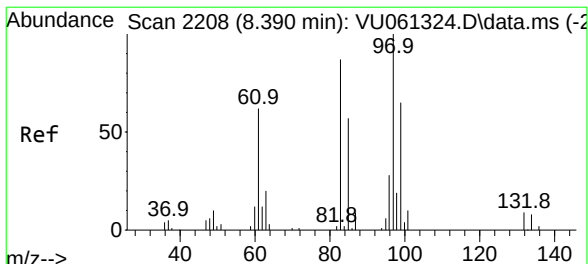
Tgt Ion: 75 Resp: 77405

Ion Ratio Lower Upper

75 100

77 30.4 22.0 40.8

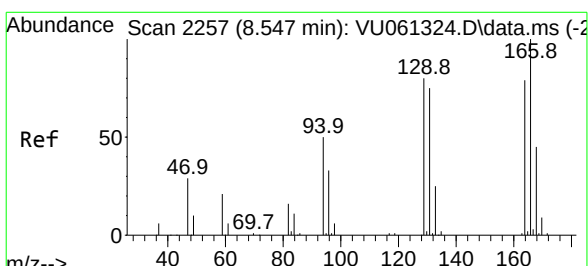
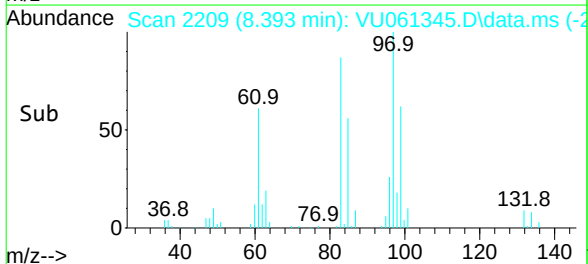
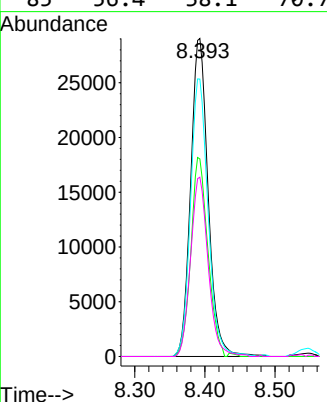
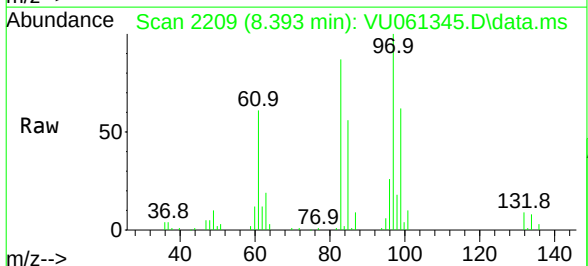




#45  
 1,1,2-Trichloroethane  
 Concen: 5.456 ug/L  
 RT: 8.393 min Scan# 2209  
 Delta R.T. 0.003 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

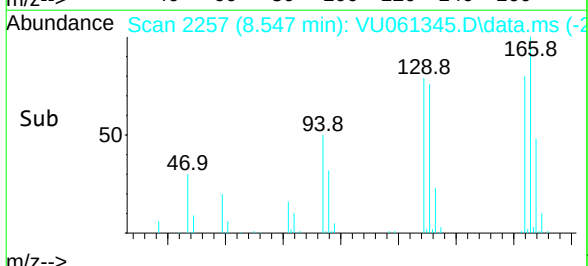
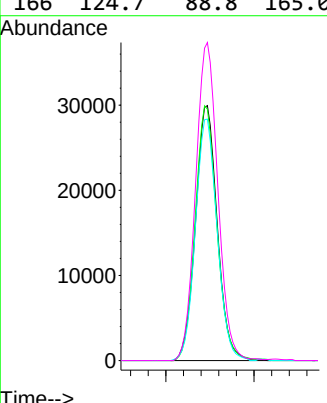
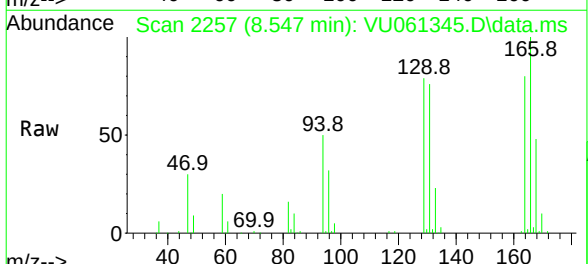
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCP06MSD

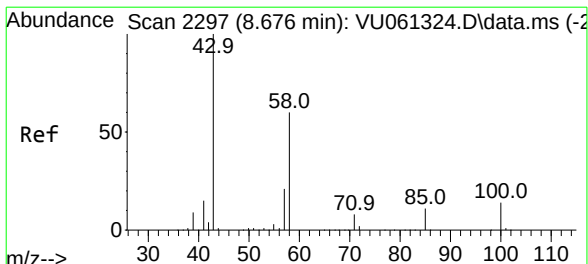
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 50261 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.1  | 44.1  | 81.9  |
| 83       | 87.2  | 61.2  | 113.6 |
| 85       | 56.4  | 38.1  | 70.7  |



#47  
 Tetrachloroethene  
 Concen: 5.351 ug/L  
 RT: 8.547 min Scan# 2257  
 Delta R.T. 0.000 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 51334 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.6  | 69.9  | 129.7 |
| 131      | 94.7  | 68.3  | 126.8 |
| 166      | 124.7 | 88.8  | 165.0 |

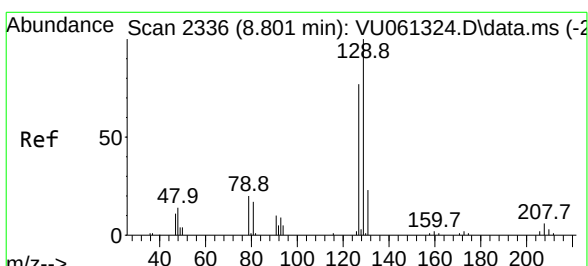
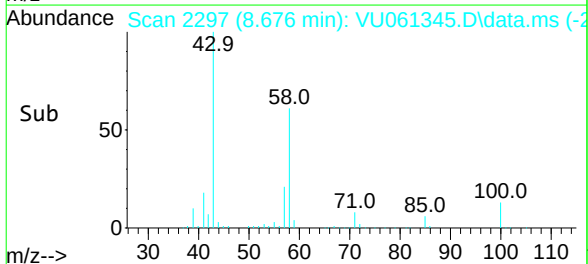
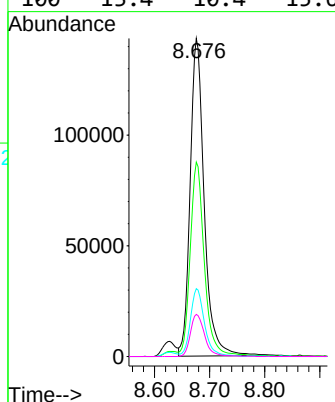
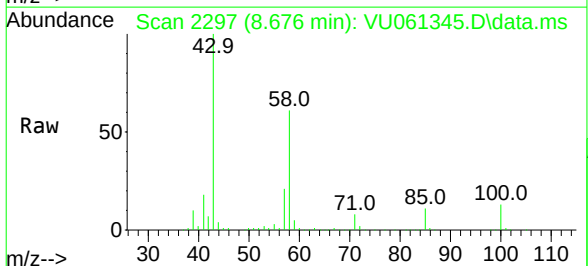




#48  
2-Hexanone  
Concen: 56.527 ug/L  
RT: 8.676 min Scan# 2297  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

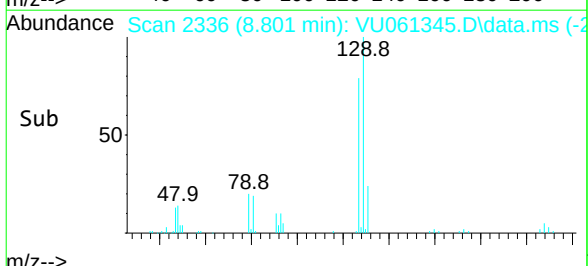
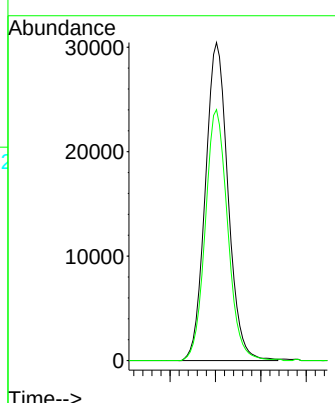
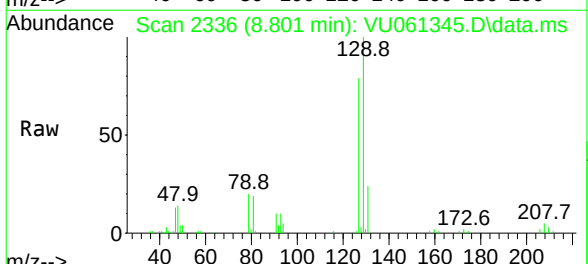
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

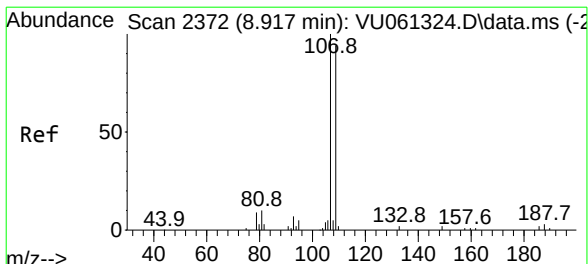
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 254646 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 60.8  | 48.6  | 72.8   |
| 57       | 21.6  | 17.0  | 25.6   |
| 100      | 13.4  | 10.4  | 15.6   |



#49  
Dibromochloromethane  
Concen: 5.061 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 52870 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 78.9  | 51.8  | 96.2  |

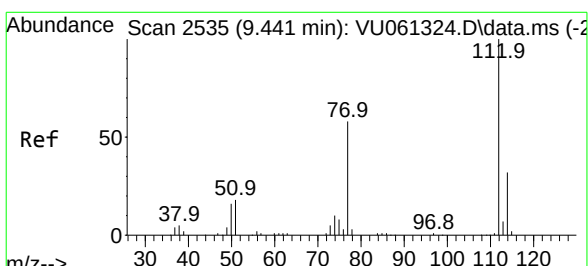
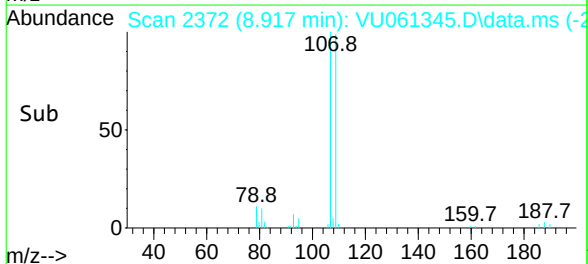
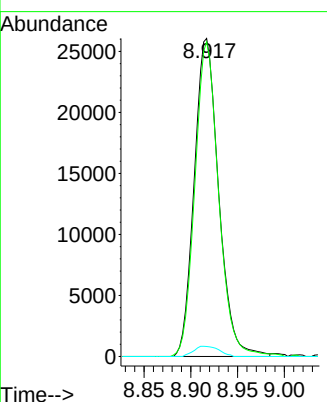
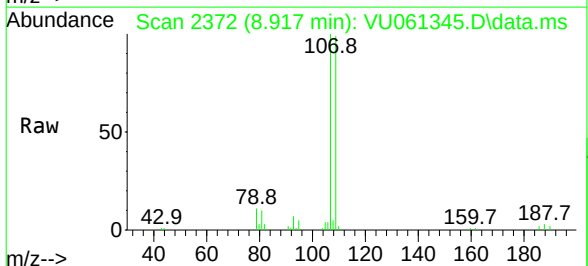




#50  
 1,2-Dibromoethane  
 Concen: 5.297 ug/L  
 RT: 8.917 min Scan# 2372  
 Delta R.T. 0.000 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

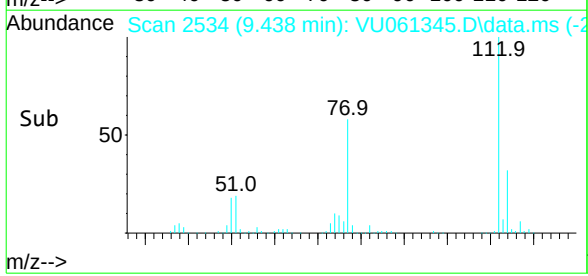
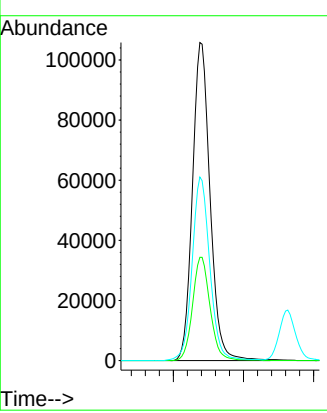
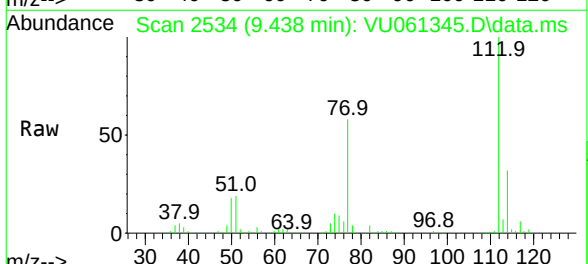
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCP06MSD

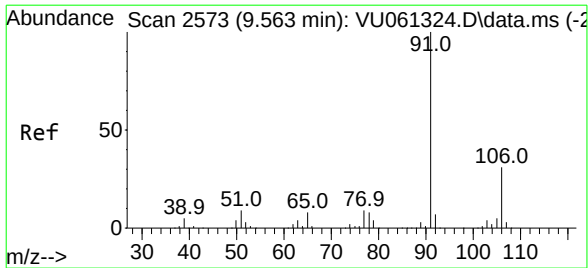
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 47404 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 98.9  | 63.4  | 117.8 |
| 188      | 3.1   | 2.6   | 3.8   |



#51  
 Chlorobenzene  
 Concen: 5.312 ug/L  
 RT: 9.438 min Scan# 2534  
 Delta R.T. -0.003 min  
 Lab File: VU061345.D  
 Acq: 01 Nov 2024 05:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 184134 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.5  | 22.9  | 42.5   |
| 77       | 57.7  | 47.1  | 70.7   |

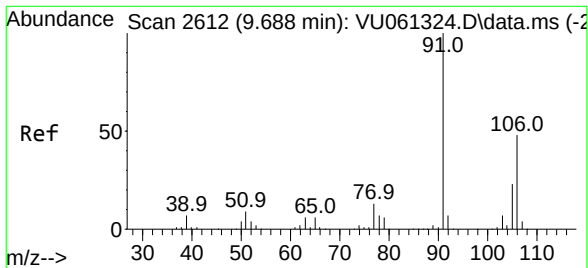
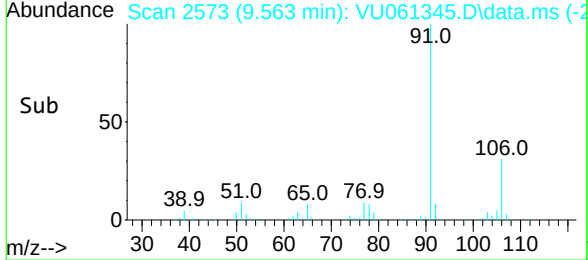
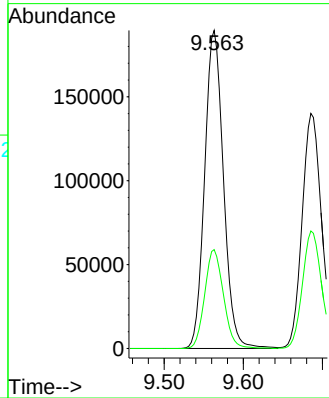
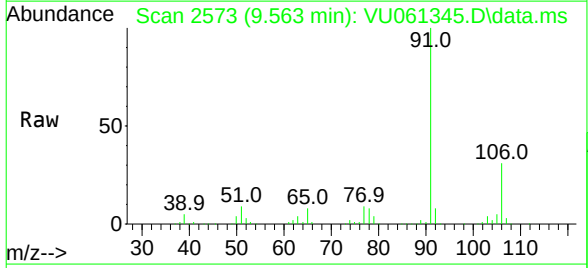




#52  
Ethylbenzene  
Concen: 5.193 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

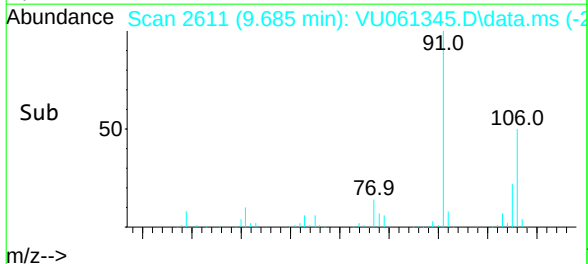
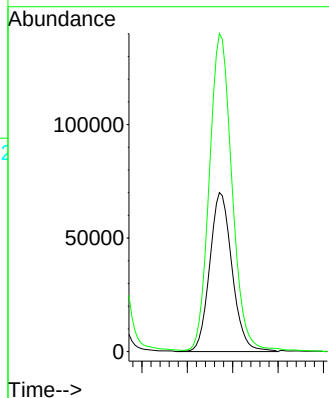
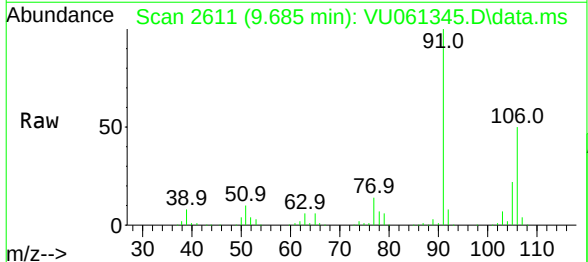
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCP06MSD

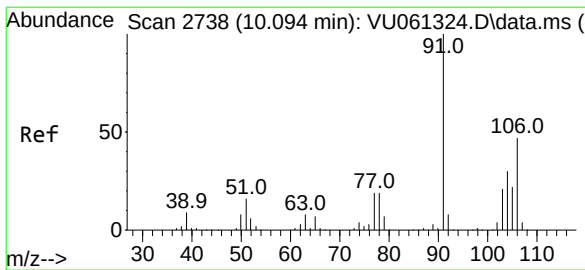
Tgt Ion: 91 Resp: 313272  
Ion Ratio Lower Upper  
91 100  
106 31.1 22.0 41.0



#53  
m,p-Xylene  
Concen: 5.208 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. -0.003 min  
Lab File: VU061345.D  
Acq: 01 Nov 2024 05:57

Tgt Ion: 106 Resp: 119691  
Ion Ratio Lower Upper  
106 100  
91 200.0 145.7 270.7





#54

o-Xylene

Concen: 5.169 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

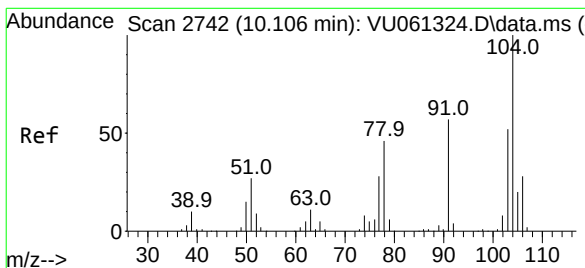
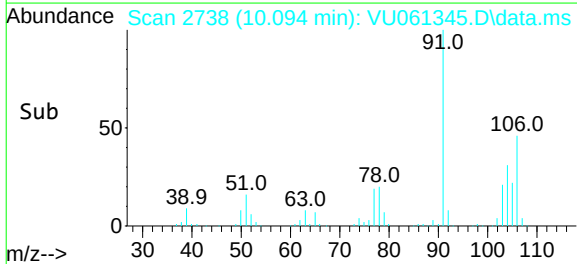
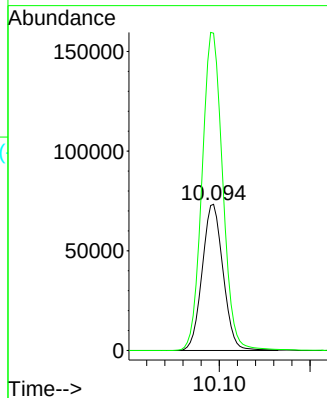
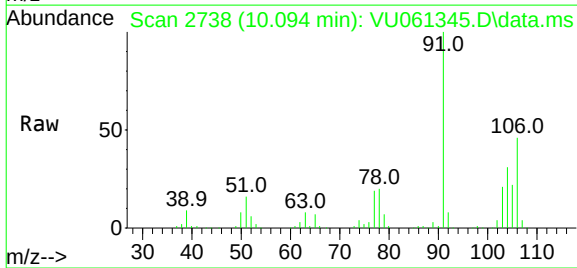
GCP06MSD

Tgt Ion:106 Resp: 117230

Ion Ratio Lower Upper

106 100

91 217.0 148.8 276.4



#55

Styrene

Concen: 5.190 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061345.D

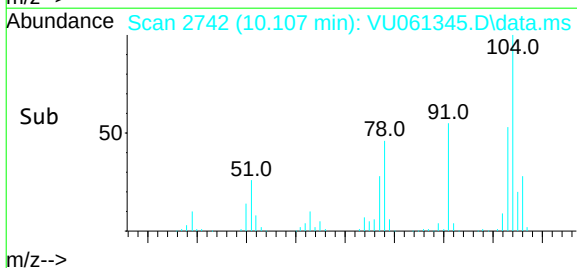
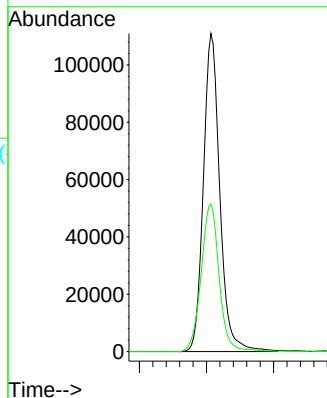
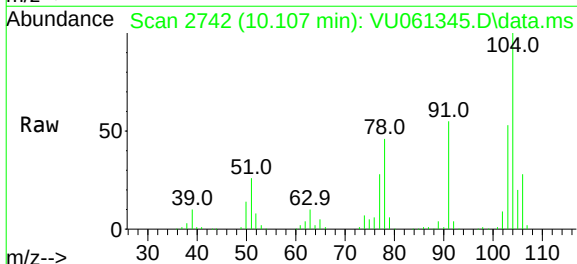
Acq: 01 Nov 2024 05:57

Tgt Ion:104 Resp: 188718

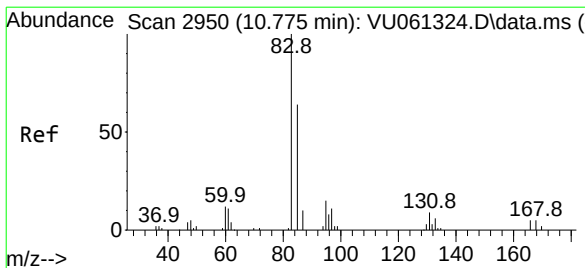
Ion Ratio Lower Upper

104 100

78 46.4 32.3 59.9







#57

1,1,2,2-Tetrachloroethane

Concen: 5.588 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

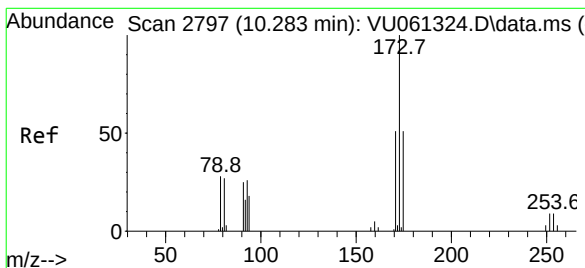
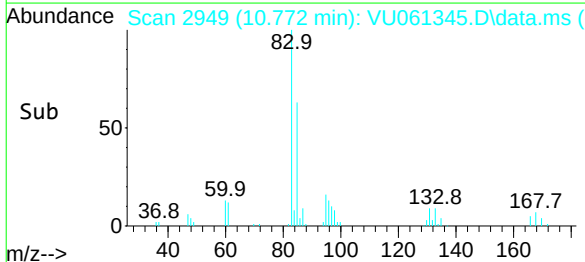
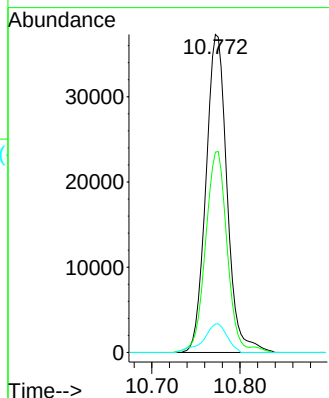
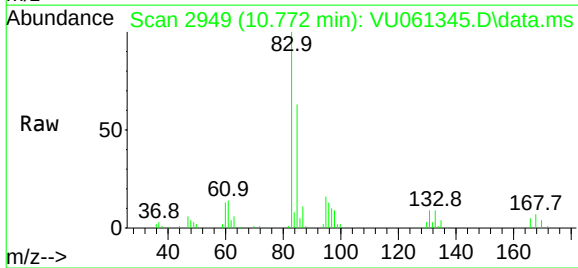
Instrument :

MSVOA\_U

ClientSampleId :

GCP06MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 62027 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.0  | 45.3  | 84.1  |
| 131      | 8.9   | 7.6   | 11.4  |



#59

Bromoform

Concen: 4.965 ug/L

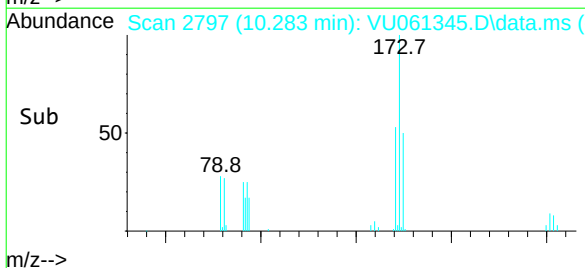
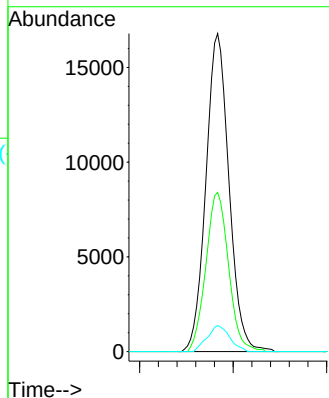
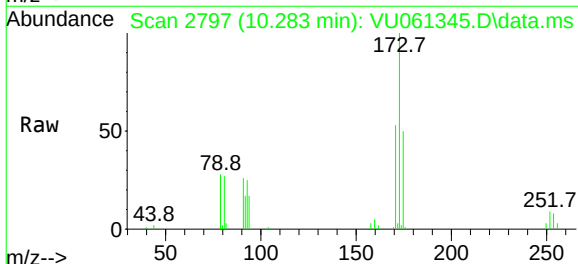
RT: 10.283 min Scan# 2797

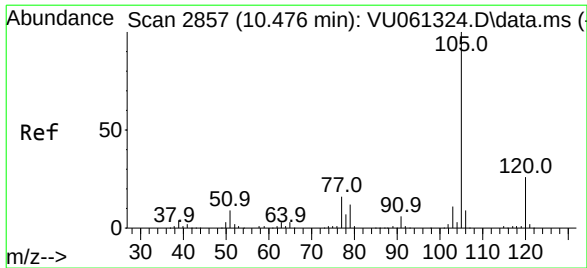
Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 28787 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 49.2  | 39.0  | 58.4  |
| 254      | 7.9   | 6.8   | 10.2  |





#60

Isopropylbenzene

Concen: 5.139 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

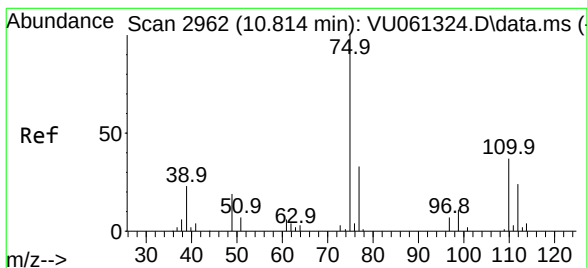
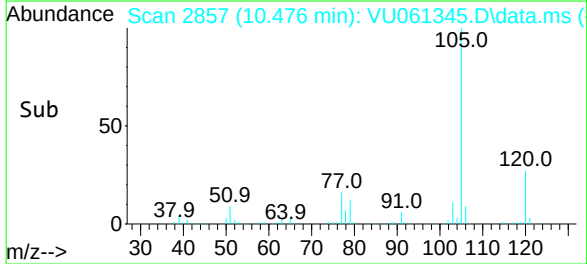
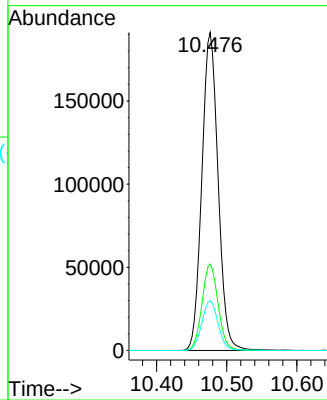
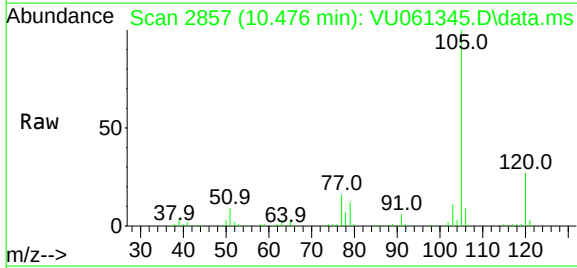
Instrument :

MSVOA\_U

ClientSampleId :

GCP06MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 307534 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.9  | 21.2  | 31.8   |
| 77        | 15.8  | 12.6  | 19.0   |



#61

1,2,3-Trichloropropane

Concen: 5.403 ug/L

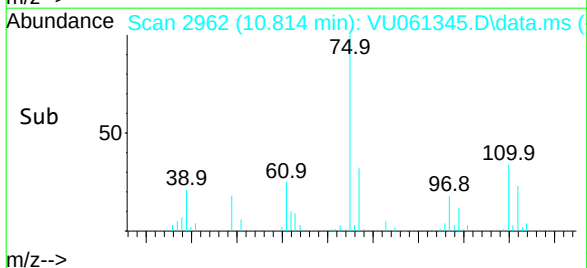
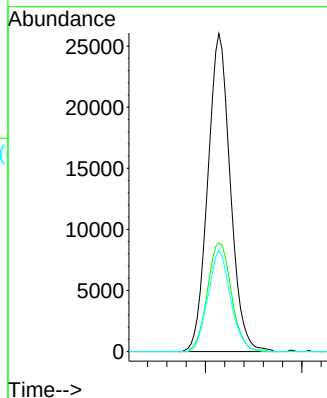
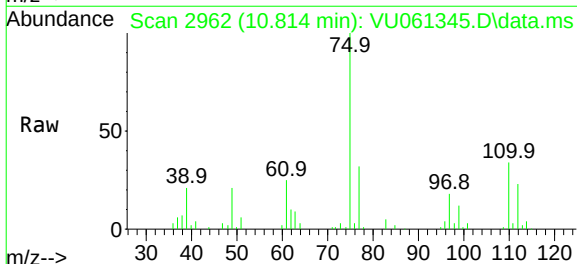
RT: 10.814 min Scan# 2962

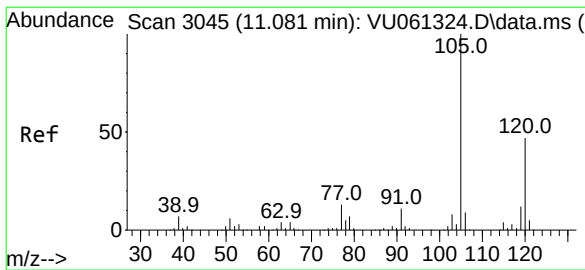
Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 42164 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.5  | 28.8  | 43.2  |
| 77        | 32.0  | 25.7  | 38.5  |





#62

1,3,5-Trimethylbenzene

Concen: 5.048 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

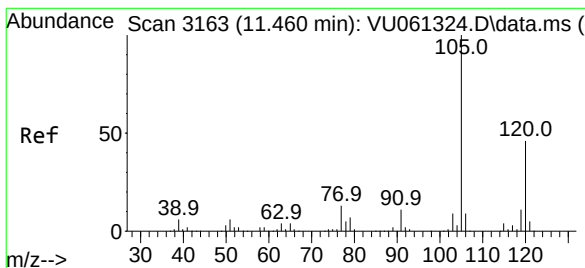
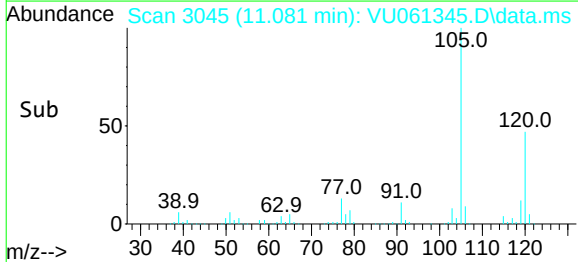
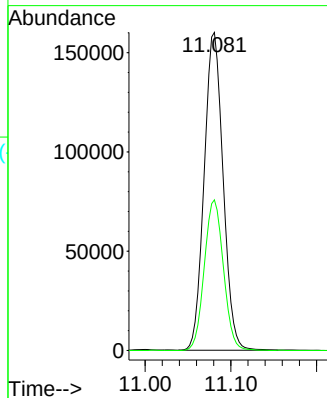
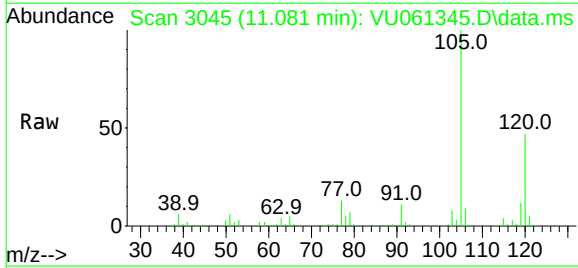
GCP06MSD

Tgt Ion:105 Resp: 245916

Ion Ratio Lower Upper

105 100

120 47.9 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 5.061 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061345.D

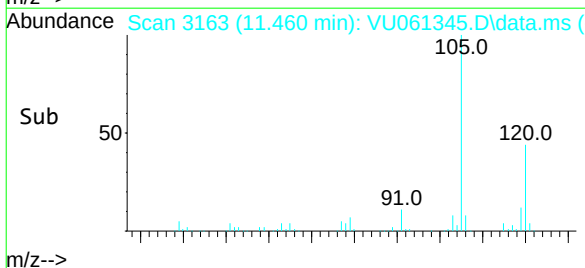
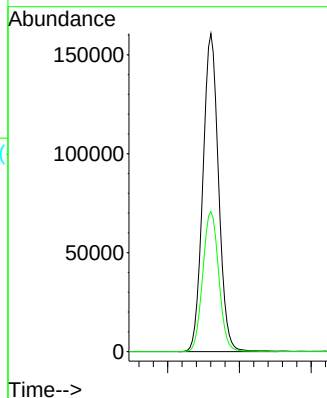
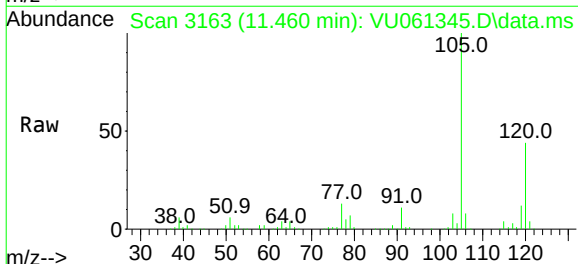
Acq: 01 Nov 2024 05:57

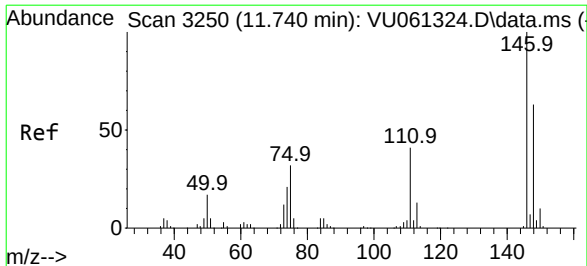
Tgt Ion:105 Resp: 243717

Ion Ratio Lower Upper

105 100

120 45.0 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.304 ug/L

RT: 11.737 min Scan# 32

Delta R.T. -0.003 min

Lab File: VU061345.D

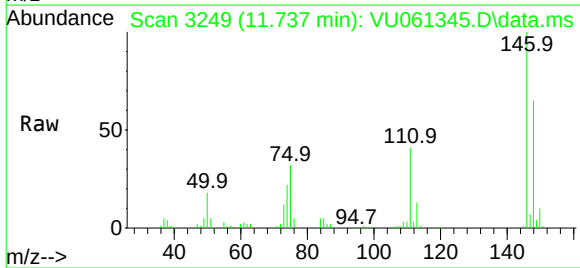
Acq: 01 Nov 2024 05:57

Instrument :

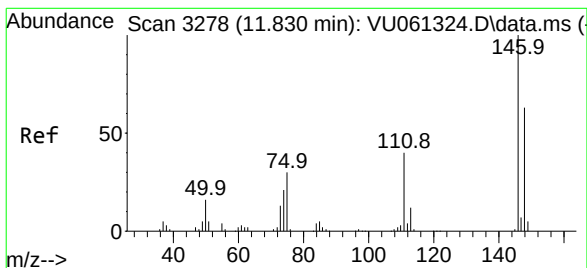
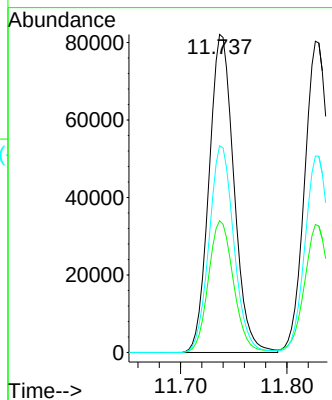
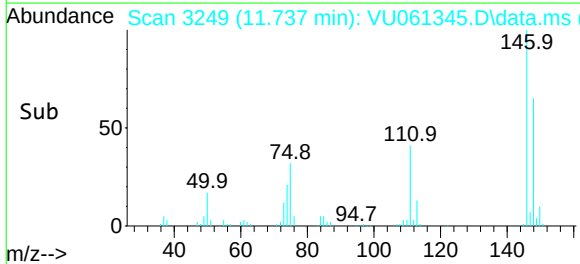
MSVOA\_U

ClientSampleId :

GCP06MSD



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 133570 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 41.4  | 30.0  | 55.8   |
| 148      | 65.0  | 45.1  | 83.7   |



#65

1,4-Dichlorobenzene

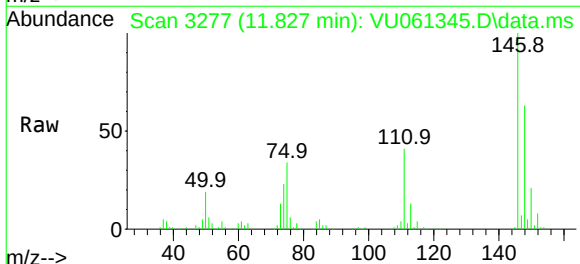
Concen: 5.193 ug/L

RT: 11.827 min Scan# 3277

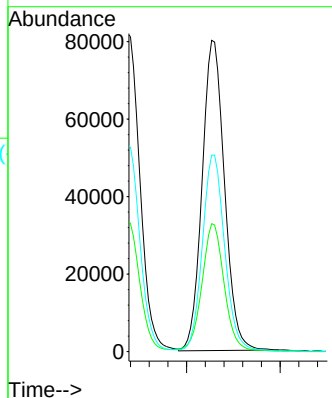
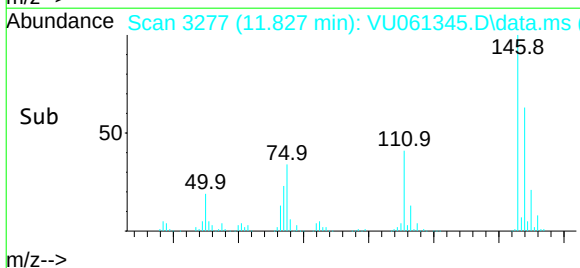
Delta R.T. -0.003 min

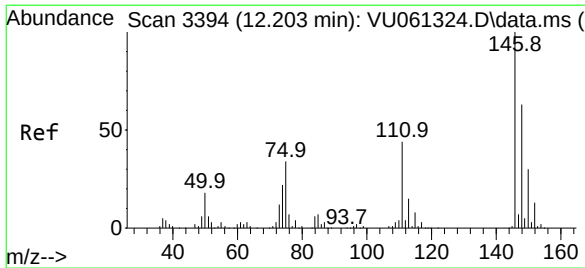
Lab File: VU061345.D

Acq: 01 Nov 2024 05:57



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 133329 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 41.1  | 28.2  | 52.4   |
| 148      | 63.1  | 43.3  | 80.3   |





#67

1,2-Dichlorobenzene

Concen: 5.285 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

GCP06MSD

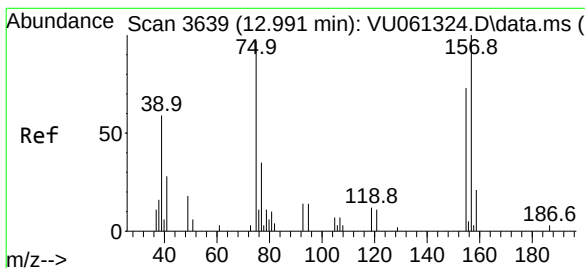
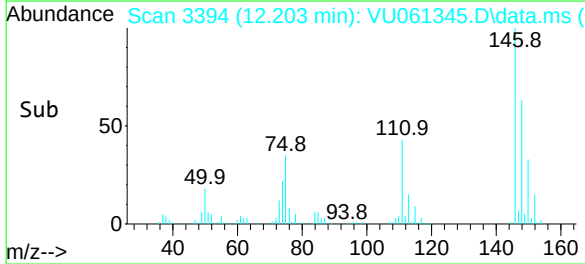
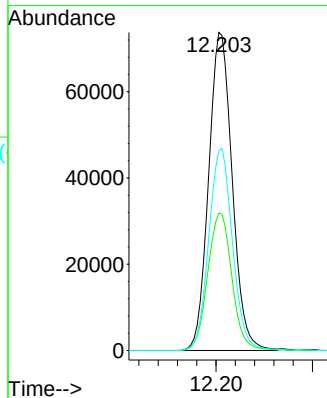
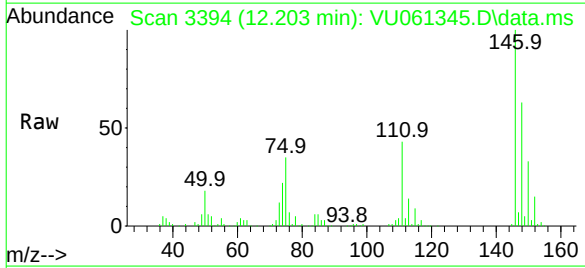
Tgt Ion:146 Resp: 125273

Ion Ratio Lower Upper

146 100

111 43.2 35.2 52.8

148 62.8 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.096 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

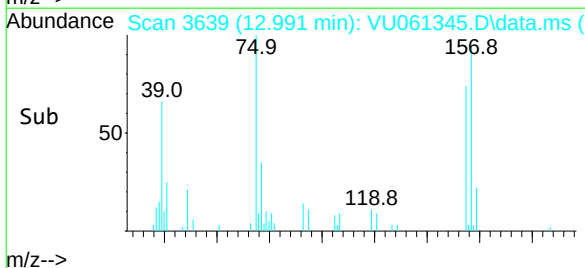
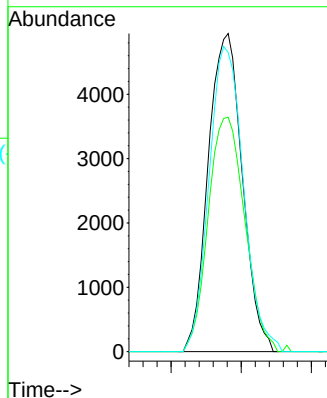
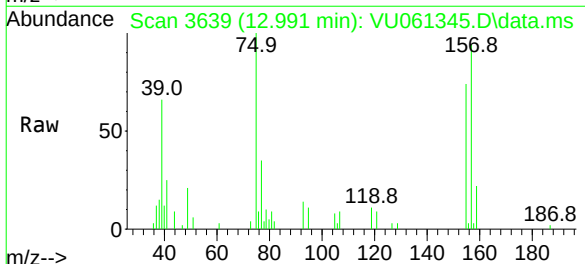
Tgt Ion: 75 Resp: 8349

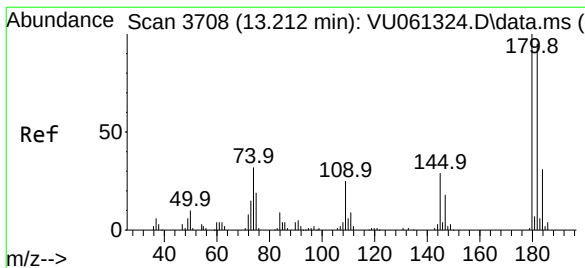
Ion Ratio Lower Upper

75 100

155 73.7 69.3 103.9

157 94.0 81.4 122.2





#69

1,3,5-Trichlorobenzene

Concen: 5.291 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU061345.D

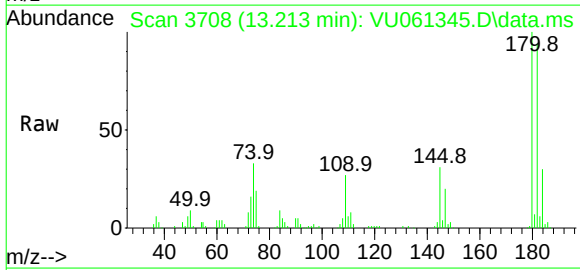
Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

GCP06MSD



Tgt Ion:180 Resp: 91336

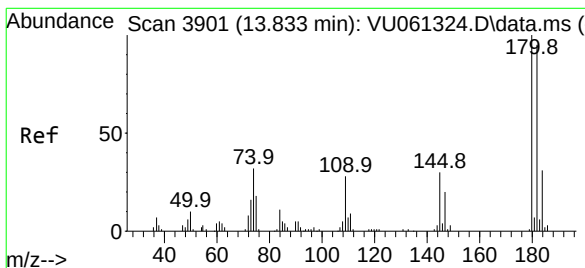
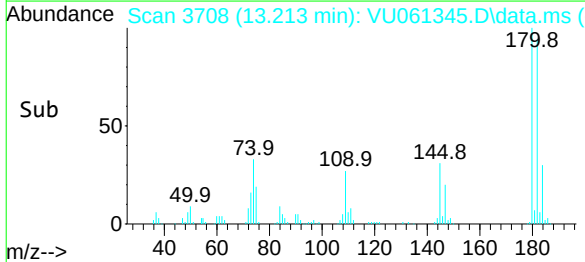
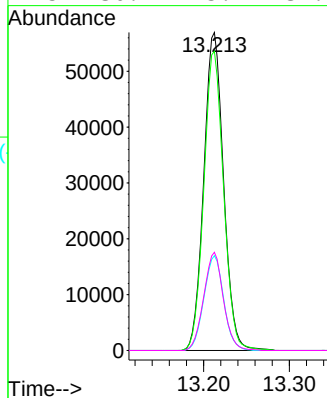
Ion Ratio Lower Upper

180 100

182 94.0 77.4 116.2

184 29.8 24.4 36.6

145 30.7 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 5.428 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

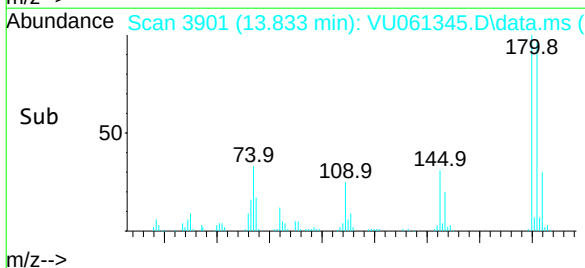
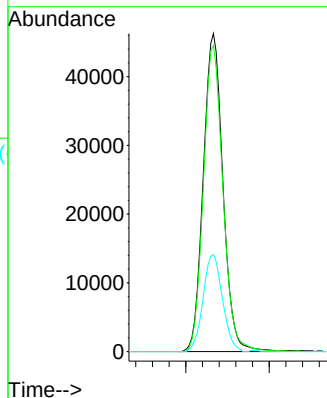
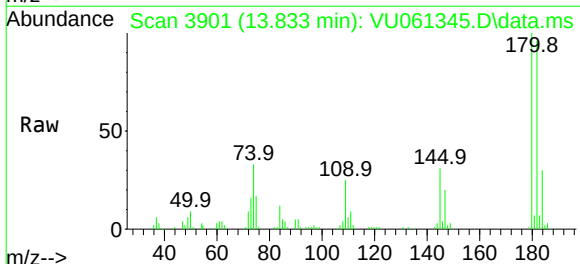
Tgt Ion:180 Resp: 75624

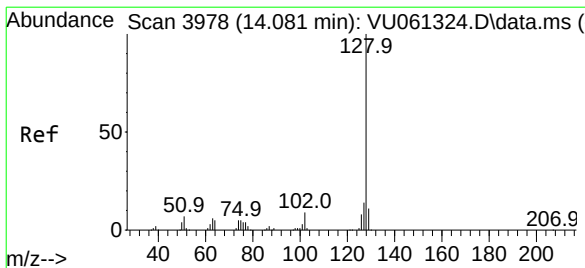
Ion Ratio Lower Upper

180 100

182 95.6 77.2 115.8

145 30.1 25.6 38.4





#71

Naphthalene

Concen: 5.487 ug/L

RT: 14.081 min Scan# 39

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Instrument :

MSVOA\_U

ClientSampleId :

GCP06MSD

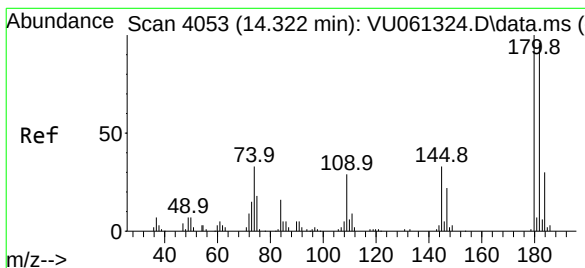
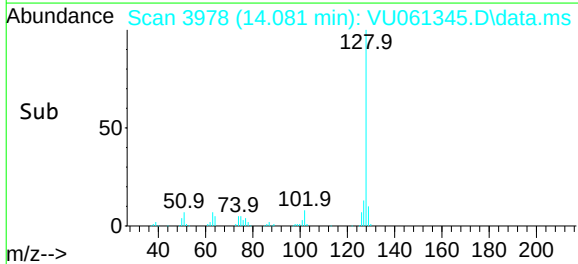
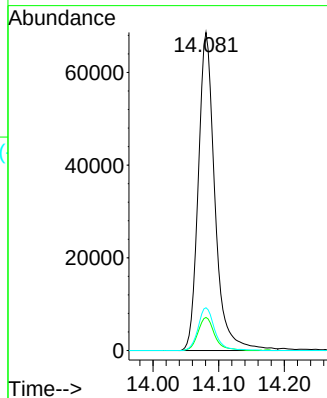
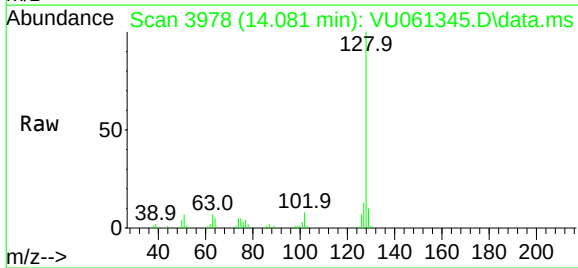
Tgt Ion:128 Resp: 120617

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

127 13.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.597 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU061345.D

Acq: 01 Nov 2024 05:57

Tgt Ion:180 Resp: 65242

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 31.4 26.5 39.7

