

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU103122\  
 Data File : VU051625.D  
 Acq On : 31 Oct 2022 20:55  
 Operator : JC/MD  
 Sample : N5353-15MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9MSD

Quant Time: Nov 01 01:30:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 01 01:25:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 202853   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 210152   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 111024   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 51451    | 3.368    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 67.400%  |
| 7) Chloroethane-d5            | 1.909  | 69    | 62214    | 3.905    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 18459    | 3.329    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 66.600%  |
| 20) 2-Butanone-d5             | 4.617  | 46    | 290460   | 52.496   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 105.000% |
| 24) Chloroform-d              | 5.060  | 84    | 159773   | 4.469    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 88709    | 4.593    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.800%  |
| 32) Benzene-d6                | 5.726  | 84    | 271826   | 4.099    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 102777   | 4.432    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.600%  |
| 41) Toluene-d8                | 7.896  | 98    | 216224   | 4.146    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.000%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 31004    | 4.373    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.400%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 229907   | 53.862   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 104878   | 4.935    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 85539    | 4.198    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 84.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 115475   | 5.205    | ug/L   | 99       |
| 3) Chloromethane              | 1.523  | 50    | 133565   | 4.776    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.601  | 62    | 145797   | 5.443    | ug/L # | 50       |
| 6) Bromomethane               | 1.848  | 94    | 29935    | 2.357    | ug/L   | 95       |
| 8) Chloroethane               | 1.929  | 64    | 90274    | 5.550    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 2.134  | 101   | 156593   | 5.325    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 90586    | 5.240    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 93759    | 5.317    | ug/L   | 91       |
| 13) Acetone                   | 2.620  | 43    | 148667   | 52.956   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.790  | 76    | 298882   | 5.257    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.948  | 43    | 35957    | 4.892    | ug/L   | 97       |
| 16) Methylene chloride        | 3.041  | 84    | 116129   | 4.020    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.359  | 73    | 225998   | 5.589    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96    | 241207   | 12.745   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 220899   | 6.328    | ug/L   | 99       |
| 21) 2-Butanone                | 4.697  | 43    | 254245   | 57.830   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96    | 748539   | 35.744   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973  | 128   | 52847    | 5.397    | ug/L   | 98       |
| 25) Chloroform                | 5.086  | 83    | 192551   | 5.317    | ug/L   | 99       |

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 ALS Vial : 23 Sample Multiplier: 1

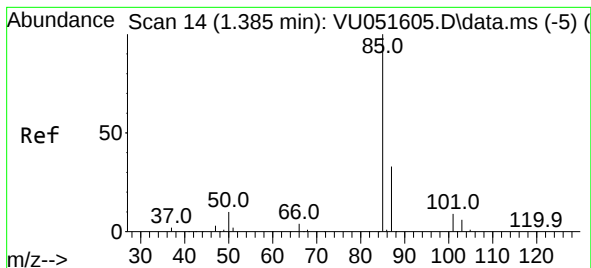
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9MSD

Quant Time: Nov 01 01:30:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 01 01:25:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 119271   | 5.352  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 150653   | 5.280  | ug/L  | 98       |
| 30) Cyclohexane               | 5.388  | 56   | 134733   | 5.128  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 124972   | 5.121  | ug/L  | 99       |
| 33) Benzene                   | 5.771  | 78   | 457694   | 5.519  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 169040   | 8.446  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 134507   | 4.861  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 114642   | 5.374  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.102  | 83   | 137039   | 5.260  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 138354   | 5.056  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.787  | 43   | 597281   | 55.826 | ug/L  | 99       |
| 42) Toluene                   | 7.967  | 91   | 458283   | 5.381  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 121632   | 5.319  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 82653    | 5.288  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.552  | 164  | 78531    | 5.123  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.681  | 43   | 451147   | 56.968 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.806  | 129  | 93983    | 5.263  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 75401    | 5.347  | ug/L  | 94       |
| 51) Chlorobenzene             | 9.446  | 112  | 532102   | 9.926  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 433117   | 5.270  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.694  | 106  | 171433   | 5.371  | ug/L  | 97       |
| 54) o-Xylene                  | 10.099 | 106  | 168141   | 5.390  | ug/L  | 98       |
| 55) Styrene                   | 10.112 | 104  | 291034   | 5.580  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 108970   | 5.622  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 53215    | 5.187  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.481 | 105  | 415823   | 5.130  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 75463    | 5.256  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 104234   | 4.777  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 307551   | 4.888  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 213280   | 5.286  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 265602   | 6.565  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 233814   | 5.949  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 15671    | 5.301  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 140070   | 4.870  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 107976   | 4.890  | ug/L  | 98       |
| 71) Naphthalene               | 14.082 | 128  | 202520   | 4.914  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 110098   | 4.938  | ug/L  | 99       |

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

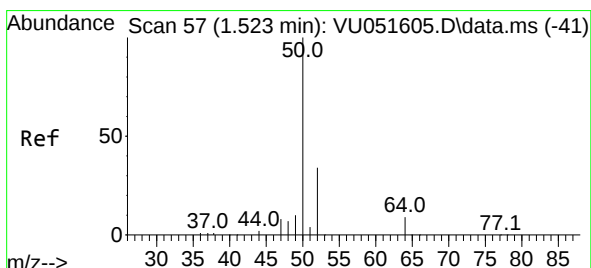
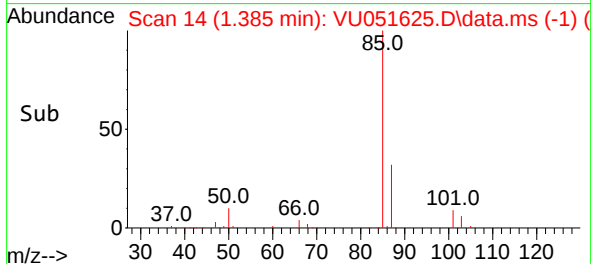
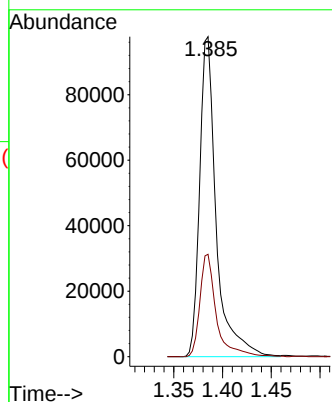
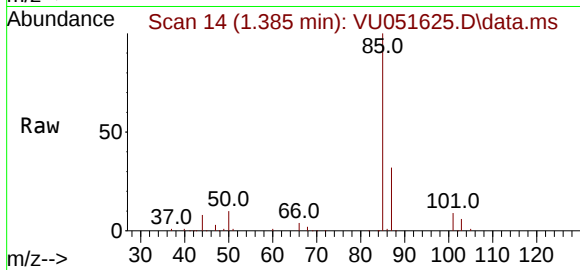




#2  
Dichlorodifluoromethane  
Concen: 5.205 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

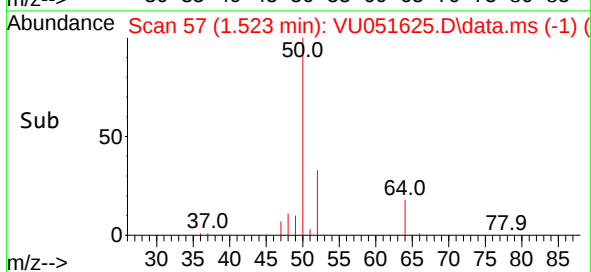
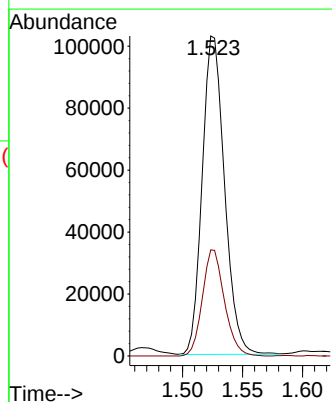
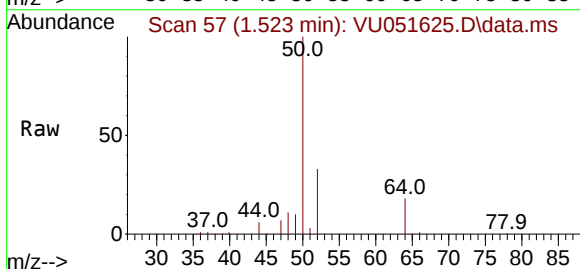
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

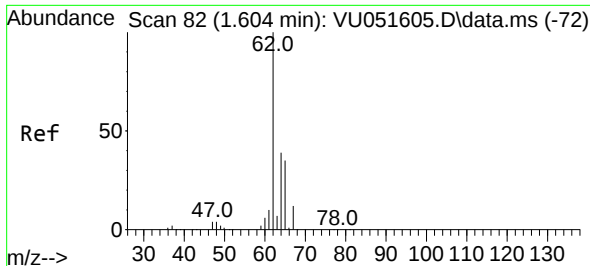
Tgt Ion: 85 Resp: 115475  
Ion Ratio Lower Upper  
85 100  
87 31.8 25.7 38.5



#3  
Chloromethane  
Concen: 4.776 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 50 Resp: 133565  
Ion Ratio Lower Upper  
50 100  
52 33.2 23.2 43.2

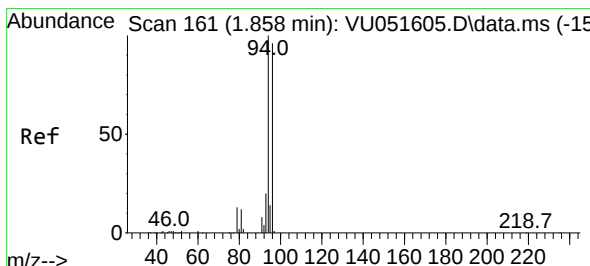
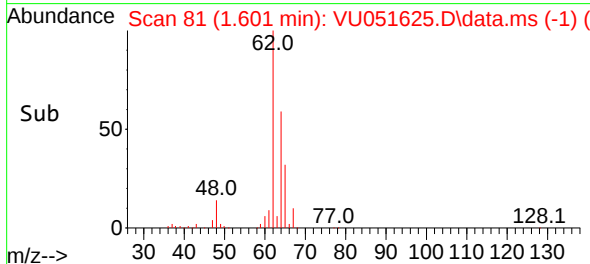
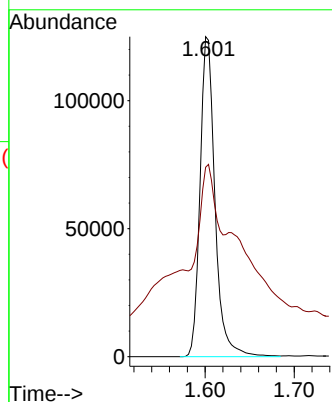
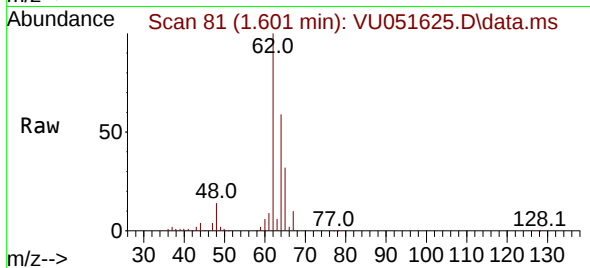




#5  
 Vinyl chloride  
 Concen: 5.443 ug/L  
 RT: 1.601 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

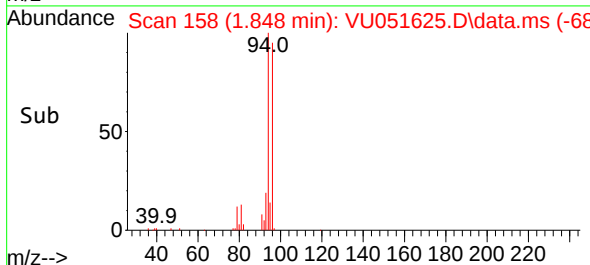
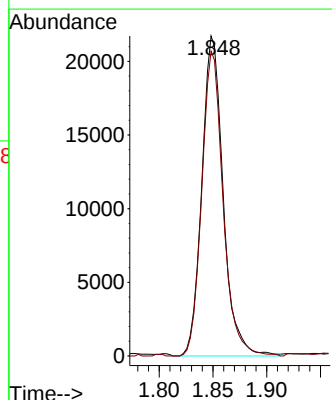
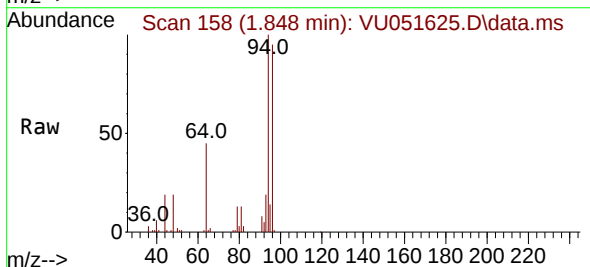
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9MSD

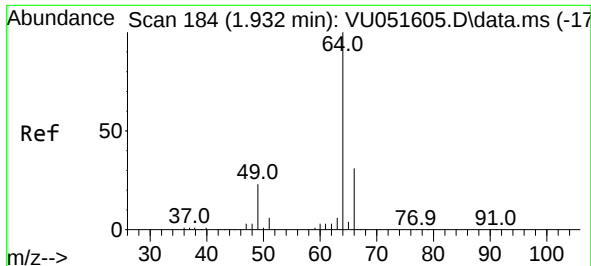
Tgt Ion: 62 Resp: 145797  
 Ion Ratio Lower Upper  
 62 100  
 64 59.2 22.1 41.1#



#6  
 Bromomethane  
 Concen: 2.357 ug/L  
 RT: 1.848 min Scan# 158  
 Delta R.T. -0.009 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

Tgt Ion: 94 Resp: 29935  
 Ion Ratio Lower Upper  
 94 100  
 96 95.3 63.2 117.4

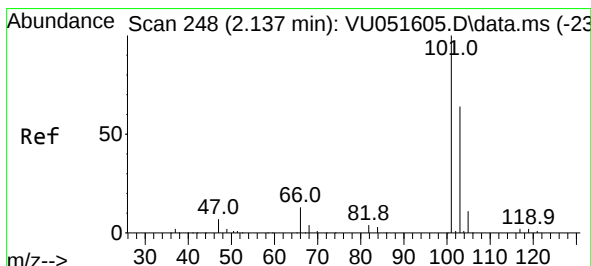
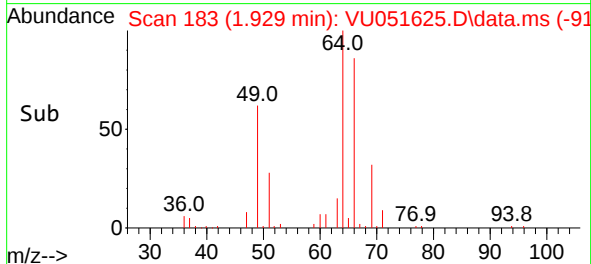
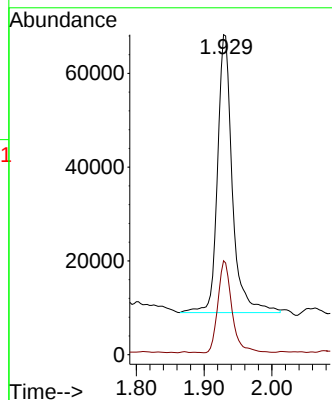
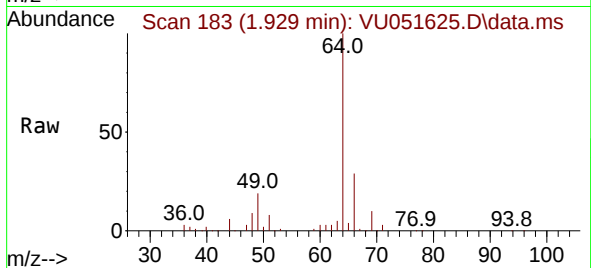




#8  
Chloroethane  
Concen: 5.550 ug/L  
RT: 1.929 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

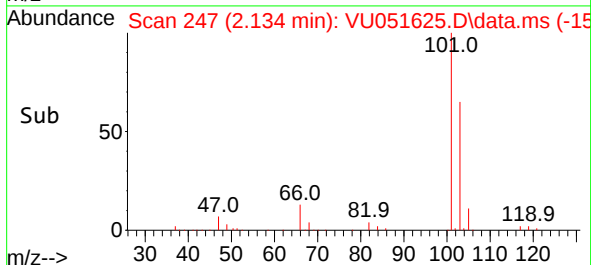
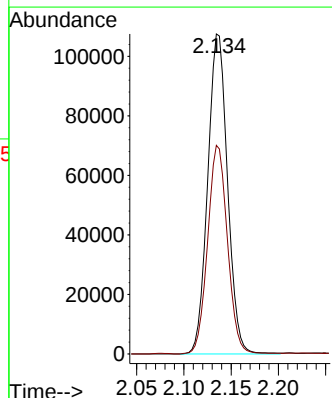
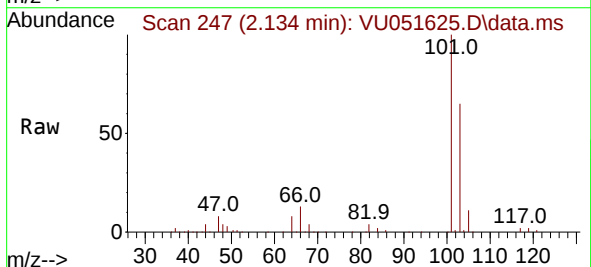
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ClientSampleId :  
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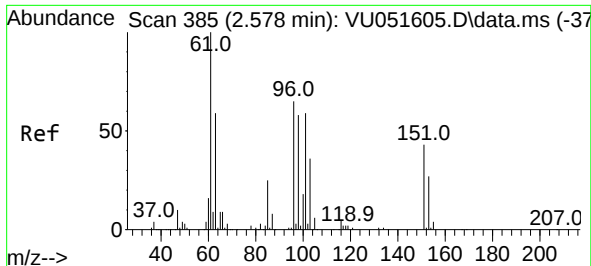
Tgt Ion: 64 Resp: 90274  
Ion Ratio Lower Upper  
64 100  
66 29.3 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 5.325 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion:101 Resp: 156593  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.8 77.6

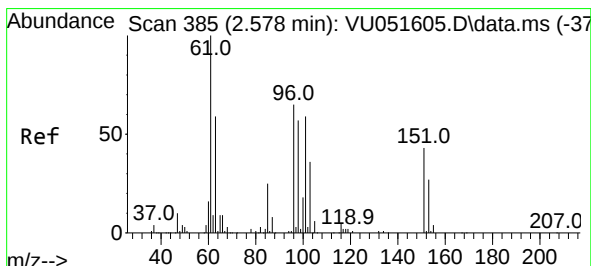
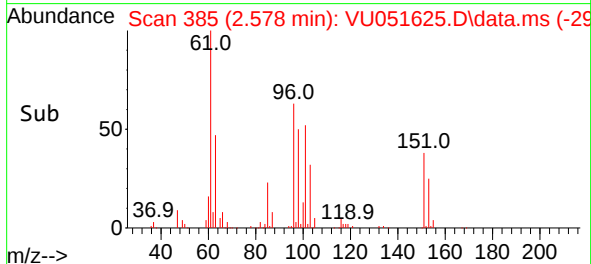
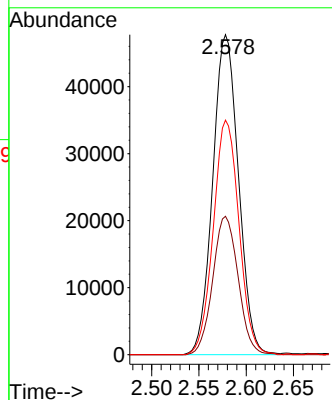
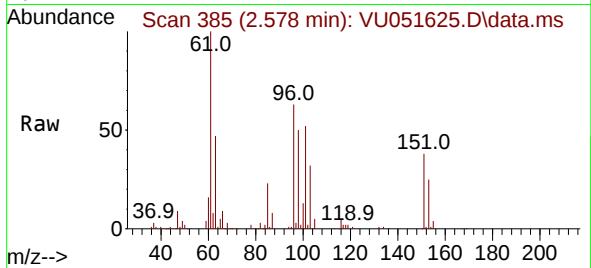




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.240 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. 0.000 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

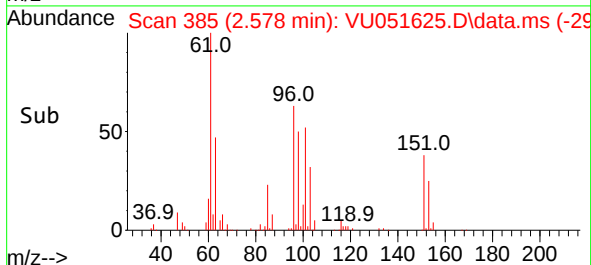
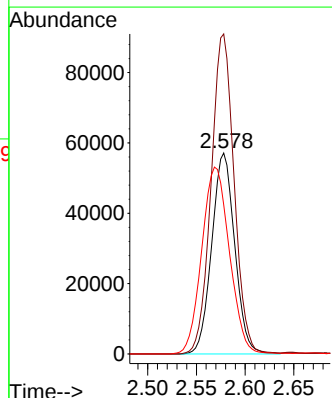
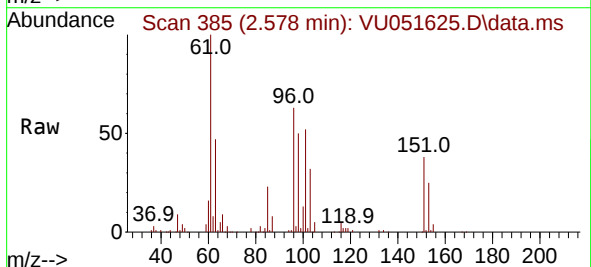
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9MSD

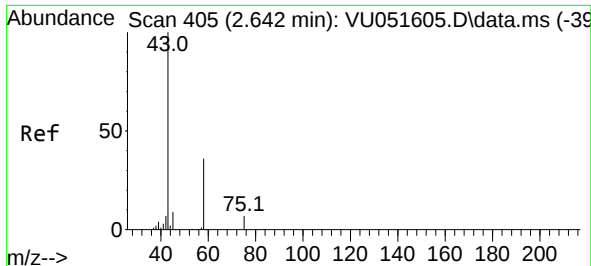
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 Ion Ratio Lower Upper  
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 151 73.2 59.6 89.4



#12  
 1,1-Dichloroethene  
 Concen: 5.317 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. 0.000 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

Tgt Ion: 96 Resp: 93759  
 Ion Ratio Lower Upper  
 96 100  
 61 159.2 108.8 202.0  
 63 74.2 64.9 120.5





#13

Acetone

Concen: 52.956 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.022 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

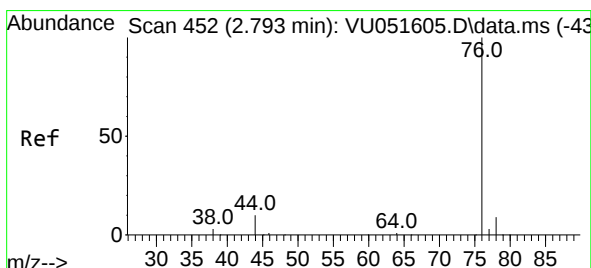
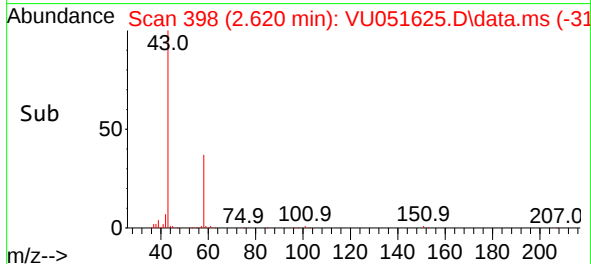
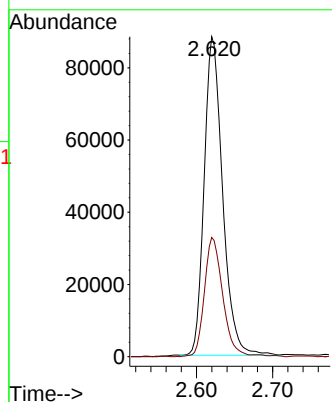
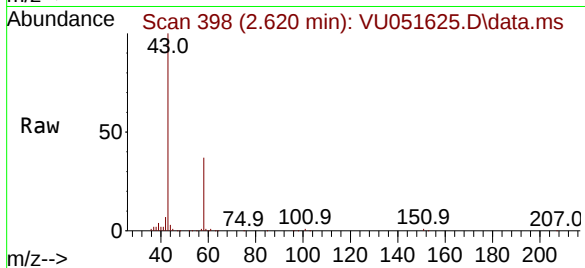
DBWW9MSD

Tgt Ion: 43 Resp: 148667

Ion Ratio Lower Upper

43 100

58 37.0 0.0 73.8



#14

Carbon disulfide

Concen: 5.257 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU051625.D

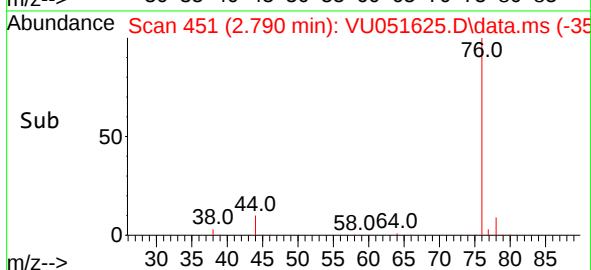
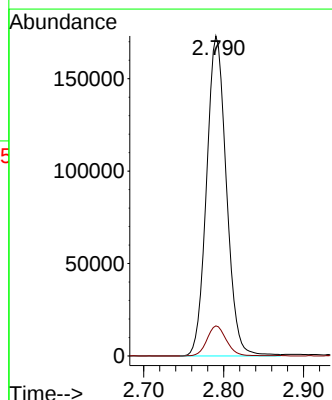
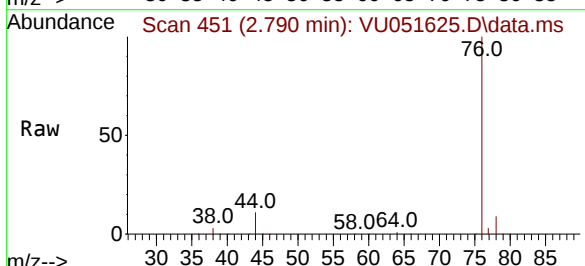
Acq: 31 Oct 2022 20:55

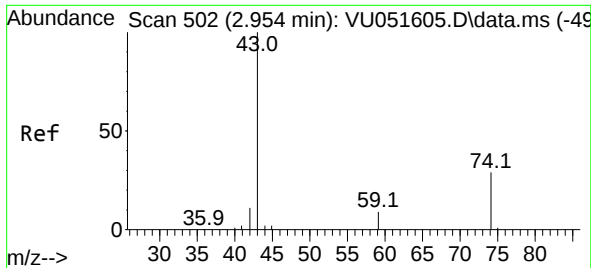
Tgt Ion: 76 Resp: 298882

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

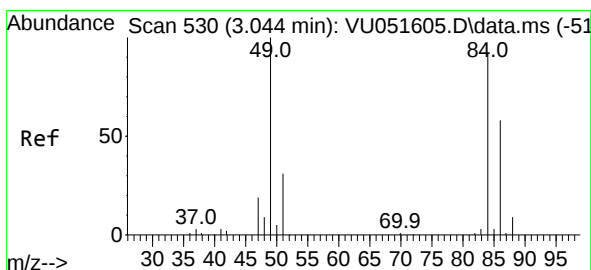
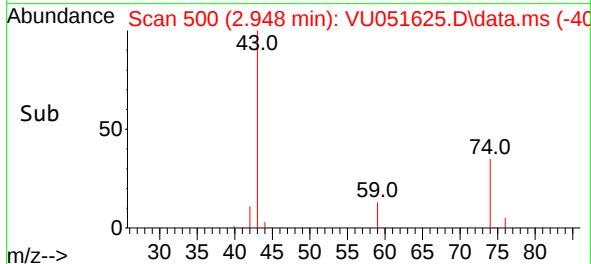
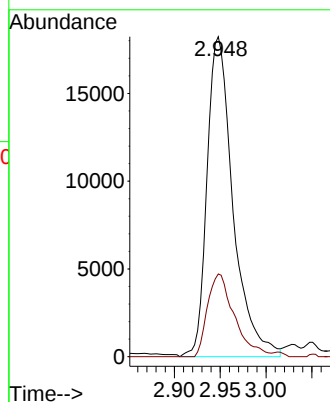
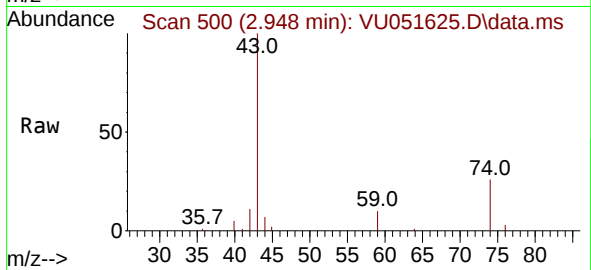




#15  
Methyl Acetate  
Concen: 4.892 ug/L  
RT: 2.948 min Scan# 502  
Delta R.T. -0.006 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

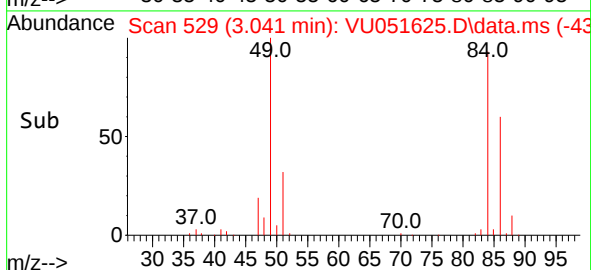
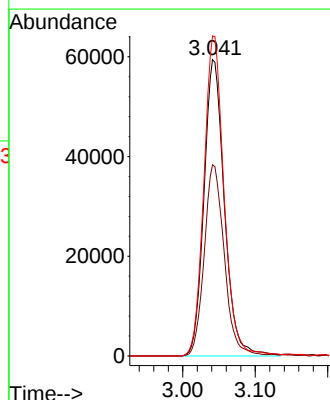
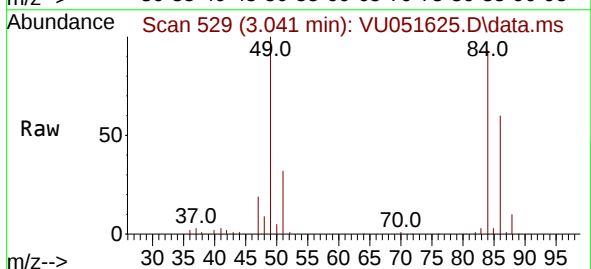
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MSVOA\_U  
ClientSampleId :  
DBWW9MSD

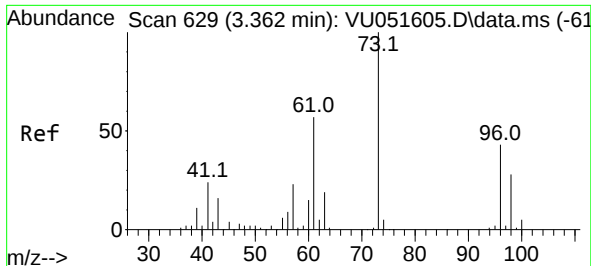
Tgt Ion: 43 Resp: 35957  
Ion Ratio Lower Upper  
43 100  
74 26.7 20.2 30.4



#16  
Methylene chloride  
Concen: 4.020 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 84 Resp: 116129  
Ion Ratio Lower Upper  
84 100  
86 64.5 46.3 85.9  
49 108.0 76.0 141.2

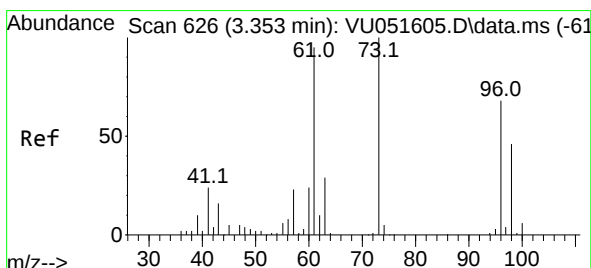
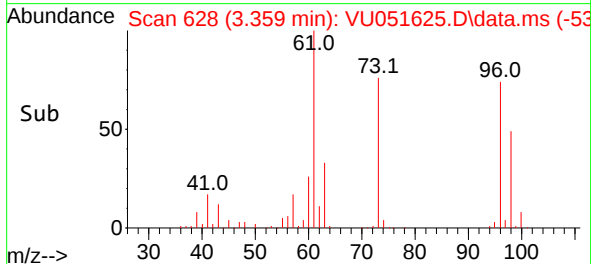
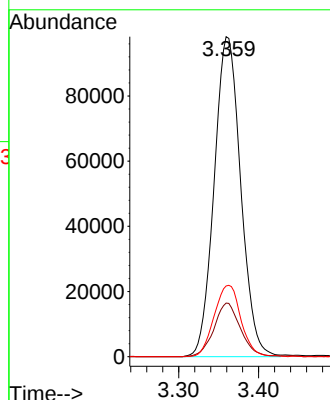
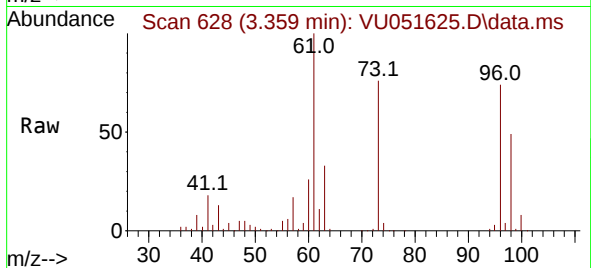




#17  
Methyl tert-butyl Ether  
Concen: 5.589 ug/L  
RT: 3.359 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

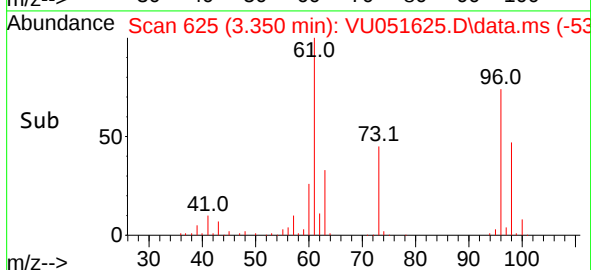
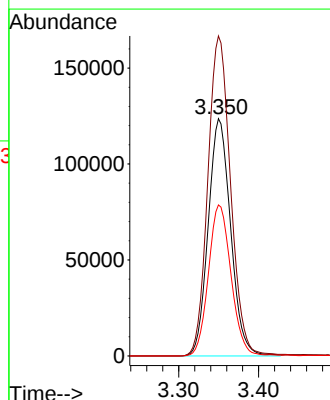
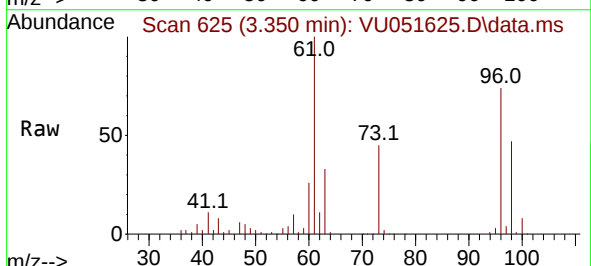
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

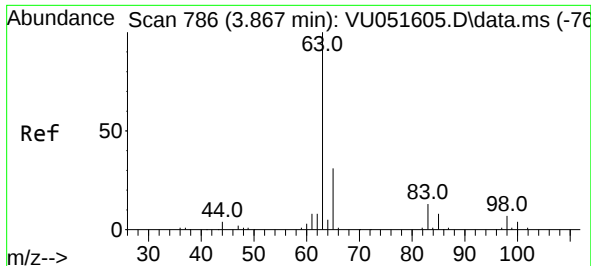
Tgt Ion: 73 Resp: 225998  
Ion Ratio Lower Upper  
73 100  
43 16.9 13.6 20.4  
57 22.6 17.5 26.3



#18  
trans-1,2-Dichloroethene  
Concen: 12.745 ug/L  
RT: 3.350 min Scan# 625  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 96 Resp: 241207  
Ion Ratio Lower Upper  
96 100  
61 134.9 94.7 175.9  
98 63.6 44.2 82.0

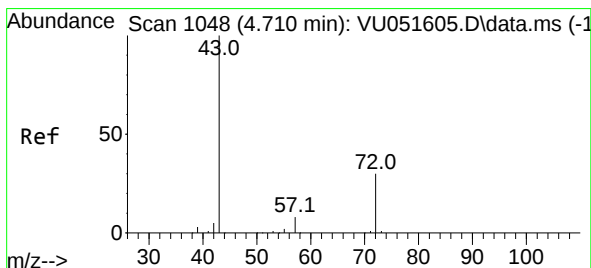
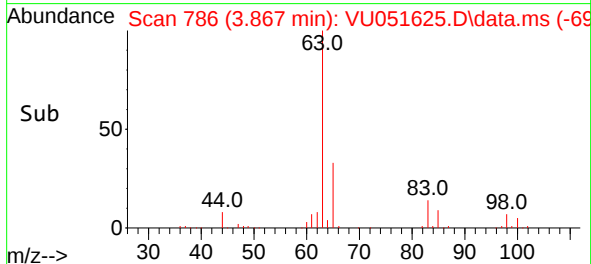
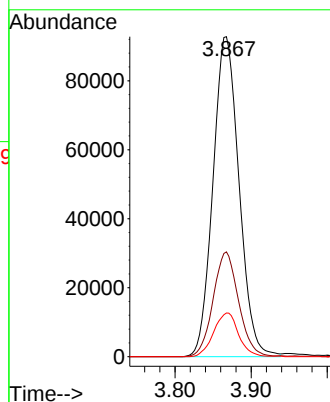
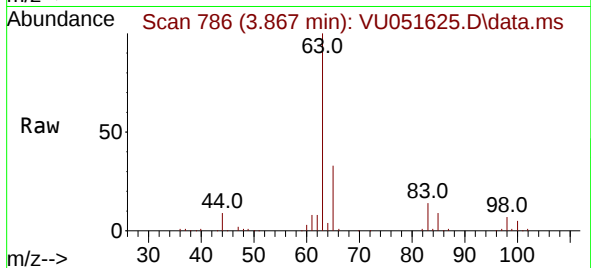




#19  
1,1-Dichloroethane  
Concen: 6.328 ug/L  
RT: 3.867 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

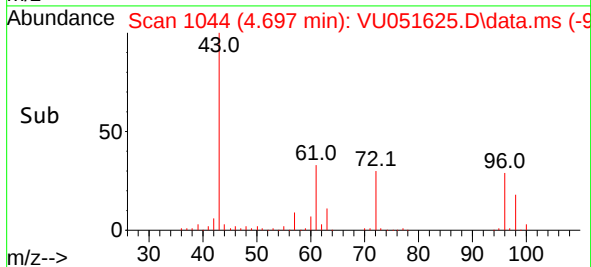
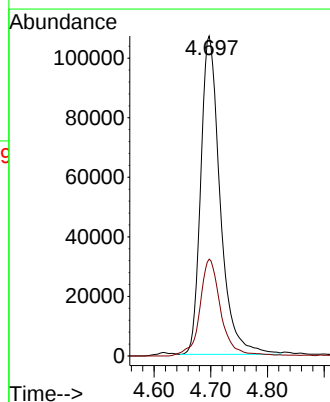
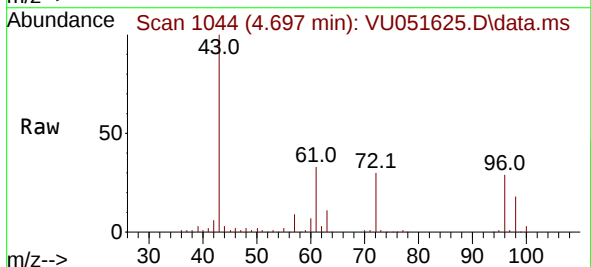
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

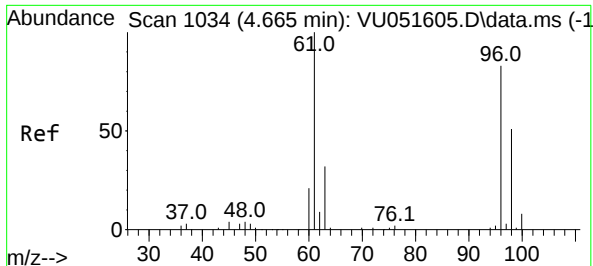
Tgt Ion: 63 Resp: 220899  
Ion Ratio Lower Upper  
63 100  
65 32.7 22.7 42.1  
83 13.7 9.2 17.0



#21  
2-Butanone  
Concen: 57.830 ug/L  
RT: 4.697 min Scan# 1044  
Delta R.T. -0.013 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 43 Resp: 254245  
Ion Ratio Lower Upper  
43 100  
72 32.8 16.2 48.5

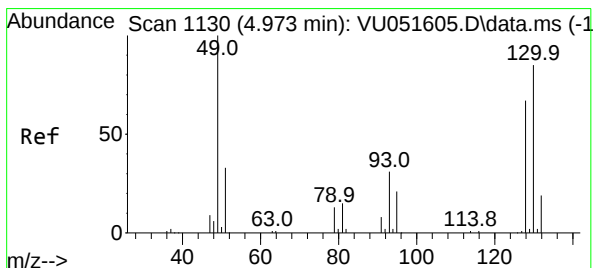
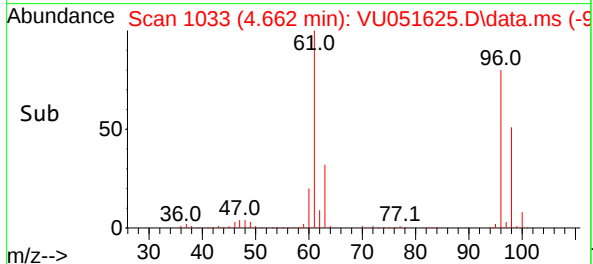
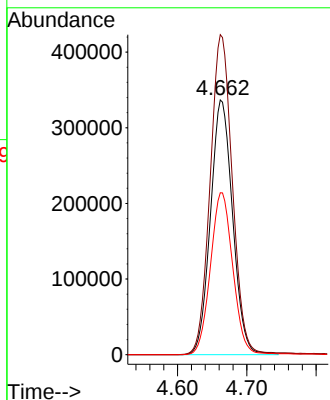
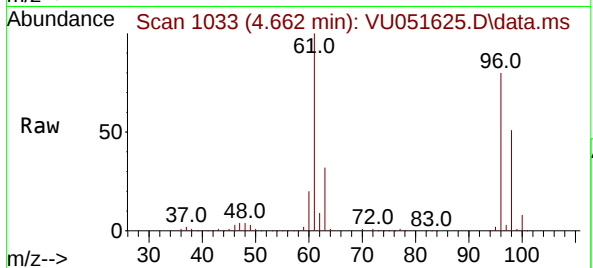




#22  
 cis-1,2-Dichloroethene  
 Concen: 35.744 ug/L  
 RT: 4.662 min Scan# 1033  
 Delta R.T. -0.003 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

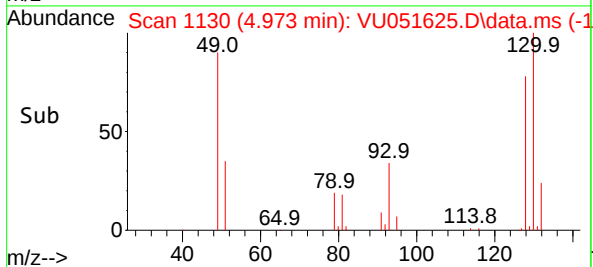
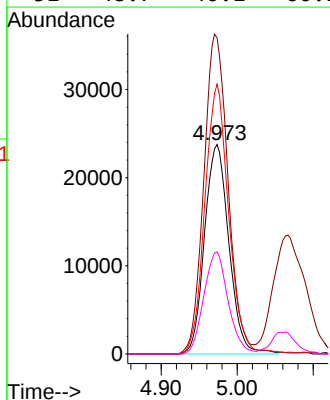
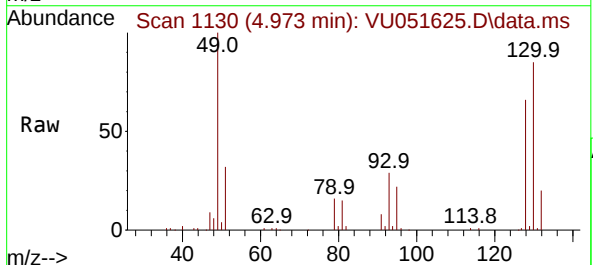
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9MSD

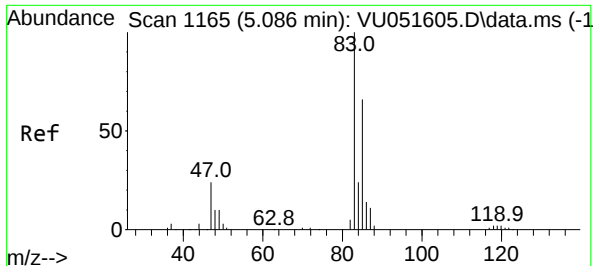
Tgt Ion: 96 Resp: 748539  
 Ion Ratio Lower Upper  
 96 100  
 61 125.6 86.4 160.4  
 98 63.6 44.2 82.2



#23  
 Bromochloromethane  
 Concen: 5.397 ug/L  
 RT: 4.973 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

Tgt Ion:128 Resp: 52847  
 Ion Ratio Lower Upper  
 128 100  
 49 150.8 105.5 195.9  
 130 128.7 93.5 173.7  
 51 48.7 40.1 60.1





#25

Chloroform

Concen: 5.317 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

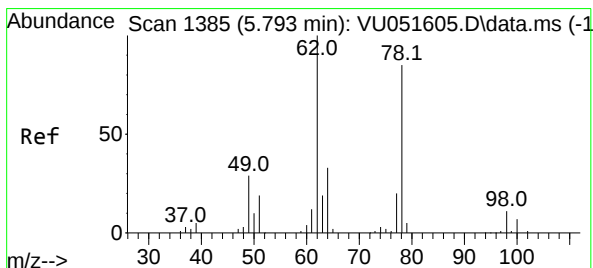
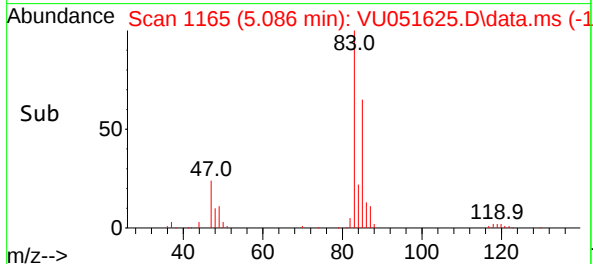
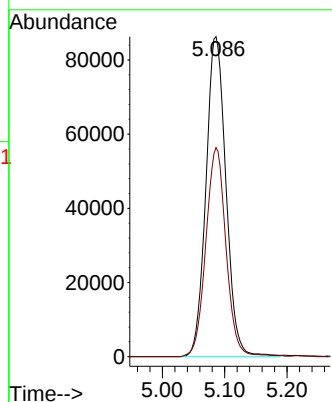
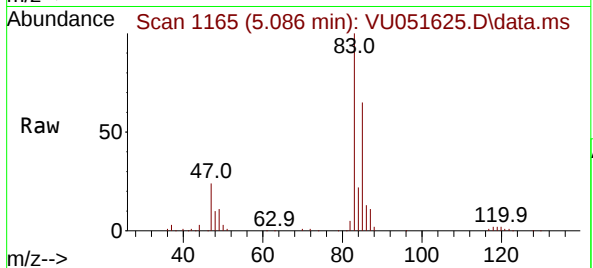
DBWW9MSD

Tgt Ion: 83 Resp: 192551

Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.352 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU051625.D

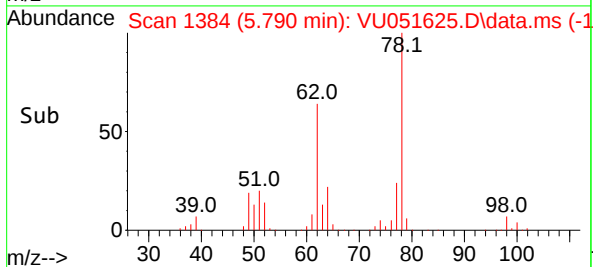
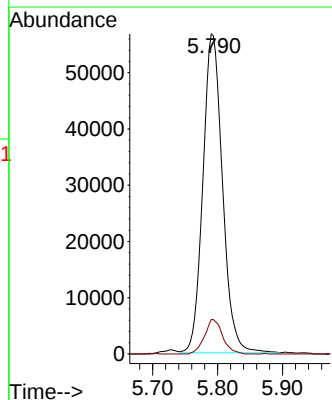
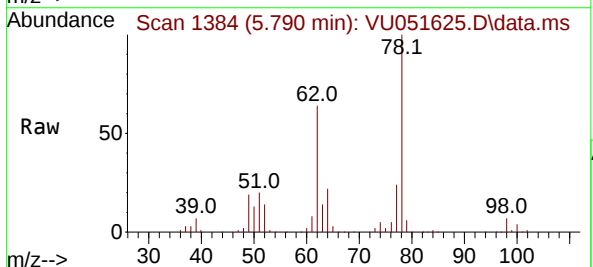
Acq: 31 Oct 2022 20:55

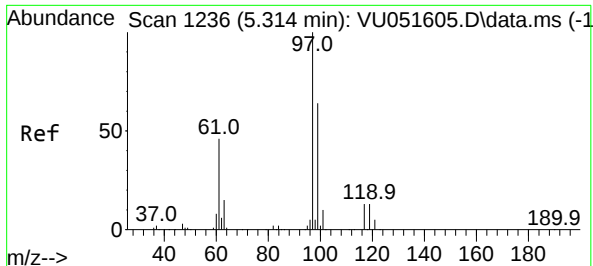
Tgt Ion: 62 Resp: 119271

Ion Ratio Lower Upper

62 100

98 10.7 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 5.280 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

DBWW9MSD

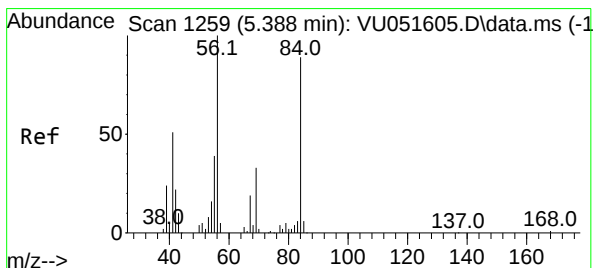
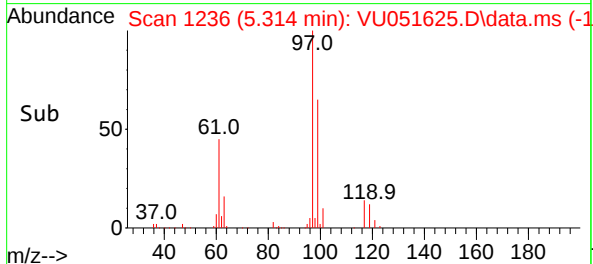
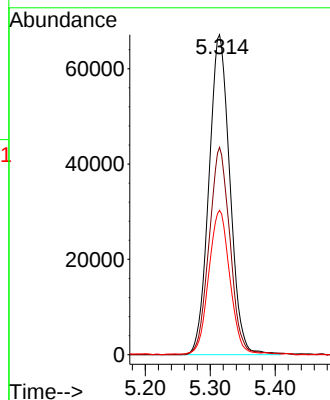
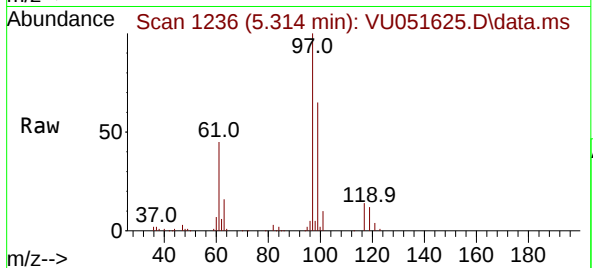
Tgt Ion: 97 Resp: 150653

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 44.8 37.4 56.0



#30

Cyclohexane

Concen: 5.128 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

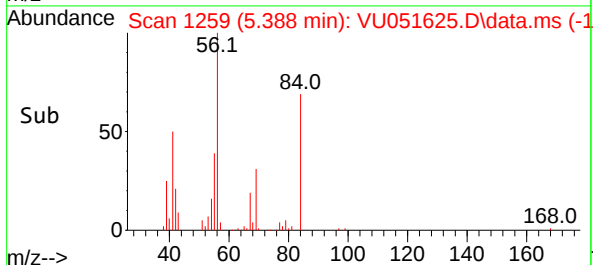
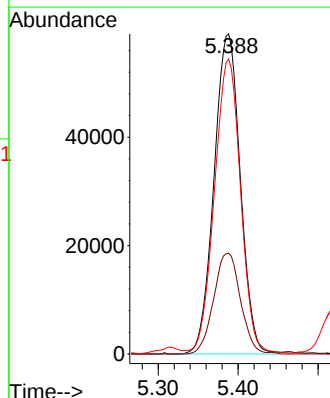
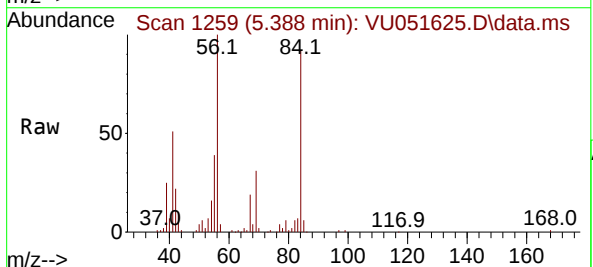
Tgt Ion: 56 Resp: 134733

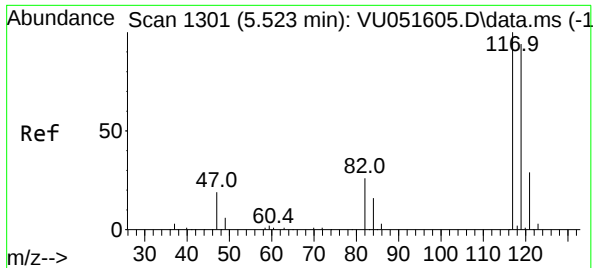
Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.0

84 92.0 71.4 107.0

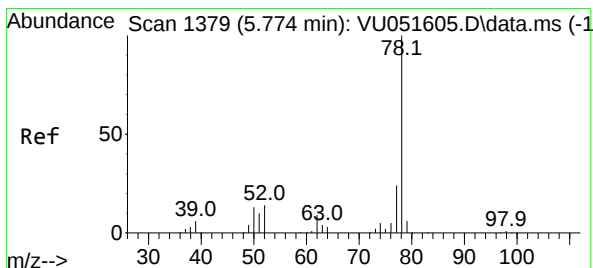
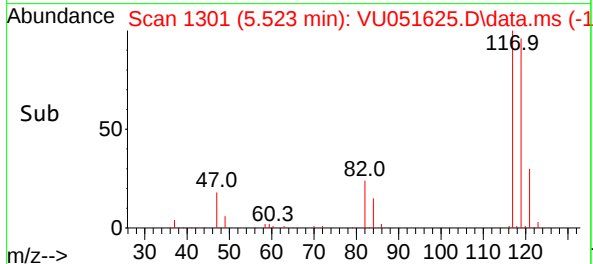
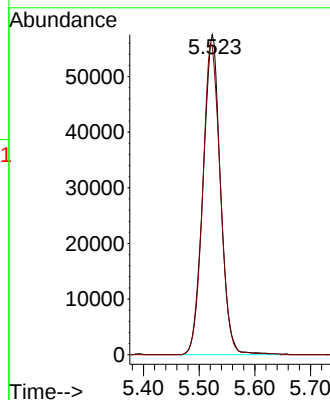
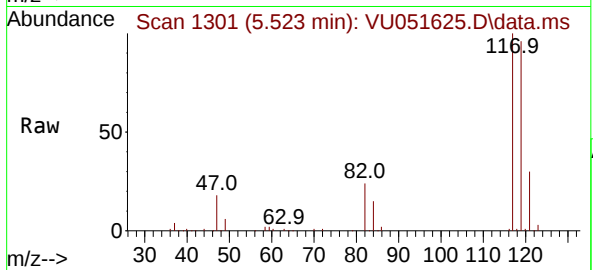




#31  
Carbon tetrachloride  
Concen: 5.121 ug/L  
RT: 5.523 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

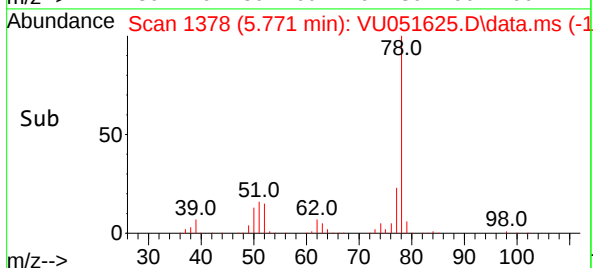
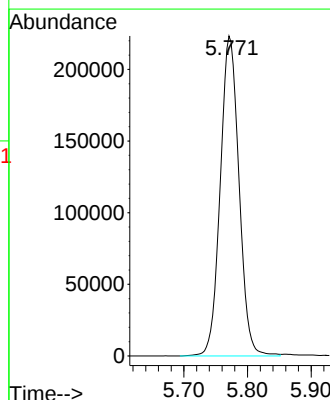
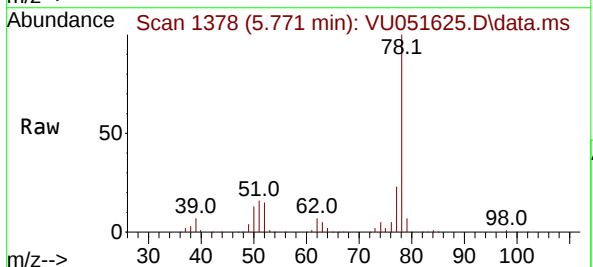
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

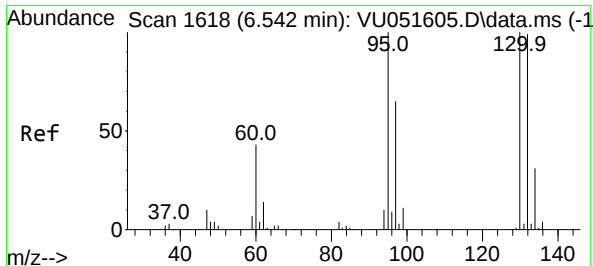
Tgt Ion:117 Resp: 124972  
Ion Ratio Lower Upper  
117 100  
119 98.1 77.5 116.3



#33  
Benzene  
Concen: 5.519 ug/L  
RT: 5.771 min Scan# 1378  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 78 Resp: 457694

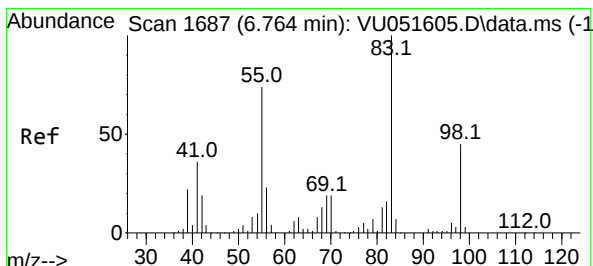
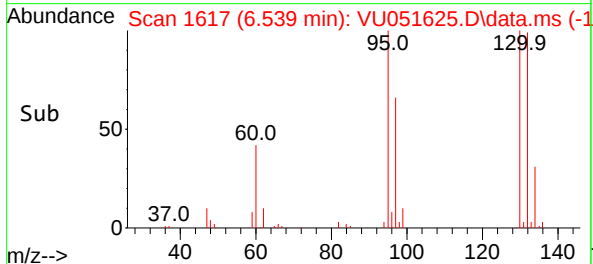
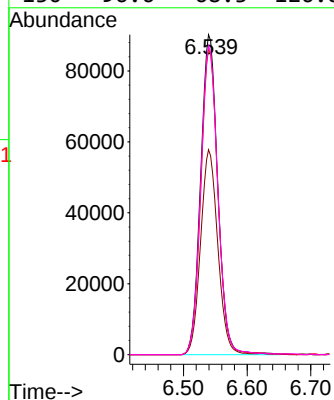
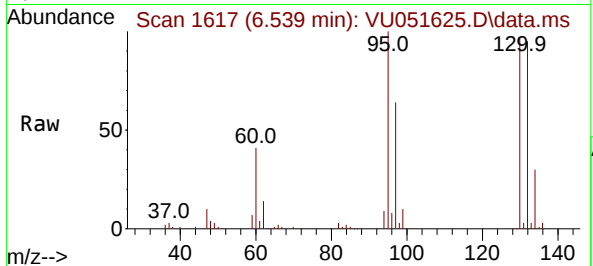




#34  
Trichloroethene  
Concen: 8.446 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

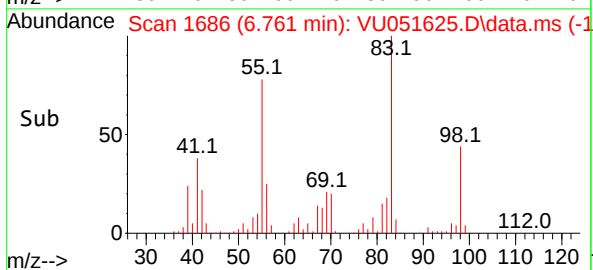
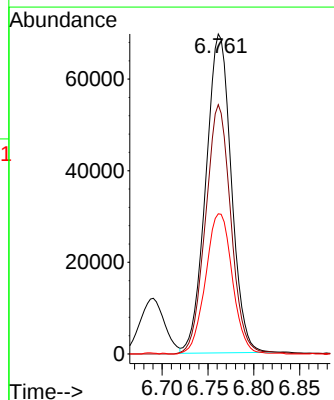
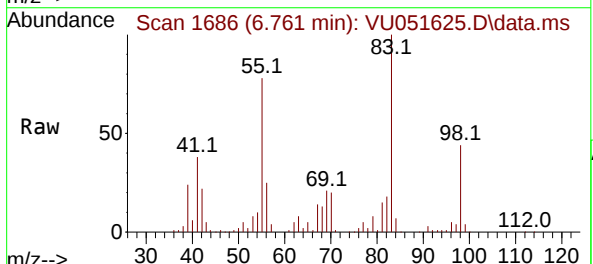
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

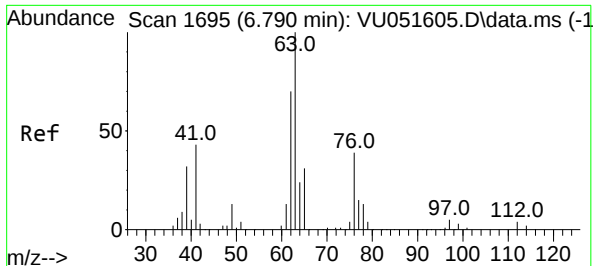
Tgt Ion: 95 Resp: 169040  
Ion Ratio Lower Upper  
95 100  
97 64.0 45.2 84.0  
132 95.5 66.5 123.5  
130 96.6 68.3 126.8



#35  
Methylcyclohexane  
Concen: 4.861 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 83 Resp: 134507  
Ion Ratio Lower Upper  
83 100  
55 78.2 60.6 90.8  
98 46.2 35.8 53.6





#37

1,2-Dichloropropane

Concen: 5.374 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

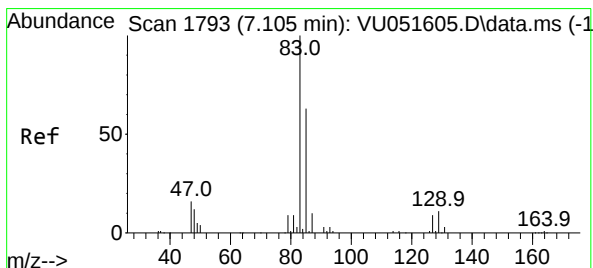
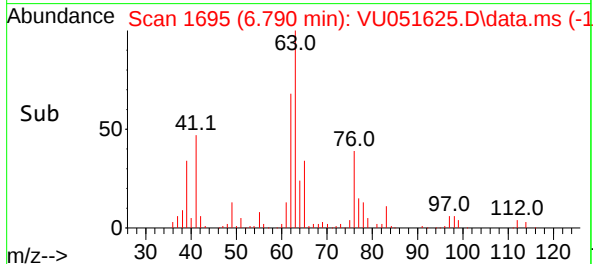
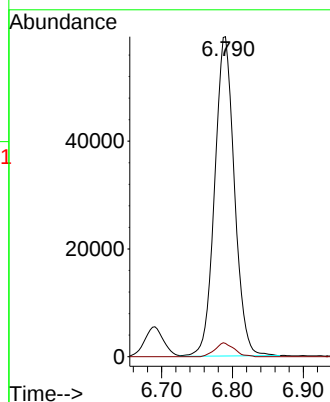
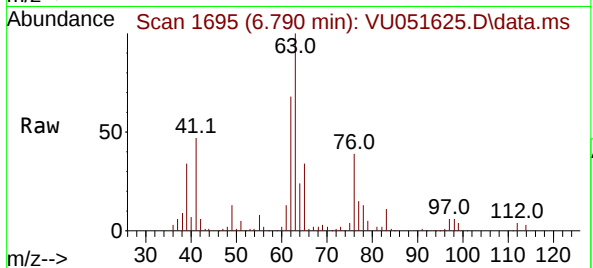
DBWW9MSD

Tgt Ion: 63 Resp: 114642

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 5.260 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

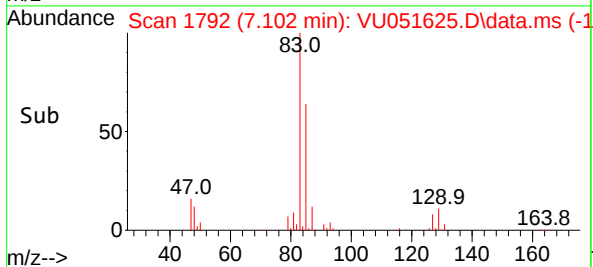
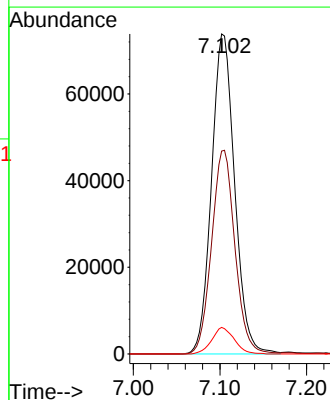
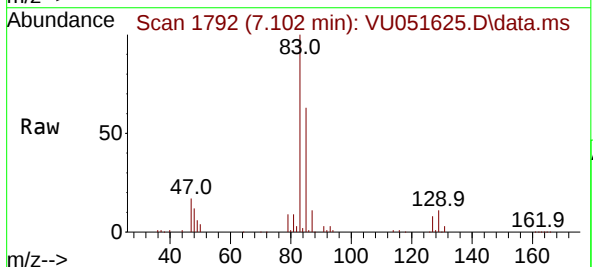
Tgt Ion: 83 Resp: 137039

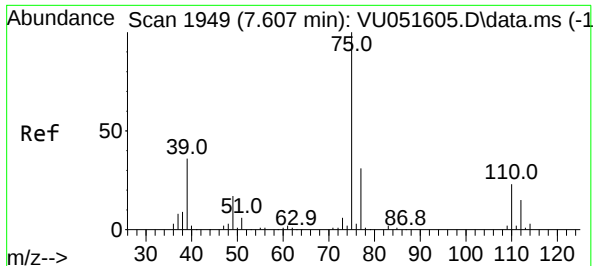
Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

127 8.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.056 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

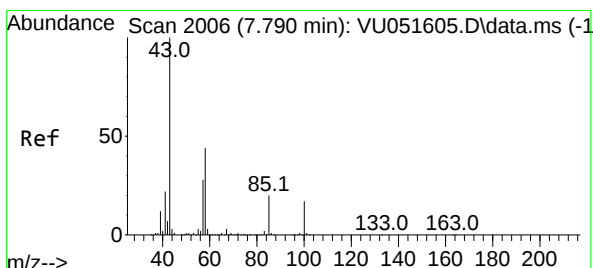
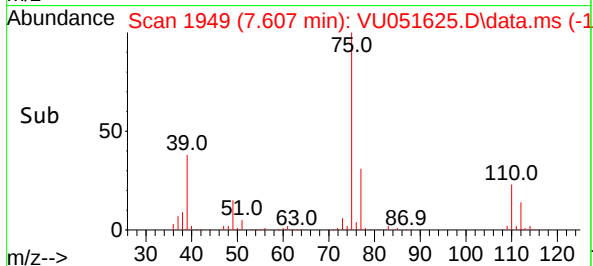
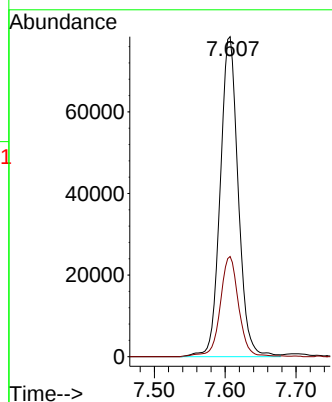
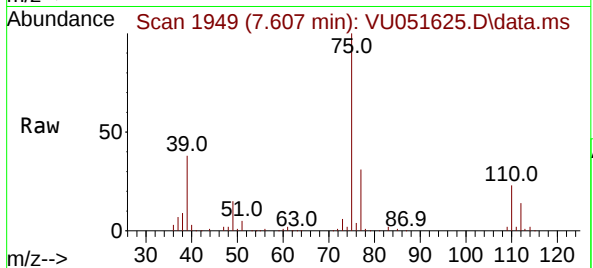
DBWW9MSD

Tgt Ion: 75 Resp: 138354

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 55.826 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

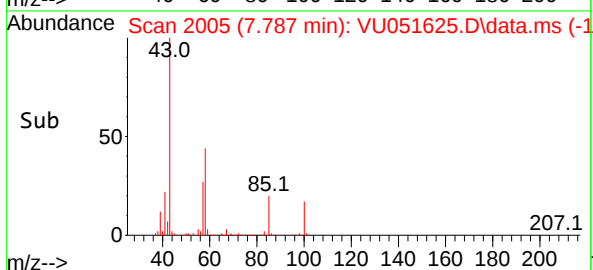
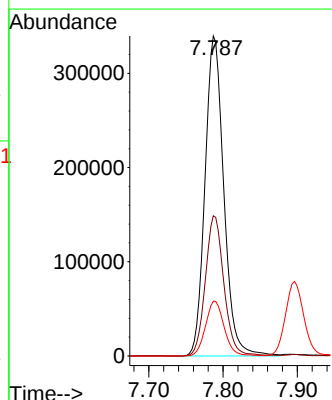
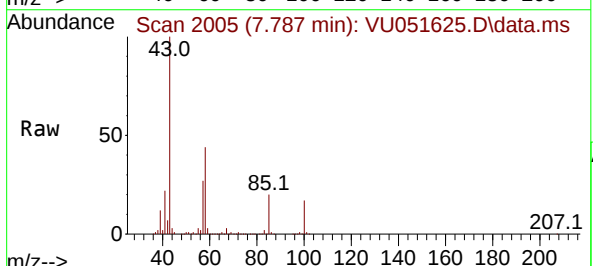
Tgt Ion: 43 Resp: 597281

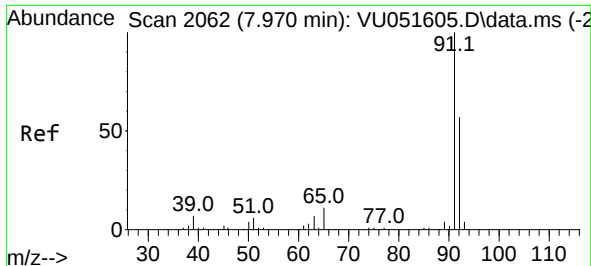
Ion Ratio Lower Upper

43 100

58 43.3 35.0 52.6

100 17.0 13.4 20.0





#42

Toluene

Concen: 5.381 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

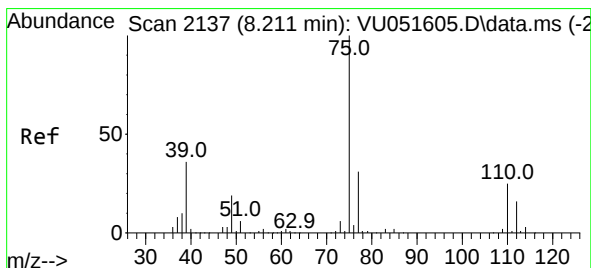
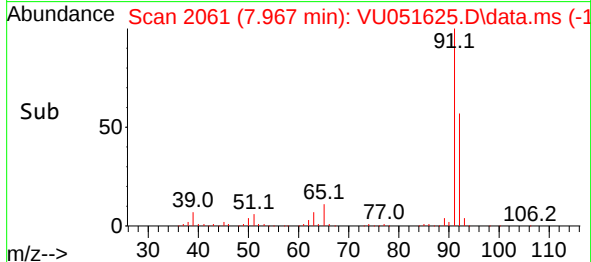
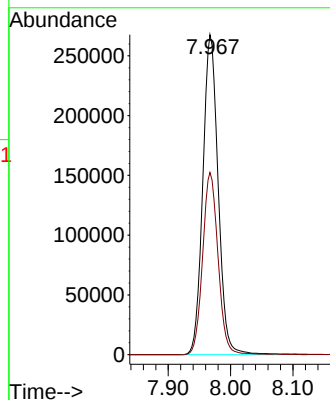
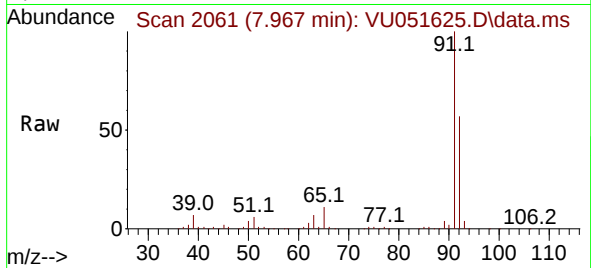
DBWW9MSD

Tgt Ion: 91 Resp: 458283

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.319 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU051625.D

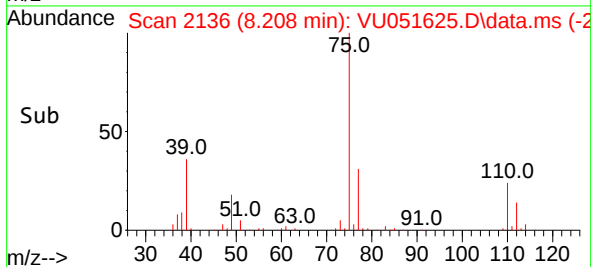
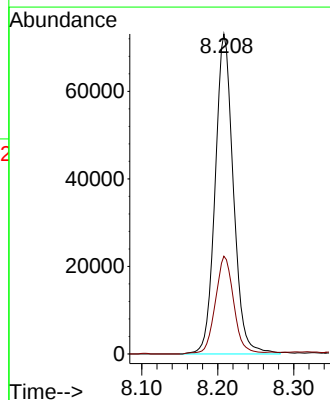
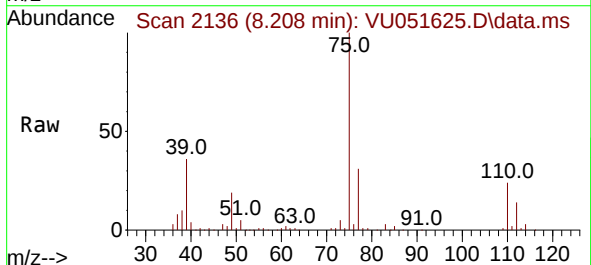
Acq: 31 Oct 2022 20:55

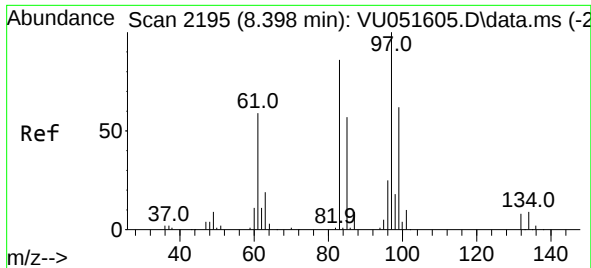
Tgt Ion: 75 Resp: 121632

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6



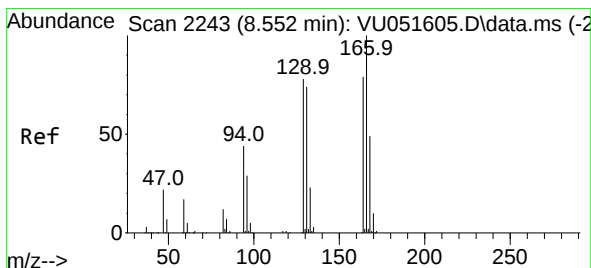
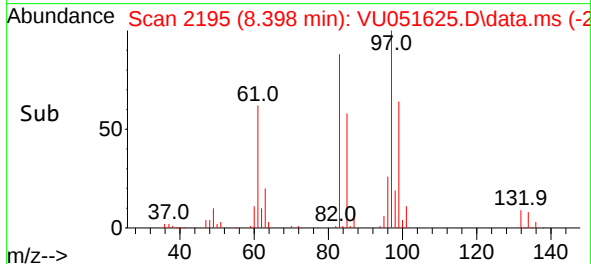
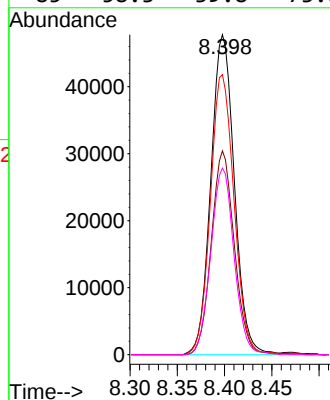
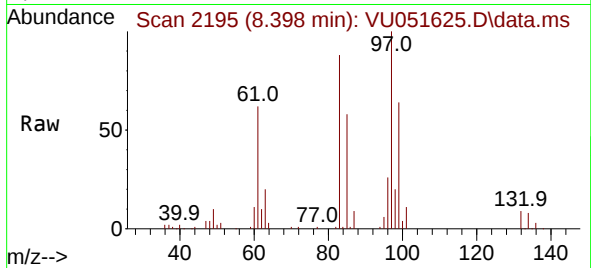


#45  
1,1,2-Trichloroethane  
Concen: 5.288 ug/L  
RT: 8.398 min Scan# 2195  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

Tgt Ion: 97 Resp: 82653

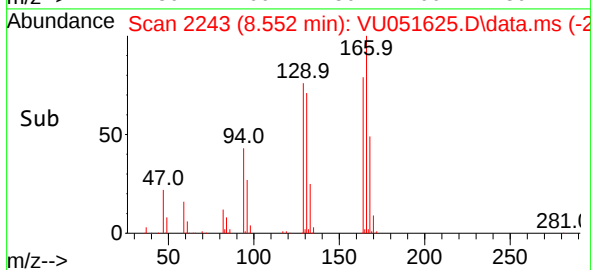
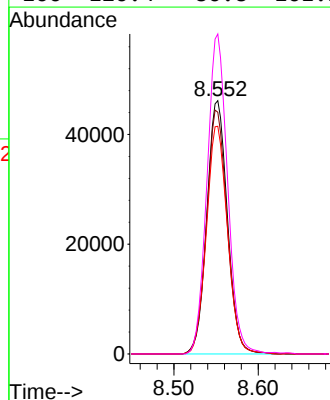
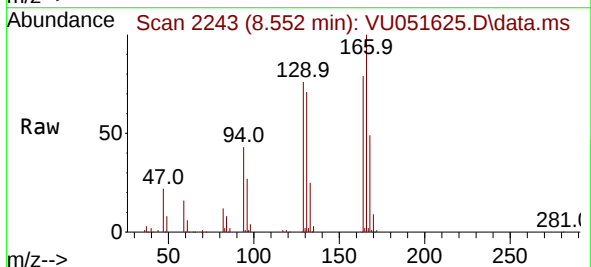
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.7  | 43.4  | 80.6  |
| 83  | 87.6  | 61.3  | 113.9 |
| 85  | 58.3  | 39.8  | 73.8  |

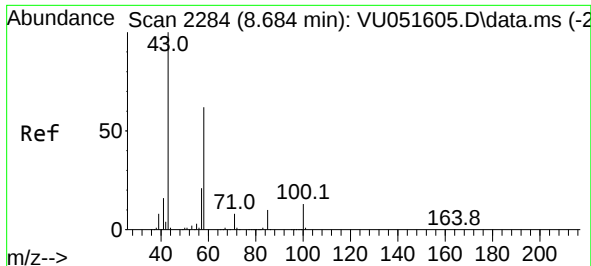


#47  
Tetrachloroethene  
Concen: 5.123 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 164 Resp: 78531

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 95.5  | 64.0  | 118.8 |
| 131 | 89.9  | 60.7  | 112.7 |
| 166 | 126.4 | 86.8  | 161.2 |

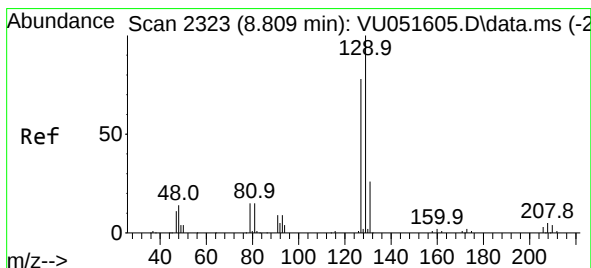
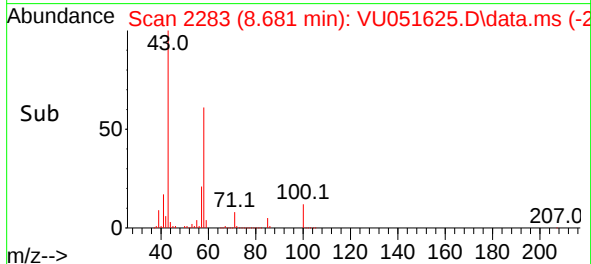
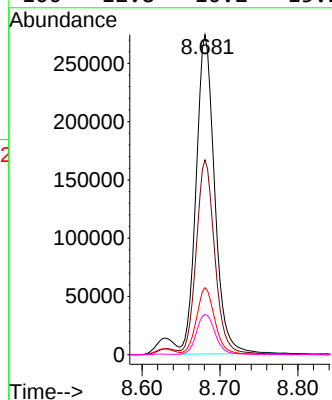
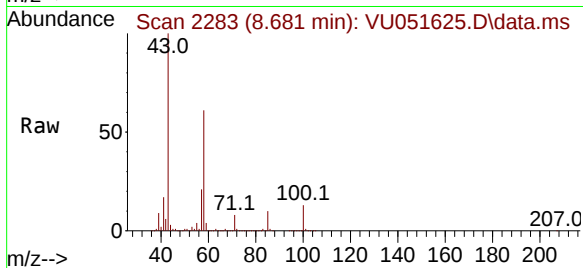




#48  
2-Hexanone  
Concen: 56.968 ug/L  
RT: 8.681 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

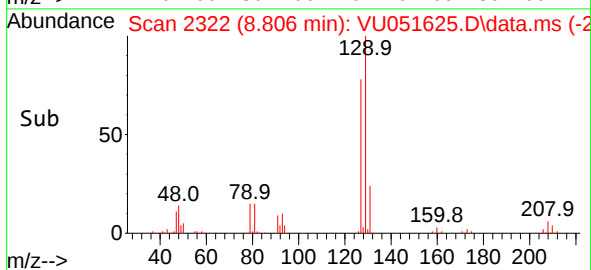
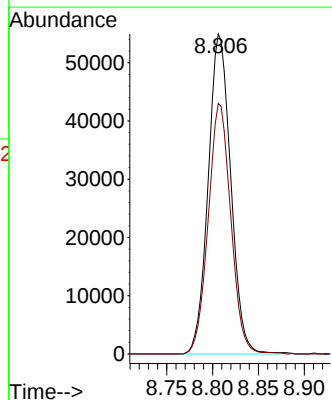
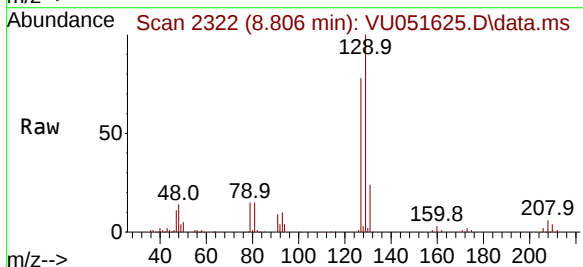
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

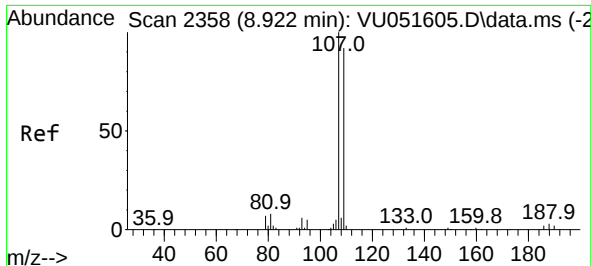
Tgt Ion: 43 Resp: 451147  
Ion Ratio Lower Upper  
43 100  
58 60.7 48.2 72.2  
57 20.8 16.6 25.0  
100 12.8 10.2 15.2



#49  
Dibromochloromethane  
Concen: 5.263 ug/L  
RT: 8.806 min Scan# 2322  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 129 Resp: 93983  
Ion Ratio Lower Upper  
129 100  
127 78.3 54.8 101.8

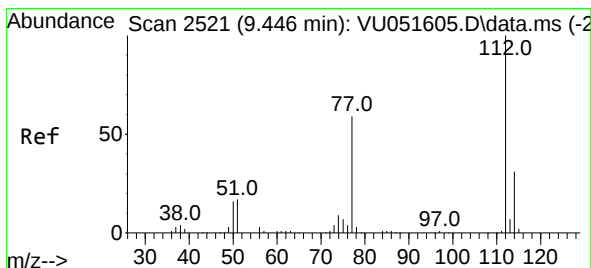
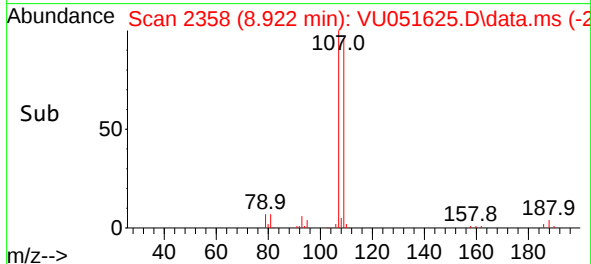
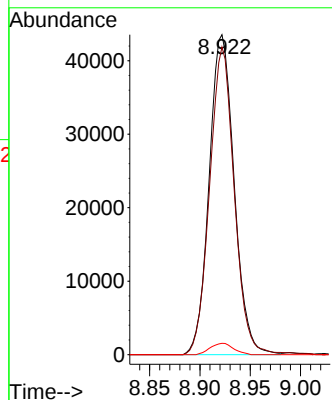
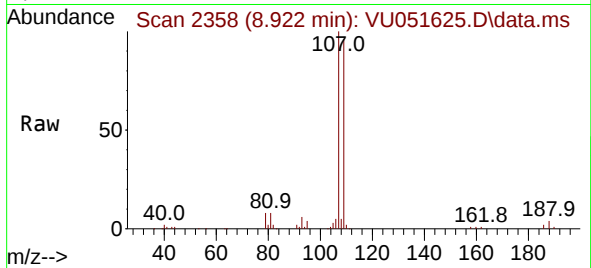




#50  
1,2-Dibromoethane  
Concen: 5.347 ug/L  
RT: 8.922 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

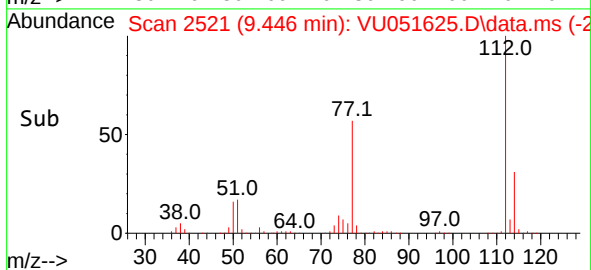
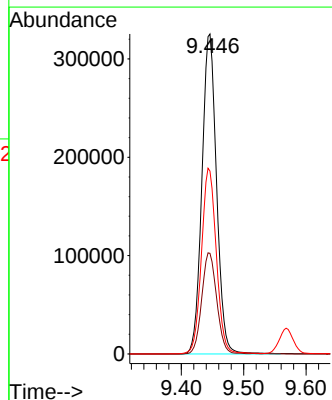
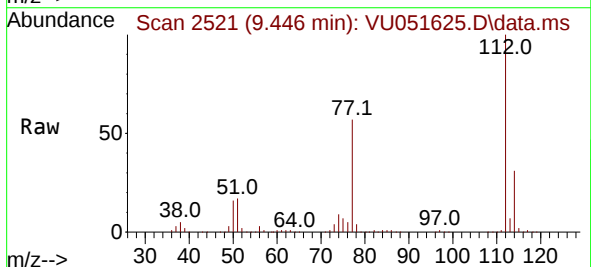
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

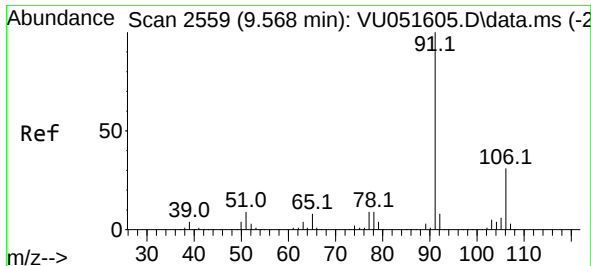
Tgt Ion:107 Resp: 75401  
Ion Ratio Lower Upper  
107 100  
109 96.2 63.0 117.0  
188 3.6 3.0 4.4



#51  
Chlorobenzene  
Concen: 9.926 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion:112 Resp: 532102  
Ion Ratio Lower Upper  
112 100  
114 31.5 22.0 40.8  
77 57.1 46.7 70.1

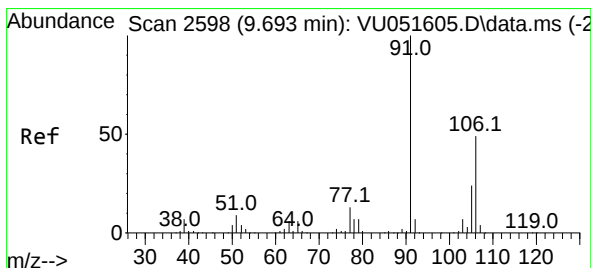
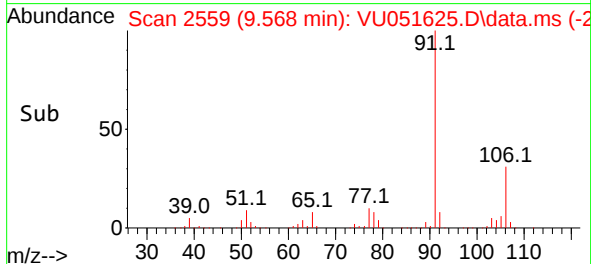
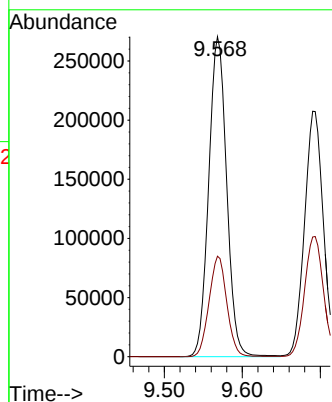
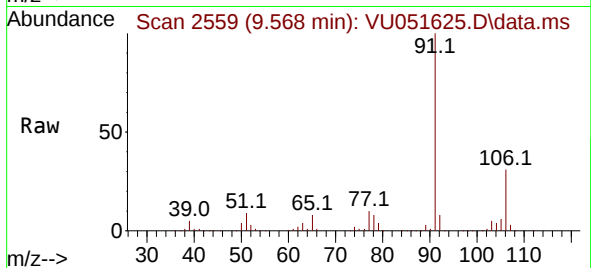




#52  
Ethylbenzene  
Concen: 5.270 ug/L  
RT: 9.568 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

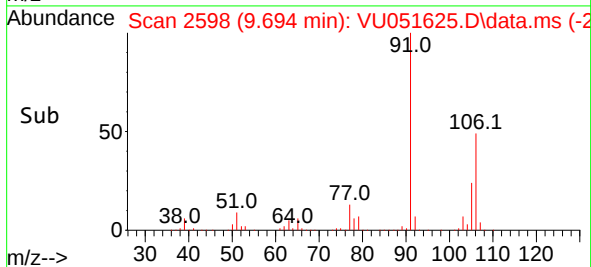
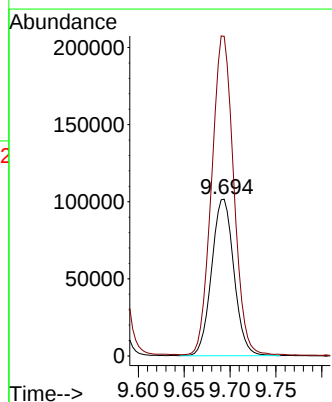
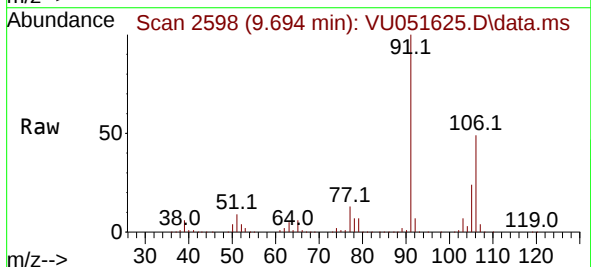
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

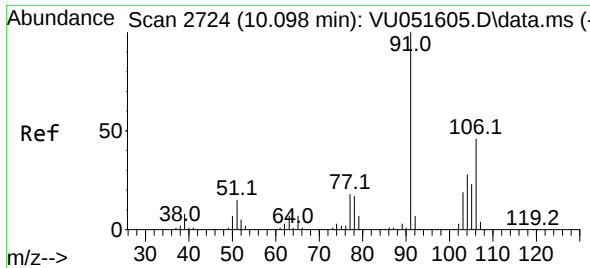
Tgt Ion: 91 Resp: 433117  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.8 40.6



#53  
m,p-Xylene  
Concen: 5.371 ug/L  
RT: 9.694 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 106 Resp: 171433  
Ion Ratio Lower Upper  
106 100  
91 203.8 139.4 259.0

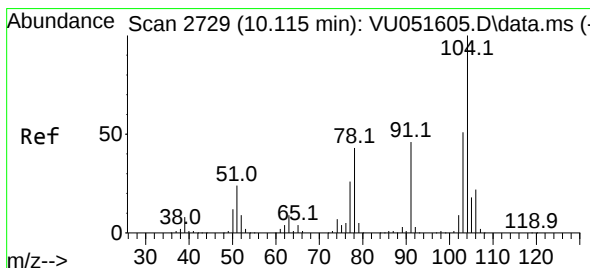
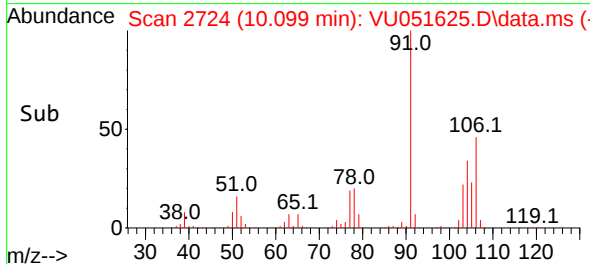
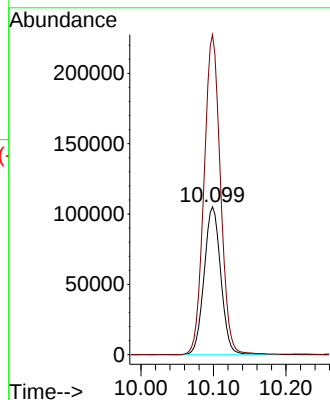
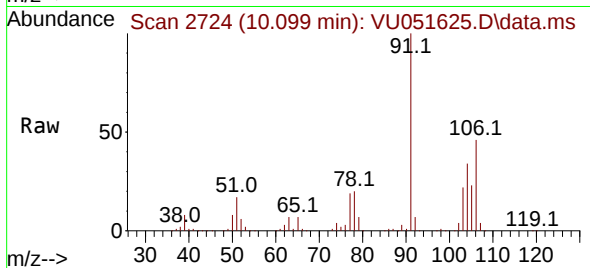




#54  
o-Xylene  
Concen: 5.390 ug/L  
RT: 10.099 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

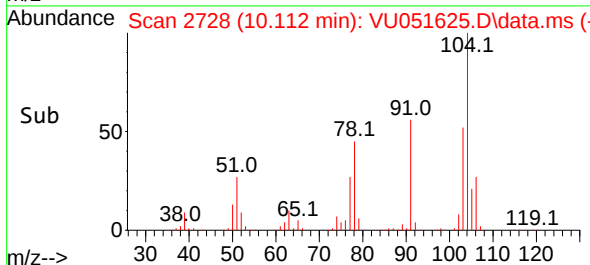
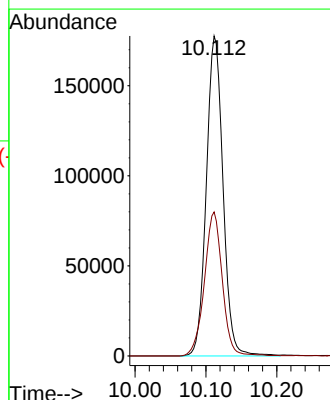
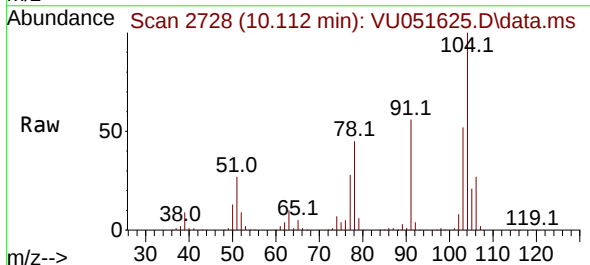
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

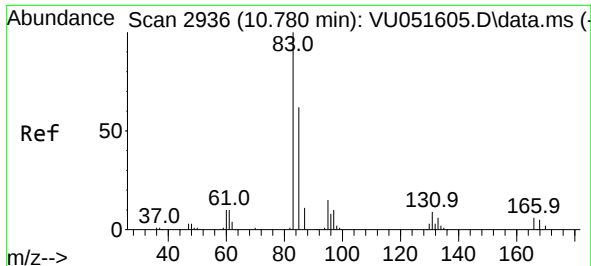
Tgt Ion:106 Resp: 168141  
Ion Ratio Lower Upper  
106 100  
91 216.4 149.2 277.2



#55  
Styrene  
Concen: 5.580 ug/L  
RT: 10.112 min Scan# 2728  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion:104 Resp: 291034  
Ion Ratio Lower Upper  
104 100  
78 45.0 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.622 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

DBWW9MSD

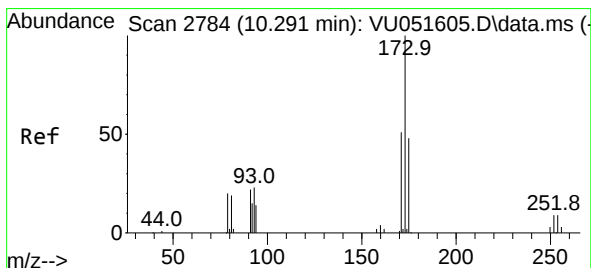
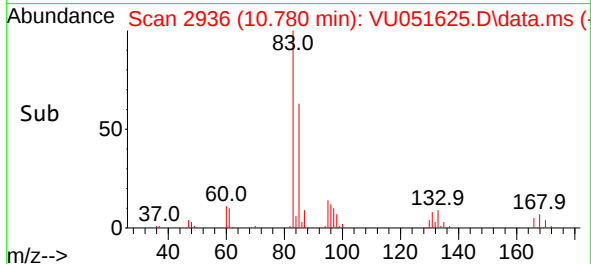
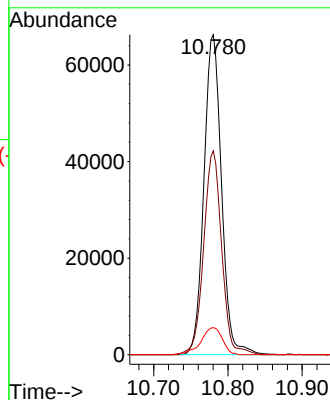
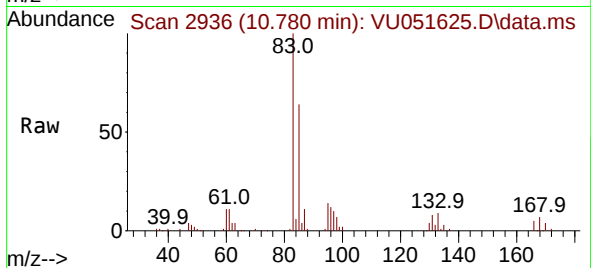
Tgt Ion: 83 Resp: 108970

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

131 8.5 7.8 11.8



#59

Bromoform

Concen: 5.187 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

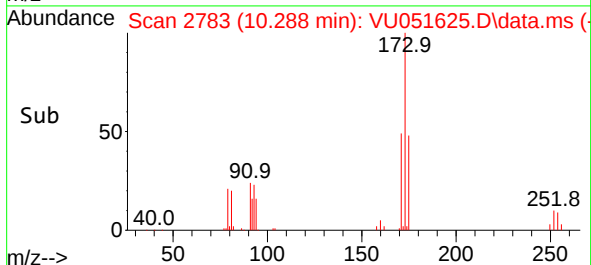
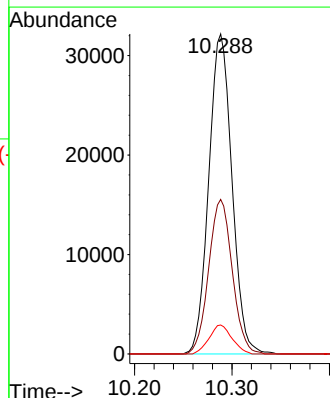
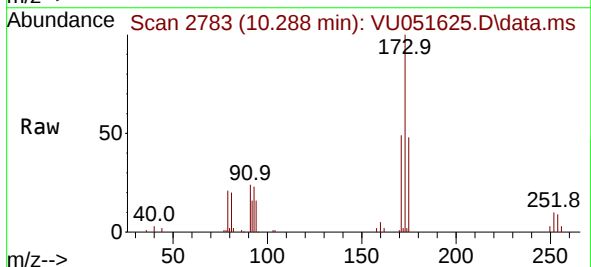
Tgt Ion: 173 Resp: 53215

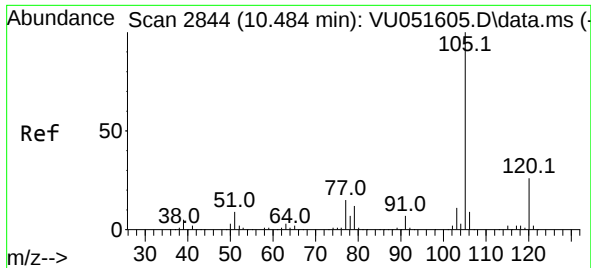
Ion Ratio Lower Upper

173 100

175 49.0 38.7 58.1

254 8.9 7.3 10.9

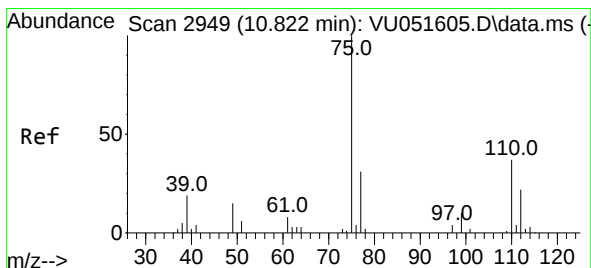
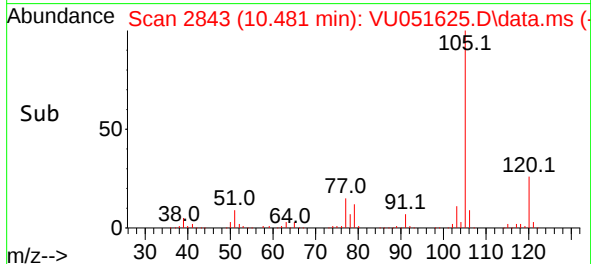
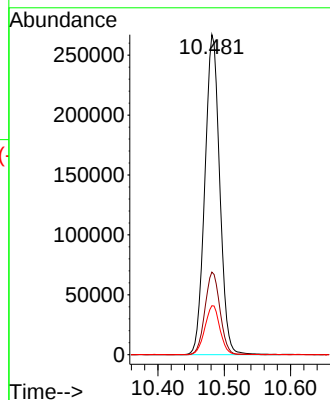
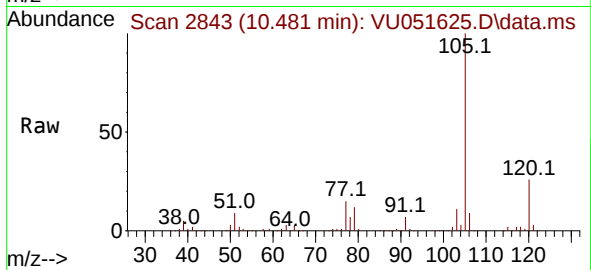




#60  
Isopropylbenzene  
Concen: 5.130 ug/L  
RT: 10.481 min Scan# 2844  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

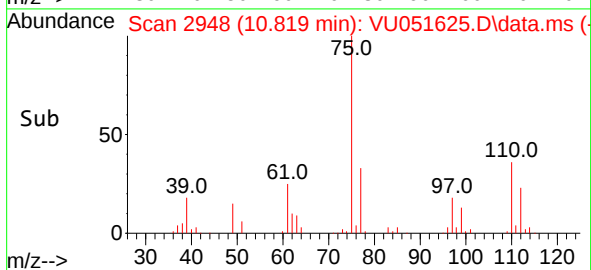
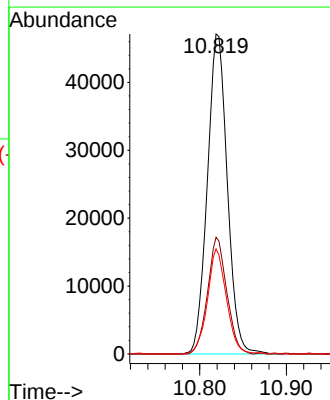
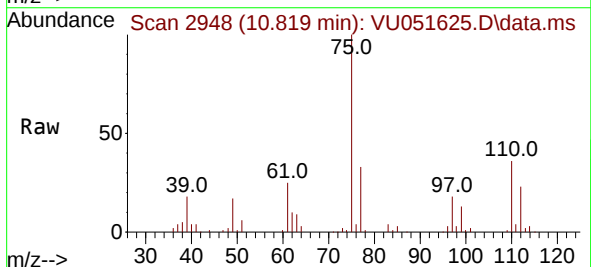
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

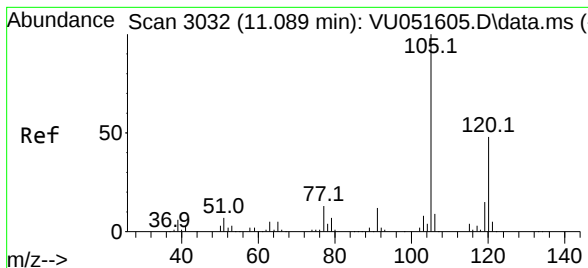
Tgt Ion:105 Resp: 415823  
Ion Ratio Lower Upper  
105 100  
120 26.2 20.9 31.3  
77 15.6 12.3 18.5



#61  
1,2,3-Trichloropropane  
Concen: 5.256 ug/L  
RT: 10.819 min Scan# 2948  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion: 75 Resp: 75463  
Ion Ratio Lower Upper  
75 100  
110 35.0 28.7 43.1  
77 31.3 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 4.777 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

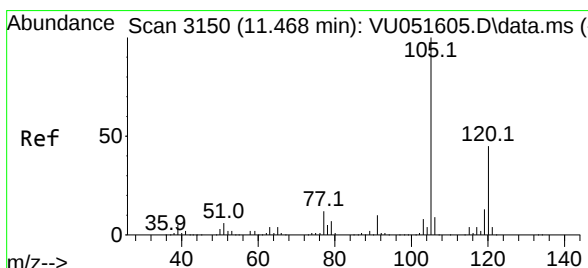
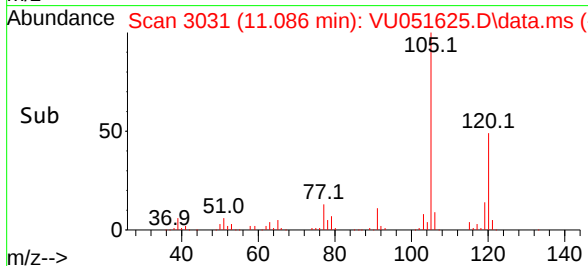
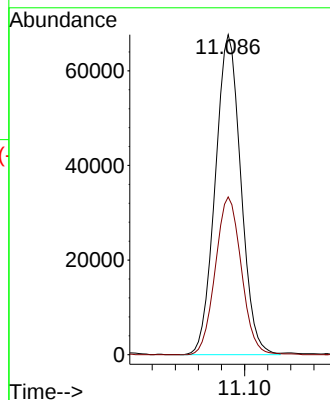
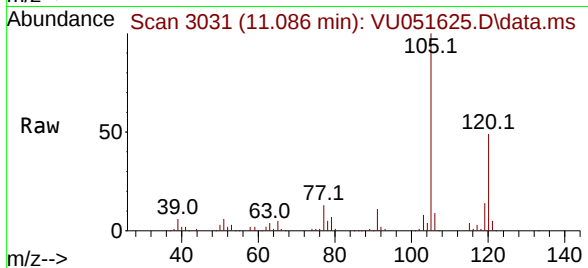
DBWW9MSD

Tgt Ion:105 Resp: 104234

Ion Ratio Lower Upper

105 100

120 50.1 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 4.888 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU051625.D

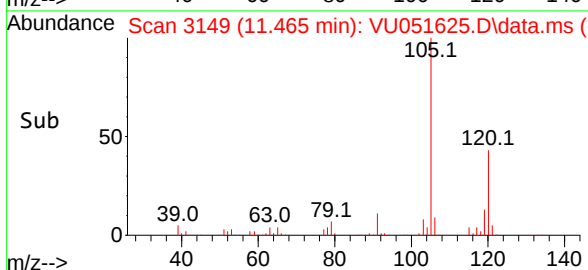
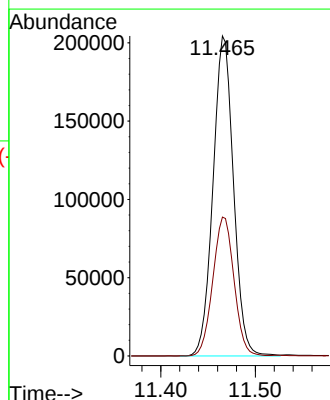
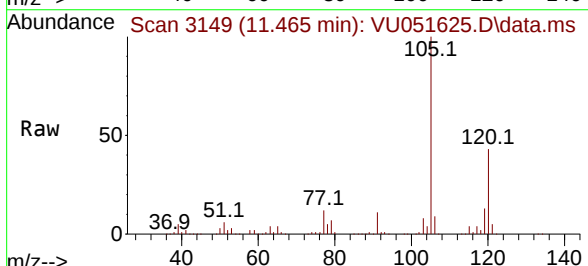
Acq: 31 Oct 2022 20:55

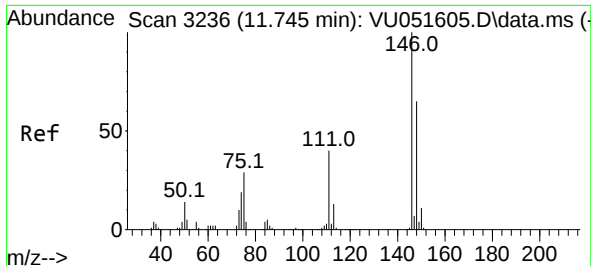
Tgt Ion:105 Resp: 307551

Ion Ratio Lower Upper

105 100

120 44.9 35.8 53.6

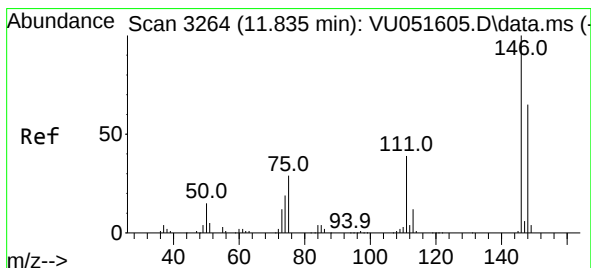
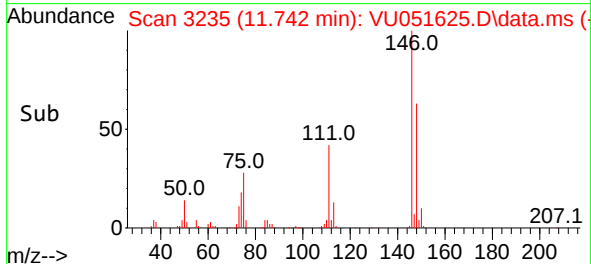
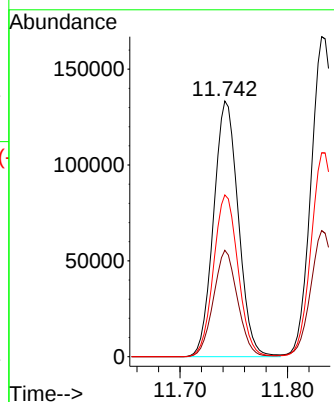
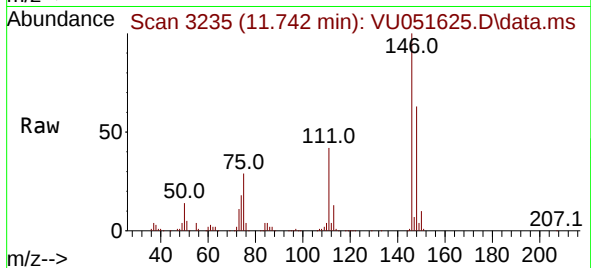




#64  
 1,3-Dichlorobenzene  
 Concen: 5.286 ug/L  
 RT: 11.742 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

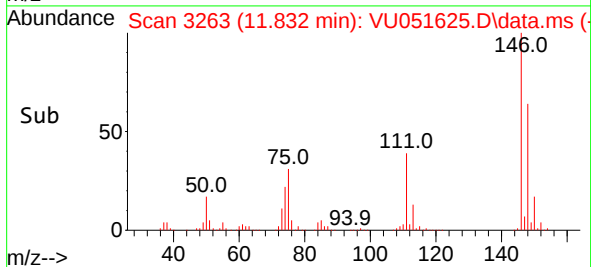
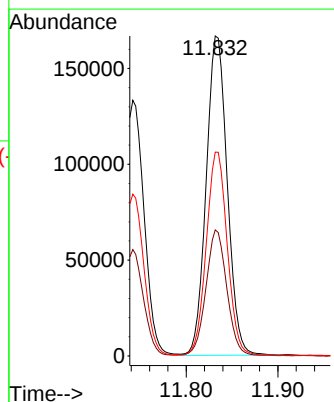
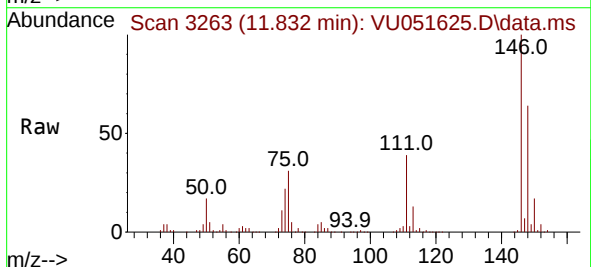
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9MSD

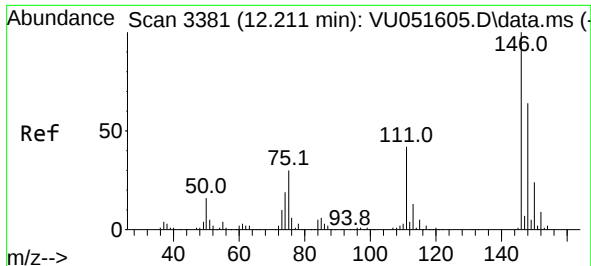
Tgt Ion:146 Resp: 213280  
 Ion Ratio Lower Upper  
 146 100  
 111 41.6 28.6 53.2  
 148 63.3 44.7 82.9



#65  
 1,4-Dichlorobenzene  
 Concen: 6.565 ug/L  
 RT: 11.832 min Scan# 3263  
 Delta R.T. -0.003 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

Tgt Ion:146 Resp: 265602  
 Ion Ratio Lower Upper  
 146 100  
 111 39.4 26.7 49.5  
 148 63.7 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.949 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

Instrument :

MSVOA\_U

ClientSampleId :

DBWW9MSD

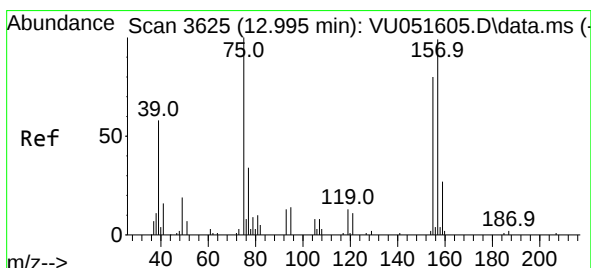
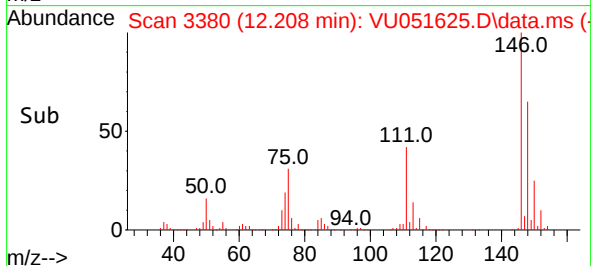
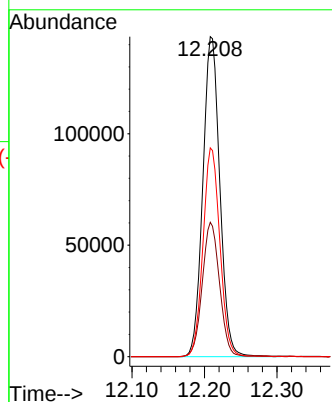
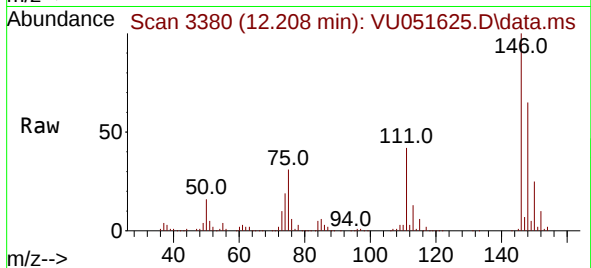
Tgt Ion:146 Resp: 233814

Ion Ratio Lower Upper

146 100

111 42.0 34.2 51.2

148 65.3 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.301 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051625.D

Acq: 31 Oct 2022 20:55

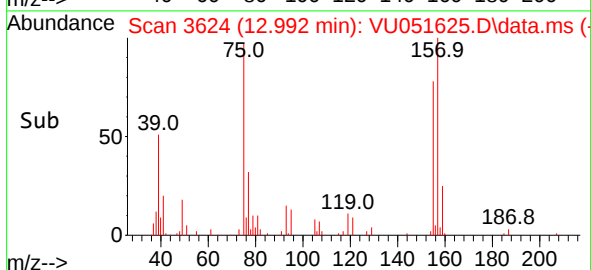
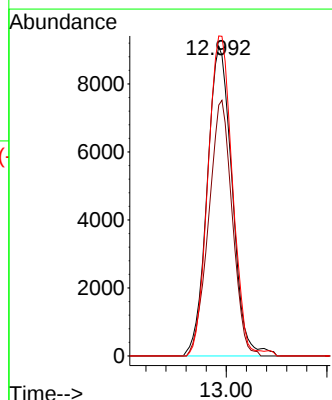
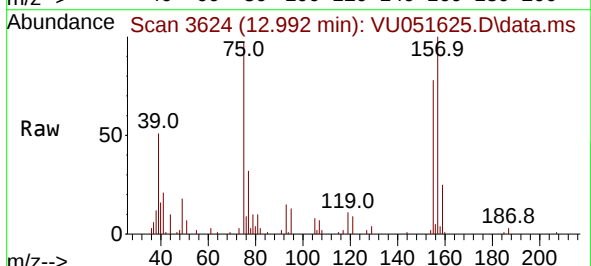
Tgt Ion: 75 Resp: 15671

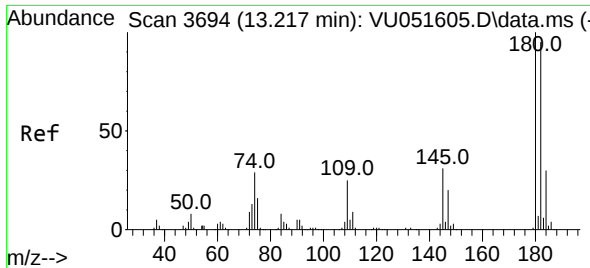
Ion Ratio Lower Upper

75 100

155 81.0 61.4 92.2

157 103.4 86.7 130.1

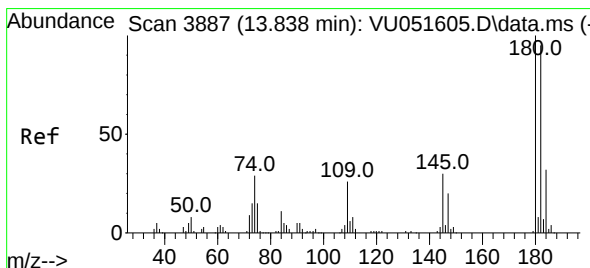
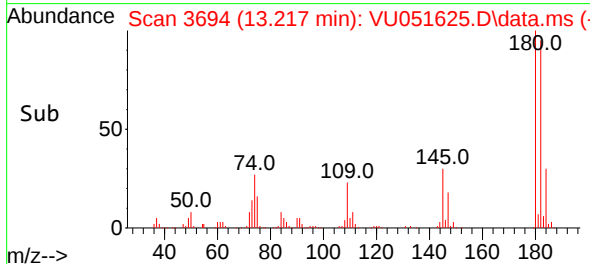
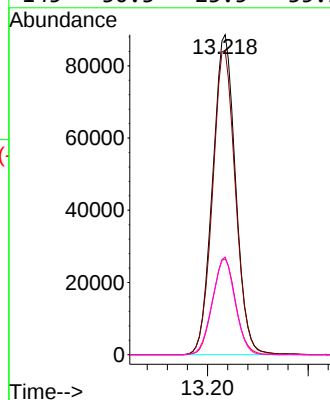
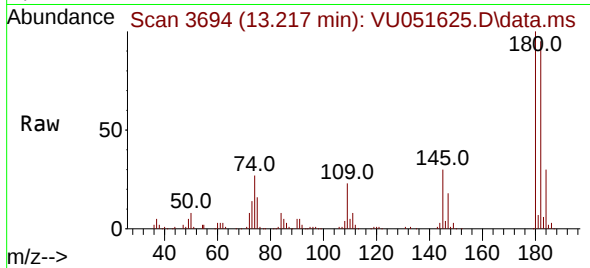




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.870 ug/L  
 RT: 13.217 min Scan# 3694  
 Delta R.T. 0.000 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

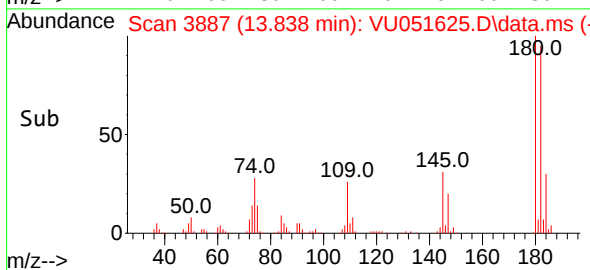
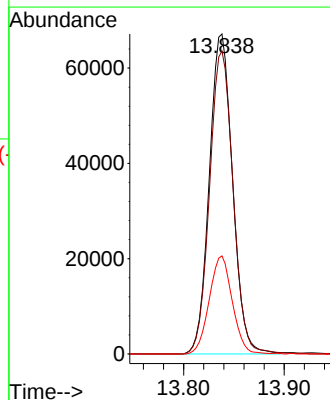
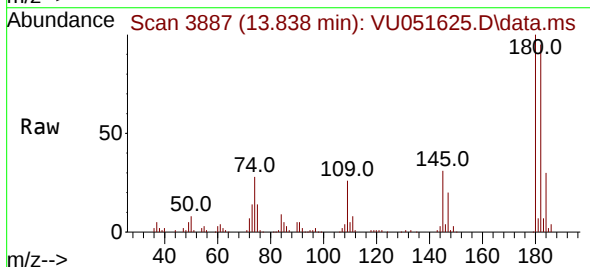
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 ClientSampleId :  
 DBWW9MSD

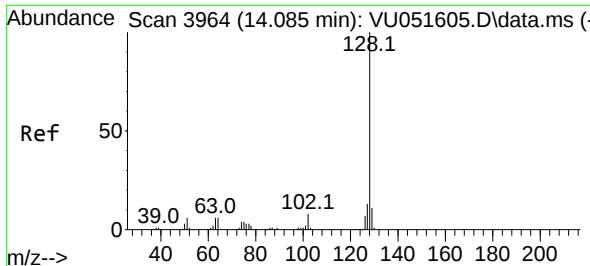
Tgt Ion:180 Resp: 140070  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 77.0 115.6  
 184 30.4 23.7 35.5  
 145 30.3 23.5 35.3



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.890 ug/L  
 RT: 13.838 min Scan# 3887  
 Delta R.T. 0.000 min  
 Lab File: VU051625.D  
 Acq: 31 Oct 2022 20:55

Tgt Ion:180 Resp: 107976  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 77.8 116.6  
 145 30.3 25.0 37.6

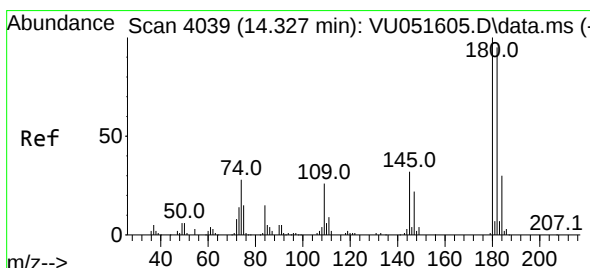
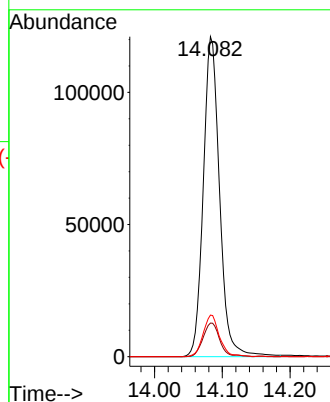
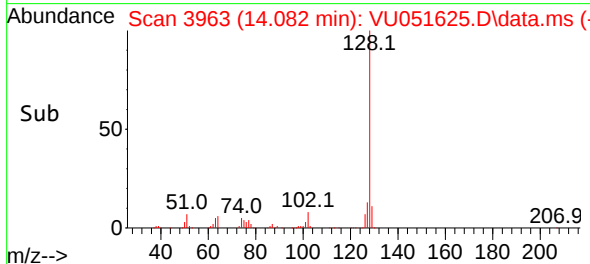
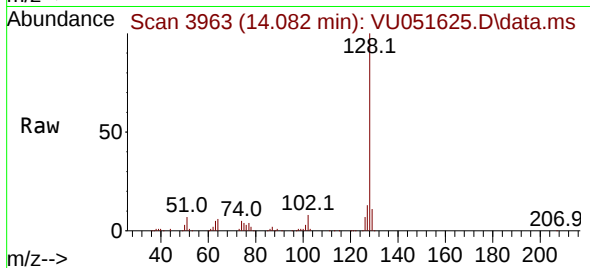




#71  
Naphthalene  
Concen: 4.914 ug/L  
RT: 14.082 min Scan# 3964  
Delta R.T. -0.003 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9MSD

Tgt Ion:128 Resp: 202520  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.4 12.6  
127 13.0 10.3 15.5



#72  
1,2,3-Trichlorobenzene  
Concen: 4.938 ug/L  
RT: 14.327 min Scan# 4039  
Delta R.T. 0.000 min  
Lab File: VU051625.D  
Acq: 31 Oct 2022 20:55

Tgt Ion:180 Resp: 110098  
Ion Ratio Lower Upper  
180 100  
182 96.6 76.1 114.1  
145 31.8 25.6 38.4

