

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046205.D  
 Acq On : 09 Dec 2021 02:41  
 Operator : SY/MD  
 Sample : M4983-09MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5N8MSD

Quant Time: Dec 09 04:38:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 209398   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 205454   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 113472   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 54265    | 31.460   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 62.920%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 43966    | 33.198   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 66.400%# |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 117969   | 38.097   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 76.200%  |
| 21) 2-Butanone-d5             | 4.639   | 46    | 128090   | 93.413   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 93.410%  |
| 24) Chloroform-d              | 5.067   | 84    | 125313   | 43.504   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 79878    | 41.320   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.640%  |
| 32) Benzene-d6                | 5.732   | 84    | 245035   | 41.611   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.220%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 79271    | 43.436   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 86.880%  |
| 41) Toluene-d8                | 7.899   | 98    | 224453   | 41.863   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 83.720%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 40095    | 45.511   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.020%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 94116    | 108.767  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 108.770% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 130550   | 47.169   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.340%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 98319    | 44.992   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.980%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388   | 85    | 95276    | 41.821   | ug/L   | 99       |
| 3) Chloromethane              | 1.523   | 50    | 81366    | 39.930   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607   | 62    | 88140    | 42.898   | ug/L   | 98       |
| 6) Bromomethane               | 1.864   | 94    | 51490    | 44.215   | ug/L   | 98       |
| 8) Chloroethane               | 1.941   | 64    | 49191    | 41.350   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144   | 101   | 120165   | 44.797   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588   | 101   | 74397    | 48.828   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.588   | 96    | 76781    | 53.030   | ug/L # | 78       |
| 13) Acetone                   | 2.658   | 43    | 86663    | 50.570   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.800   | 76    | 193038   | 42.973   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.957   | 43    | 83781    | 41.937   | ug/L   | 96       |
| 16) Methylene chloride        | 3.051   | 84    | 79793    | 46.321   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 76715    | 50.068   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 254912   | 53.983   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 205281   | 73.685   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 123506   | 74.287   | ug/L   | 98       |
| 22) 2-Butanone                | 4.719   | 43    | 140810   | 75.479   | ug/L   | 95       |
| 23) Bromochloromethane        | 4.980   | 128   | 44242    | 52.689   | ug/L   | 91       |
| 25) Chloroform                | 5.092   | 83    | 150252   | 48.541   | ug/L   | 99       |

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 Sample : M4983-09MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

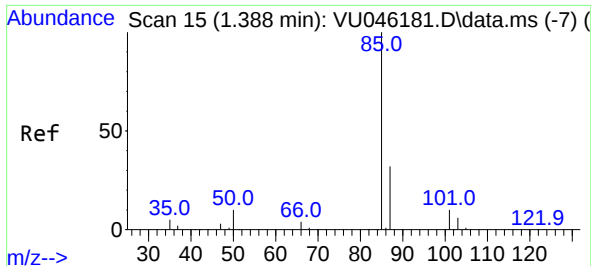
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5N8MSD

Quant Time: Dec 09 04:38:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 110292   | 48.017  | ug/L   | 99       |
| 29) Cyclohexane               | 5.391  | 56   | 121320   | 50.711  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.321  | 97   | 483545   | 191.734 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 109484   | 51.136  | ug/L   | 97       |
| 33) Benzene                   | 5.777  | 78   | 313167   | 50.362  | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 91939    | 56.123  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.768  | 83   | 123039   | 48.440  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 81671    | 50.138  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 111781   | 51.628  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 133370   | 53.820  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 251278   | 104.993 | ug/L   | 98       |
| 42) Toluene                   | 7.970  | 91   | 347173   | 52.031  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 127020   | 52.188  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 86203    | 52.748  | ug/L   | 96       |
| 46) Tetrachloroethene         | 8.555  | 164  | 79810    | 66.296  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.684  | 43   | 202609   | 94.660  | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.812  | 129  | 91345    | 53.227  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 92965    | 52.469  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 225155   | 52.159  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 387595   | 53.976  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 151316   | 54.032  | ug/L   | 97       |
| 54) o-xylene                  | 10.102 | 106  | 148873   | 54.786  | ug/L   | 95       |
| 55) Styrene                   | 10.115 | 104  | 256678   | 55.326  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 144523   | 51.582  | ug/L   | 98       |
| 59) Bromoform                 | 10.291 | 173  | 68765    | 51.658  | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 121374   | 48.795  | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 394354   | 53.414  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 334477   | 54.353  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 337909   | 54.884  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 185414   | 52.870  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 187547   | 51.745  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 184252   | 52.172  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 33832    | 51.056  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 133995   | 52.438  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 126479   | 55.777  | ug/L   | 99       |
| 71) Naphthalene               | 14.086 | 128  | 481936   | 61.076  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 128892   | 55.741  | ug/L   | 98       |

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

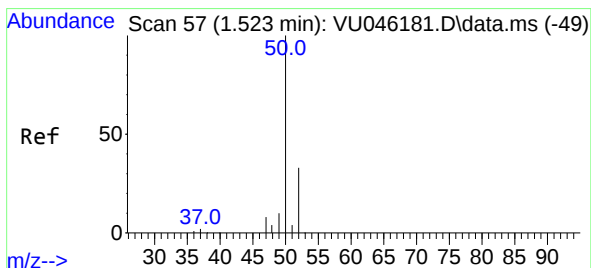
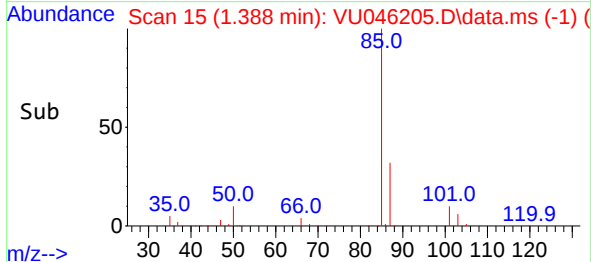
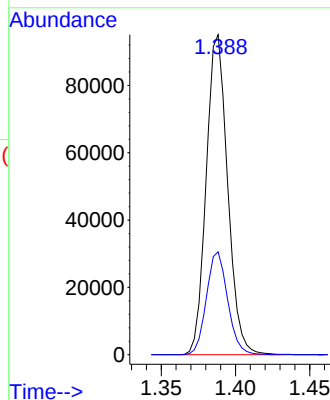
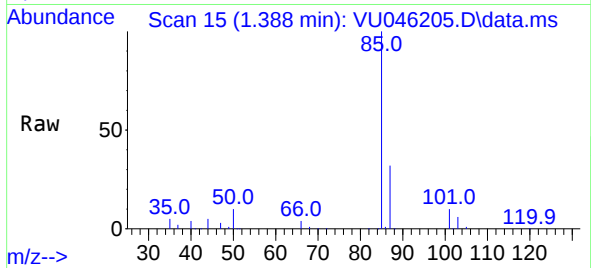




#2  
Dichlorodifluoromethane  
Concen: 41.821 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

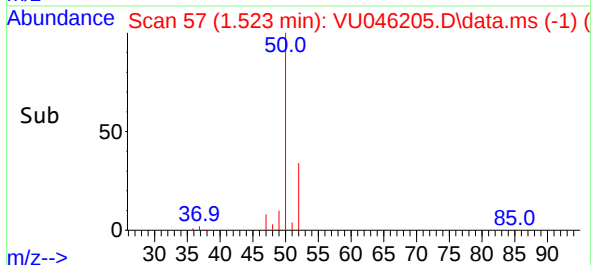
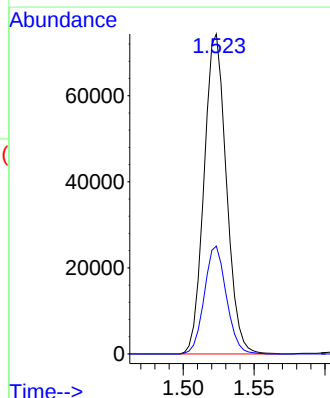
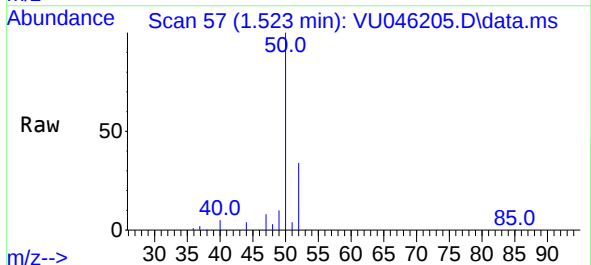
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

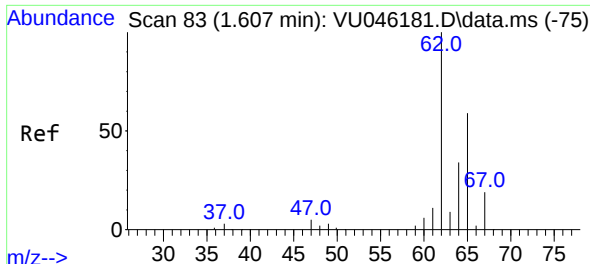
Tgt Ion: 85 Resp: 95276  
Ion Ratio Lower Upper  
85 100  
87 31.8 25.7 38.5



#3  
Chloromethane  
Concen: 39.930 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 50 Resp: 81366  
Ion Ratio Lower Upper  
50 100  
52 33.7 23.2 43.2

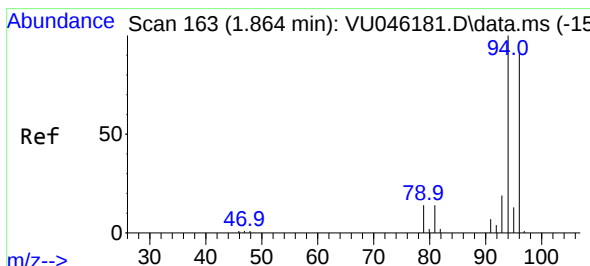
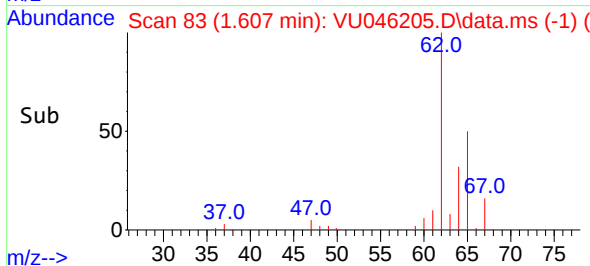
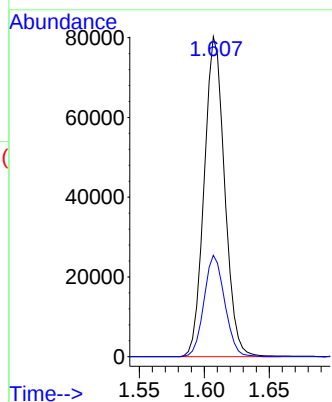
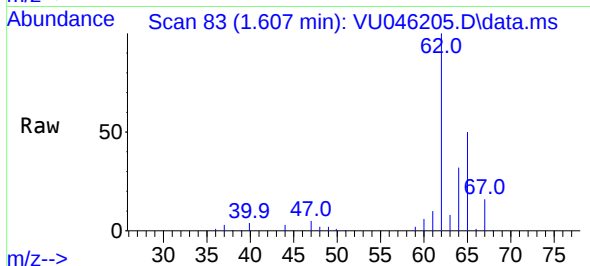




#5  
 Vinyl chloride  
 Concen: 42.898 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU046205.D  
 Acq: 09 Dec 2021 02:41

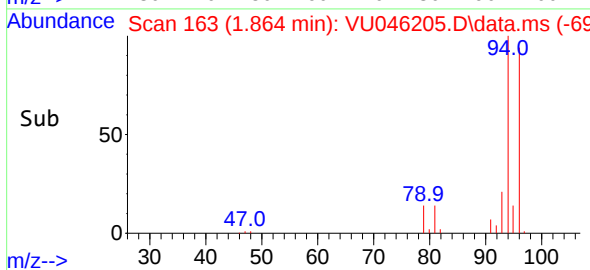
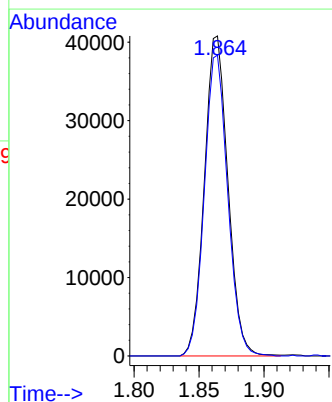
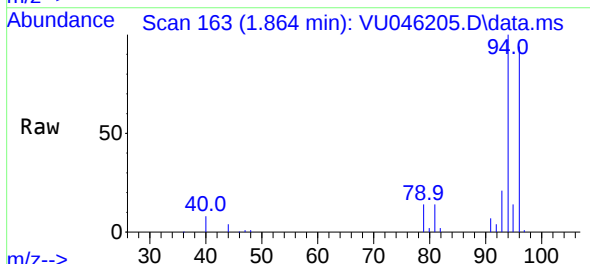
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5N8MSD

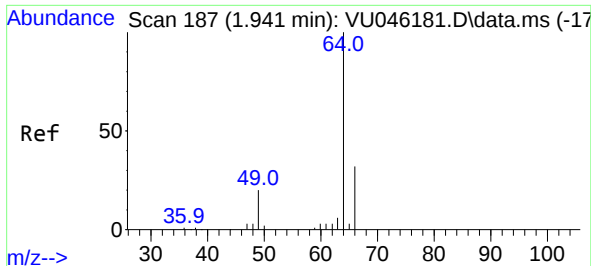
Tgt Ion: 62 Resp: 88140  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 22.9 42.5



#6  
 Bromomethane  
 Concen: 44.215 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. 0.003 min  
 Lab File: VU046205.D  
 Acq: 09 Dec 2021 02:41

Tgt Ion: 94 Resp: 51490  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 67.4 125.2

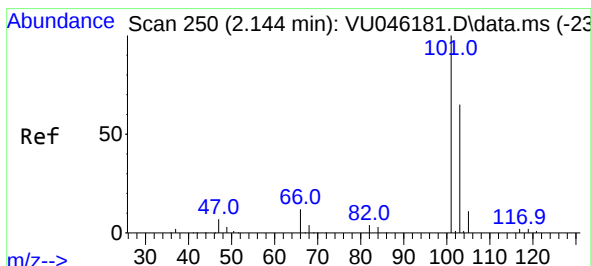
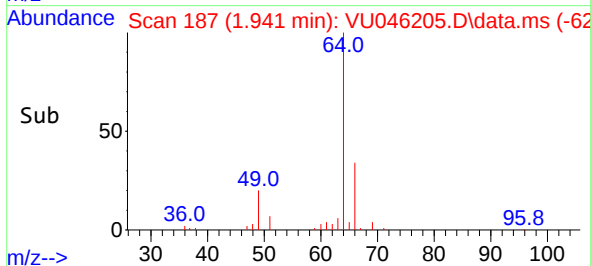
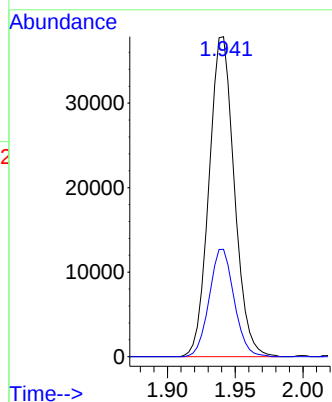
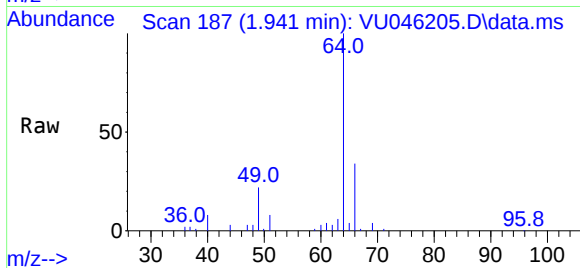




#8  
Chloroethane  
Concen: 41.350 ug/L  
RT: 1.941 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

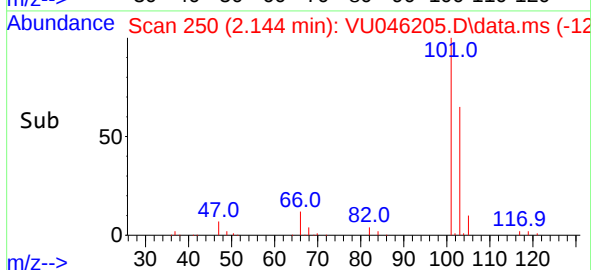
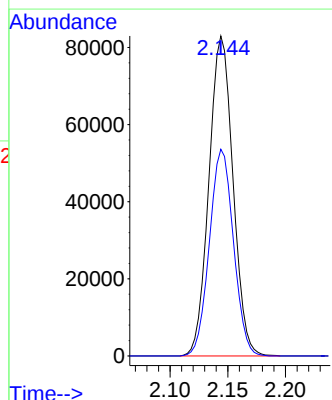
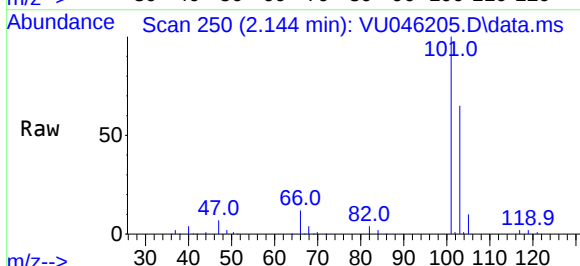
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

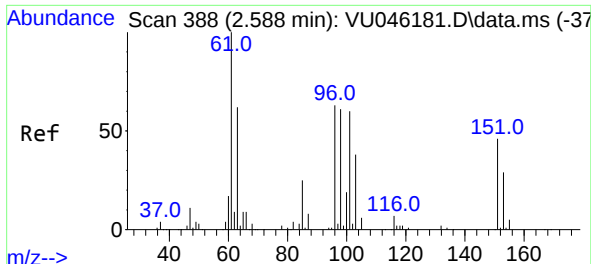
Tgt Ion: 64 Resp: 49191  
Ion Ratio Lower Upper  
64 100  
66 33.6 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 44.797 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion:101 Resp: 120165  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.8 77.6

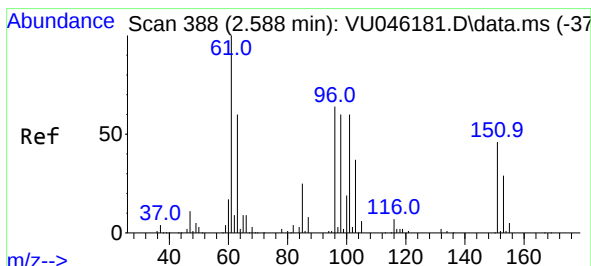
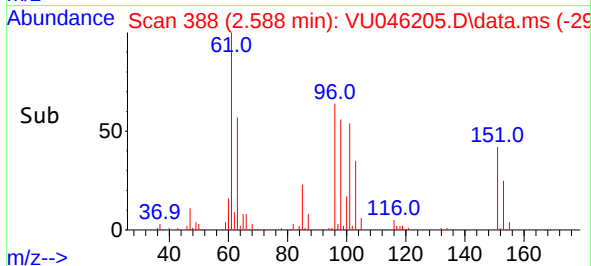
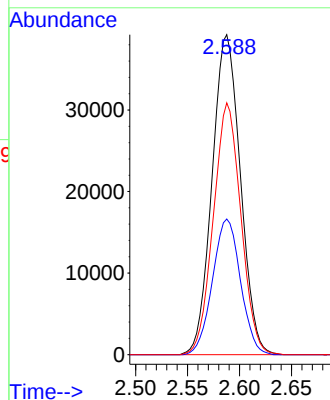
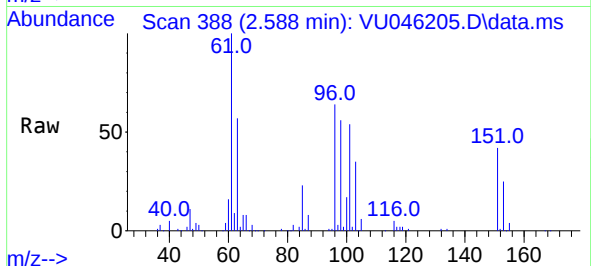




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 48.828 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. -0.000 min  
 Lab File: VU046205.D  
 Acq: 09 Dec 2021 02:41

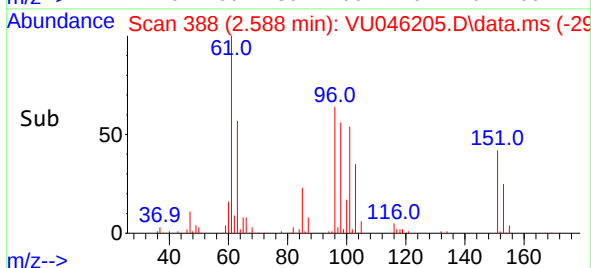
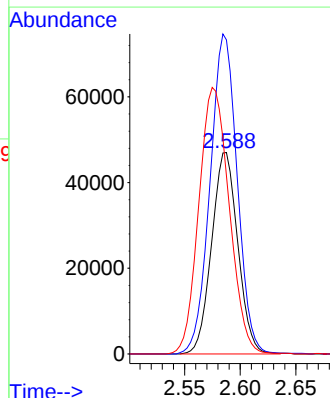
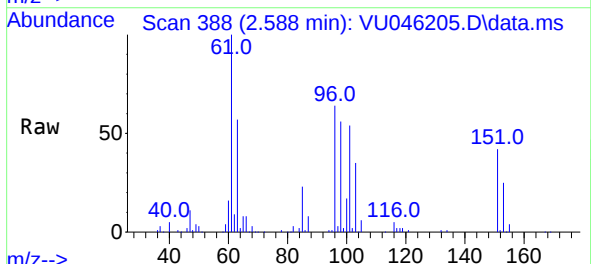
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5N8MSD

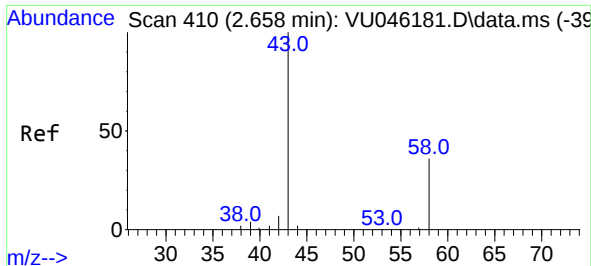
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 Ion Ratio Lower Upper  
 101 100  
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 151 76.6 56.7 85.1



#12  
 1,1-Dichloroethene  
 Concen: 53.030 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. 0.003 min  
 Lab File: VU046205.D  
 Acq: 09 Dec 2021 02:41

Tgt Ion: 96 Resp: 76781  
 Ion Ratio Lower Upper  
 96 100  
 61 155.9 118.6 220.2  
 63 88.5 93.0 172.8#





#13

Acetone

Concen: 50.570 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

Instrument :

MSVOA\_U

ClientSampleId :

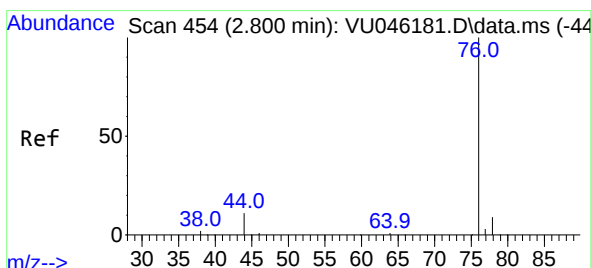
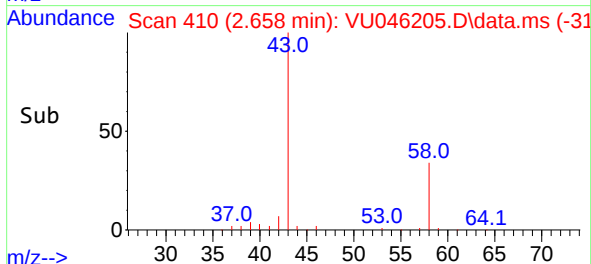
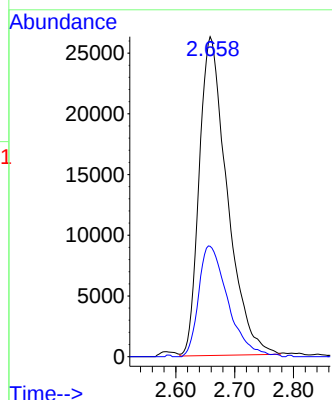
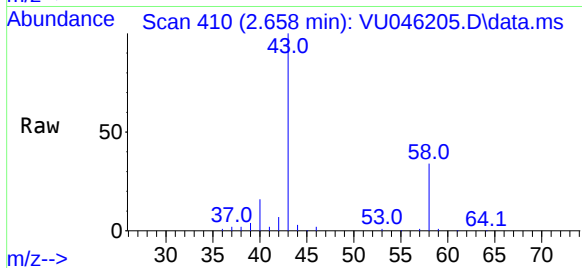
EW5N8MSD

Tgt Ion: 43 Resp: 86663

Ion Ratio Lower Upper

43 100

58 36.2 0.0 66.8



#14

Carbon disulfide

Concen: 42.973 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046205.D

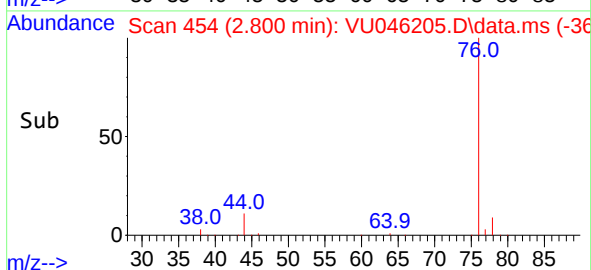
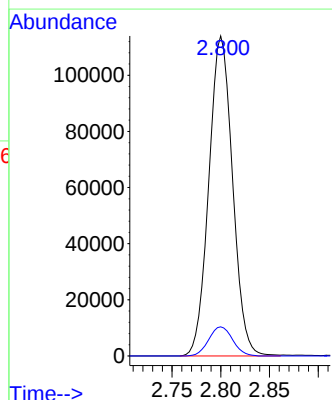
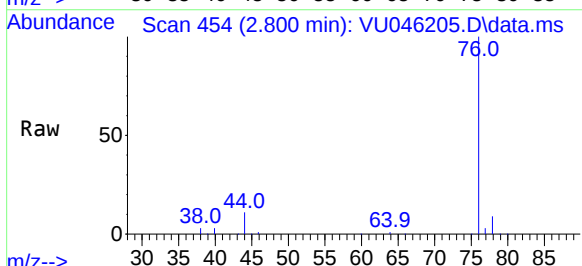
Acq: 09 Dec 2021 02:41

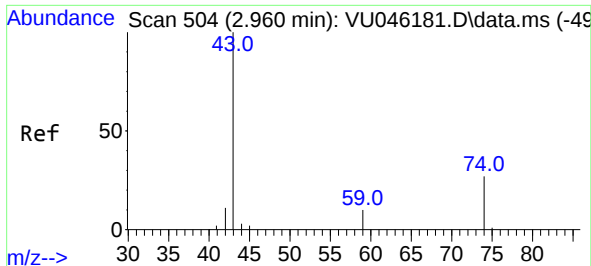
Tgt Ion: 76 Resp: 193038

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

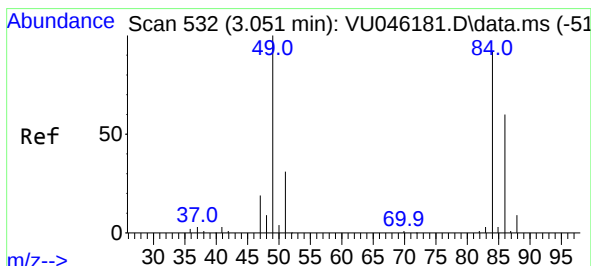
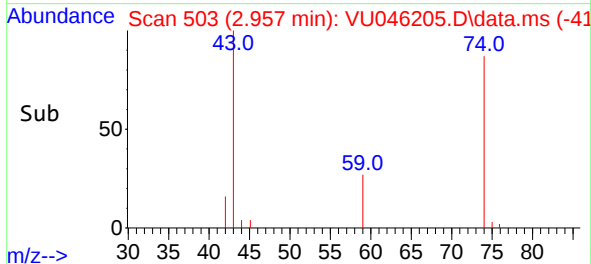
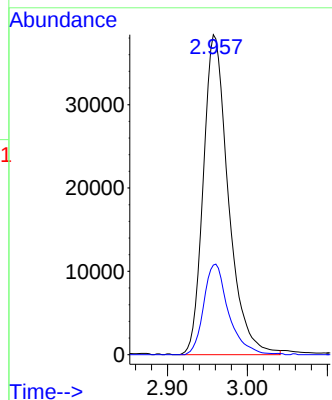
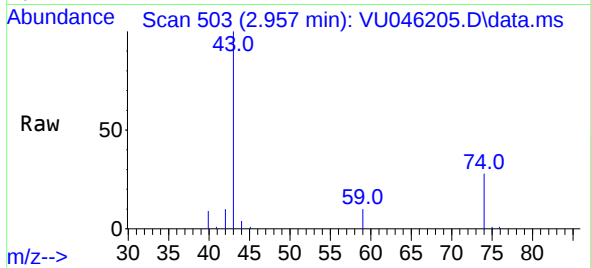




#15  
Methyl Acetate  
Concen: 41.937 ug/L  
RT: 2.957 min Scan# 503  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

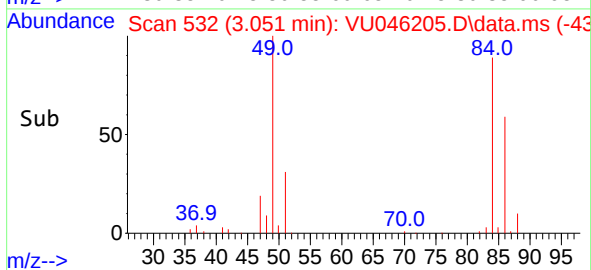
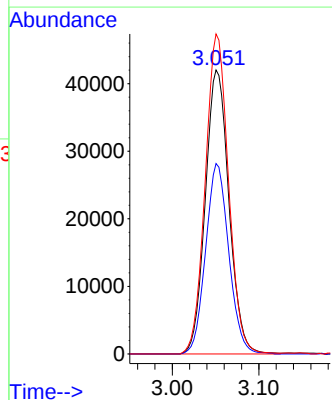
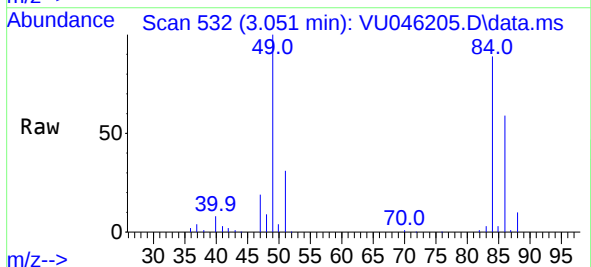
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

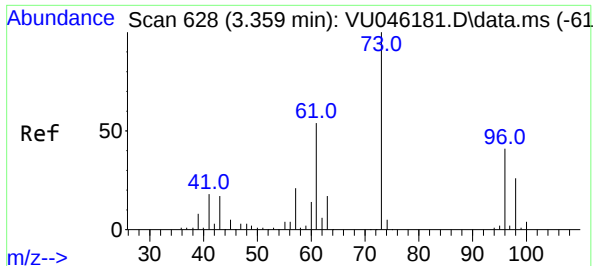
Tgt Ion: 43 Resp: 83781  
Ion Ratio Lower Upper  
43 100  
74 27.9 20.8 31.2



#16  
Methylene chloride  
Concen: 46.321 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 84 Resp: 79793  
Ion Ratio Lower Upper  
84 100  
86 67.0 44.7 83.1  
49 112.7 78.4 145.6

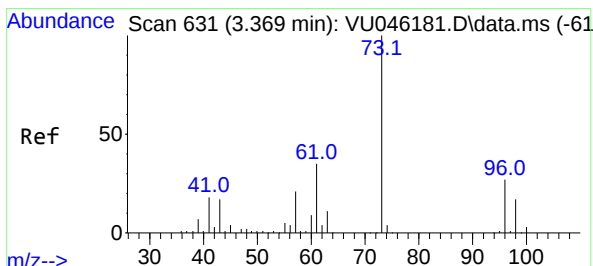
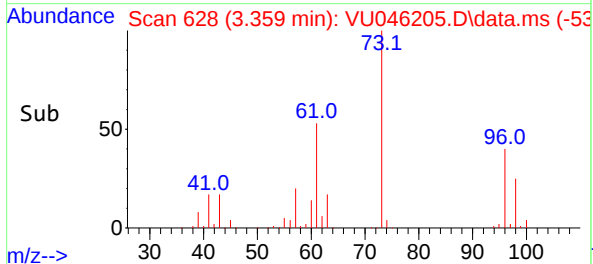
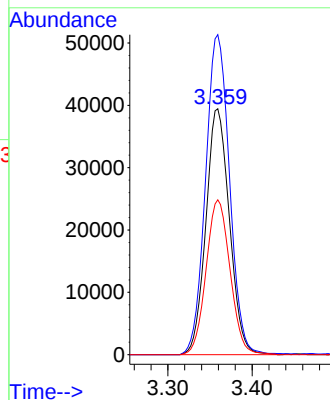
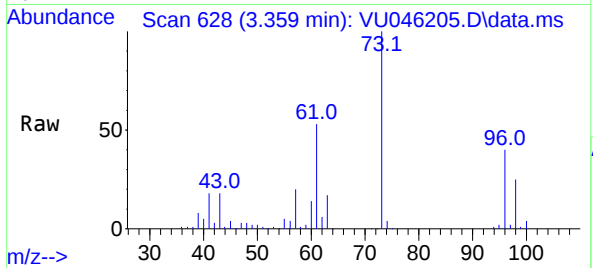




#17  
trans-1,2-Dichloroethene  
Concen: 50.068 ug/L  
RT: 3.359 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

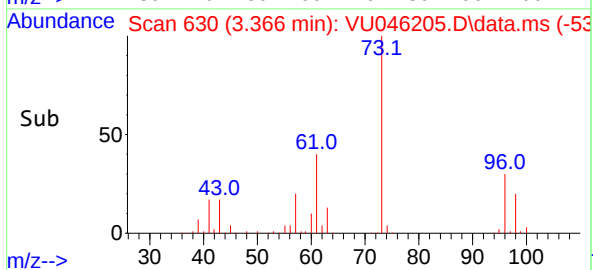
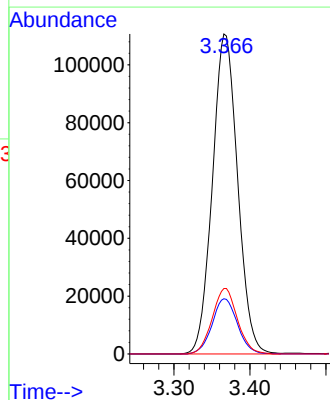
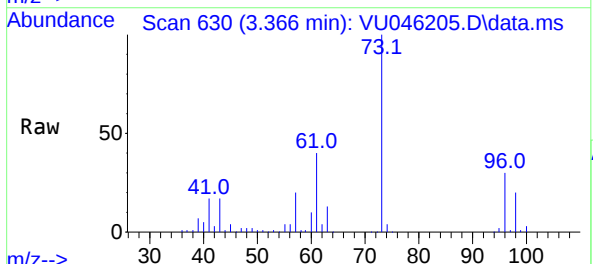
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

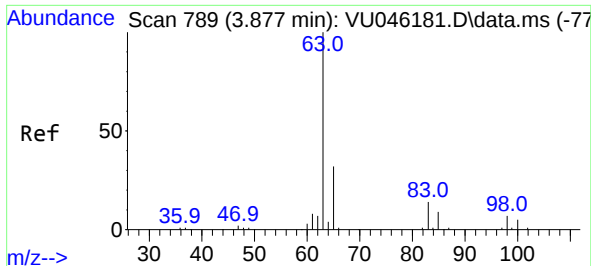
Tgt Ion: 96 Resp: 76715  
Ion Ratio Lower Upper  
96 100  
61 130.2 94.6 175.6  
98 63.0 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 53.983 ug/L  
RT: 3.366 min Scan# 630  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 73 Resp: 254912  
Ion Ratio Lower Upper  
73 100  
43 17.4 14.0 21.0  
57 20.4 17.0 25.4

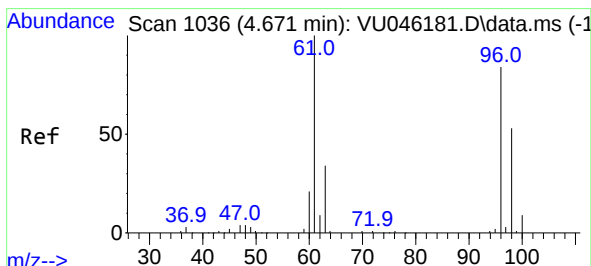
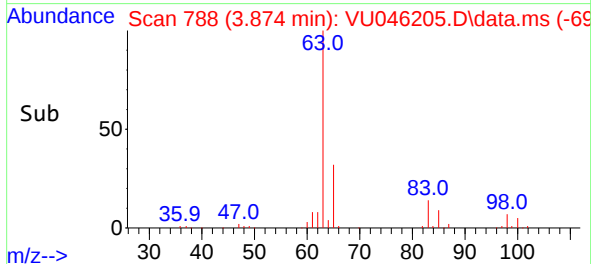
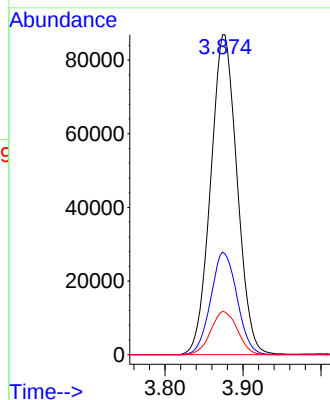
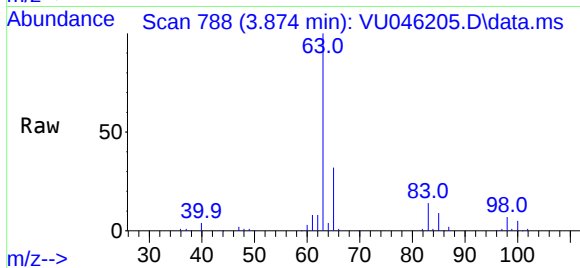




#19  
1,1-Dichloroethane  
Concen: 73.685 ug/L  
RT: 3.874 min Scan# 789  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

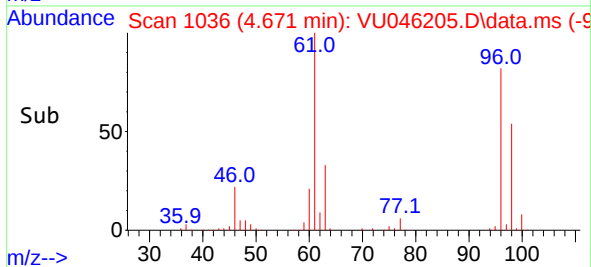
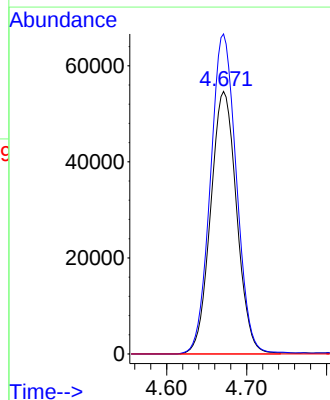
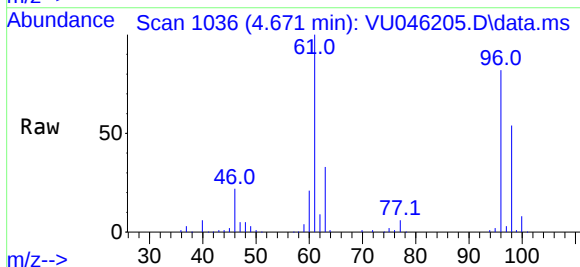
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

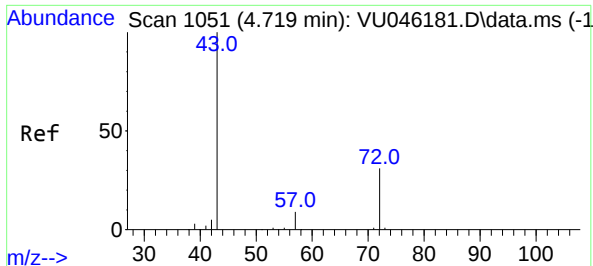
Tgt Ion: 63 Resp: 205281  
Ion Ratio Lower Upper  
63 100  
65 32.1 22.8 42.4  
83 13.5 9.6 17.8



#20  
cis-1,2-Dichloroethene  
Concen: 74.287 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 96 Resp: 123506  
Ion Ratio Lower Upper  
96 100  
61 121.9 86.8 161.2  
68 0.0 0.0 0.0

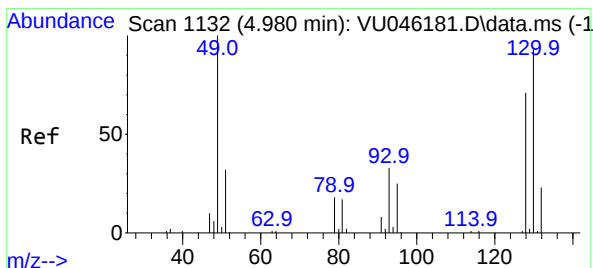
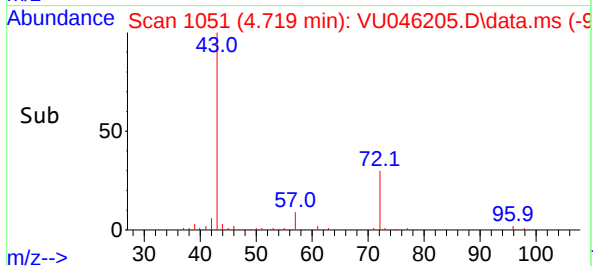
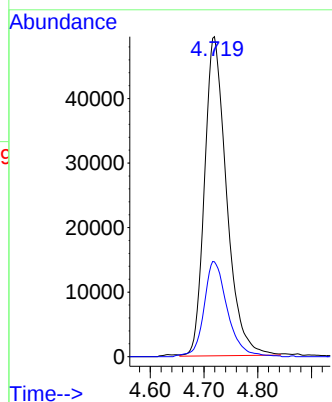
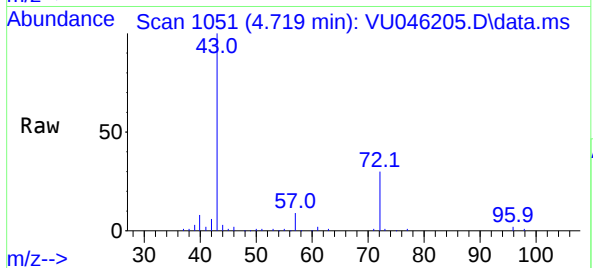




#22  
2-Butanone  
Concen: 75.479 ug/L  
RT: 4.719 min Scan# 1051  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

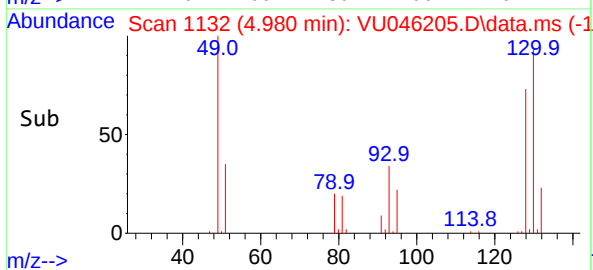
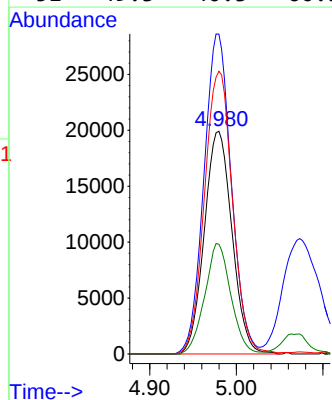
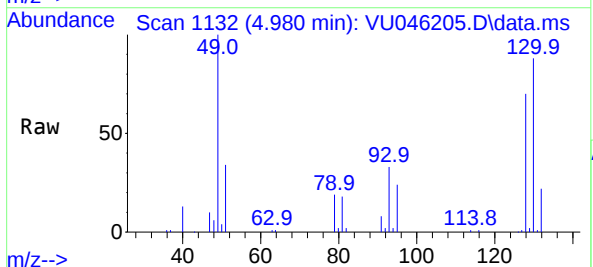
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

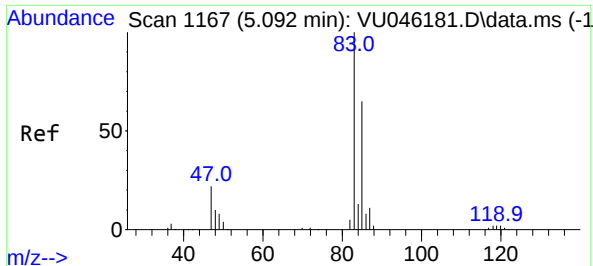
Tgt Ion: 43 Resp: 140810  
Ion Ratio Lower Upper  
43 100  
72 31.7 14.5 43.6



#23  
Bromochloromethane  
Concen: 52.689 ug/L  
RT: 4.980 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion:128 Resp: 44242  
Ion Ratio Lower Upper  
128 100  
49 143.6 115.9 215.3  
130 126.9 91.8 170.4  
51 49.3 40.3 60.5





#25

Chloroform

Concen: 48.541 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

Instrument :

MSVOA\_U

ClientSampleId :

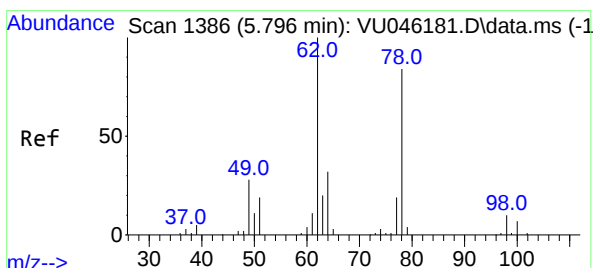
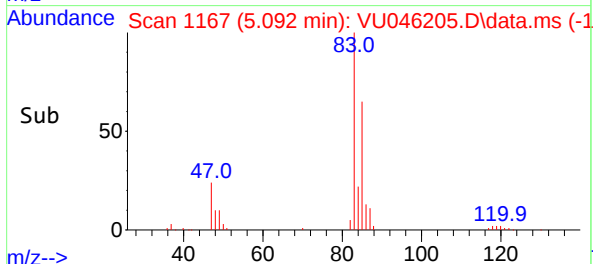
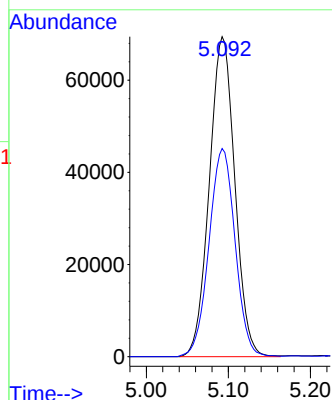
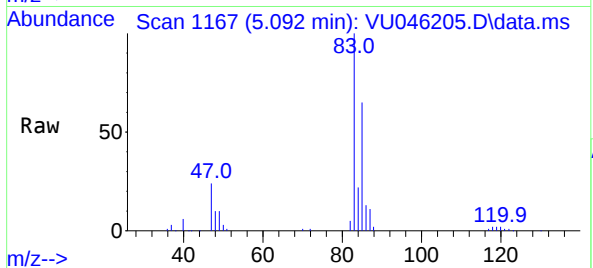
EW5N8MSD

Tgt Ion: 83 Resp: 150252

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 48.017 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046205.D

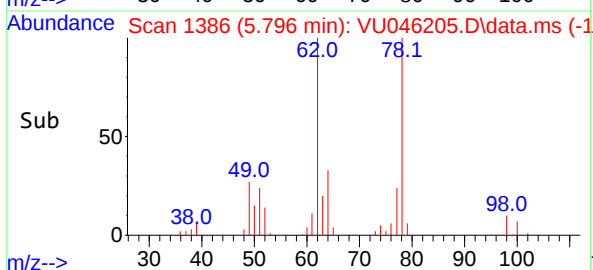
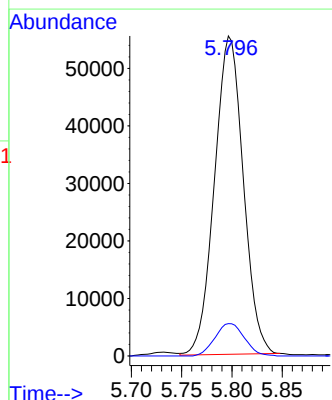
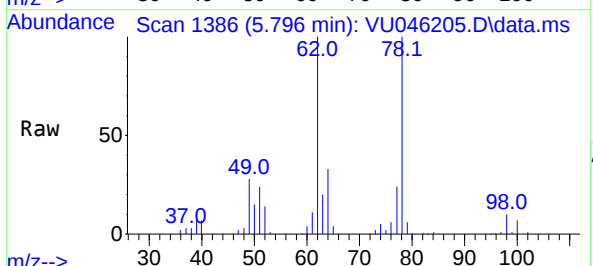
Acq: 09 Dec 2021 02:41

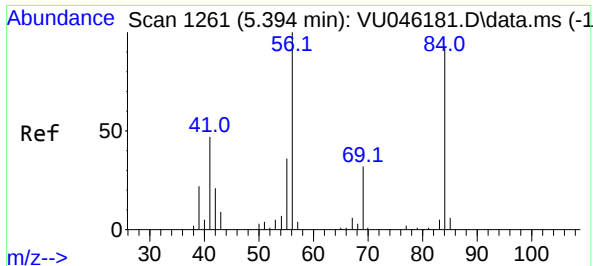
Tgt Ion: 62 Resp: 110292

Ion Ratio Lower Upper

62 100

98 10.1 7.9 11.9





#29

Cyclohexane

Concen: 50.711 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

Instrument :

MSVOA\_U

ClientSampleId :

EW5N8MSD

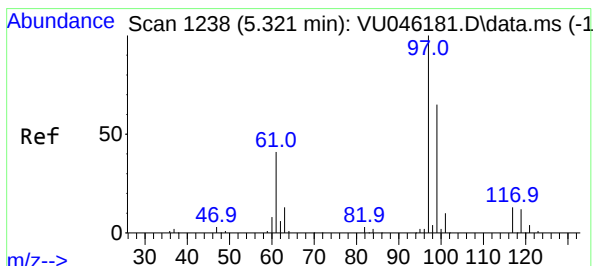
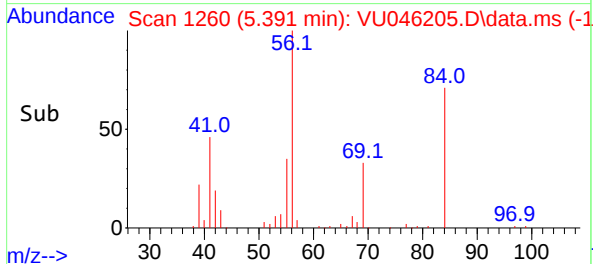
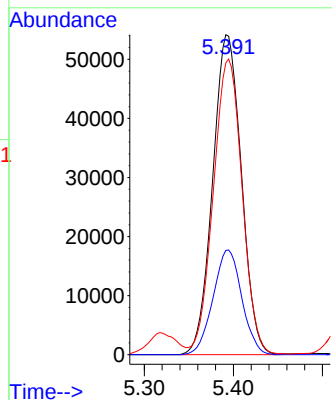
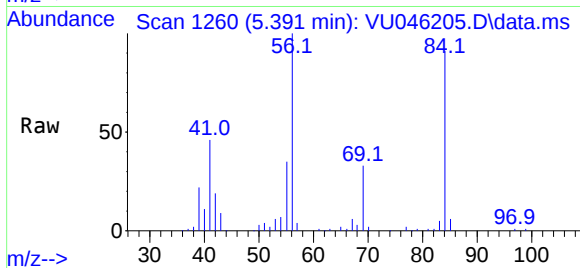
Tgt Ion: 56 Resp: 121320

Ion Ratio Lower Upper

56 100

69 32.8 25.2 37.8

84 92.9 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 191.734 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

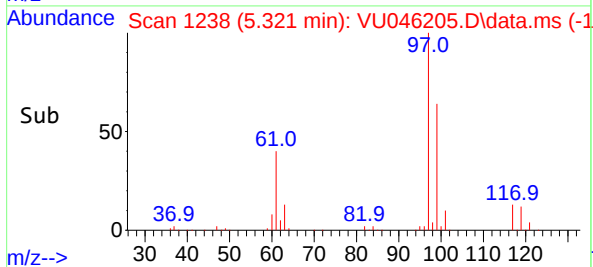
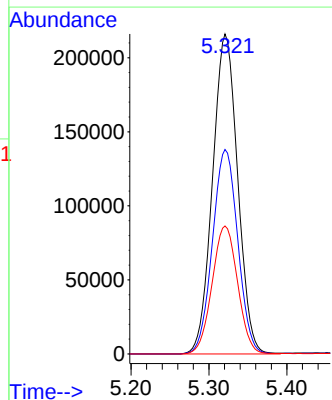
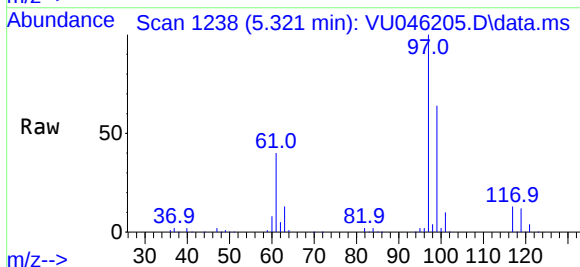
Tgt Ion: 97 Resp: 483545

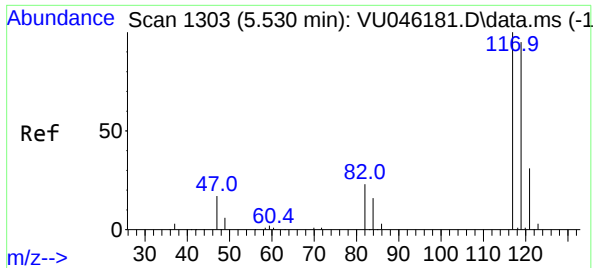
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 40.7 34.4 51.6

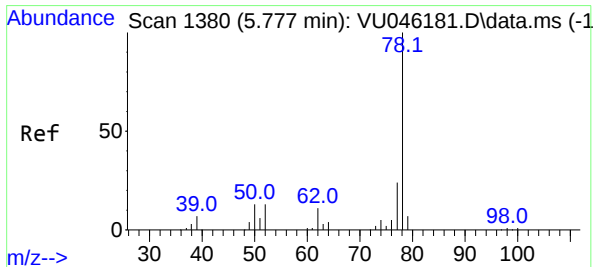
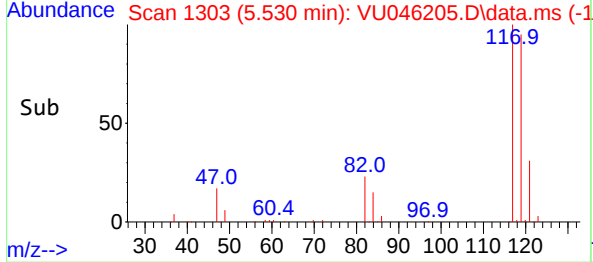
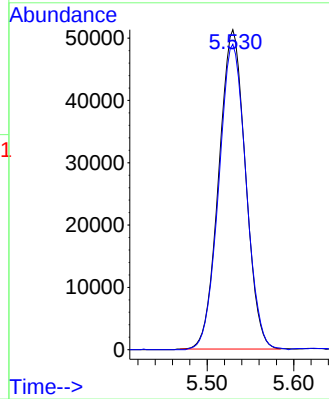
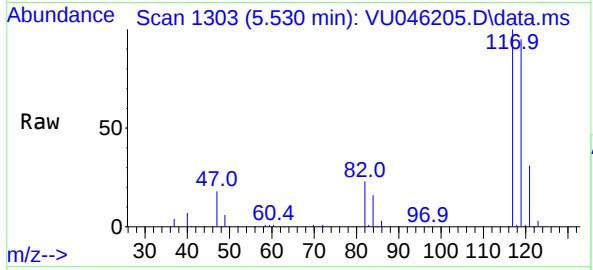




#31  
Carbon tetrachloride  
Concen: 51.136 ug/L  
RT: 5.530 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

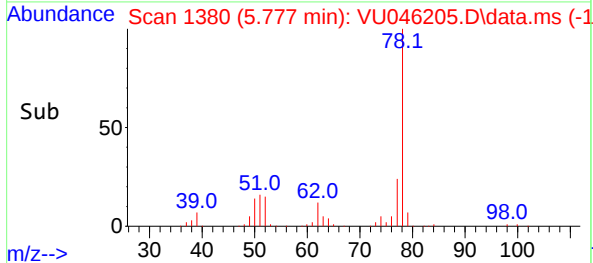
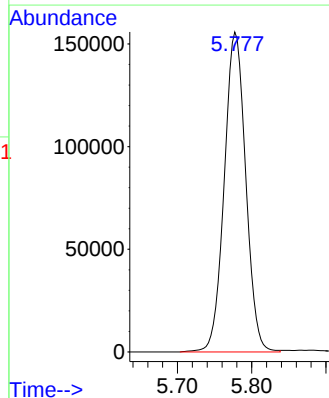
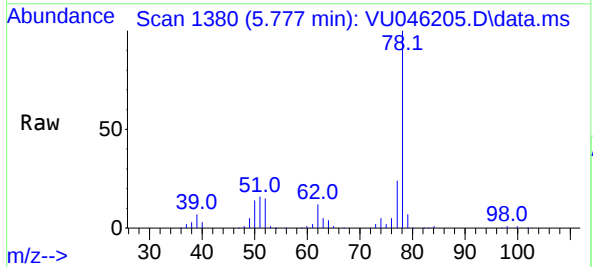
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

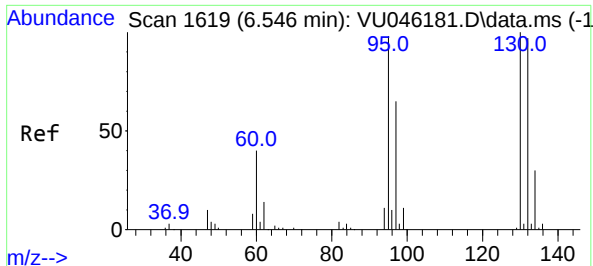
Tgt Ion:117 Resp: 109484  
Ion Ratio Lower Upper  
117 100  
119 97.8 75.7 113.5



#33  
Benzene  
Concen: 50.362 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 78 Resp: 313167



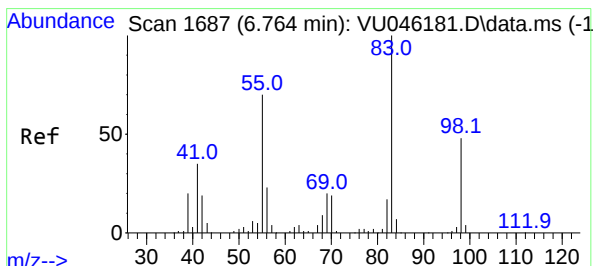
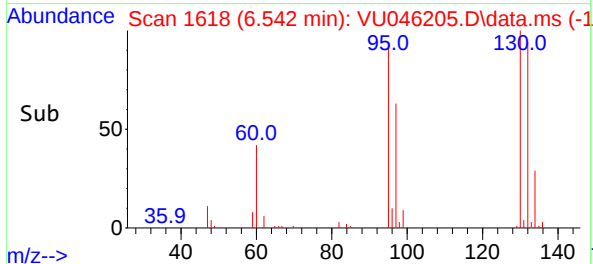
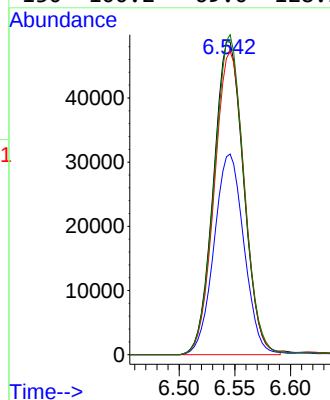
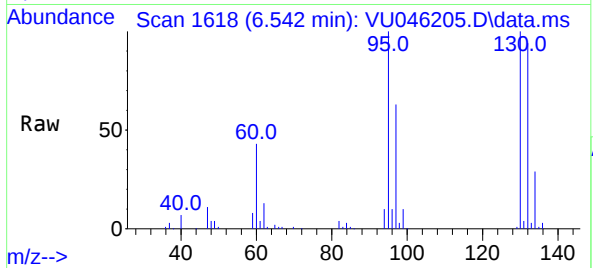


#34  
Trichloroethene  
Concen: 56.123 ug/L  
RT: 6.542 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

Tgt Ion: 95 Resp: 91939

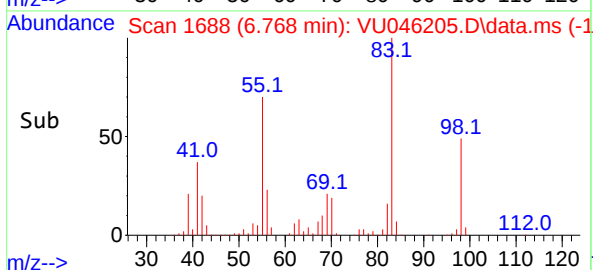
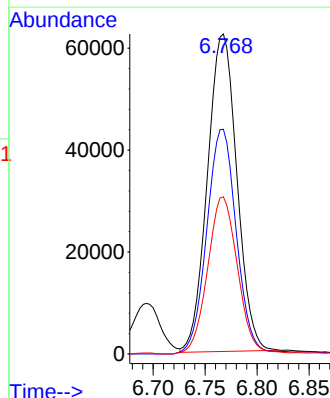
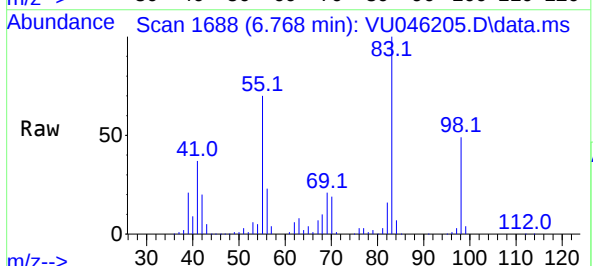
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.3  | 44.1  | 81.9  |
| 132 | 94.7  | 66.8  | 124.0 |
| 130 | 100.2 | 69.0  | 128.1 |

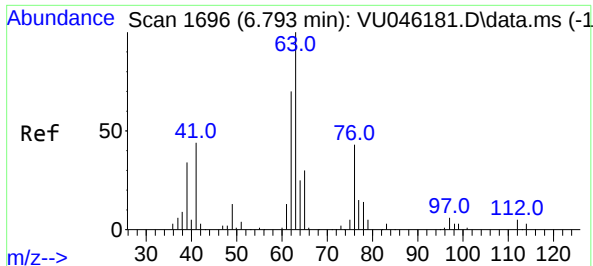


#35  
Methylcyclohexane  
Concen: 48.440 ug/L  
RT: 6.768 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 83 Resp: 123039

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 71.3  | 57.8  | 86.6  |
| 98  | 50.3  | 38.4  | 57.6  |

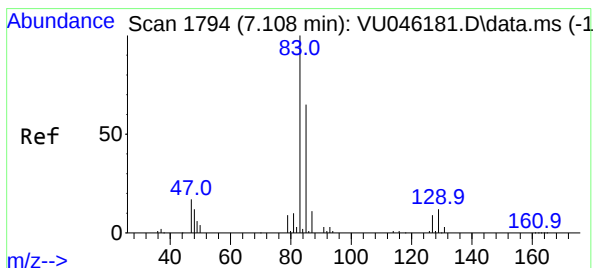
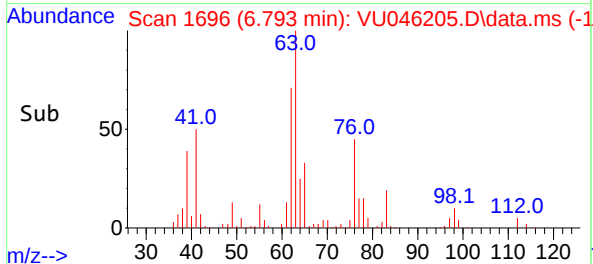
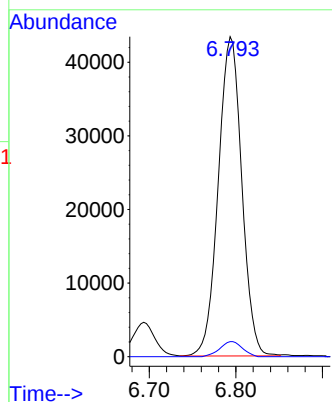
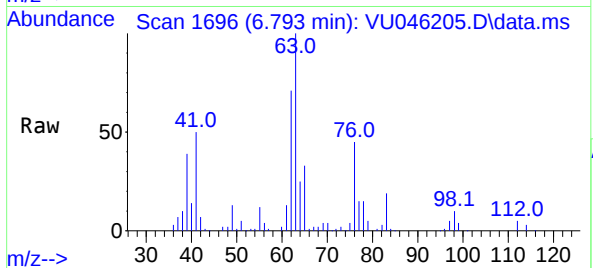




#37  
1,2-Dichloropropane  
Concen: 50.138 ug/L  
RT: 6.793 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

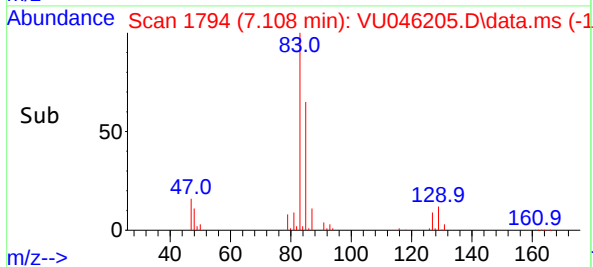
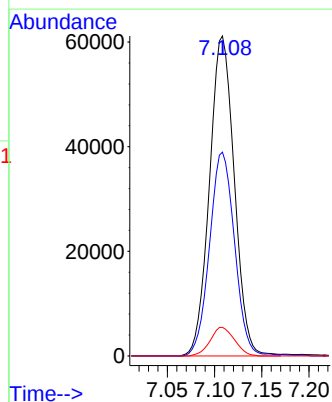
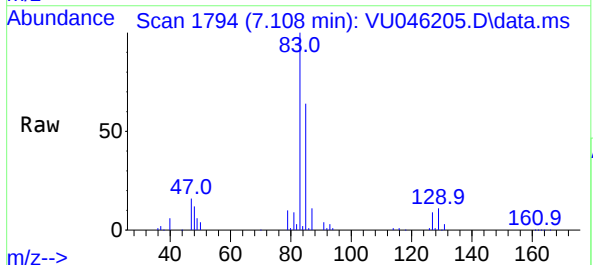
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

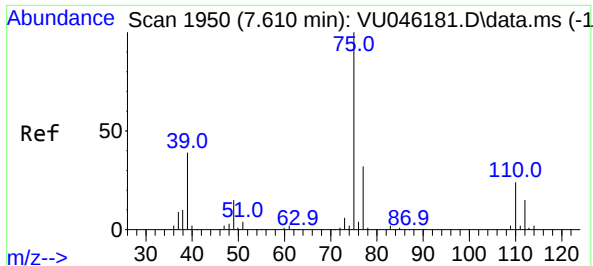
Tgt Ion: 63 Resp: 81671  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.8 5.6



#38  
Bromodichloromethane  
Concen: 51.628 ug/L  
RT: 7.108 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 83 Resp: 111781  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.4 82.5  
127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 53.820 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

Instrument :

MSVOA\_U

ClientSampleId :

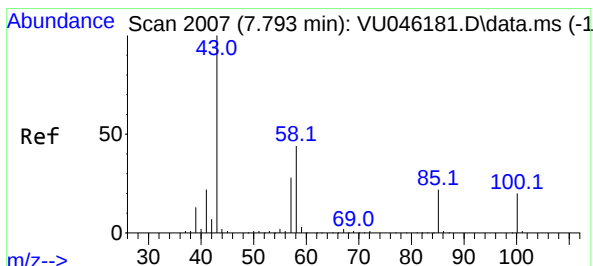
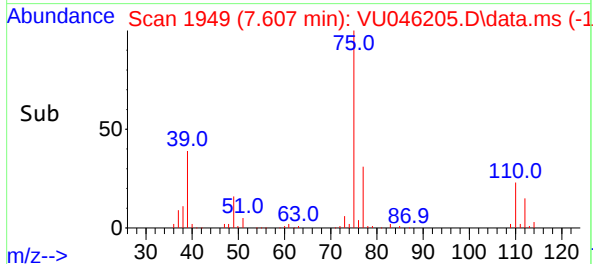
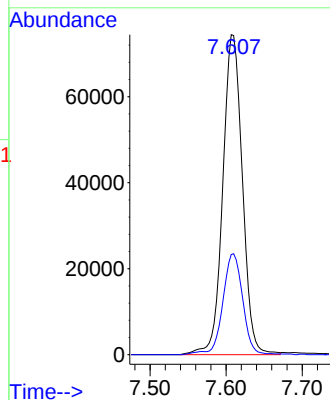
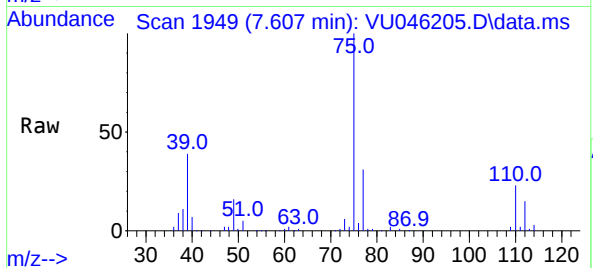
EW5N8MSD

Tgt Ion: 75 Resp: 133370

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 104.993 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

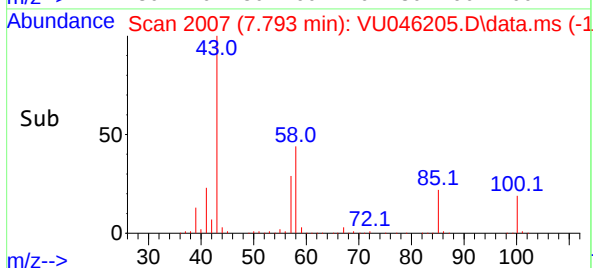
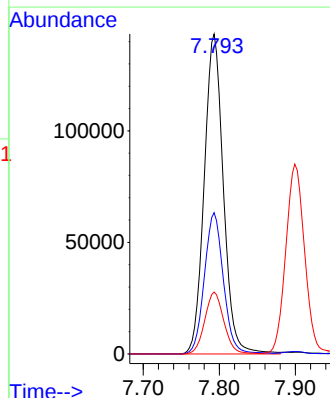
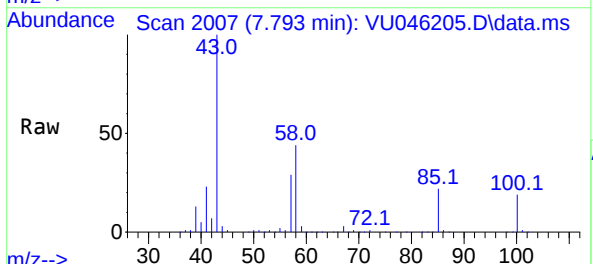
Tgt Ion: 43 Resp: 251278

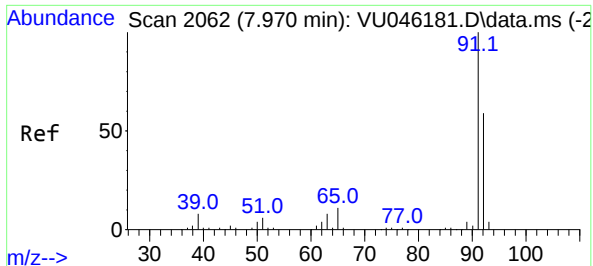
Ion Ratio Lower Upper

43 100

58 44.0 34.2 51.4

100 19.3 14.5 21.7





#42

Toluene

Concen: 52.031 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

Instrument :

MSVOA\_U

ClientSampleId :

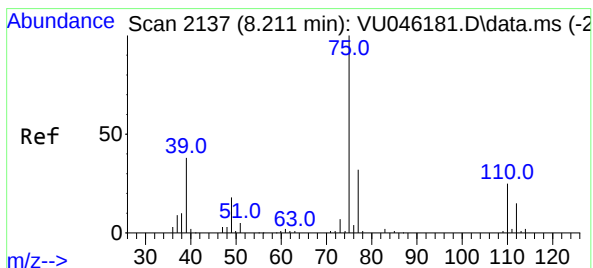
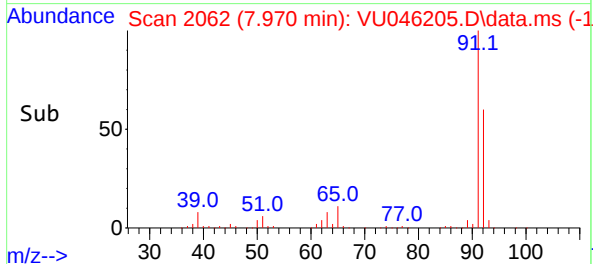
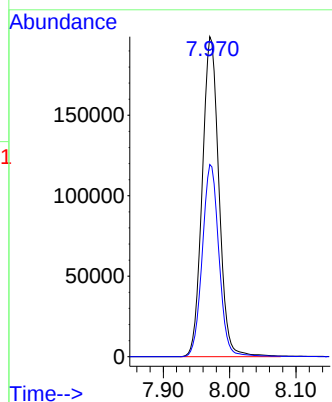
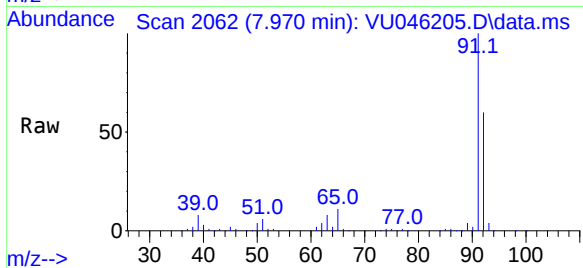
EW5N8MSD

Tgt Ion: 91 Resp: 347173

Ion Ratio Lower Upper

91 100

92 60.0 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 52.188 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046205.D

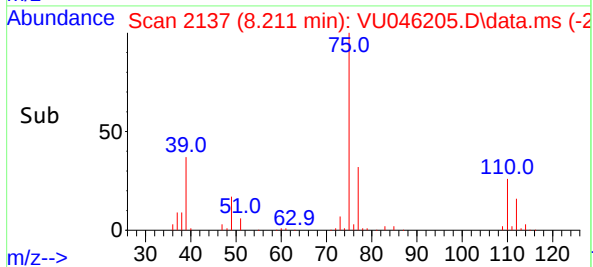
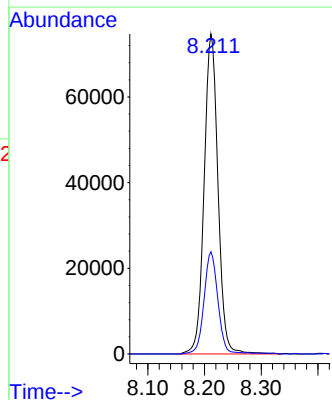
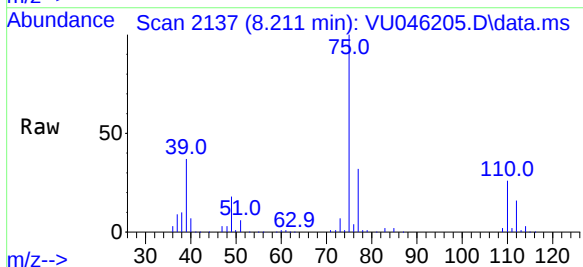
Acq: 09 Dec 2021 02:41

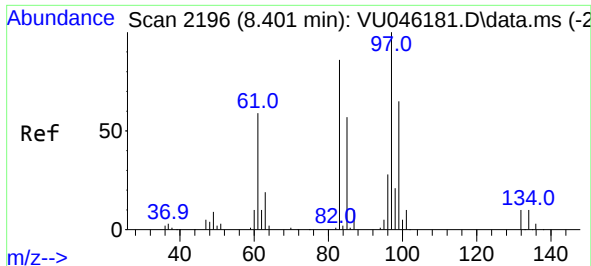
Tgt Ion: 75 Resp: 127020

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



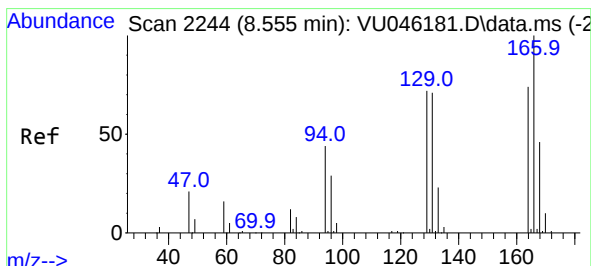
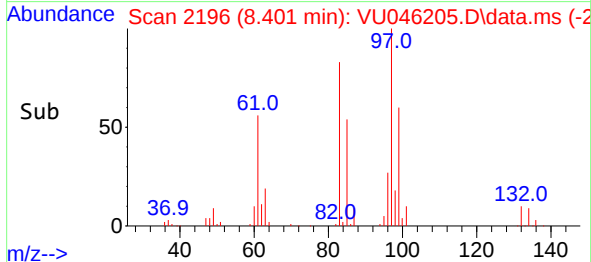
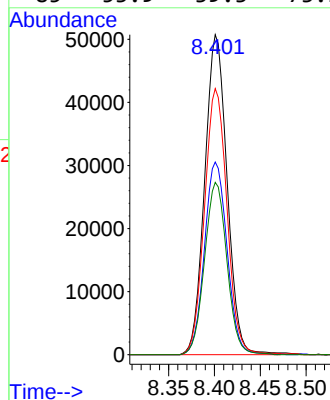
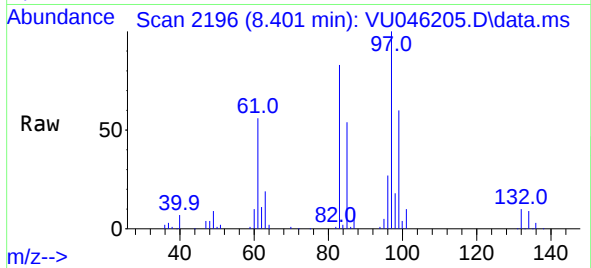


#45  
1,1,2-Trichloroethane  
Concen: 52.748 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

Tgt Ion: 97 Resp: 86203

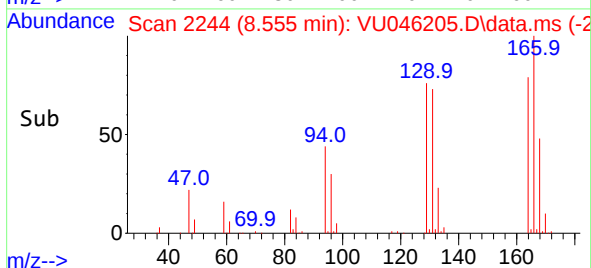
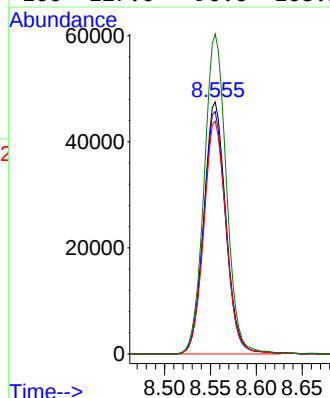
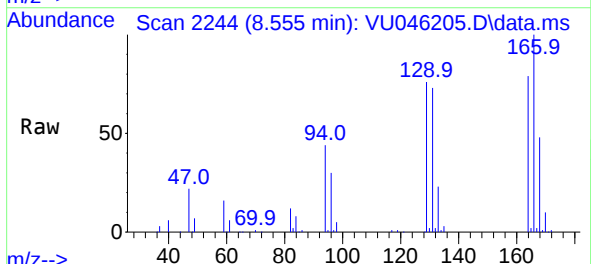
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.2  | 44.7  | 82.9  |
| 83  | 83.2  | 60.2  | 111.8 |
| 85  | 53.9  | 39.3  | 73.1  |

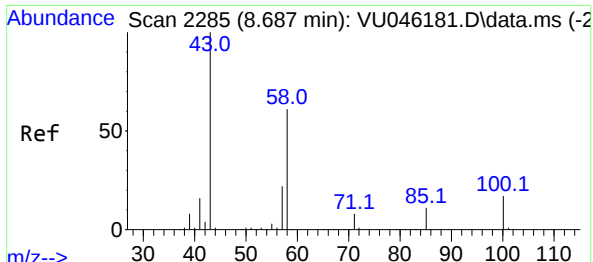


#46  
Tetrachloroethene  
Concen: 66.296 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 164 Resp: 79810

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 96.2  | 71.1  | 132.1 |
| 131 | 92.4  | 67.8  | 126.0 |
| 166 | 127.0 | 90.6  | 168.2 |

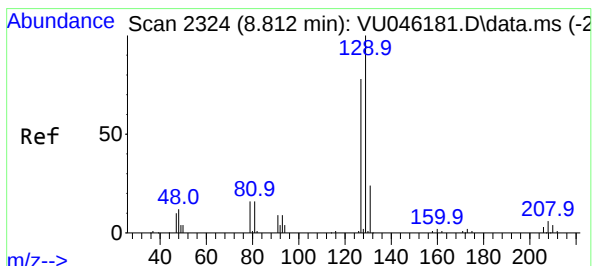
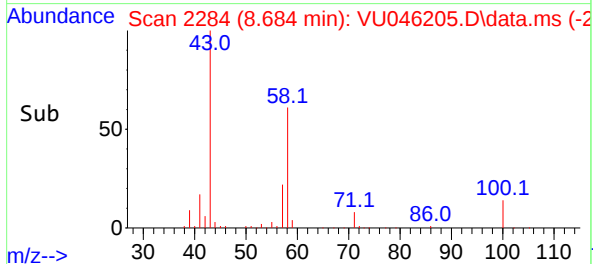
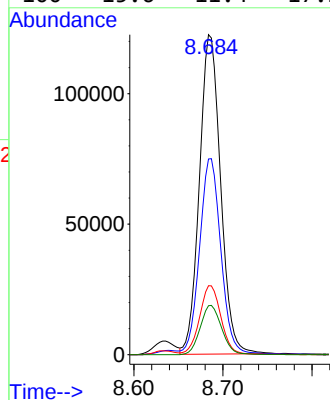
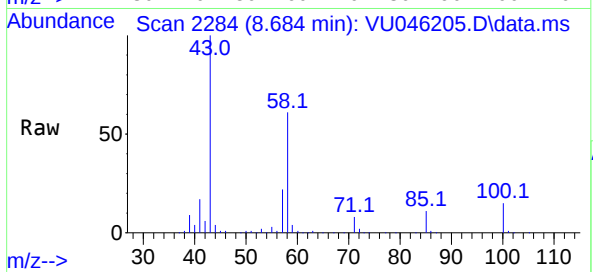




#48  
2-Hexanone  
Concen: 94.660 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

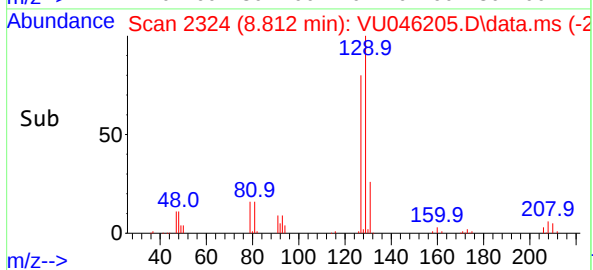
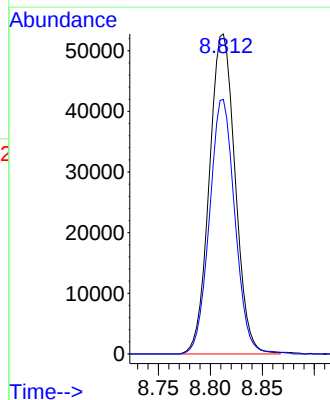
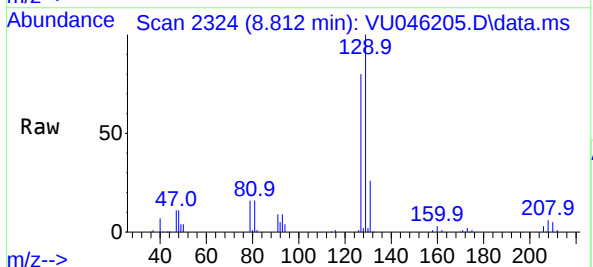
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

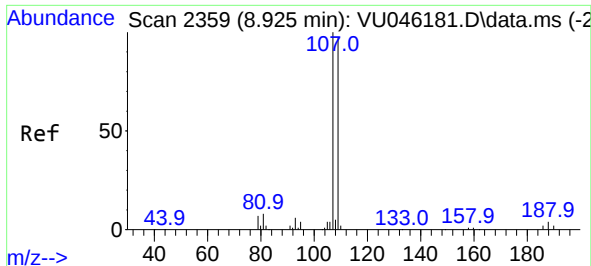
Tgt Ion: 43 Resp: 202609  
Ion Ratio Lower Upper  
43 100  
58 61.7 47.4 71.2  
57 21.6 16.6 25.0  
100 15.6 11.4 17.2



#49  
Dibromochloromethane  
Concen: 53.227 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 129 Resp: 91345  
Ion Ratio Lower Upper  
129 100  
127 79.6 55.6 103.4





#50

1,2-Dibromoethane

Concen: 52.469 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

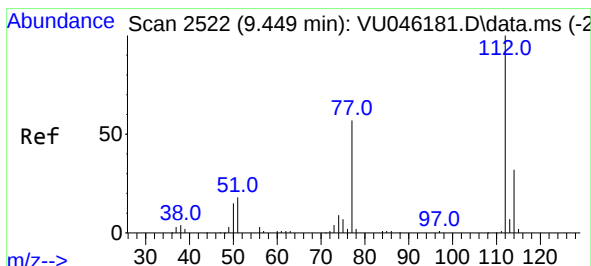
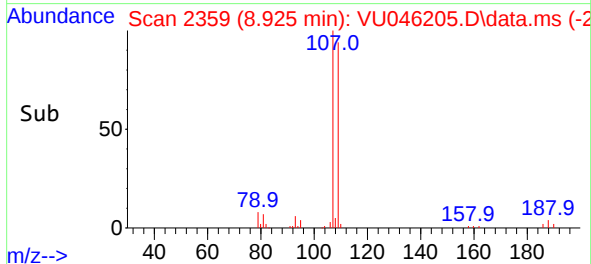
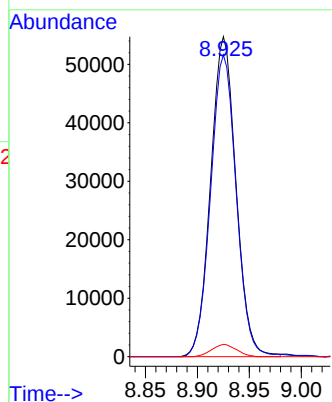
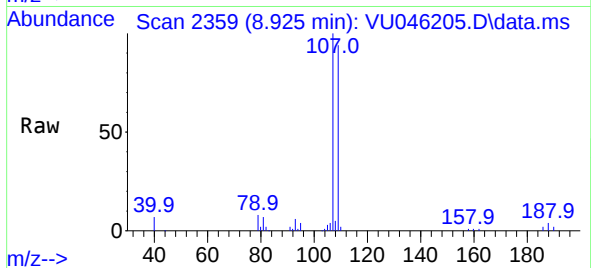
Instrument :

MSVOA\_U

ClientSampleId :

EW5N8MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 92965 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 94.3  | 64.9  | 120.5 |
| 188      | 3.9   | 2.6   | 3.8#  |



#51

Chlorobenzene

Concen: 52.159 ug/L

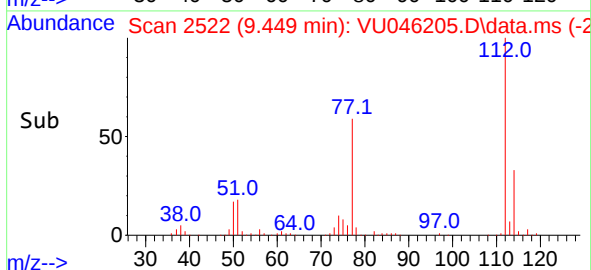
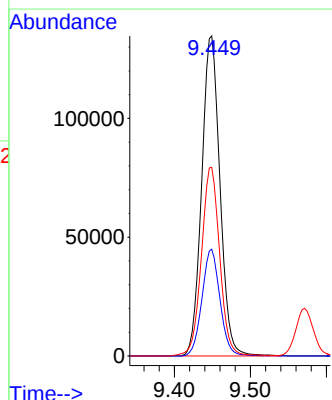
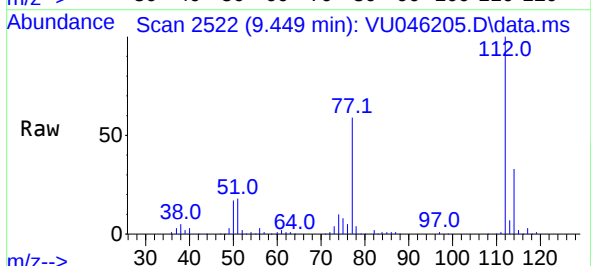
RT: 9.449 min Scan# 2522

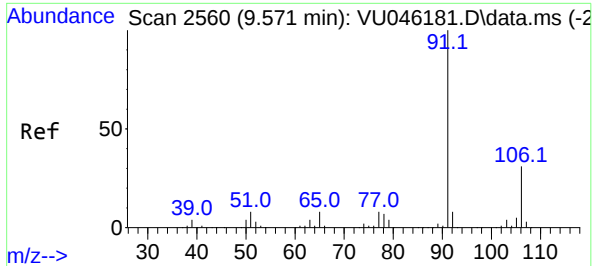
Delta R.T. -0.000 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 225155 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 33.4  | 22.2  | 41.2   |
| 77       | 59.0  | 47.4  | 71.0   |

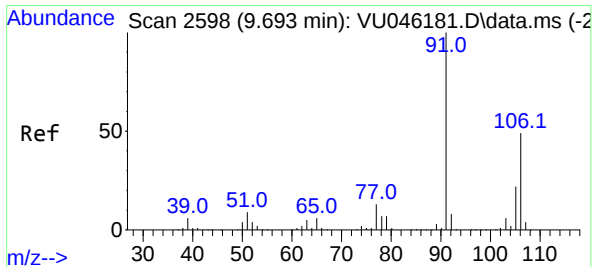
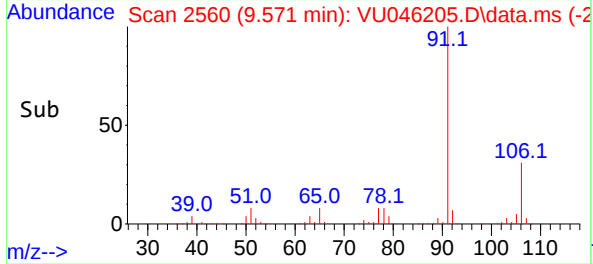
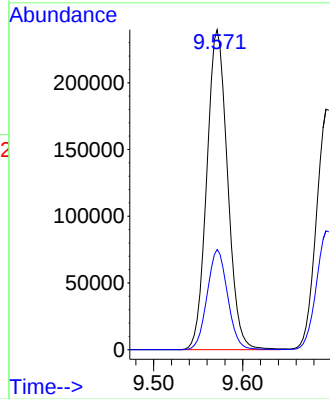
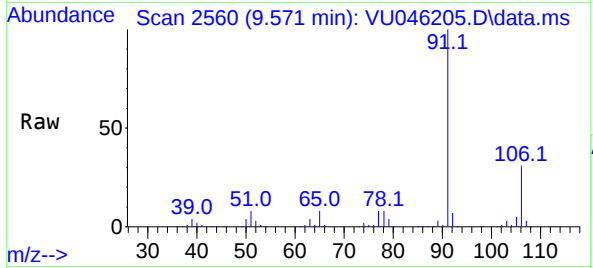




#52  
Ethylbenzene  
Concen: 53.976 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

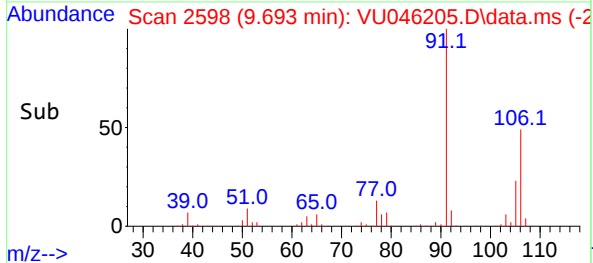
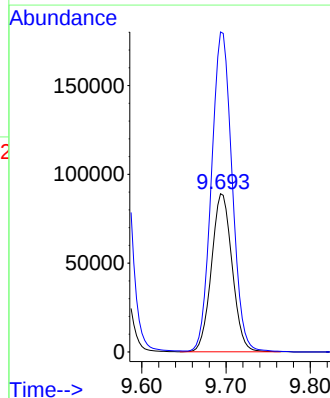
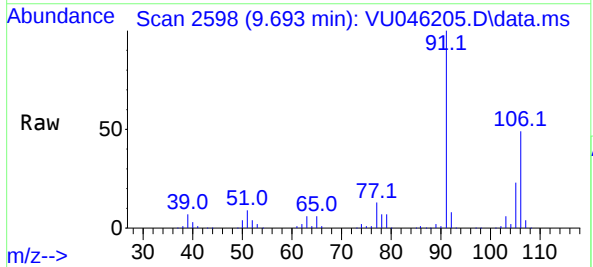
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

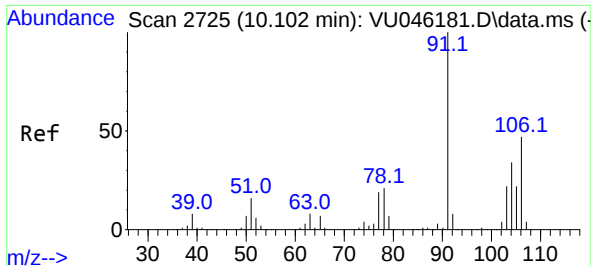
Tgt Ion: 91 Resp: 387595  
Ion Ratio Lower Upper  
91 100  
106 31.3 21.1 39.3



#53  
m,p-Xylene  
Concen: 54.032 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 106 Resp: 151316  
Ion Ratio Lower Upper  
106 100  
91 202.3 144.3 268.1

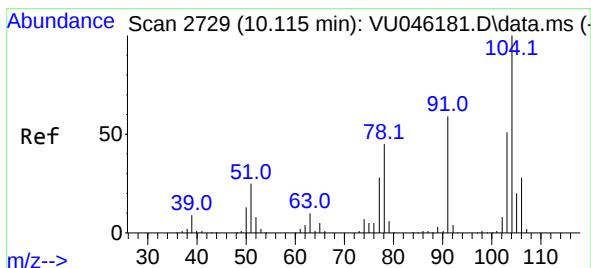
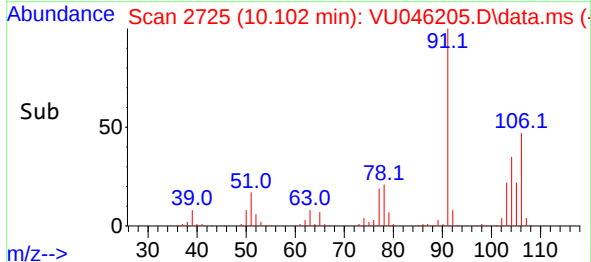
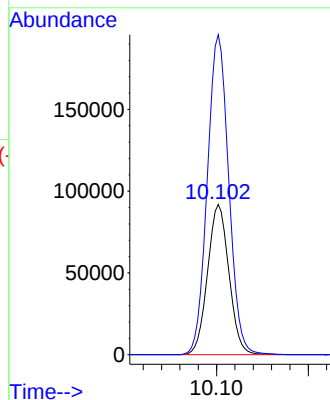
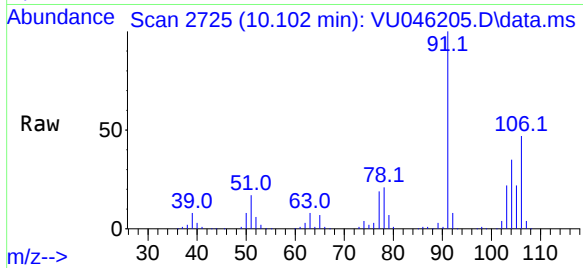




#54  
o-xylene  
Concen: 54.786 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

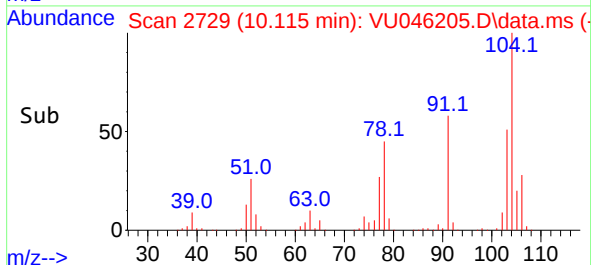
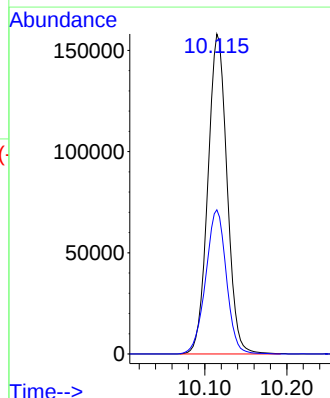
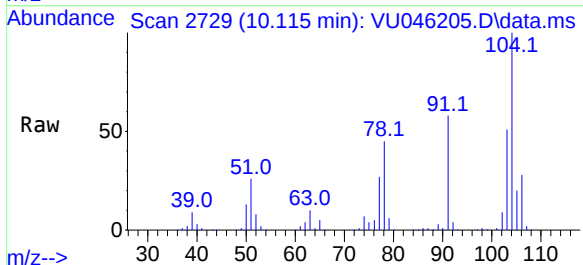
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

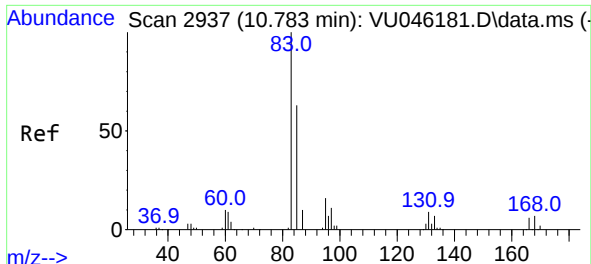
Tgt Ion:106 Resp: 148873  
Ion Ratio Lower Upper  
106 100  
91 212.9 154.2 286.4



#55  
Styrene  
Concen: 55.326 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion:104 Resp: 256678  
Ion Ratio Lower Upper  
104 100  
78 45.0 32.6 60.5





#57

1,1,2-Tetrachloroethane

Concen: 51.582 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

Instrument :

MSVOA\_U

ClientSampleId :

EW5N8MSD

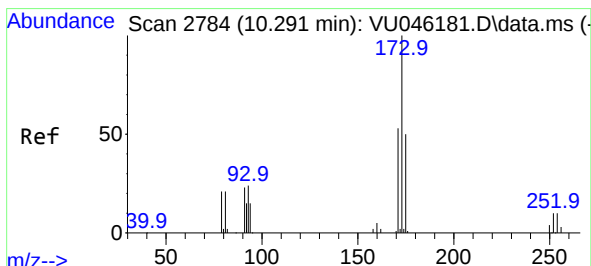
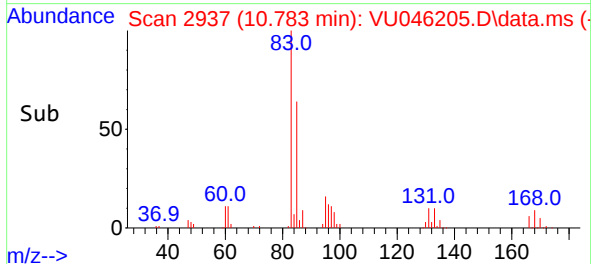
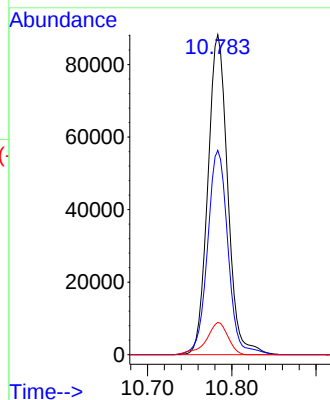
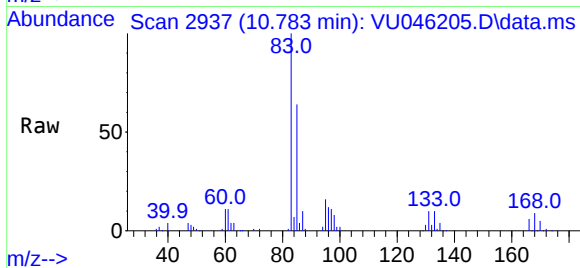
Tgt Ion: 83 Resp: 144523

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.6

131 10.1 7.8 11.6



#59

Bromoform

Concen: 51.658 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

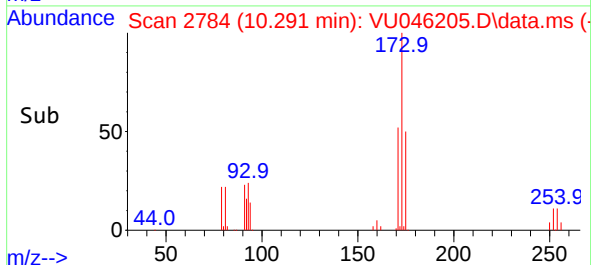
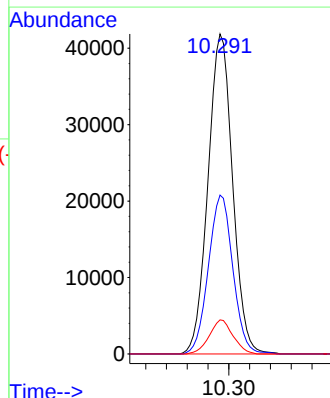
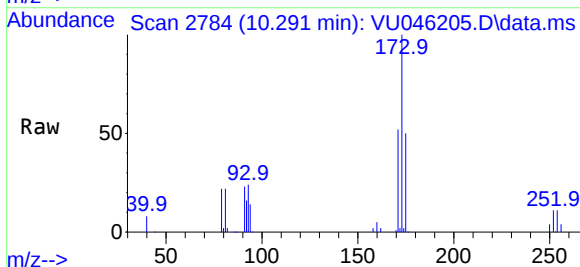
Tgt Ion:173 Resp: 68765

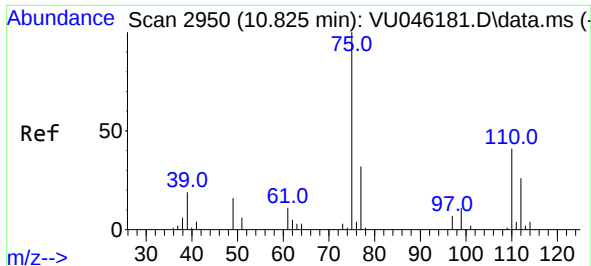
Ion Ratio Lower Upper

173 100

175 49.4 39.2 58.8

254 10.3 7.4 11.2



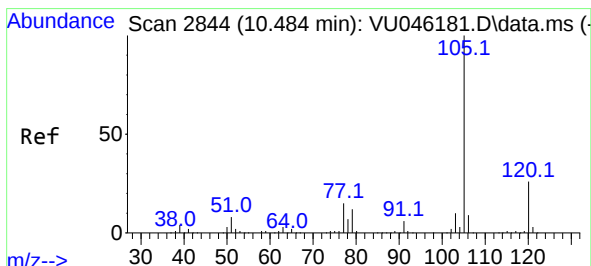
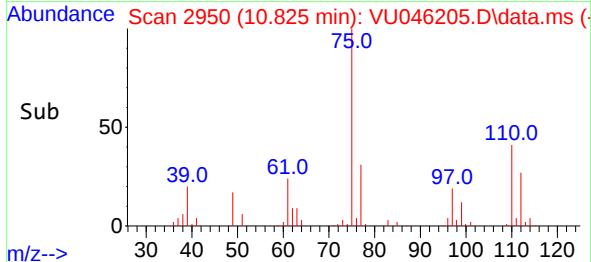
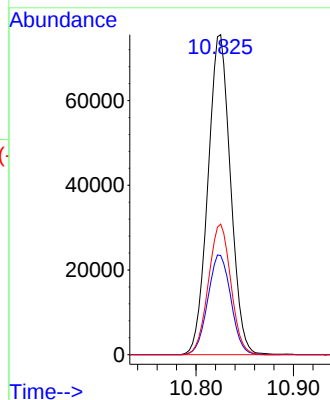
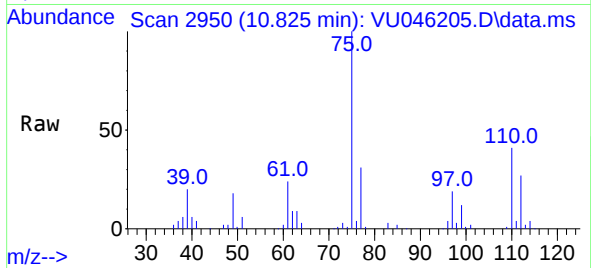


#60  
1,2,3-Trichloropropane  
Concen: 48.795 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

Tgt Ion: 75 Resp: 121374

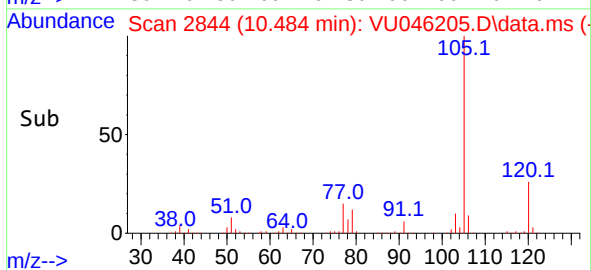
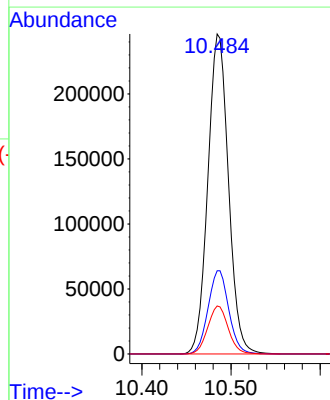
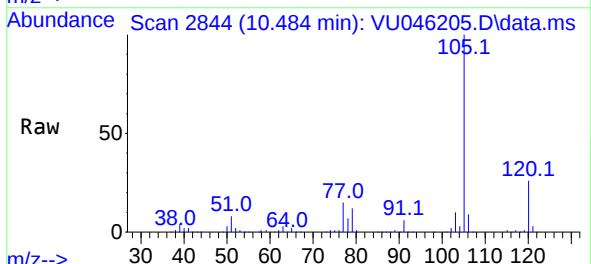
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.9  | 26.4  | 39.6  |
| 110 | 40.6  | 32.4  | 48.6  |

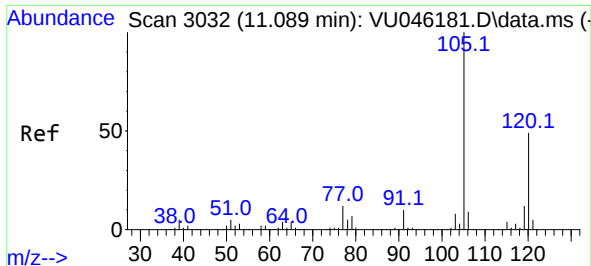


#61  
Isopropylbenzene  
Concen: 53.414 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion: 105 Resp: 394354

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 26.2  | 20.7  | 31.1  |
| 77  | 14.9  | 12.2  | 18.4  |

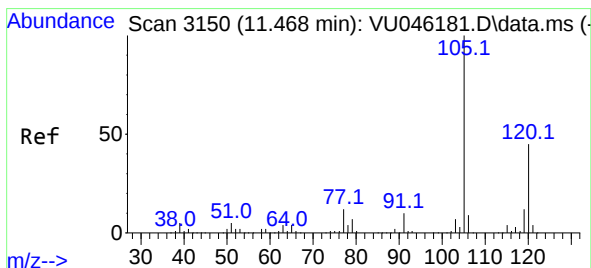
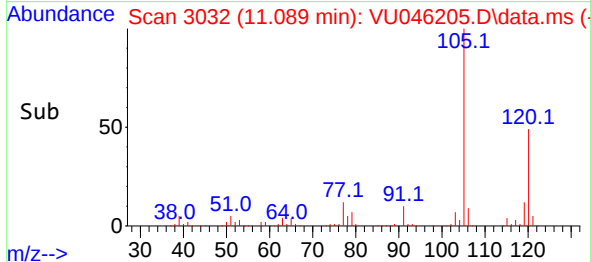
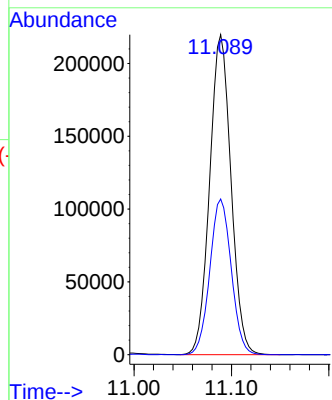
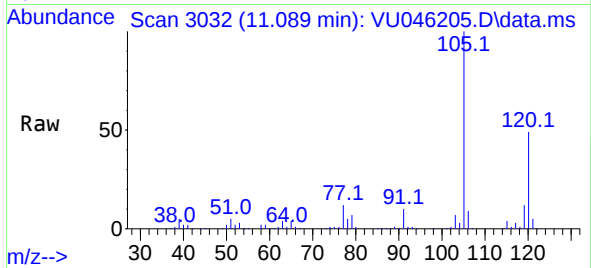




#62  
1,3,5-Trimethylbenzene  
Concen: 54.353 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

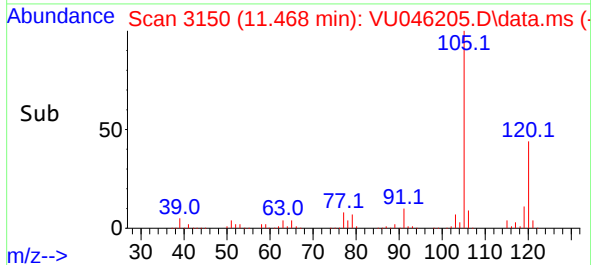
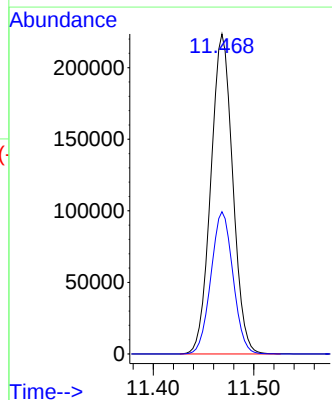
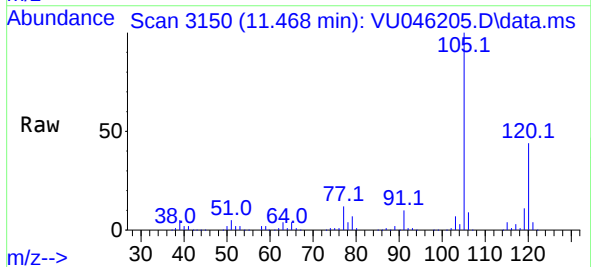
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

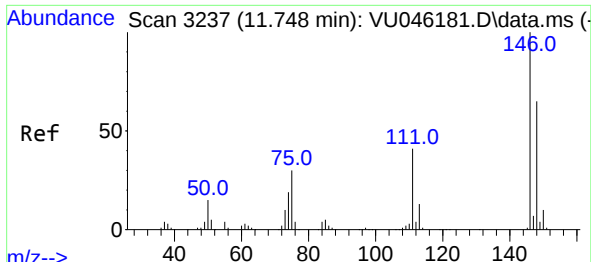
Tgt Ion:105 Resp: 334477  
Ion Ratio Lower Upper  
105 100  
120 48.8 37.8 56.6



#63  
1,2,4-Trimethylbenzene  
Concen: 54.884 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion:105 Resp: 337909  
Ion Ratio Lower Upper  
105 100  
120 44.8 35.2 52.8

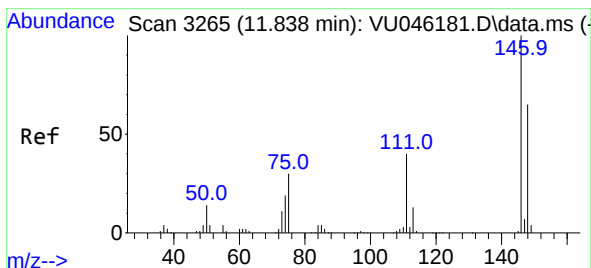
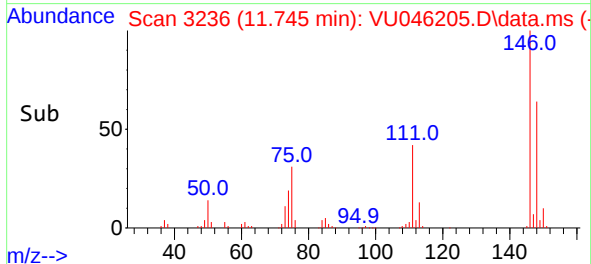
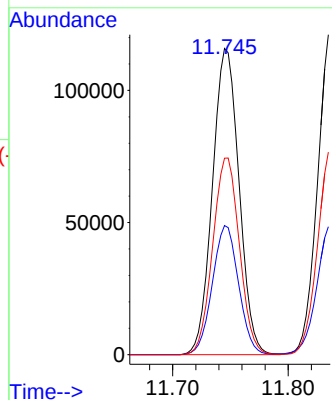
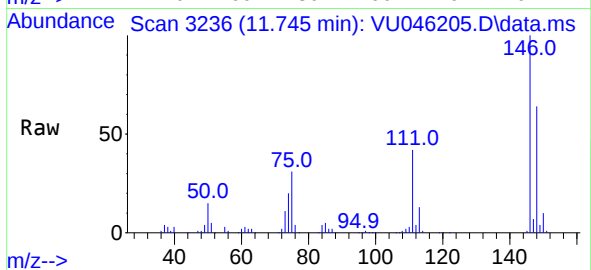




#64  
1,3-Dichlorobenzene  
Concen: 52.870 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

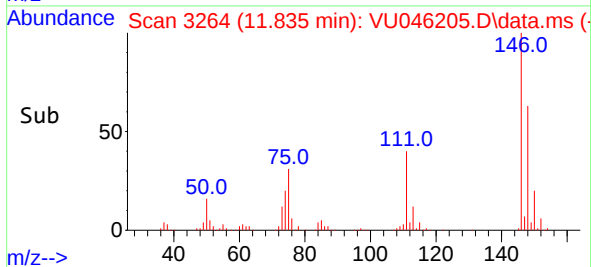
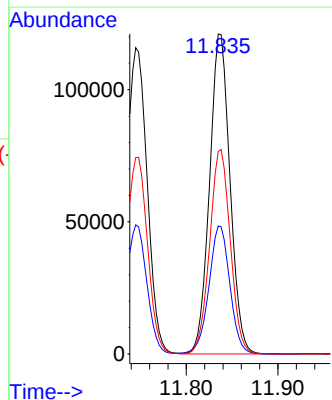
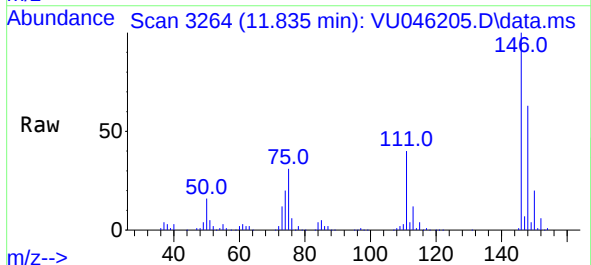
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

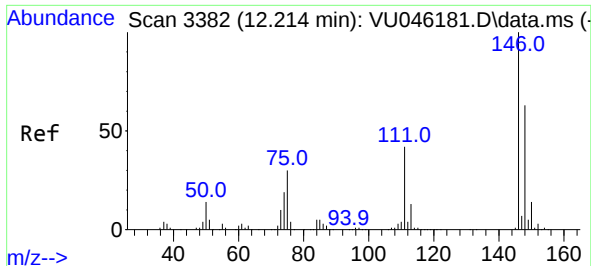
Tgt Ion:146 Resp: 185414  
Ion Ratio Lower Upper  
146 100  
111 42.2 29.5 54.9  
148 64.2 45.9 85.3



#65  
1,4-Dichlorobenzene  
Concen: 51.745 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion:146 Resp: 187547  
Ion Ratio Lower Upper  
146 100  
111 40.0 28.3 52.7  
148 63.3 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 52.172 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

Instrument :

MSVOA\_U

ClientSampleId :

EW5N8MSD

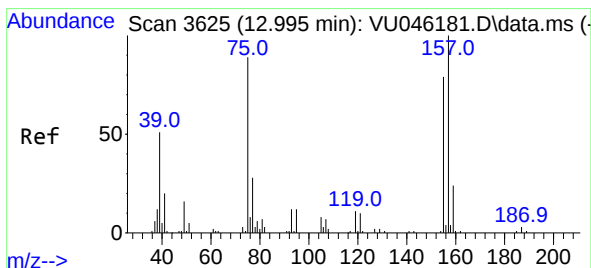
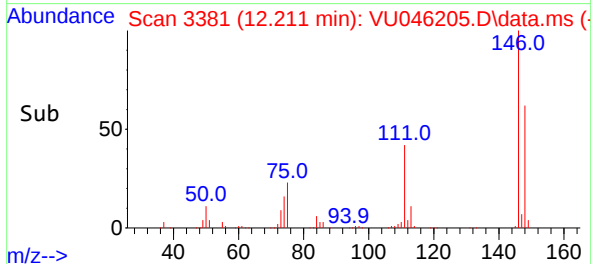
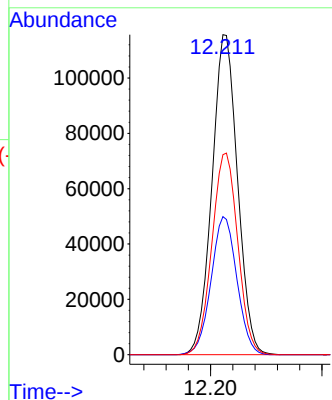
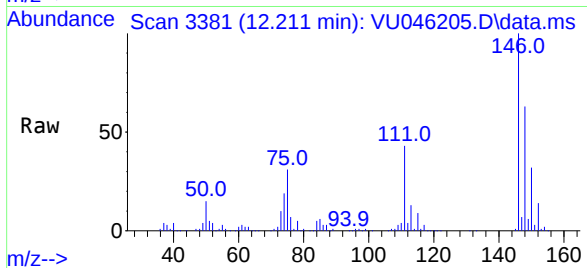
Tgt Ion:146 Resp: 184252

Ion Ratio Lower Upper

146 100

111 43.2 35.7 53.5

148 62.5 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.056 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046205.D

Acq: 09 Dec 2021 02:41

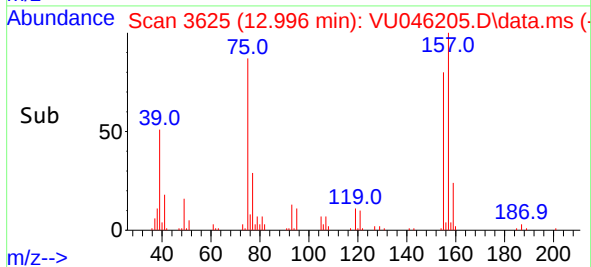
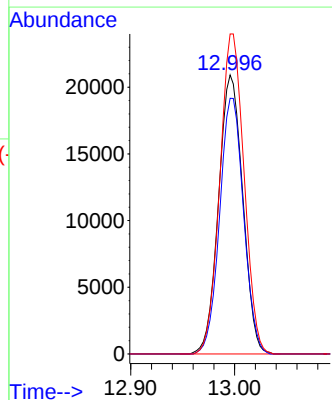
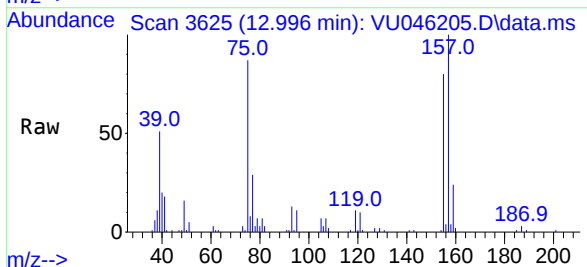
Tgt Ion: 75 Resp: 33832

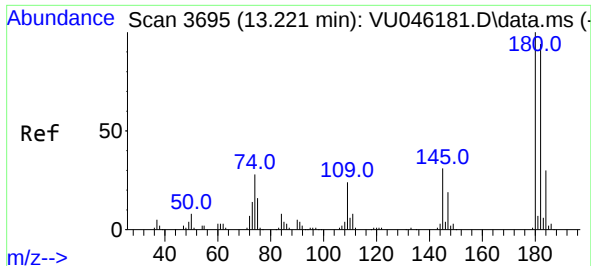
Ion Ratio Lower Upper

75 100

155 91.6 64.9 97.3

157 114.7 81.9 122.9

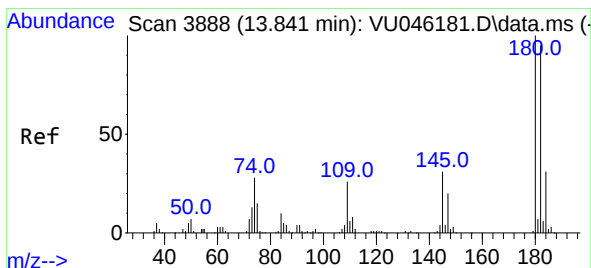
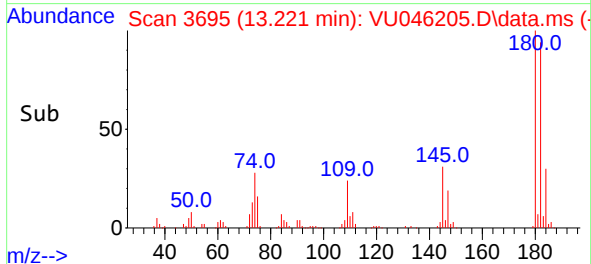
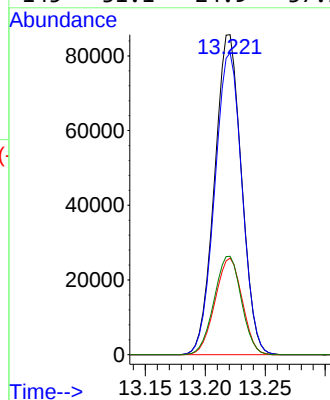
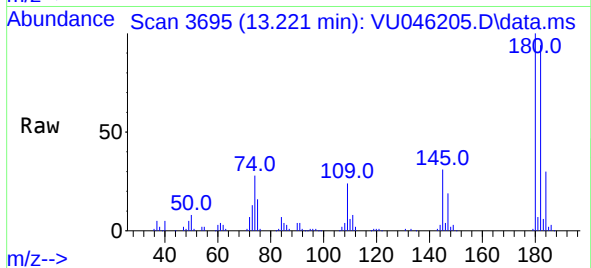




#69  
1,3,5-Trichlorobenzene  
Concen: 52.438 ug/L  
RT: 13.221 min Scan# 3695  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

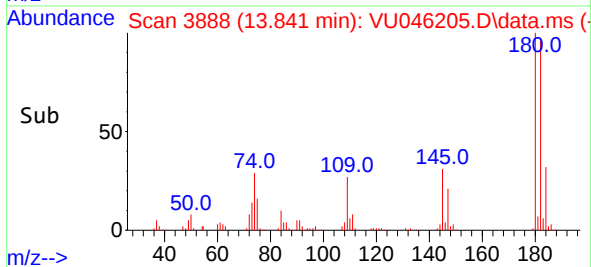
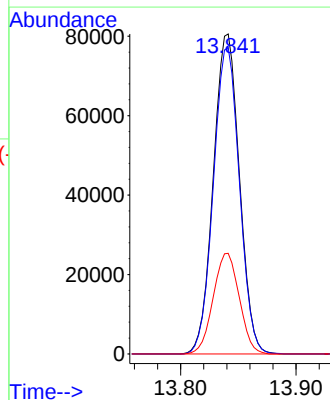
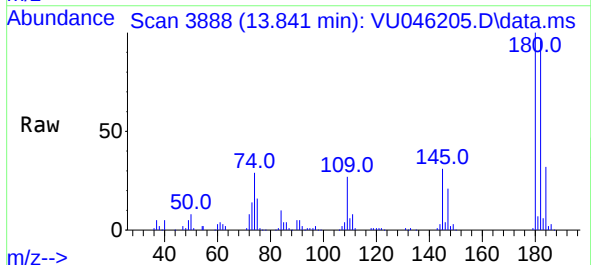
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

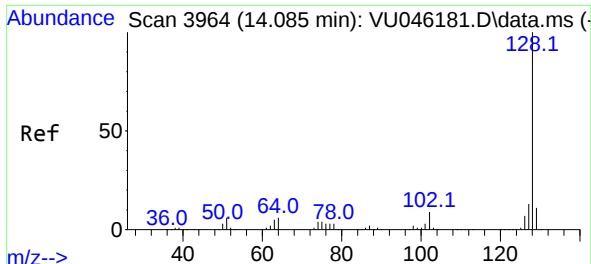
Tgt Ion:180 Resp: 133995  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.9 113.9  
184 30.3 24.2 36.4  
145 31.1 24.9 37.3



#70  
1,2,4-trichlorobenzene  
Concen: 55.777 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion:180 Resp: 126479  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.7 115.1  
145 31.4 26.0 39.0

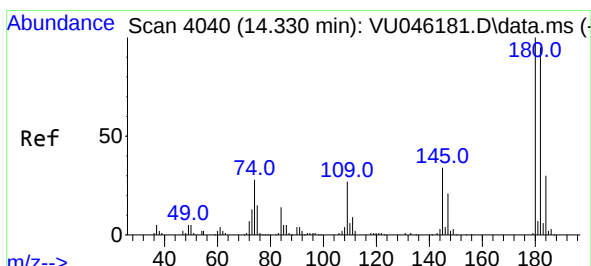
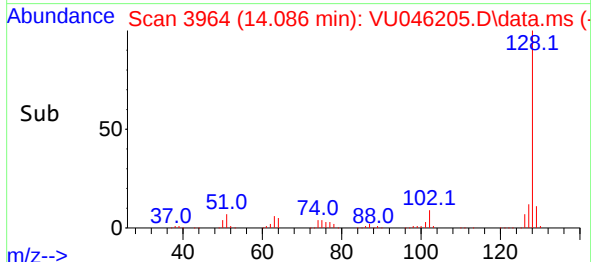
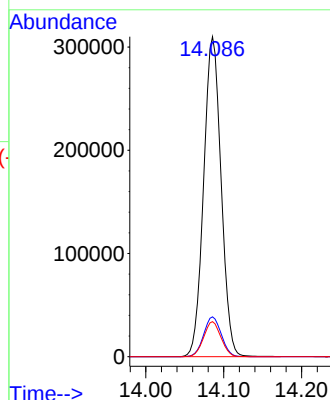
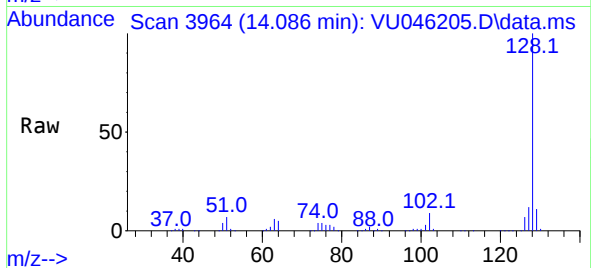




#71  
Naphthalene  
Concen: 61.076 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. -0.003 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5N8MSD

Tgt Ion:128 Resp: 481936  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.1 15.1  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 55.741 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU046205.D  
Acq: 09 Dec 2021 02:41

Tgt Ion:180 Resp: 128892  
Ion Ratio Lower Upper  
180 100  
182 96.7 76.0 114.0  
145 33.3 27.3 40.9

