

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111023\  
 Data File : VU056176.D  
 Acq On : 10 Nov 2023 16:55  
 Operator : MD/SY  
 Sample : 05340-22MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDM5MSD

Quant Time: Nov 10 22:23:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 10 22:17:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 383153   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 375328   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 192784   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 98036    | 4.122    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 70447    | 4.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 45631    | 4.355    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.200%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 218080   | 55.895   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.780% |
| 24) Chloroform-d              | 5.055  | 84    | 216938   | 4.792    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 96205    | 4.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 421877   | 4.680    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 128358   | 4.837    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.800%  |
| 41) Toluene-d8                | 7.894  | 98    | 389856   | 4.720    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.400%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 48463    | 4.778    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.600%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 202296   | 60.850   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 121.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 100415   | 5.302    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 137583   | 4.628    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 160097   | 4.927    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 146229   | 4.804    | ug/L   | 94       |
| 5) Vinyl chloride             | 1.602  | 62    | 155921   | 4.951    | ug/L   | 100      |
| 6) Bromomethane               | 1.853  | 94    | 87456    | 4.835    | ug/L   | 99       |
| 8) Chloroethane               | 1.930  | 64    | 82524    | 4.833    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 212648   | 5.106    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 136134   | 5.131    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 127941   | 5.195    | ug/L   | 96       |
| 13) Acetone                   | 2.631  | 43    | 178139   | 61.910   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.788  | 76    | 409023   | 4.874    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.946  | 43    | 39234    | 4.832    | ug/L   | 98       |
| 16) Methylene chloride        | 3.039  | 84    | 138468   | 4.904    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 296511   | 5.344    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 134884   | 5.169    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 244906   | 5.145    | ug/L   | 93       |
| 21) 2-Butanone                | 4.702  | 43    | 269477   | 56.788   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 154190   | 5.474    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 64962    | 5.197    | ug/L   | 99       |
| 25) Chloroform                | 5.081  | 83    | 261401   | 5.153    | ug/L   | 100      |

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 Sample : 05340-22MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

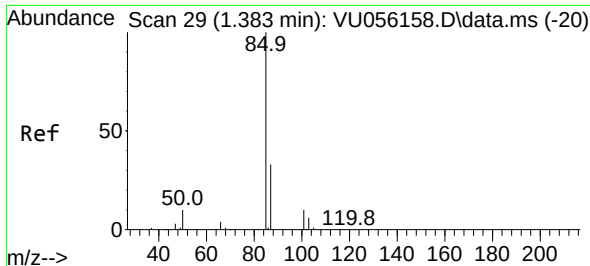
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDM5MSD

Quant Time: Nov 10 22:23:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 10 22:17:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 150235   | 5.233  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 227447   | 5.290  | ug/L  | 98       |
| 30) Cyclohexane               | 5.383  | 56   | 203153   | 5.057  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 196047   | 5.135  | ug/L  | 99       |
| 33) Benzene                   | 5.769  | 78   | 567224   | 5.278  | ug/L  | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 206703   | 7.041  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 220221   | 5.048  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 146843   | 5.254  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 175452   | 5.027  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 207315   | 5.256  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 692976   | 56.688 | ug/L  | 99       |
| 42) Toluene                   | 7.965  | 91   | 601952   | 5.313  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 167755   | 5.253  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 104237   | 5.456  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.550  | 164  | 125439   | 5.694  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.679  | 43   | 512909   | 57.628 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.804  | 129  | 116238   | 5.302  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 98851    | 5.537  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.444  | 112  | 386501   | 5.288  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 655255   | 5.307  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.689  | 106  | 253085   | 5.390  | ug/L  | 99       |
| 54) o-Xylene                  | 10.097 | 106  | 245674   | 5.458  | ug/L  | 98       |
| 55) Styrene                   | 10.110 | 104  | 407580   | 5.535  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 125330   | 5.582  | ug/L  | 100      |
| 59) Bromoform                 | 10.287 | 173  | 69666    | 5.203  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.479 | 105  | 652439   | 5.220  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 87144    | 5.237  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 529300   | 5.222  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 525450   | 5.284  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 311387   | 5.260  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 305102   | 5.212  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 286722   | 5.256  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 18401    | 5.242  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 232728   | 5.249  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 195547   | 5.559  | ug/L  | 97       |
| 71) Naphthalene               | 14.081 | 128  | 298236   | 5.716  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 171584   | 5.564  | ug/L  | 98       |

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

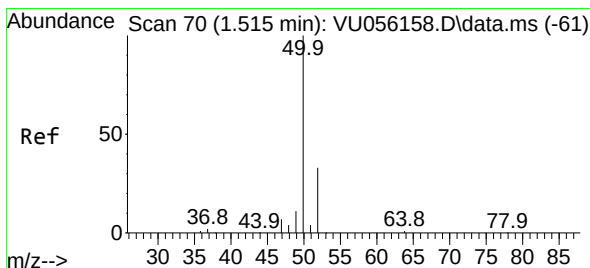
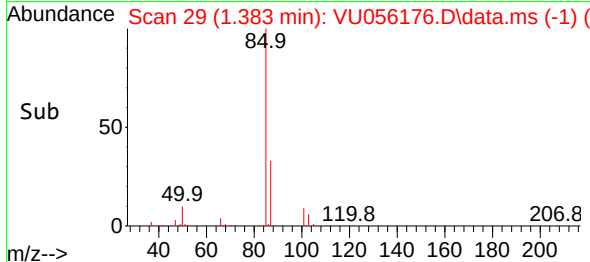
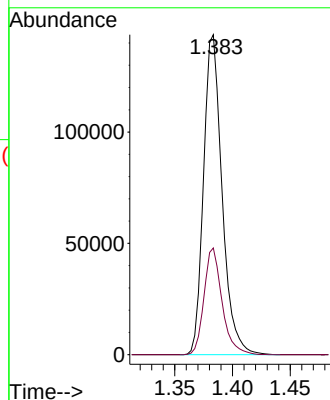
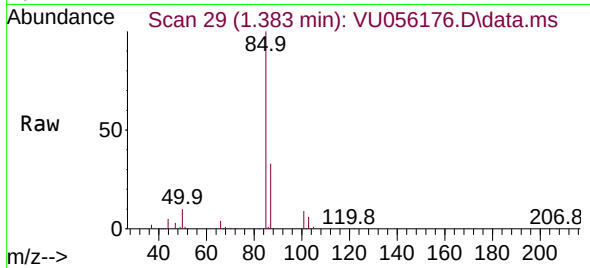




#2  
 Dichlorodifluoromethane  
 Concen: 4.927 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

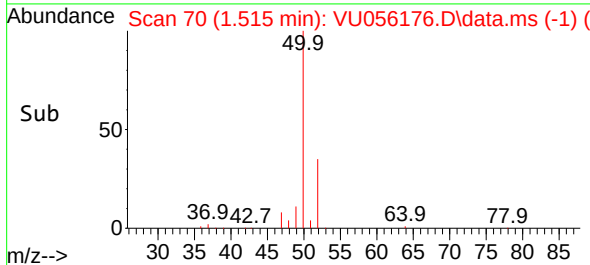
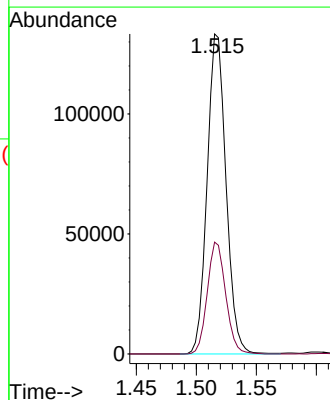
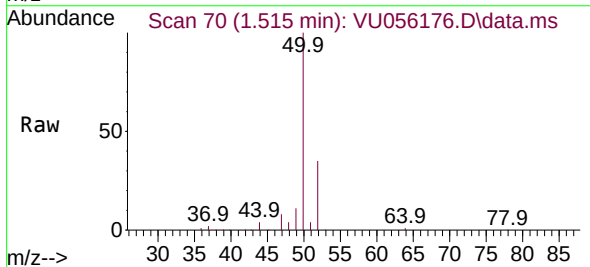
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDM5MSD

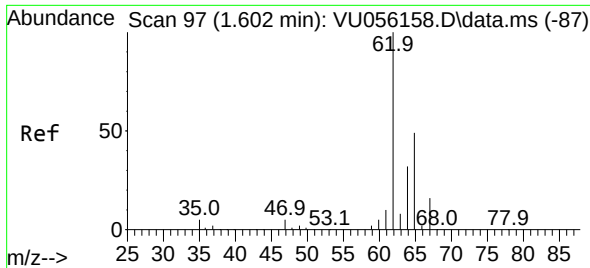
Tgt Ion: 85 Resp: 160097  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.4 39.6



#3  
 Chloromethane  
 Concen: 4.804 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

Tgt Ion: 50 Resp: 146229  
 Ion Ratio Lower Upper  
 50 100  
 52 35.0 22.2 41.2

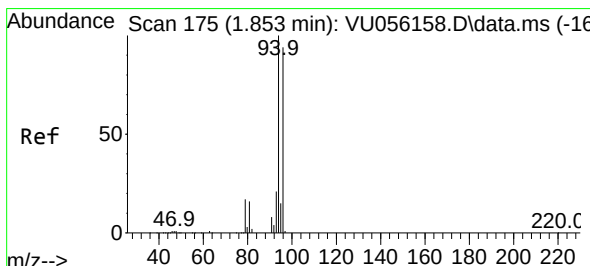
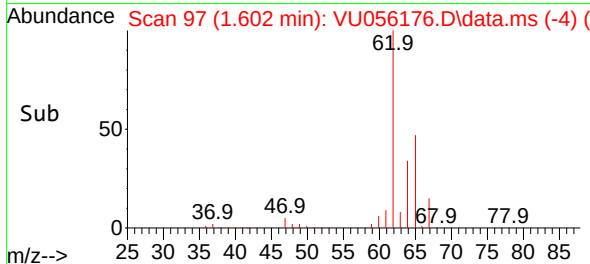
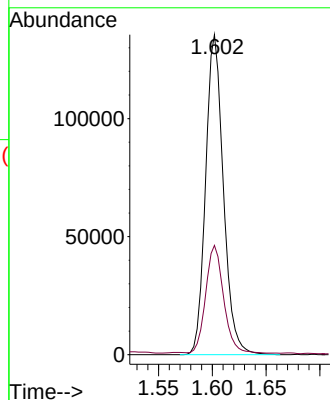
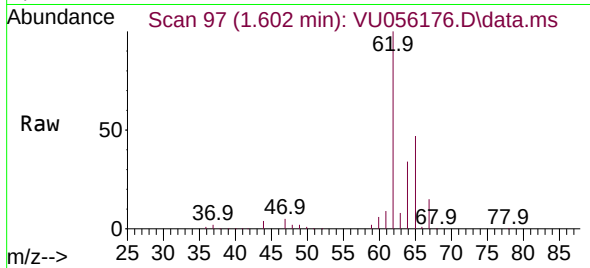




#5  
 Vinyl chloride  
 Concen: 4.951 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

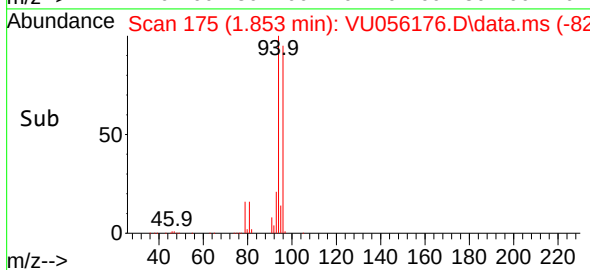
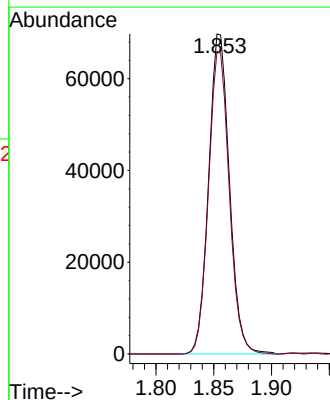
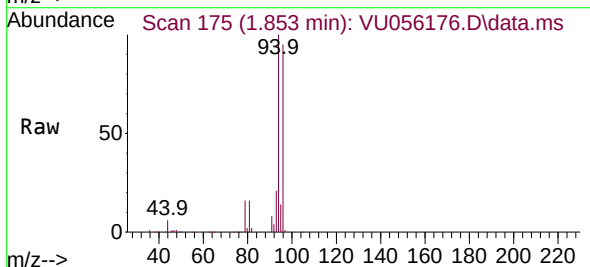
Instrument :  
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 ClientSampleId :  
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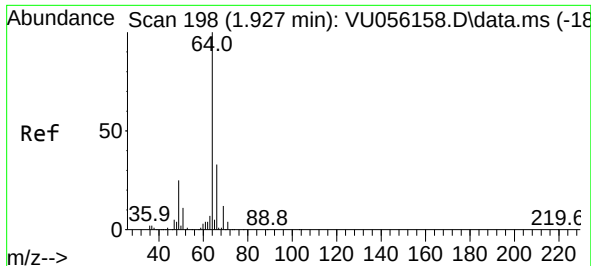
Tgt Ion: 62 Resp: 155921  
 Ion Ratio Lower Upper  
 62 100  
 64 34.1 24.1 44.7



#6  
 Bromomethane  
 Concen: 4.835 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

Tgt Ion: 94 Resp: 87456  
 Ion Ratio Lower Upper  
 94 100  
 96 94.6 65.6 121.8

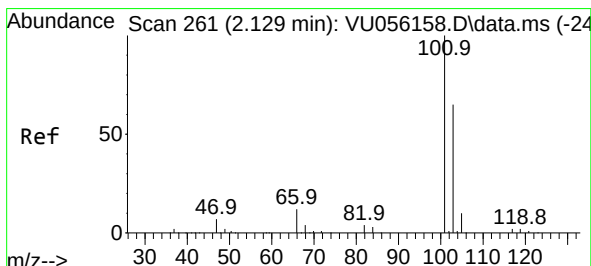
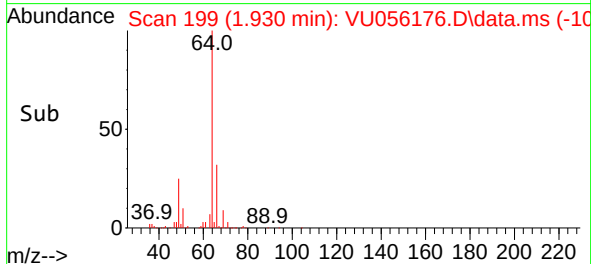
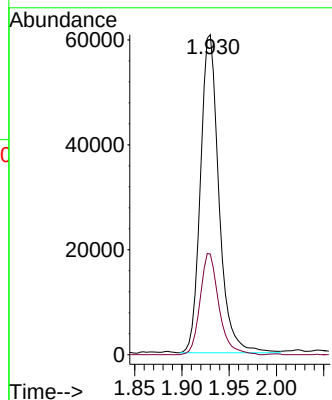
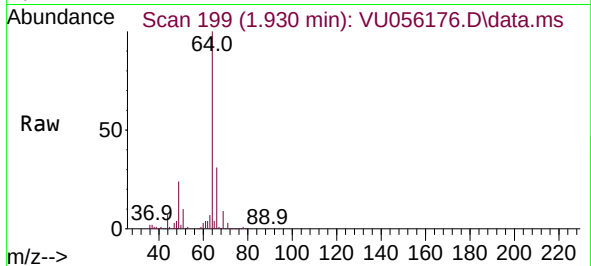




#8  
Chloroethane  
Concen: 4.833 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. 0.003 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

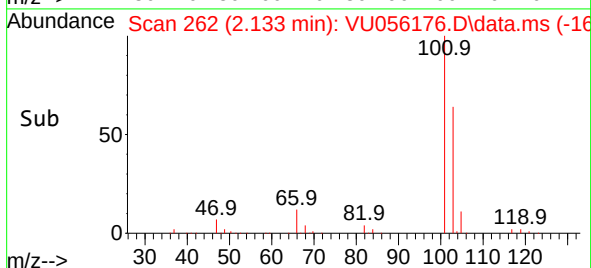
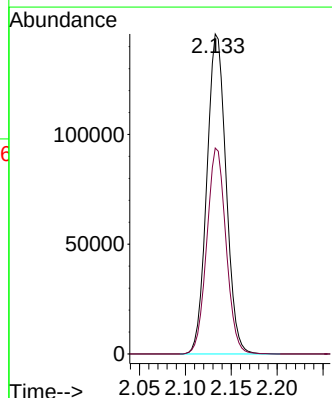
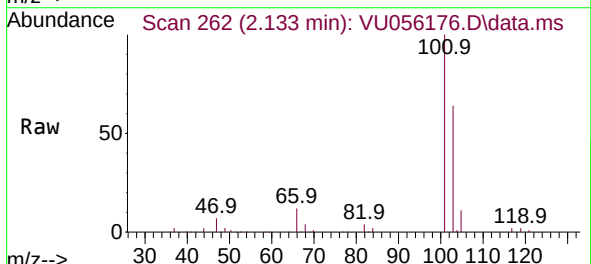
Instrument :  
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ClientSampleId :  
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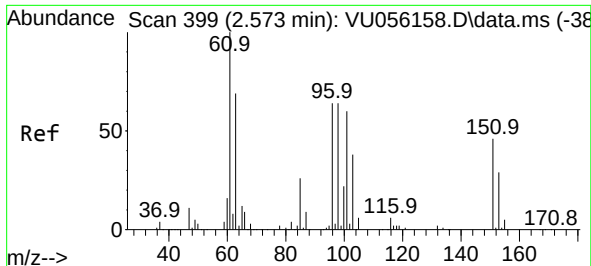
Tgt Ion: 64 Resp: 82524  
Ion Ratio Lower Upper  
64 100  
66 31.5 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 5.106 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. 0.003 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 101 Resp: 212648  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.8 77.6

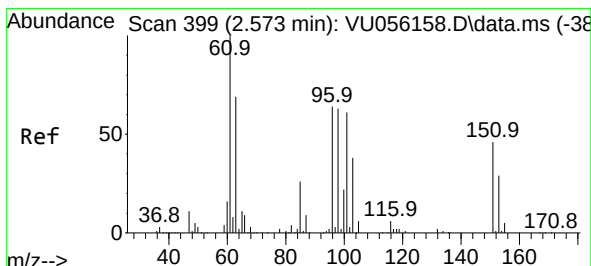
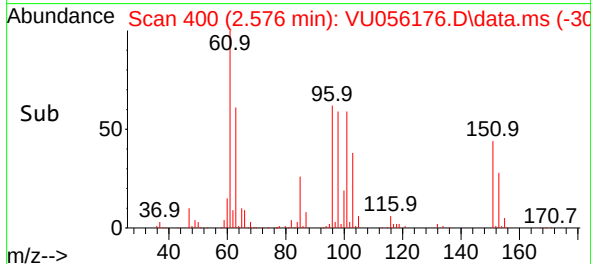
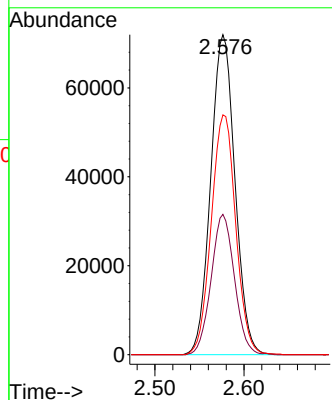
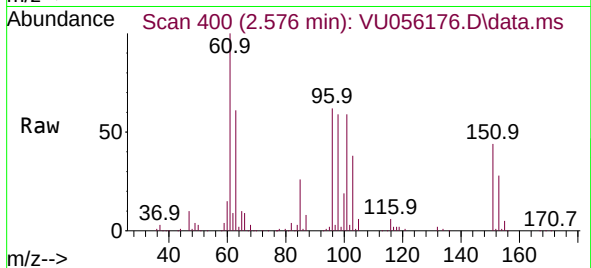




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.131 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.003 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

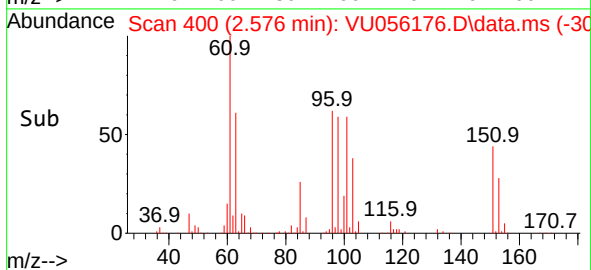
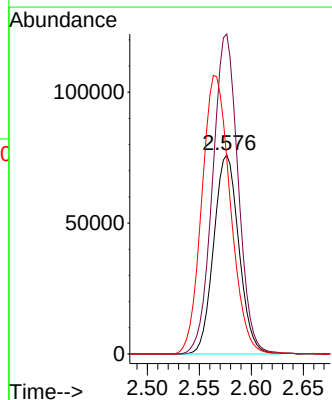
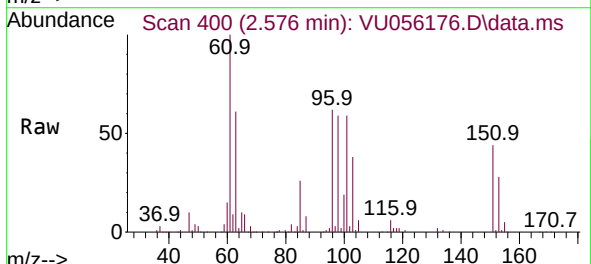
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDM5MSD

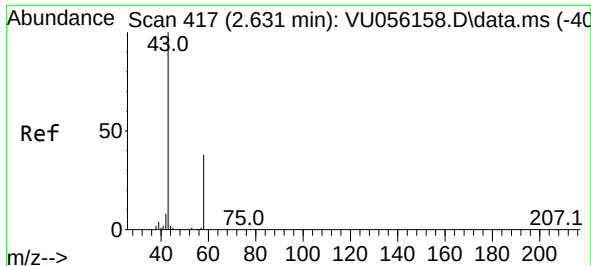
Tgt Ion:101 Resp: 136134  
 Ion Ratio Lower Upper  
 101 100  
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 151 75.8 59.3 88.9



#12  
 1,1-Dichloroethene  
 Concen: 5.195 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.003 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

Tgt Ion: 96 Resp: 127941  
 Ion Ratio Lower Upper  
 96 100  
 61 160.7 111.7 207.5  
 63 98.3 74.5 138.3





#13

Acetone

Concen: 61.910 ug/L

RT: 2.631 min Scan# 417

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

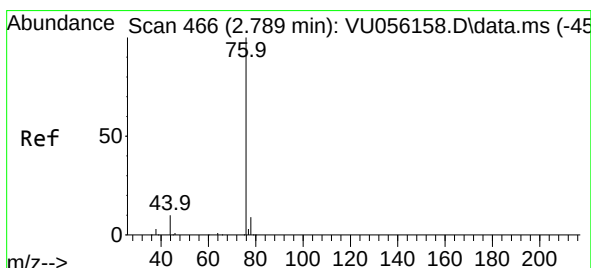
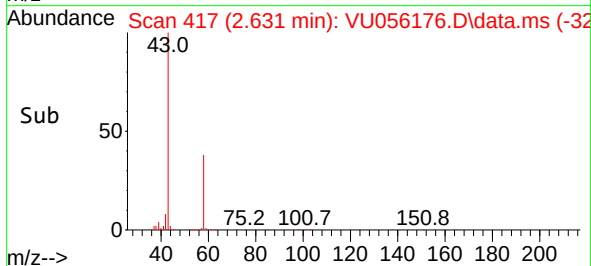
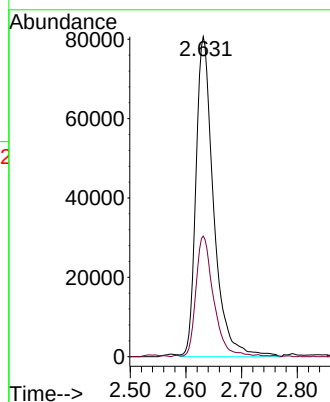
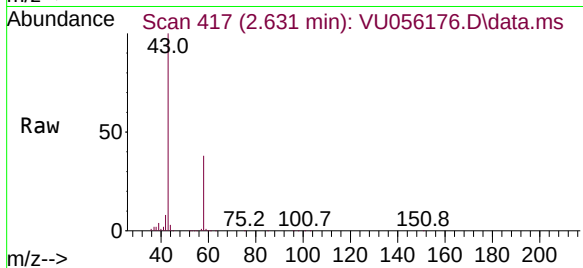
GCDM5MSD

Tgt Ion: 43 Resp: 178139

Ion Ratio Lower Upper

43 100

58 36.8 0.0 74.4



#14

Carbon disulfide

Concen: 4.874 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056176.D

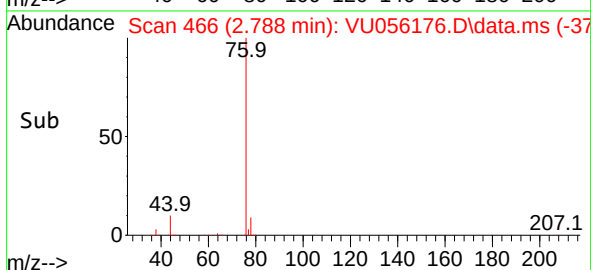
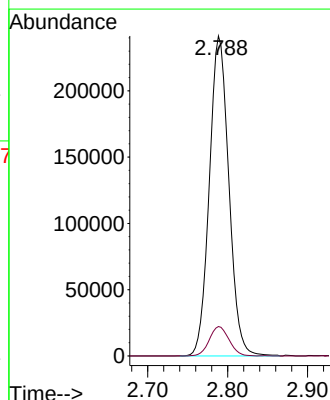
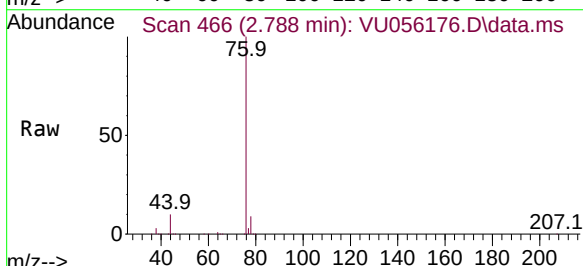
Acq: 10 Nov 2023 16:55

Tgt Ion: 76 Resp: 409023

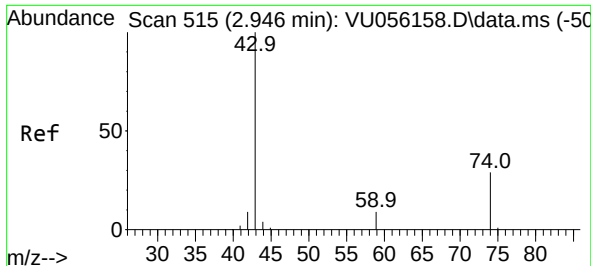
Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



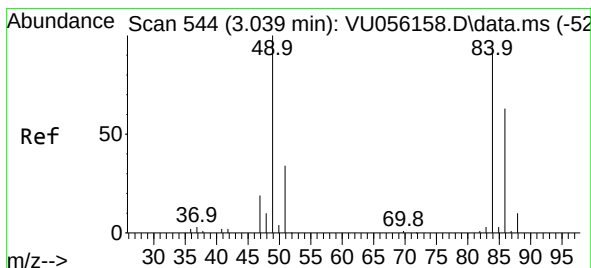
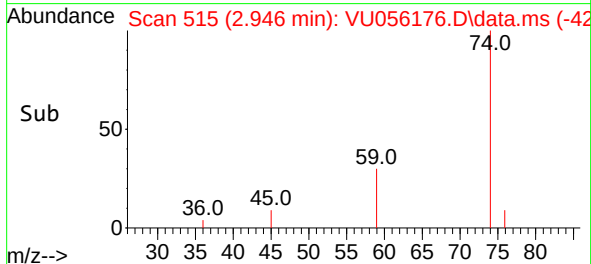
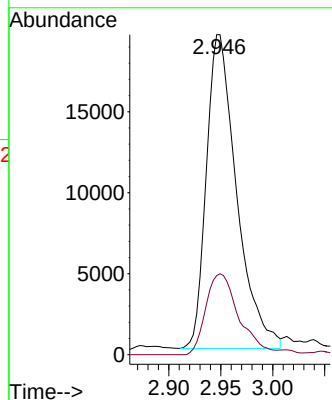
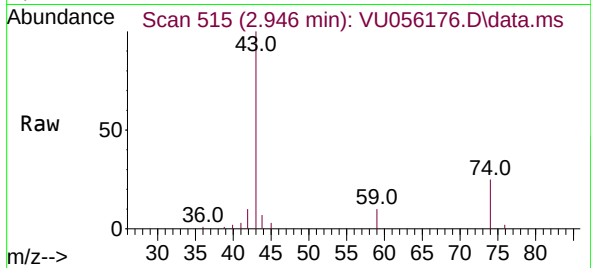




#15  
Methyl Acetate  
Concen: 4.832 ug/L  
RT: 2.946 min Scan# 515  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

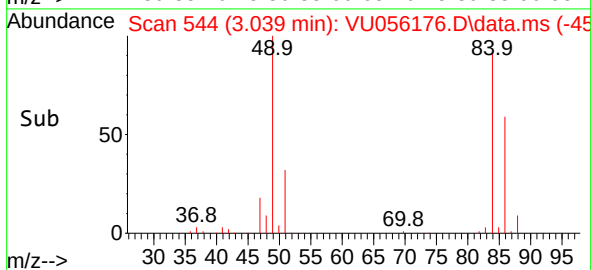
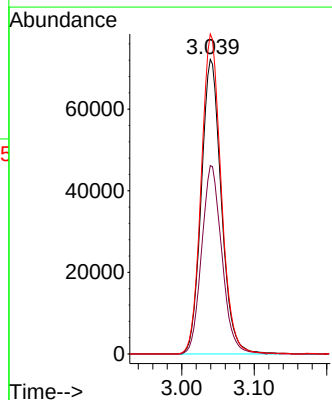
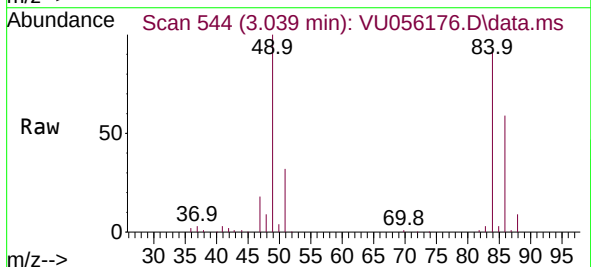
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

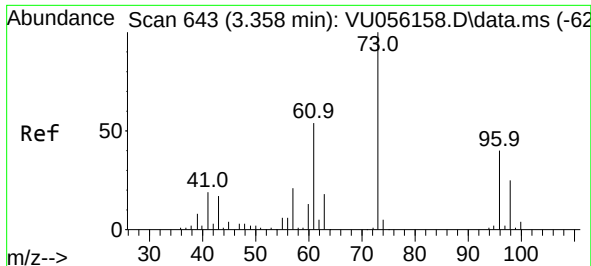
Tgt Ion: 43 Resp: 39234  
Ion Ratio Lower Upper  
43 100  
74 28.1 23.3 34.9



#16  
Methylene chloride  
Concen: 4.904 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 84 Resp: 138468  
Ion Ratio Lower Upper  
84 100  
86 63.9 44.9 83.5  
49 108.6 75.0 139.4

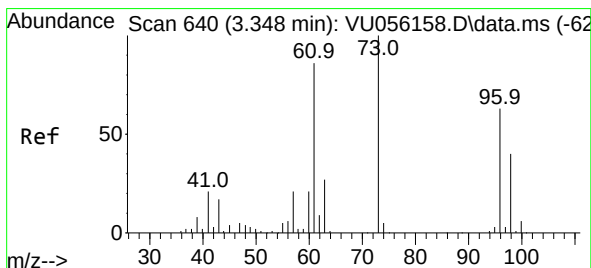
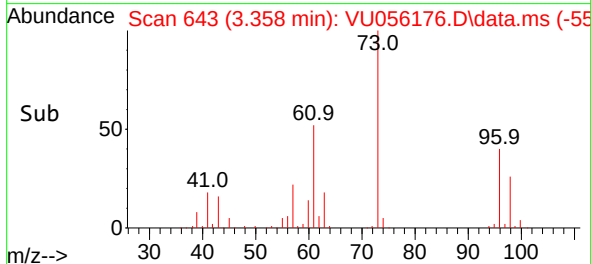
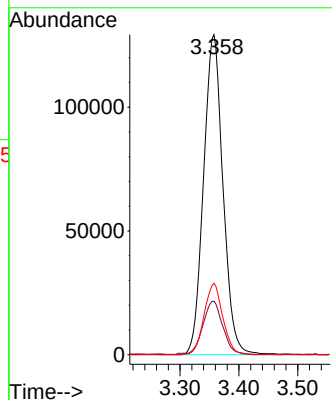
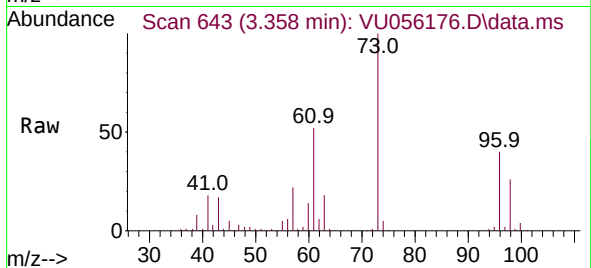




#17  
Methyl tert-butyl Ether  
Concen: 5.344 ug/L  
RT: 3.358 min Scan# 643  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

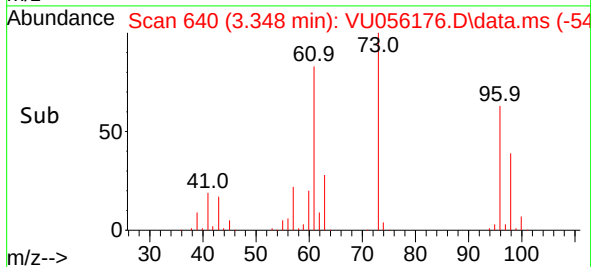
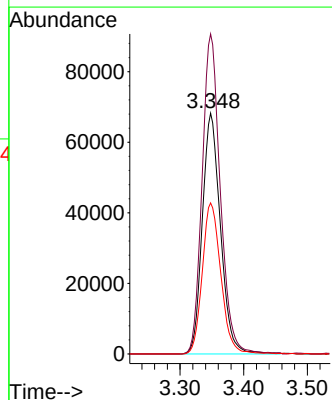
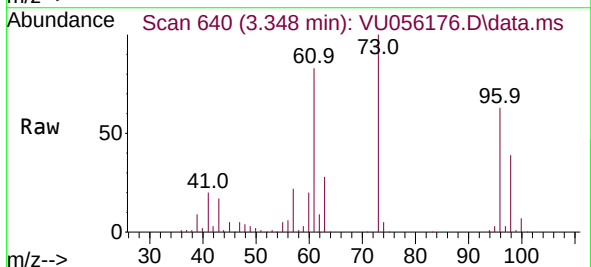
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

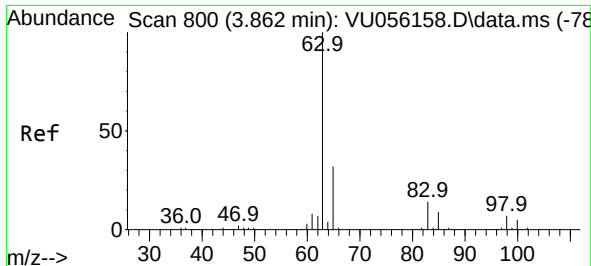
Tgt Ion: 73 Resp: 296511  
Ion Ratio Lower Upper  
73 100  
43 17.1 13.6 20.4  
57 21.5 17.3 25.9



#18  
trans-1,2-Dichloroethene  
Concen: 5.169 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 96 Resp: 134884  
Ion Ratio Lower Upper  
96 100  
61 132.9 96.7 179.5  
98 62.7 44.3 82.3





#19

1,1-Dichloroethane

Concen: 5.145 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

GCDM5MSD

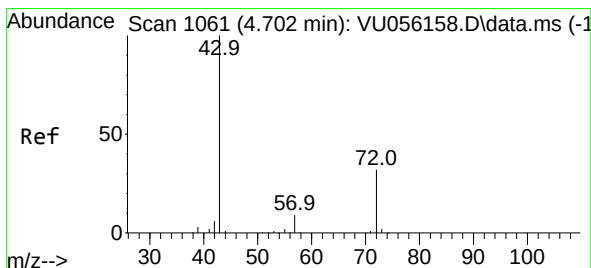
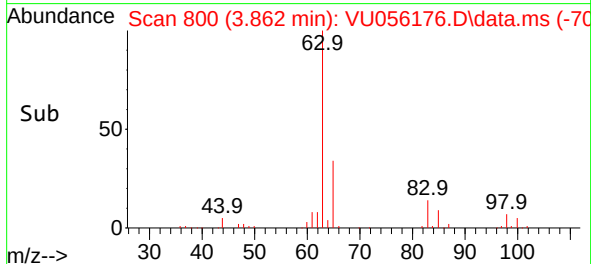
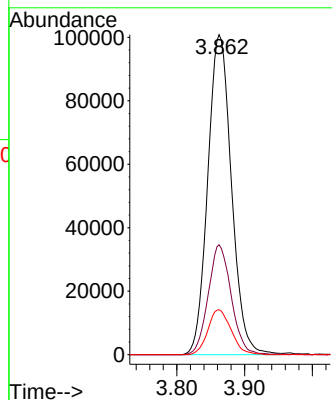
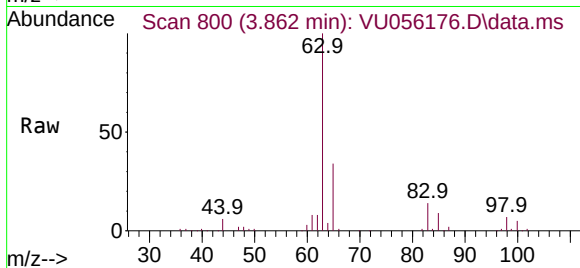
Tgt Ion: 63 Resp: 244906

Ion Ratio Lower Upper

63 100

65 34.4 20.6 38.2

83 14.0 9.6 17.8



#21

2-Butanone

Concen: 56.788 ug/L

RT: 4.702 min Scan# 1061

Delta R.T. -0.000 min

Lab File: VU056176.D

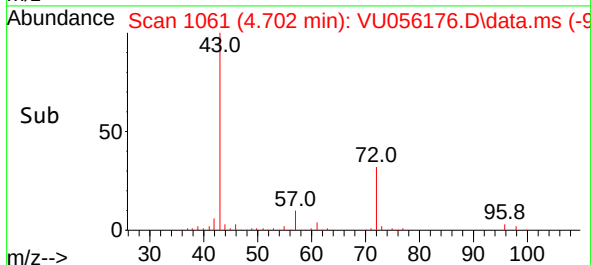
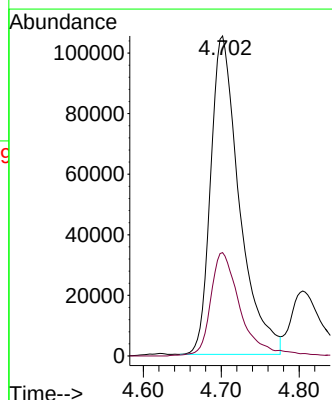
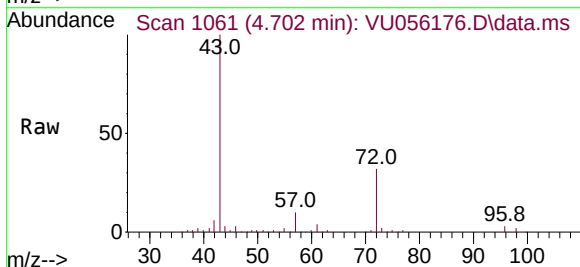
Acq: 10 Nov 2023 16:55

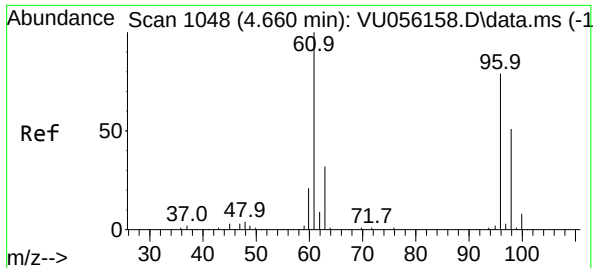
Tgt Ion: 43 Resp: 269477

Ion Ratio Lower Upper

43 100

72 33.8 15.7 47.0

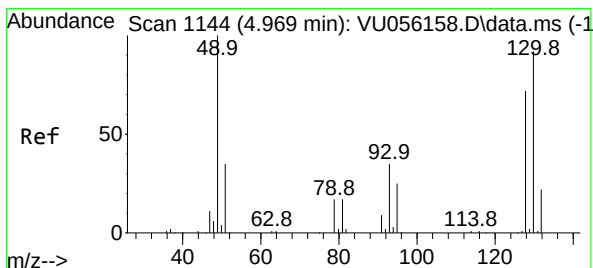
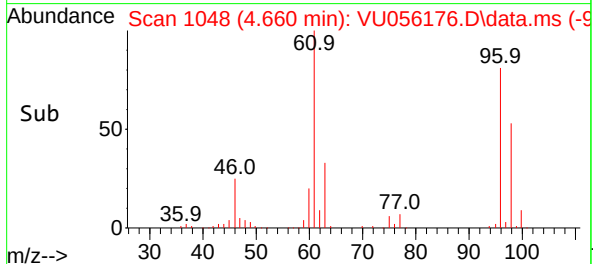
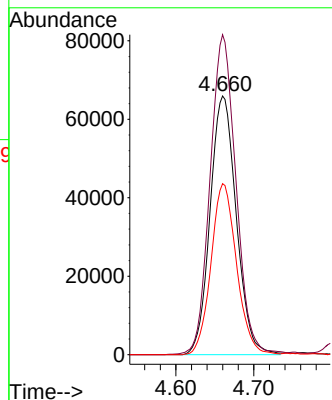
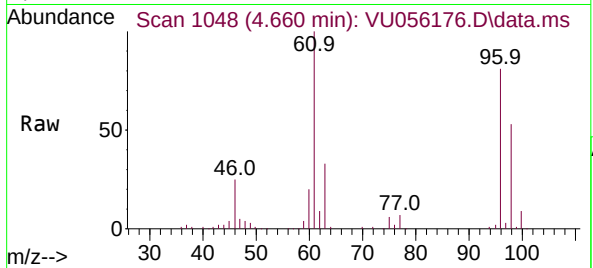




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.474 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

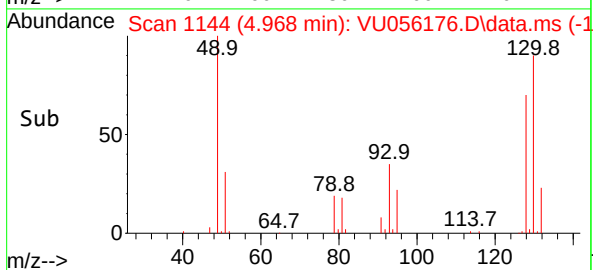
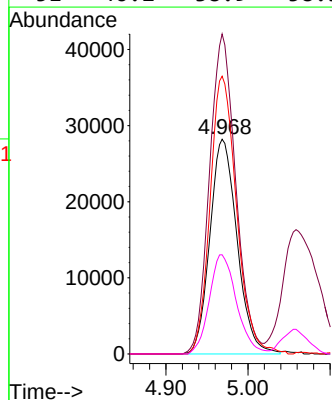
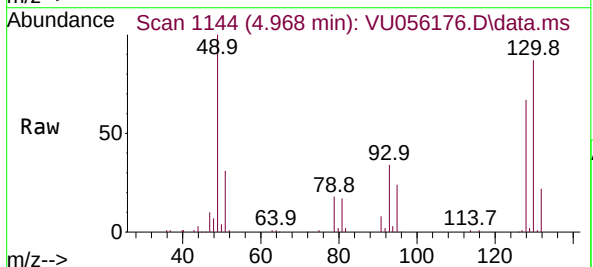
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDM5MSD

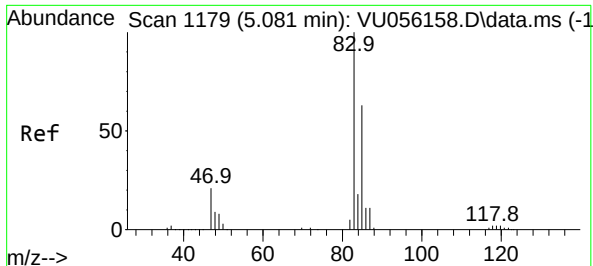
Tgt Ion: 96 Resp: 154190  
 Ion Ratio Lower Upper  
 96 100  
 61 123.6 87.8 163.2  
 98 66.1 43.5 80.7



#23  
 Bromochloromethane  
 Concen: 5.197 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

Tgt Ion: 128 Resp: 64962  
 Ion Ratio Lower Upper  
 128 100  
 49 149.0 103.7 192.7  
 130 129.3 91.8 170.6  
 51 46.2 38.9 58.3





#25

Chloroform

Concen: 5.153 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

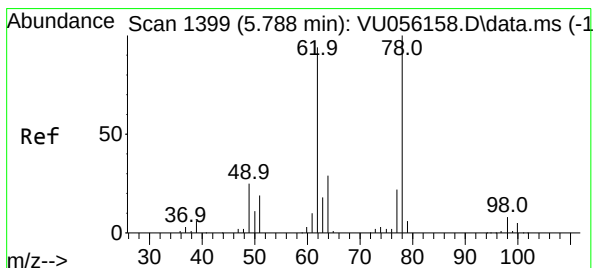
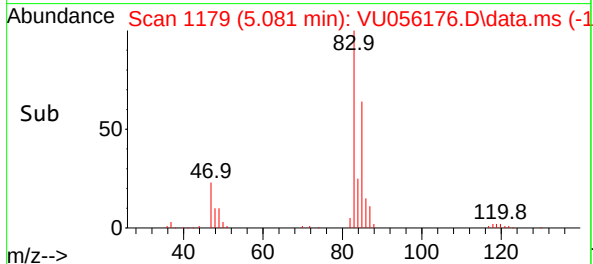
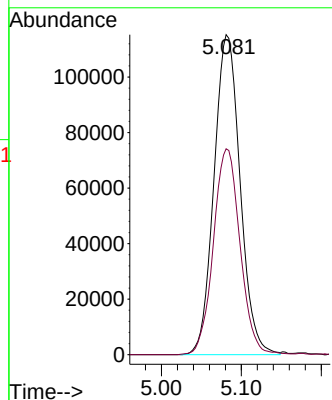
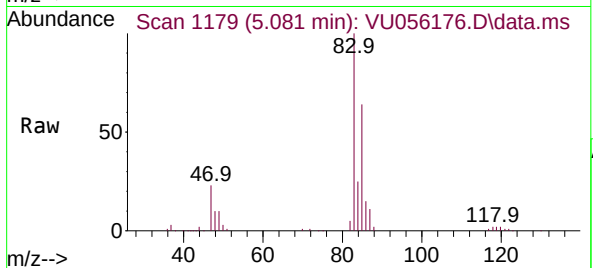
GCDM5MSD

Tgt Ion: 83 Resp: 261401

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.233 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056176.D

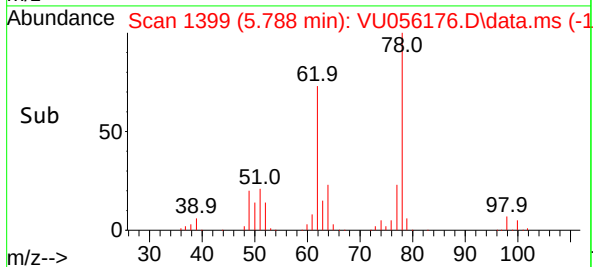
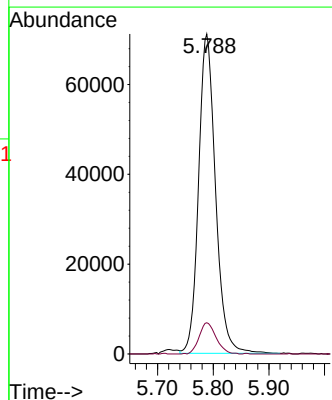
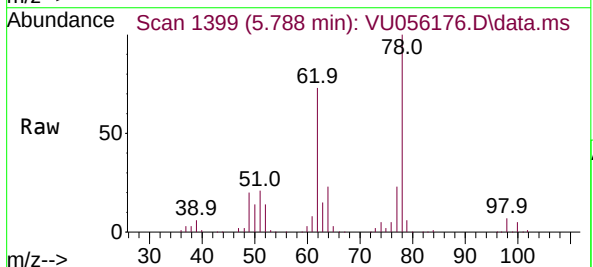
Acq: 10 Nov 2023 16:55

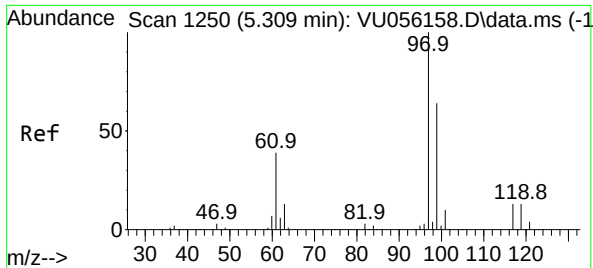
Tgt Ion: 62 Resp: 150235

Ion Ratio Lower Upper

62 100

98 9.8 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.290 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

GCDM5MSD

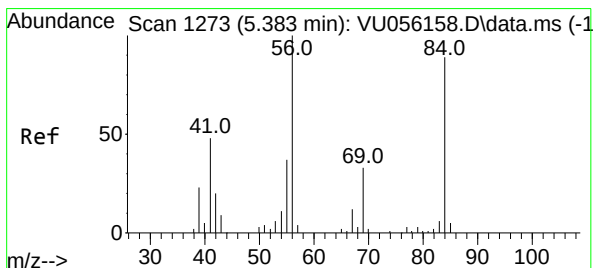
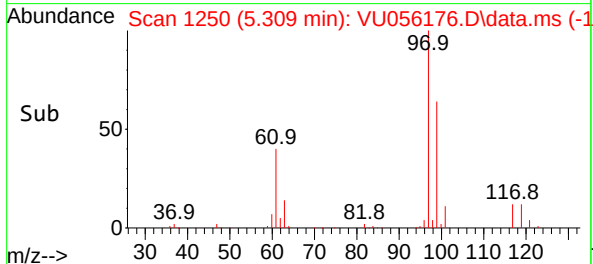
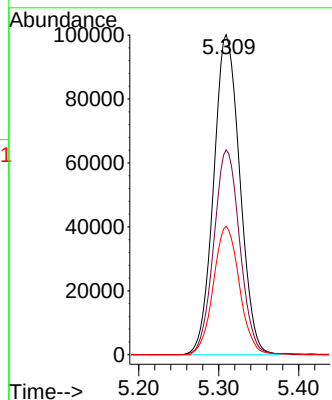
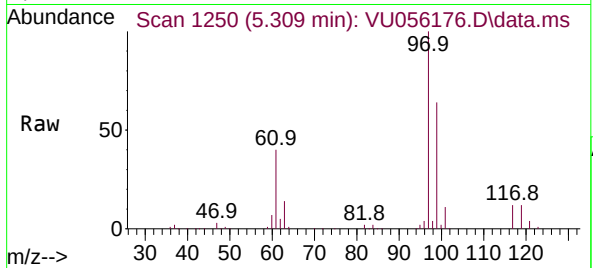
Tgt Ion: 97 Resp: 227447

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

61 40.0 33.4 50.0



#30

Cyclohexane

Concen: 5.057 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

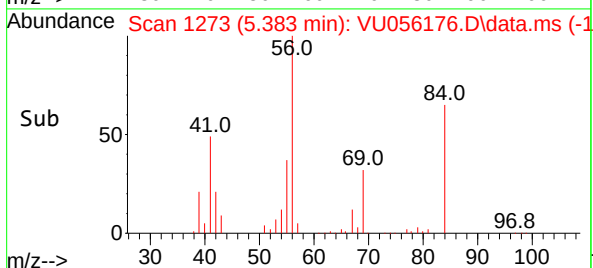
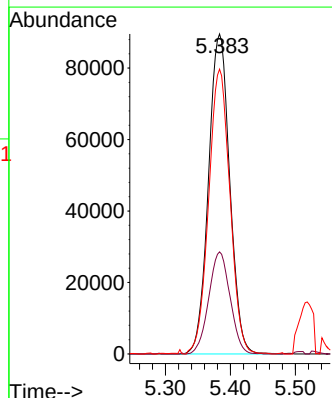
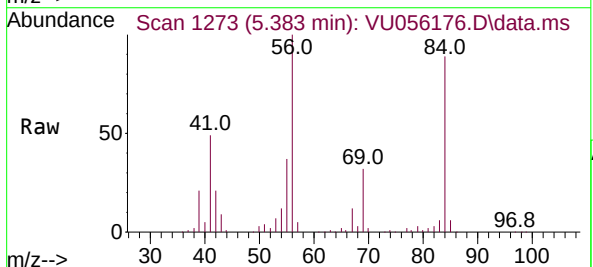
Tgt Ion: 56 Resp: 203153

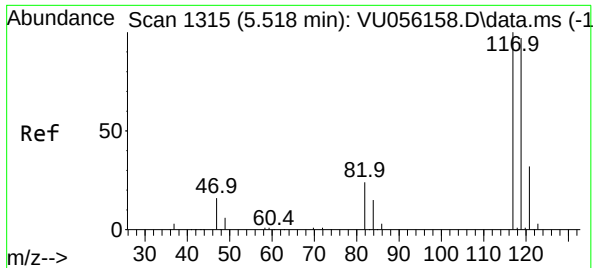
Ion Ratio Lower Upper

56 100

69 32.1 26.6 39.8

84 89.3 70.4 105.6

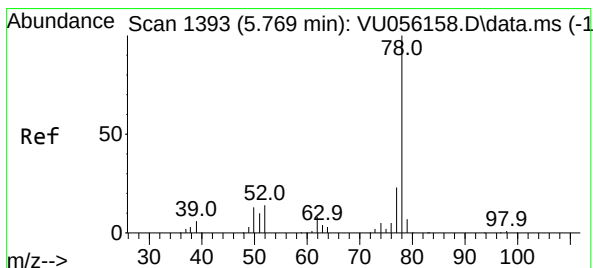
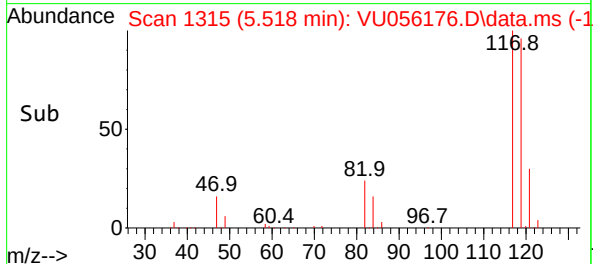
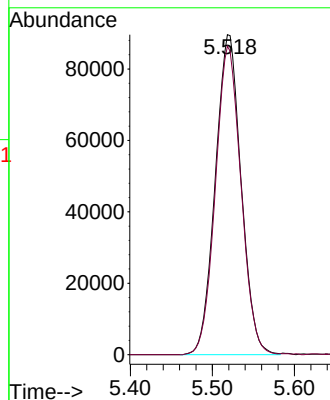
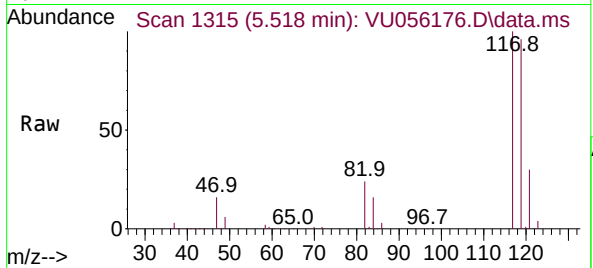




#31  
Carbon tetrachloride  
Concen: 5.135 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

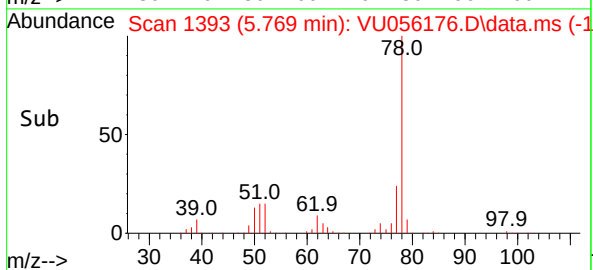
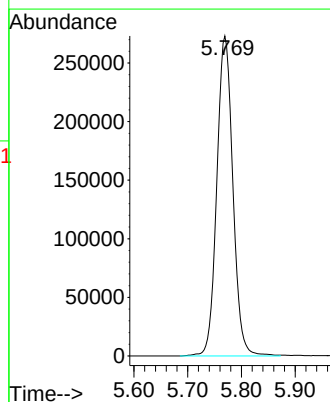
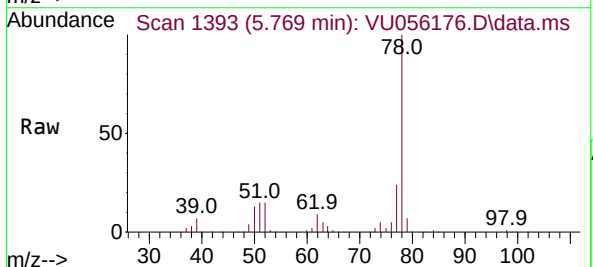
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

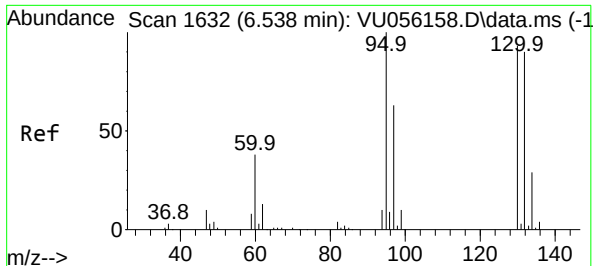
Tgt Ion:117 Resp: 196047  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.2 115.8



#33  
Benzene  
Concen: 5.278 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 78 Resp: 567224

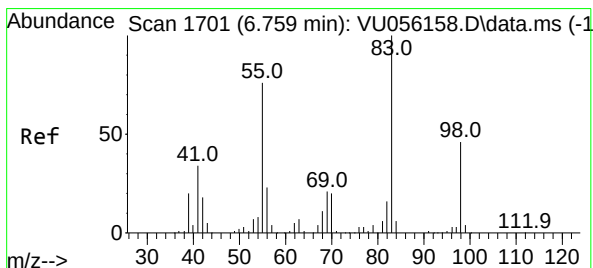
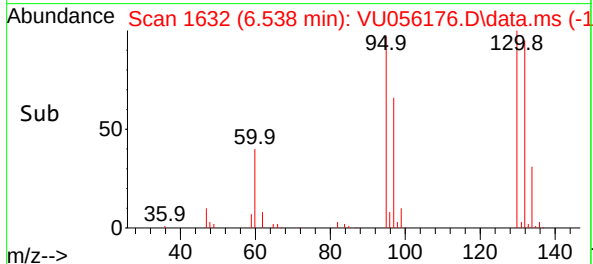
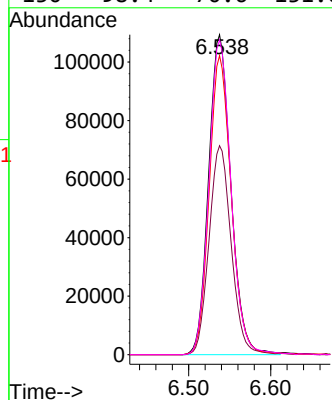
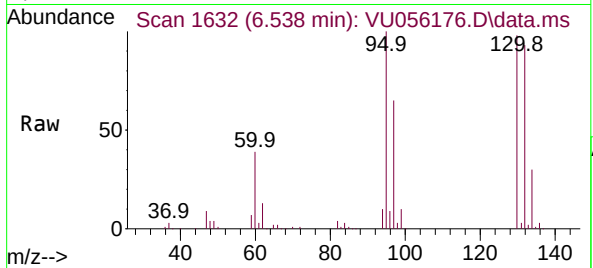




#34  
Trichloroethene  
Concen: 7.041 ug/L  
RT: 6.538 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

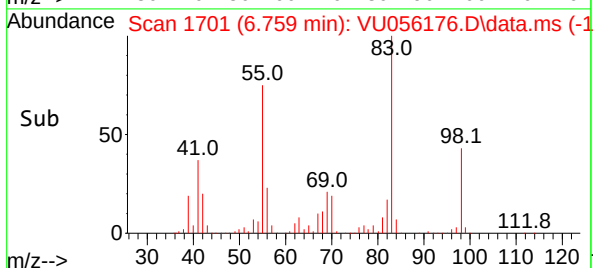
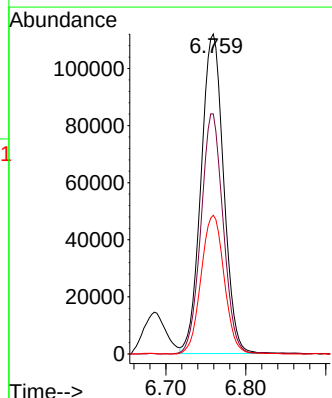
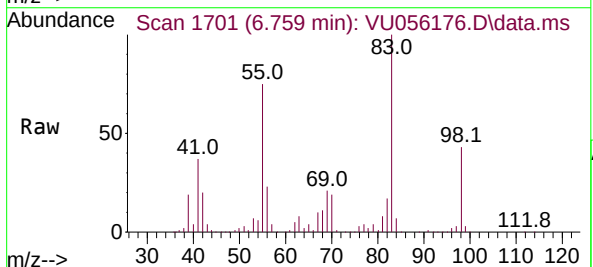
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

Tgt Ion: 95 Resp: 206703  
Ion Ratio Lower Upper  
95 100  
97 65.3 46.8 87.0  
132 93.4 66.5 123.5  
130 98.4 70.6 131.0

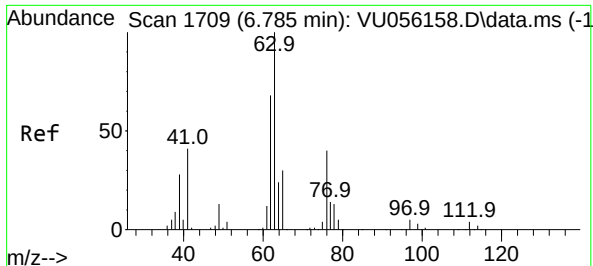


#35  
Methylcyclohexane  
Concen: 5.048 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 83 Resp: 220221  
Ion Ratio Lower Upper  
83 100  
55 73.9 60.6 91.0  
98 44.5 36.2 54.4



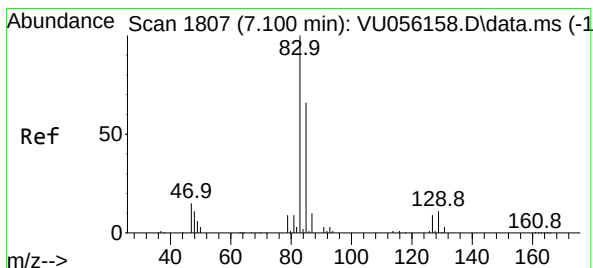
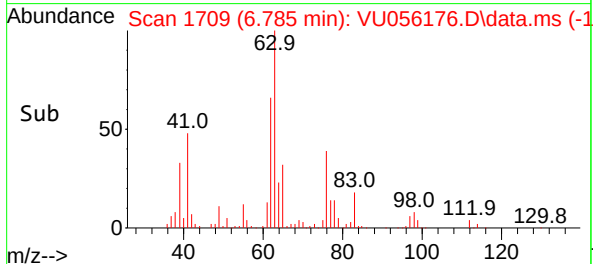
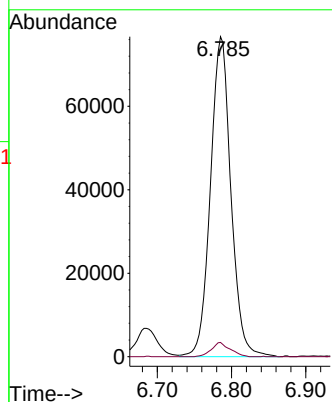
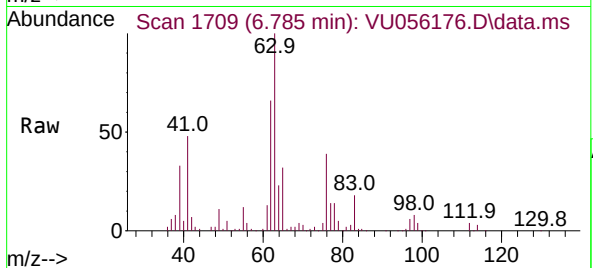




#37  
1,2-Dichloropropane  
Concen: 5.254 ug/L  
RT: 6.785 min Scan# 1709  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

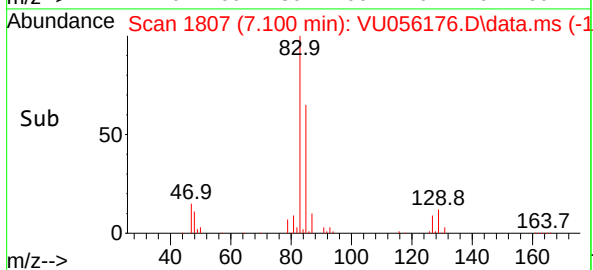
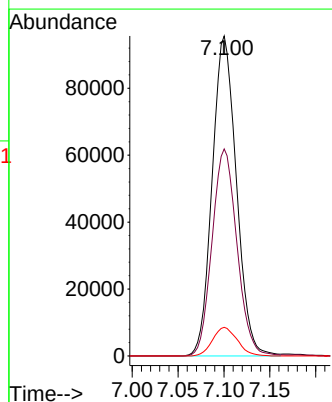
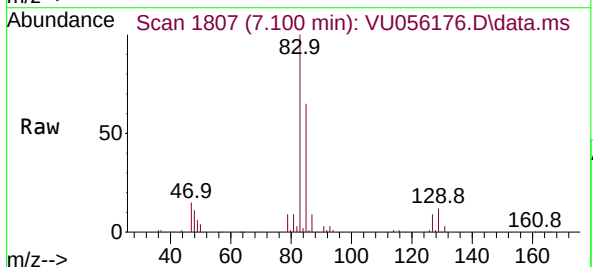
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

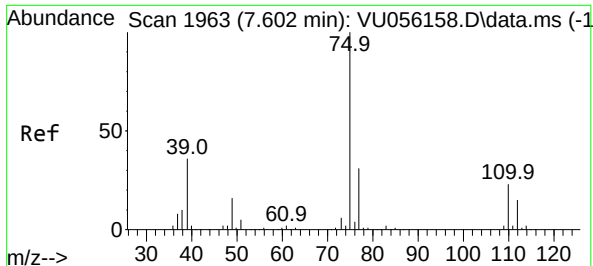
Tgt Ion: 63 Resp: 146843  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.4 5.2



#38  
Bromodichloromethane  
Concen: 5.027 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 83 Resp: 175452  
Ion Ratio Lower Upper  
83 100  
85 64.7 46.6 86.6  
127 9.0 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.256 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

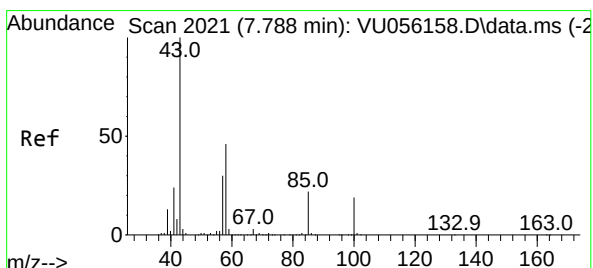
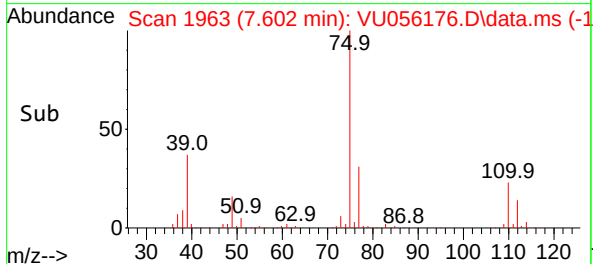
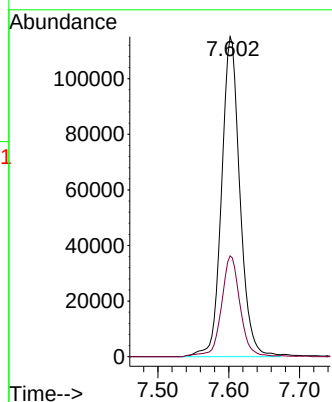
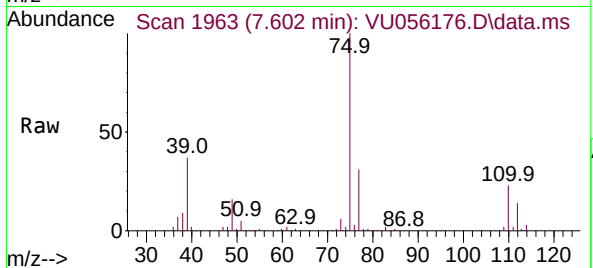
GCDM5MSD

Tgt Ion: 75 Resp: 207315

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 56.688 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

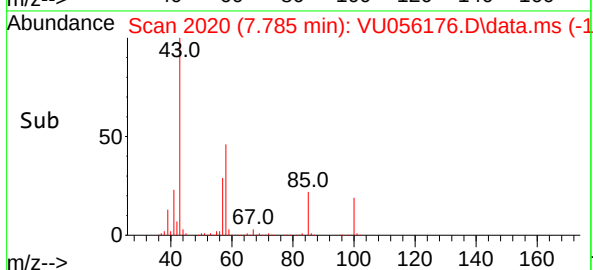
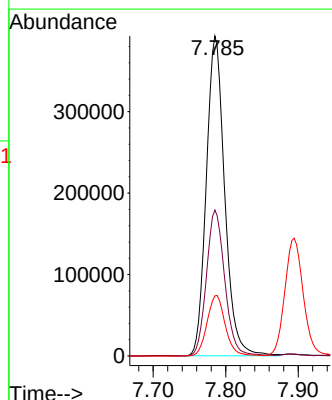
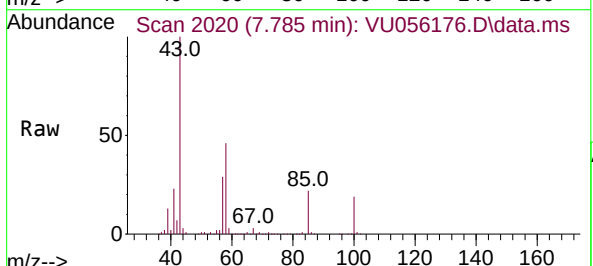
Tgt Ion: 43 Resp: 692976

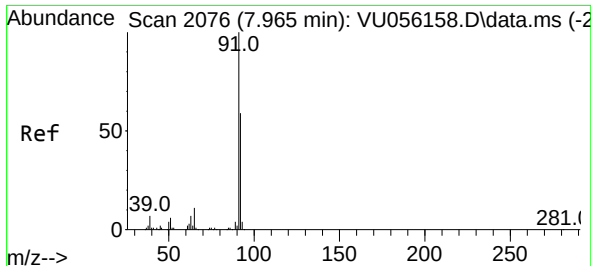
Ion Ratio Lower Upper

43 100

58 45.6 36.0 54.0

100 18.7 14.2 21.4





#42

Toluene

Concen: 5.313 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

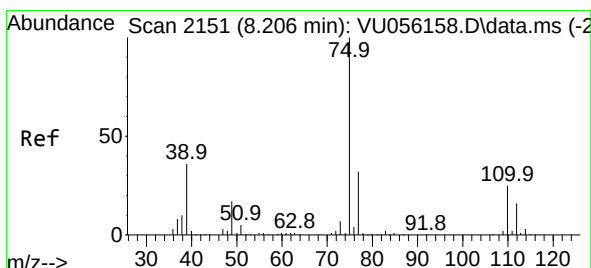
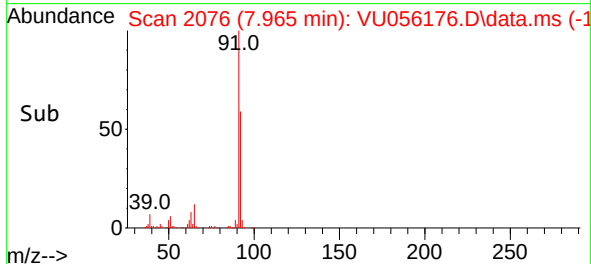
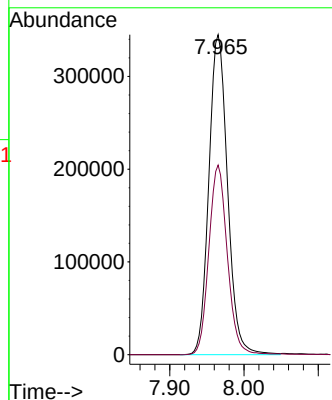
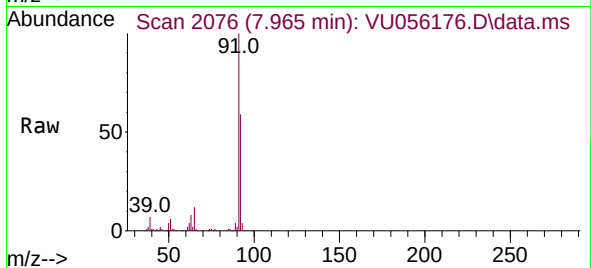
GCDM5MSD

Tgt Ion: 91 Resp: 601952

Ion Ratio Lower Upper

91 100

92 59.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.253 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056176.D

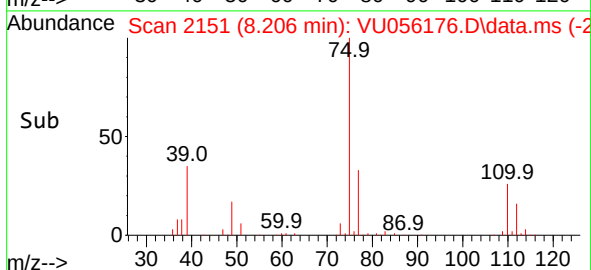
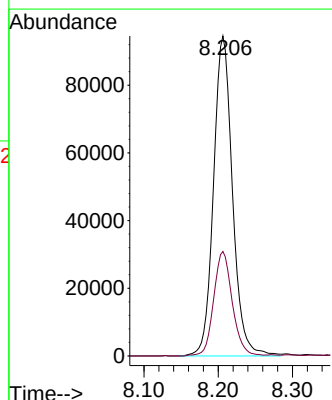
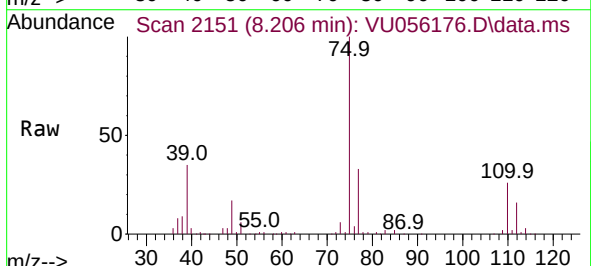
Acq: 10 Nov 2023 16:55

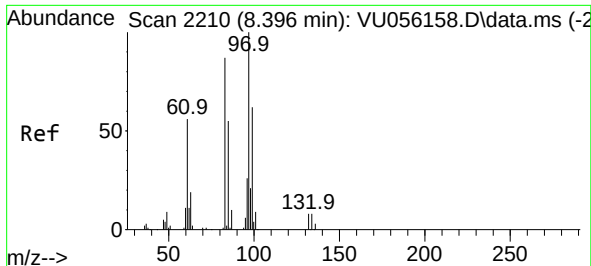
Tgt Ion: 75 Resp: 167755

Ion Ratio Lower Upper

75 100

77 32.7 21.7 40.3



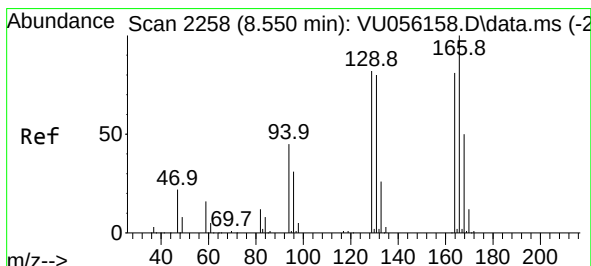
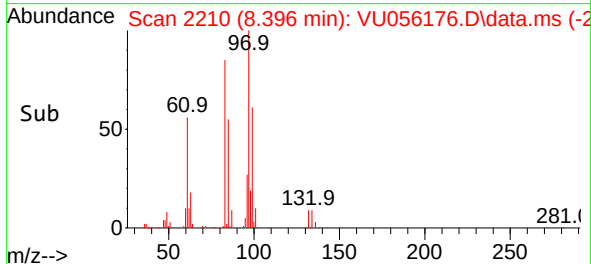
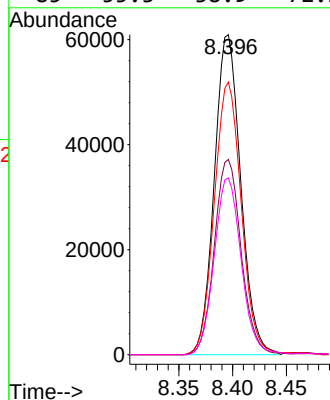
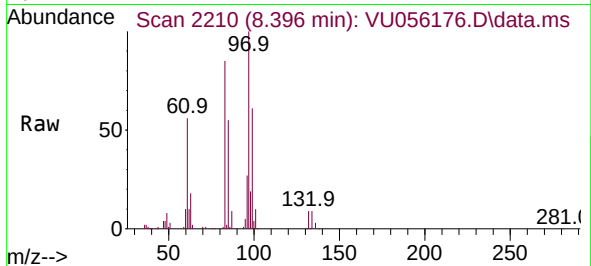


#45  
1,1,2-Trichloroethane  
Concen: 5.456 ug/L  
RT: 8.396 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

Tgt Ion: 97 Resp: 104237

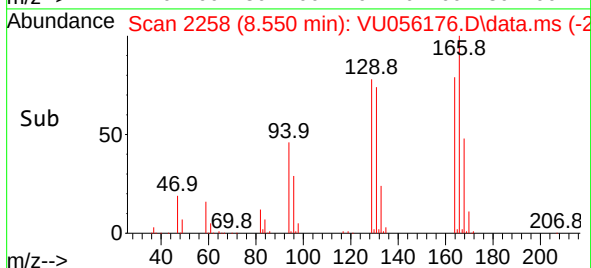
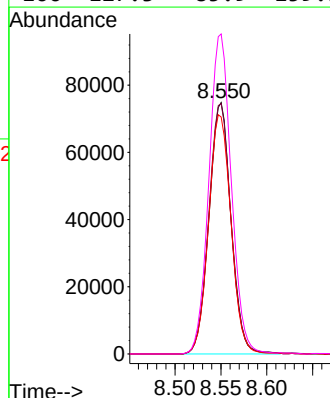
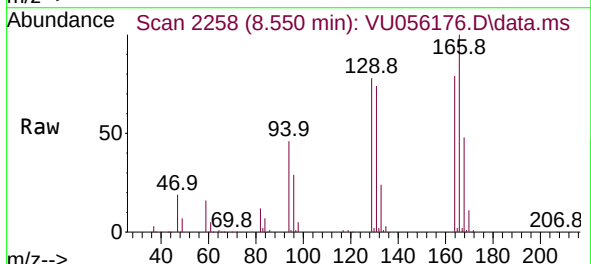
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.0  | 44.7  | 82.9  |
| 83  | 85.2  | 59.4  | 110.2 |
| 85  | 55.3  | 38.9  | 72.2  |

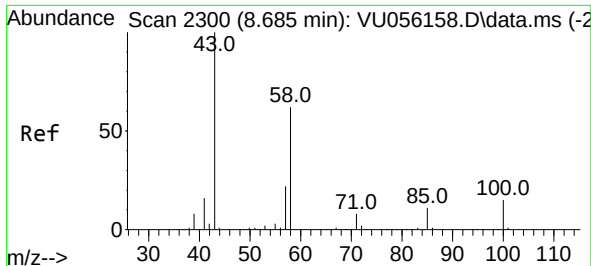


#47  
Tetrachloroethene  
Concen: 5.694 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 164 Resp: 125439

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.6  | 66.6  | 123.8 |
| 131 | 94.3  | 67.8  | 126.0 |
| 166 | 127.3 | 85.9  | 159.5 |

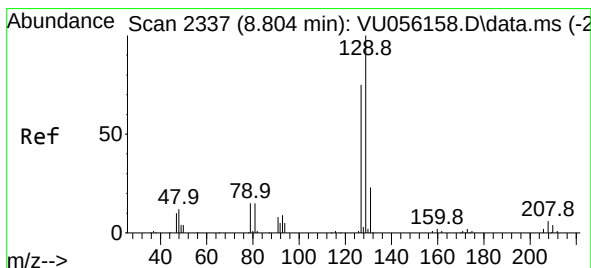
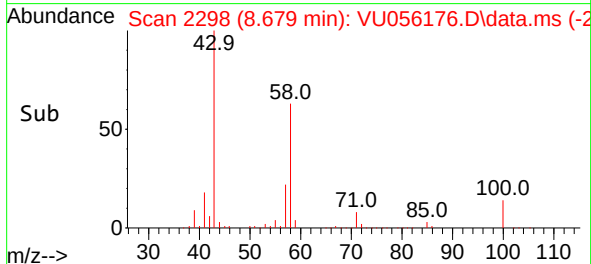
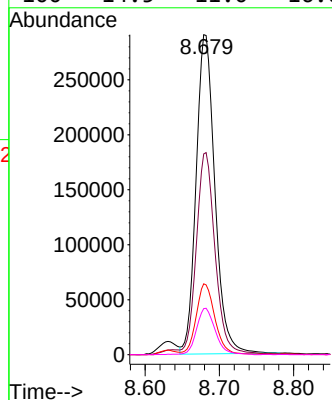
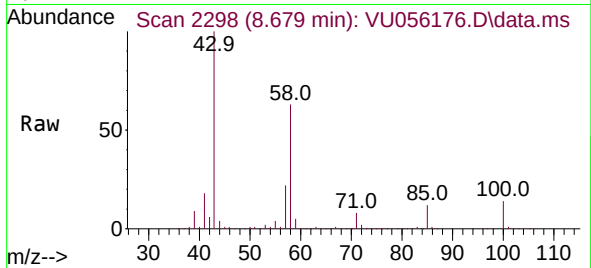




#48  
2-Hexanone  
Concen: 57.628 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

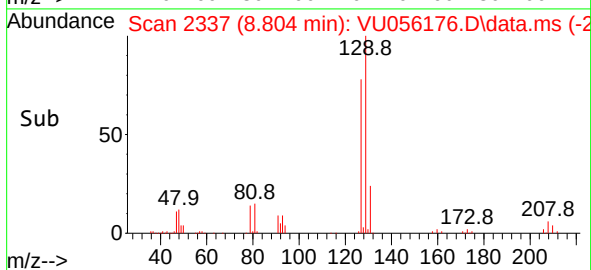
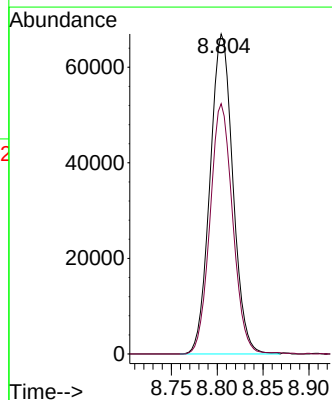
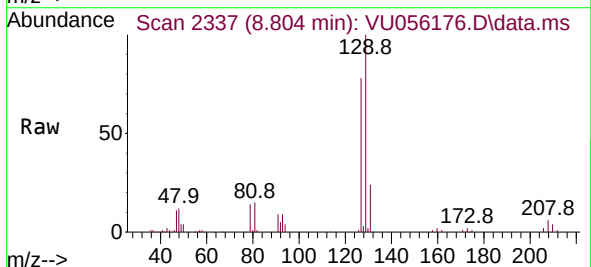
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

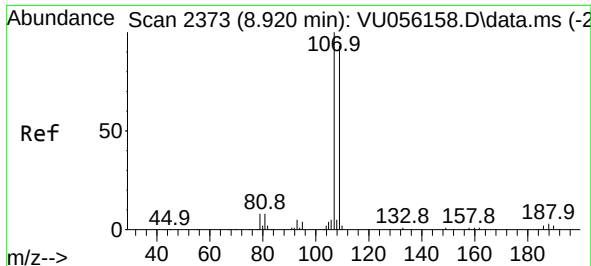
Tgt Ion: 43 Resp: 512909  
Ion Ratio Lower Upper  
43 100  
58 63.4 52.0 78.0  
57 21.9 17.4 26.2  
100 14.5 11.0 16.6



#49  
Dibromochloromethane  
Concen: 5.302 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 129 Resp: 116238  
Ion Ratio Lower Upper  
129 100  
127 78.2 55.4 102.8





#50

1,2-Dibromoethane

Concen: 5.537 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

GCDM5MSD

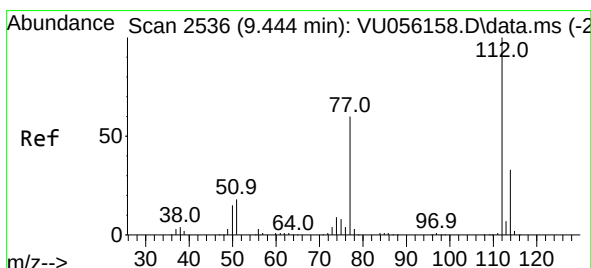
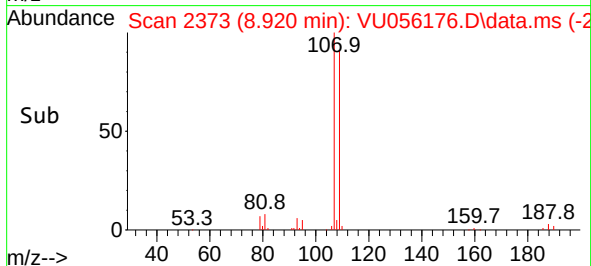
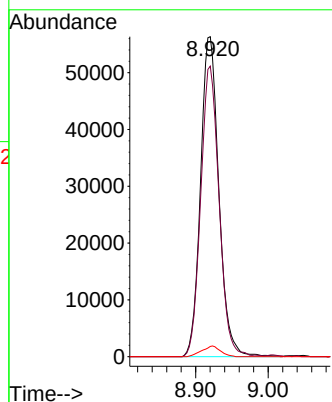
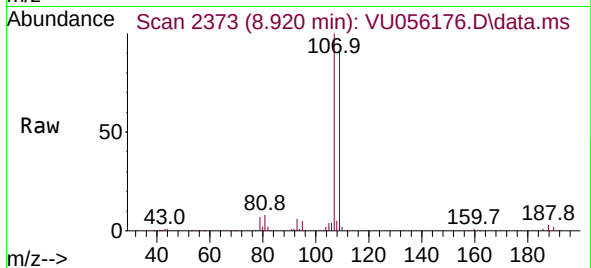
Tgt Ion:107 Resp: 98851

Ion Ratio Lower Upper

107 100

109 90.8 66.9 124.3

188 3.2 2.5 3.7



#51

Chlorobenzene

Concen: 5.288 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

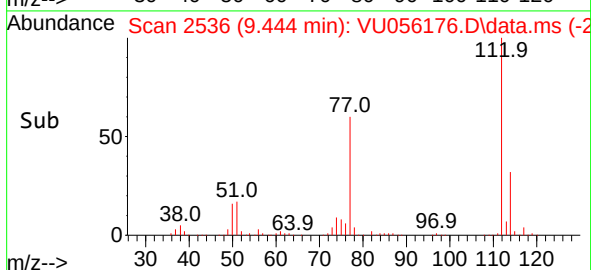
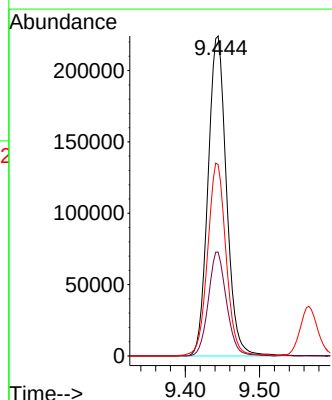
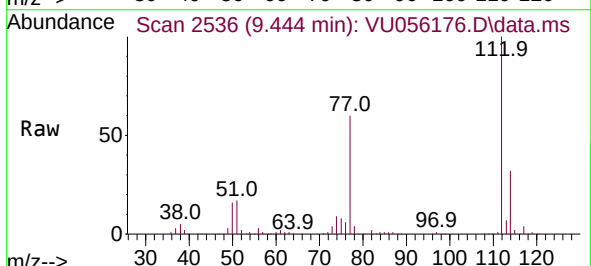
Tgt Ion:112 Resp: 386501

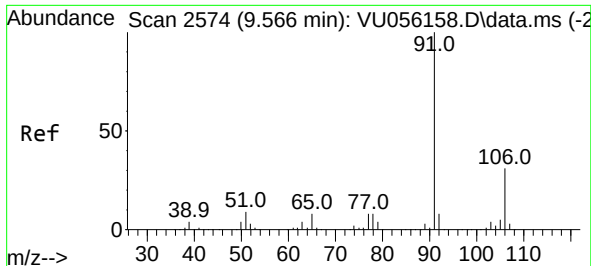
Ion Ratio Lower Upper

112 100

114 32.5 21.8 40.4

77 59.9 48.2 72.4

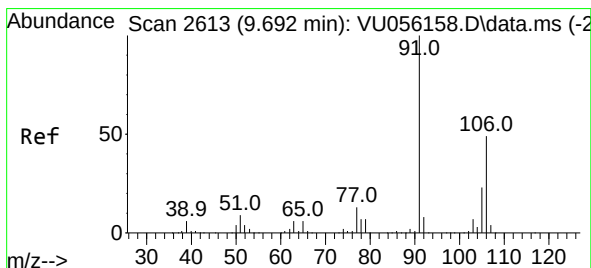
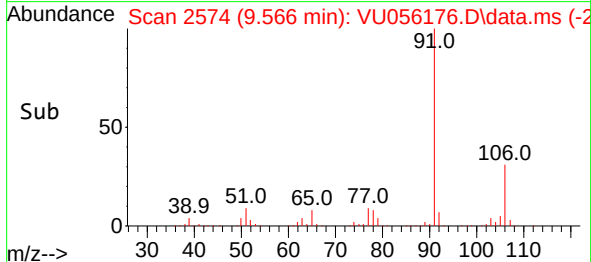
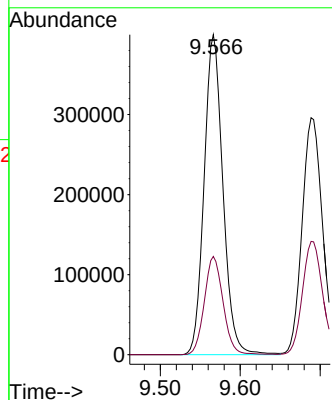
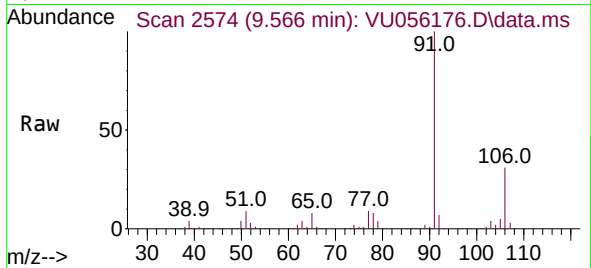




#52  
Ethylbenzene  
Concen: 5.307 ug/L  
RT: 9.566 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

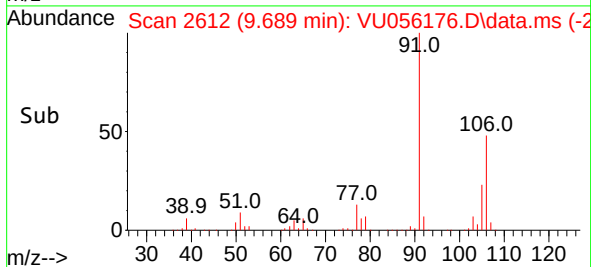
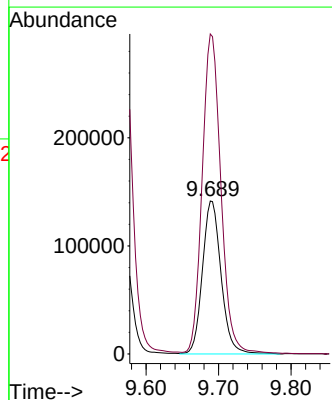
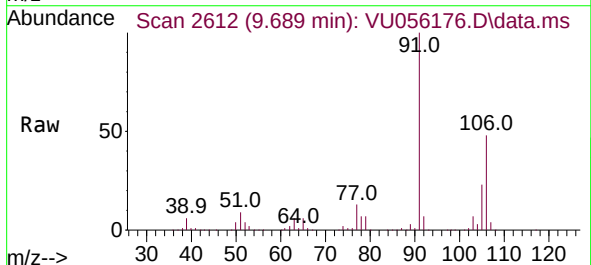
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

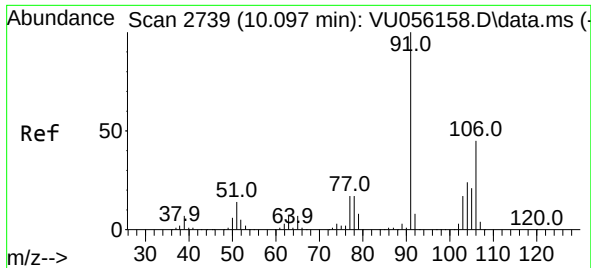
Tgt Ion: 91 Resp: 655255  
Ion Ratio Lower Upper  
91 100  
106 30.7 21.2 39.4



#53  
m,p-Xylene  
Concen: 5.390 ug/L  
RT: 9.689 min Scan# 2612  
Delta R.T. -0.003 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion: 106 Resp: 253085  
Ion Ratio Lower Upper  
106 100  
91 209.2 144.9 269.1

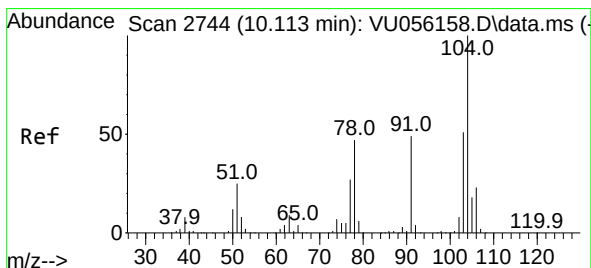
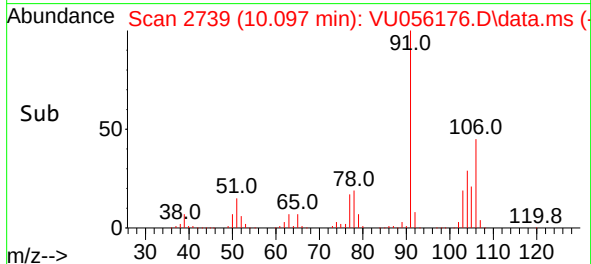
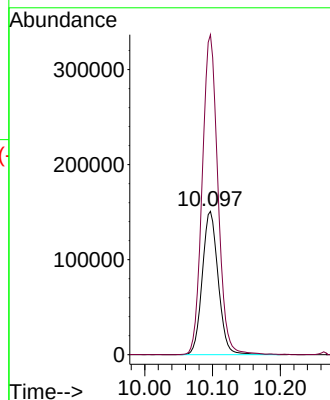
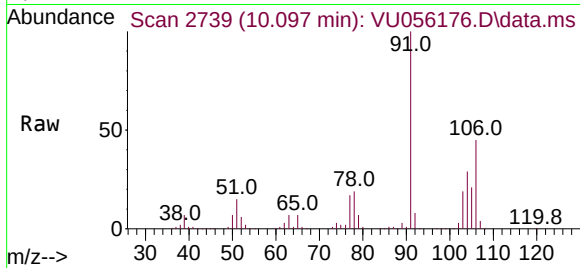




#54  
o-Xylene  
Concen: 5.458 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

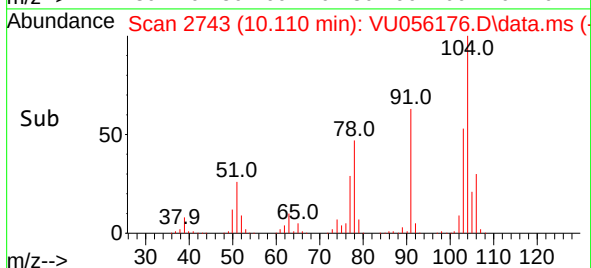
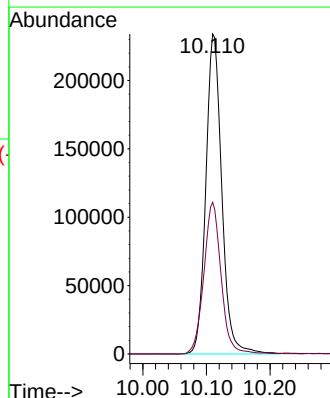
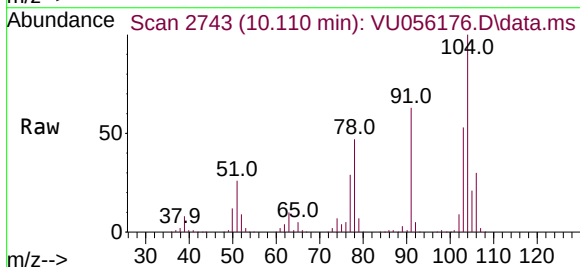
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

Tgt Ion:106 Resp: 245674  
Ion Ratio Lower Upper  
106 100  
91 223.2 158.2 293.8

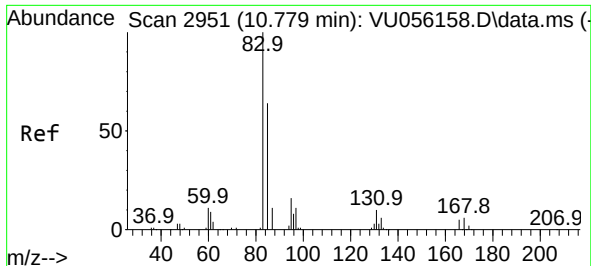


#55  
Styrene  
Concen: 5.535 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. -0.003 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion:104 Resp: 407580  
Ion Ratio Lower Upper  
104 100  
78 47.4 33.5 62.3







#57

1,1,2,2-Tetrachloroethane

Concen: 5.582 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

GCDM5MSD

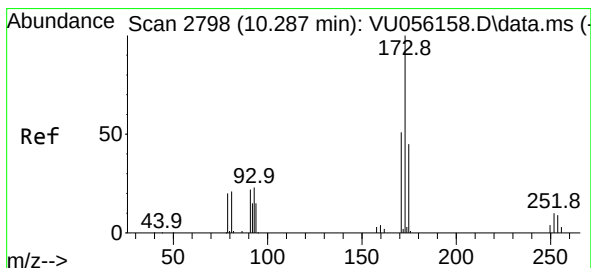
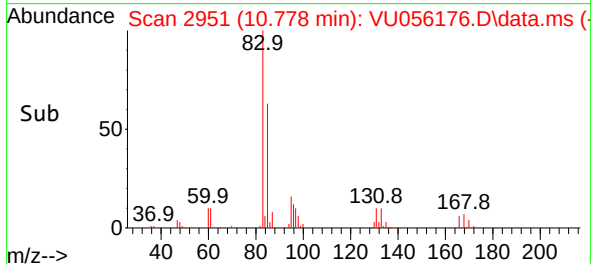
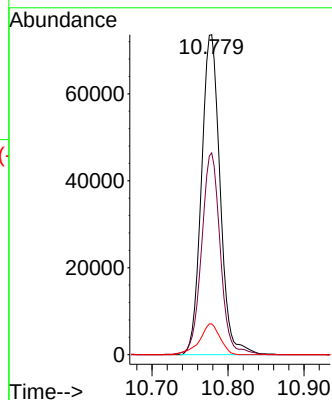
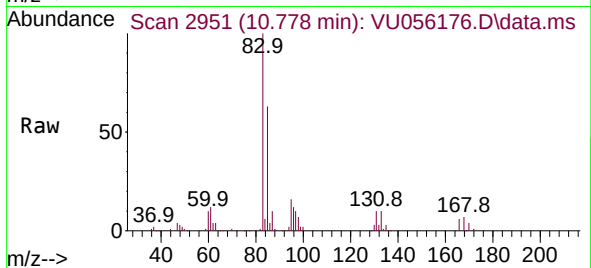
Tgt Ion: 83 Resp: 125330

Ion Ratio Lower Upper

83 100

85 63.0 44.0 81.8

131 9.6 7.4 11.2



#59

Bromoform

Concen: 5.203 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

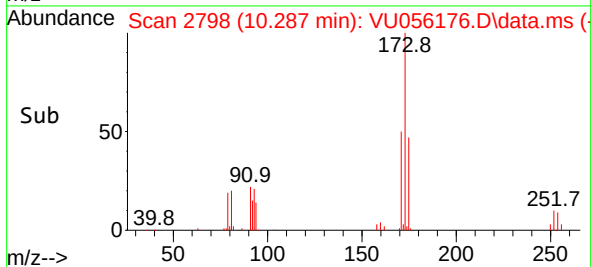
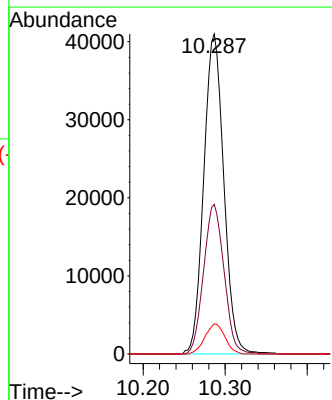
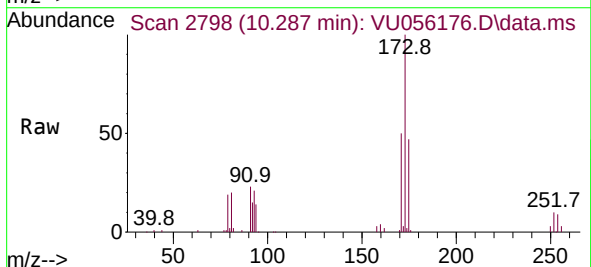
Tgt Ion: 173 Resp: 69666

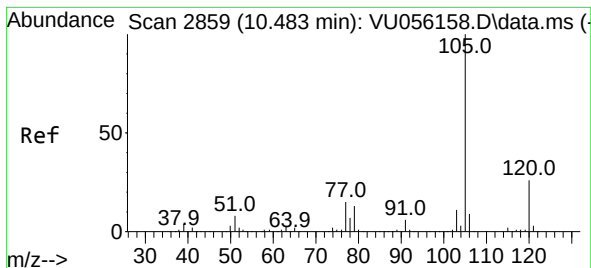
Ion Ratio Lower Upper

173 100

175 47.5 39.0 58.4

254 9.4 8.2 12.2





#60

Isopropylbenzene

Concen: 5.220 ug/L

RT: 10.479 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

GCDM5MSD

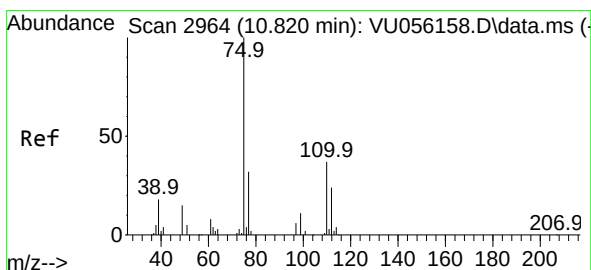
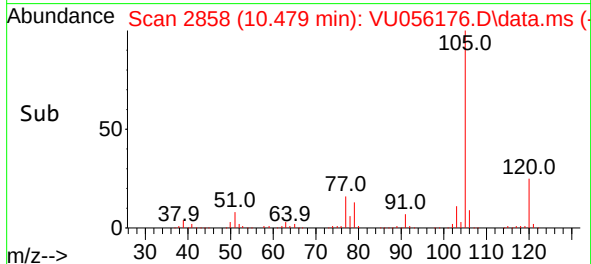
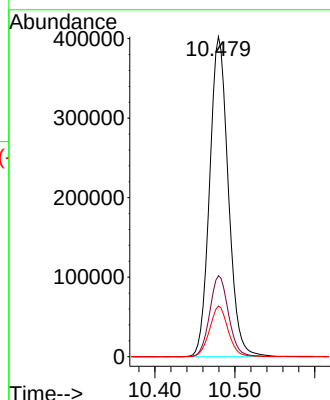
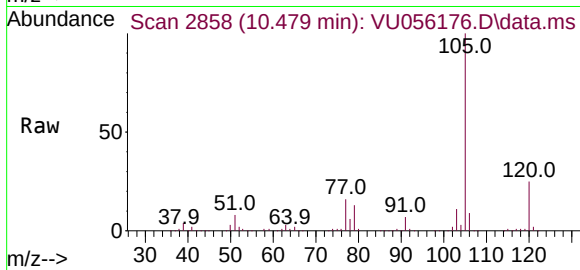
Tgt Ion:105 Resp: 652439

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.237 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

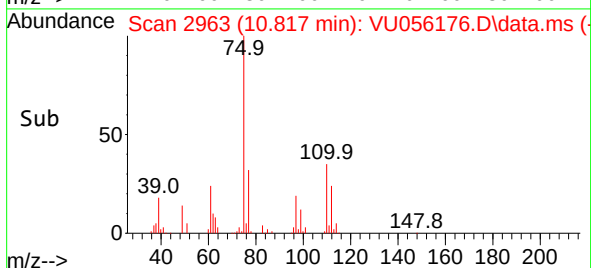
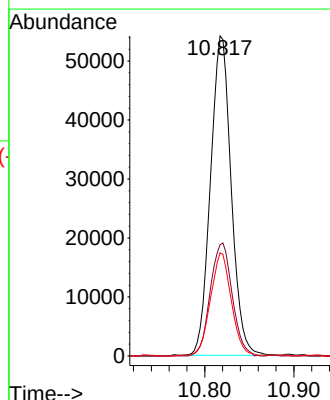
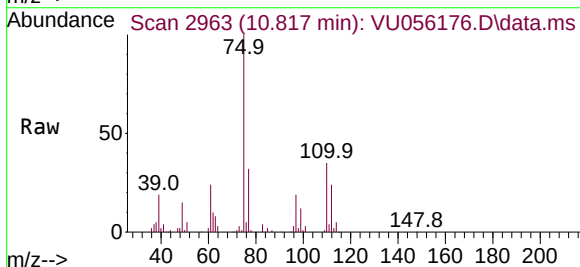
Tgt Ion: 75 Resp: 87144

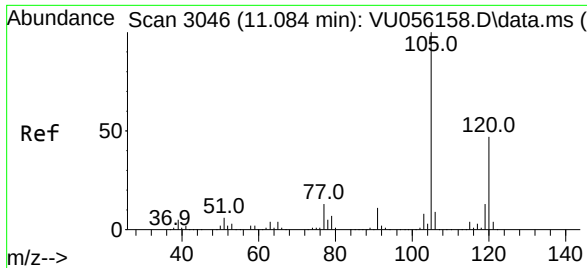
Ion Ratio Lower Upper

75 100

110 37.5 29.7 44.5

77 32.9 25.5 38.3

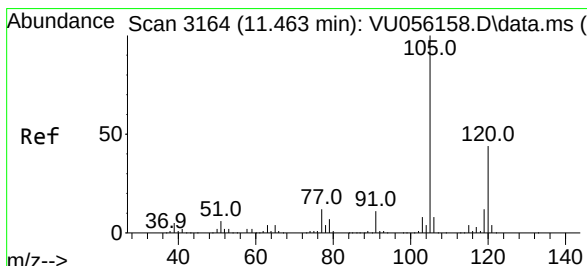
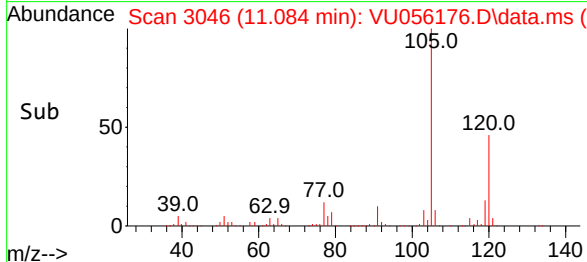
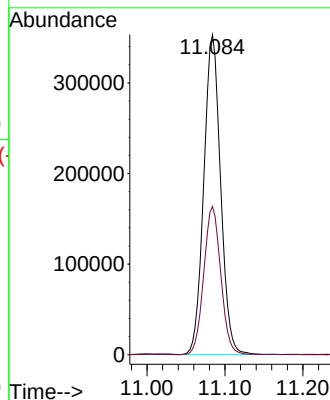
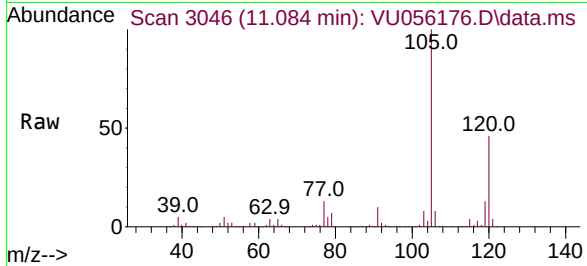




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.222 ug/L  
 RT: 11.084 min Scan# 3046  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

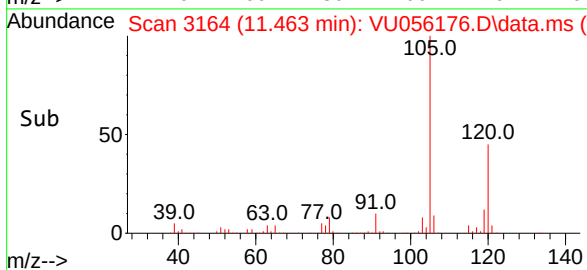
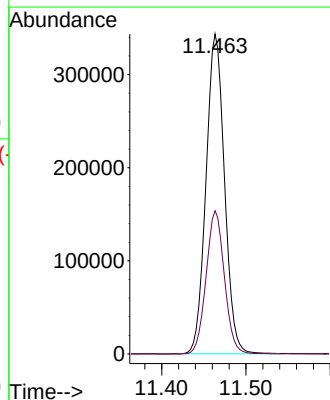
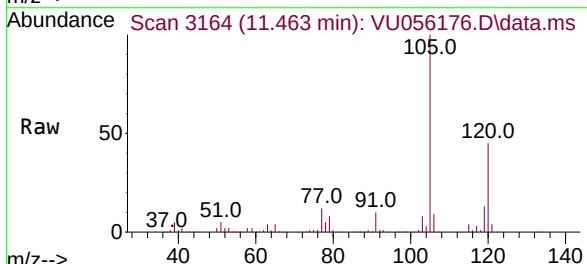
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDM5MSD

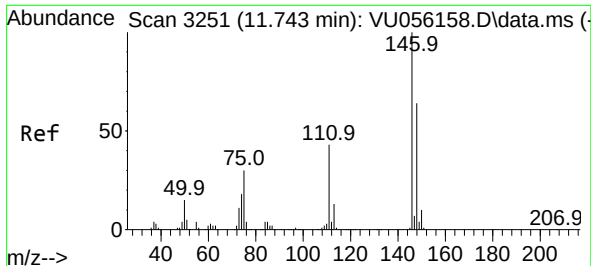
Tgt Ion:105 Resp: 529300  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 37.9 56.9



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.284 ug/L  
 RT: 11.463 min Scan# 3164  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

Tgt Ion:105 Resp: 525450  
 Ion Ratio Lower Upper  
 105 100  
 120 44.2 35.4 53.0

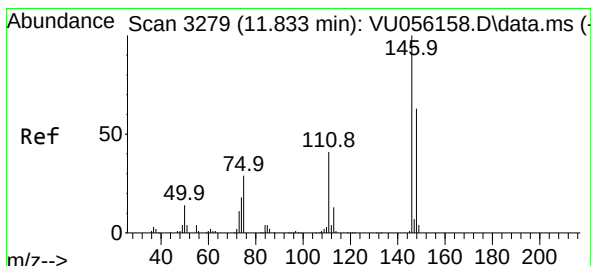
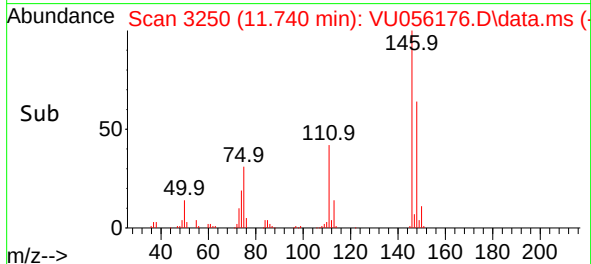
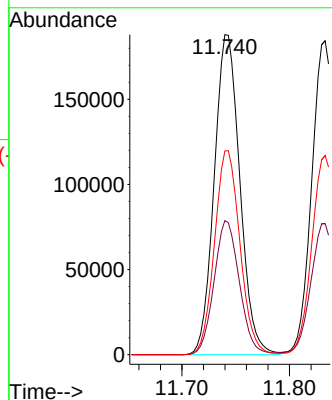
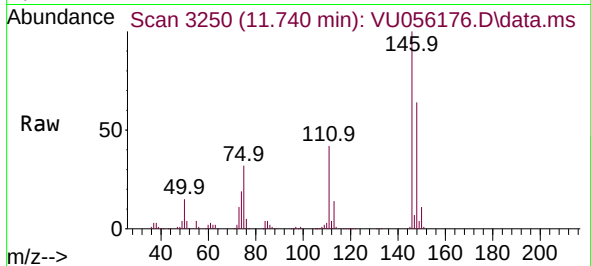




#64  
1,3-Dichlorobenzene  
Concen: 5.260 ug/L  
RT: 11.740 min Scan# 3113  
Delta R.T. -0.003 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

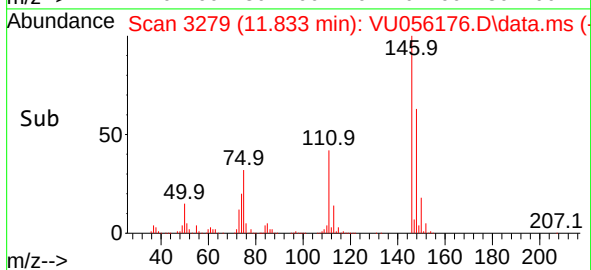
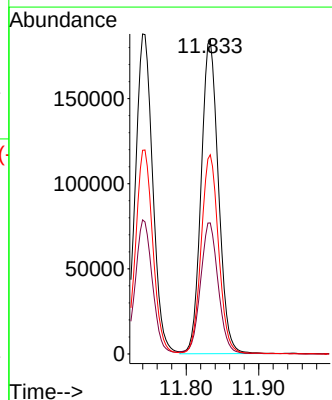
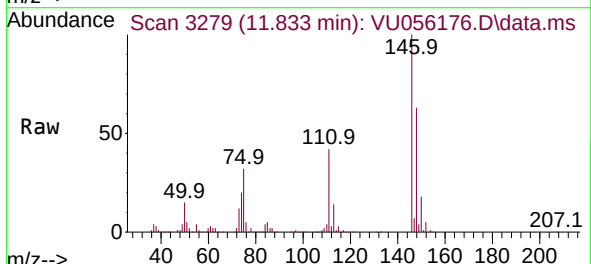
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCDM5MSD

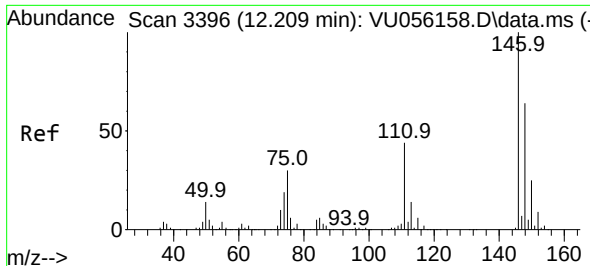
Tgt Ion:146 Resp: 311387  
Ion Ratio Lower Upper  
146 100  
111 41.9 29.7 55.1  
148 63.7 44.7 83.1



#65  
1,4-Dichlorobenzene  
Concen: 5.212 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.000 min  
Lab File: VU056176.D  
Acq: 10 Nov 2023 16:55

Tgt Ion:146 Resp: 305102  
Ion Ratio Lower Upper  
146 100  
111 41.7 29.0 53.8  
148 63.5 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 5.256 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

GCDM5MSD

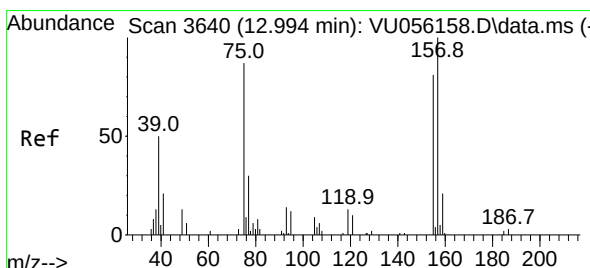
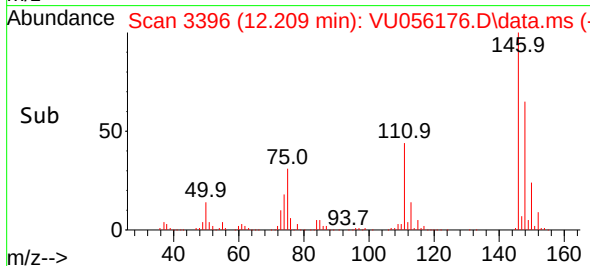
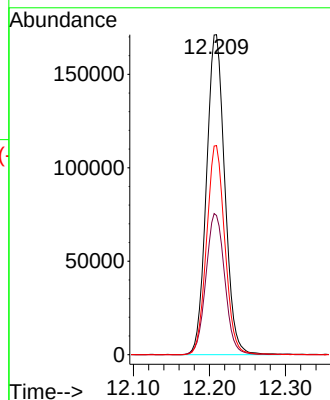
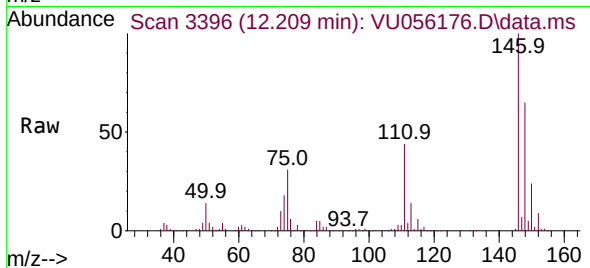
Tgt Ion:146 Resp: 286722

Ion Ratio Lower Upper

146 100

111 43.5 35.2 52.8

148 65.4 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.242 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

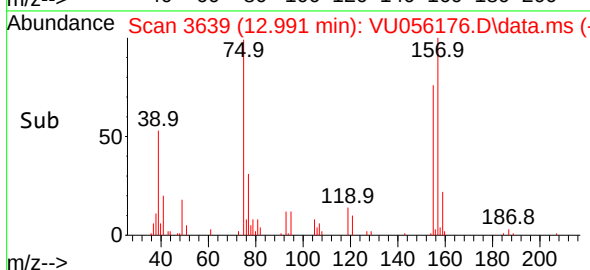
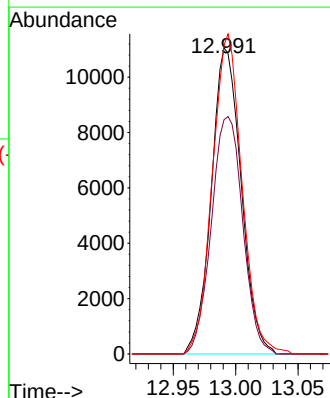
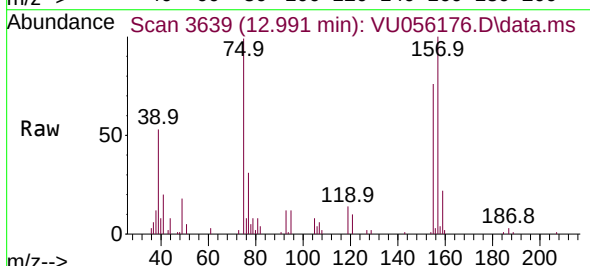
Tgt Ion: 75 Resp: 18401

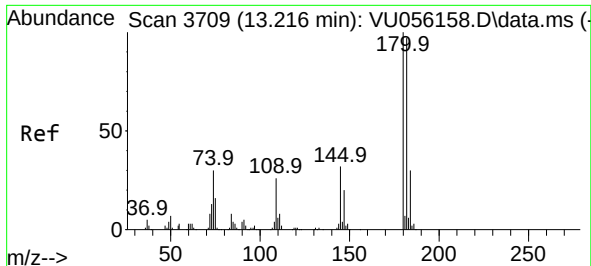
Ion Ratio Lower Upper

75 100

155 76.5 63.3 94.9

157 100.8 79.1 118.7

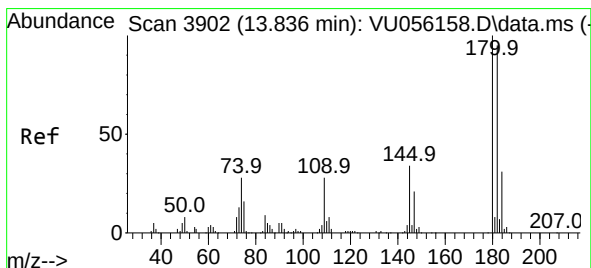
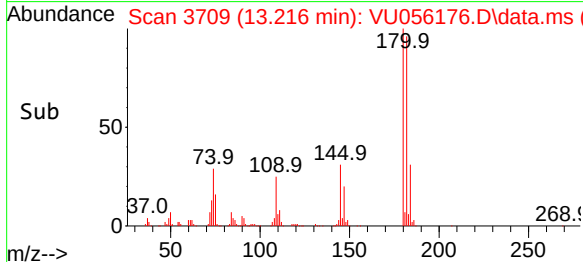
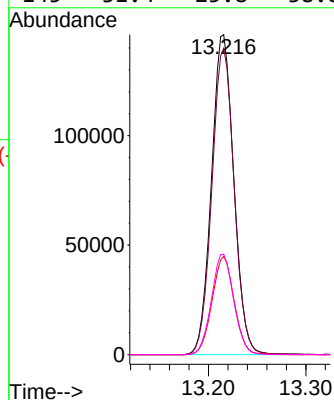
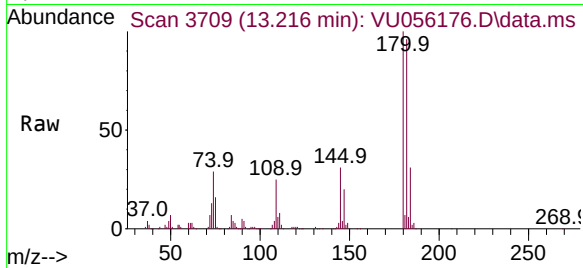




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.249 ug/L  
 RT: 13.216 min Scan# 3709  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

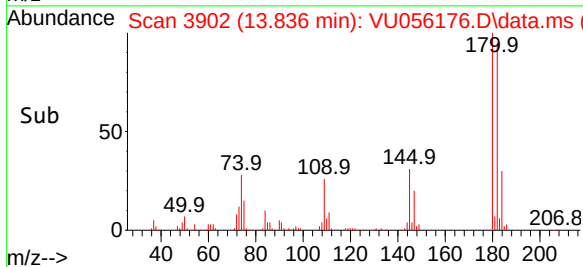
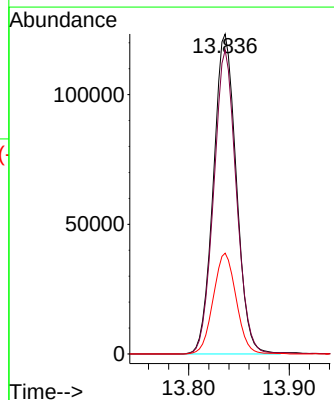
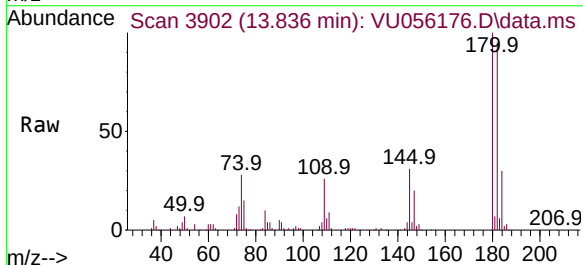
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDM5MSD

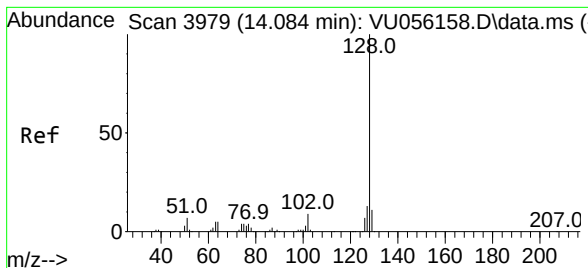
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:180 | Resp: | 232728 |
| Ion | Ratio   | Lower | Upper  |
| 180 | 100     |       |        |
| 182 | 95.5    | 76.0  | 114.0  |
| 184 | 30.4    | 24.0  | 36.0   |
| 145 | 31.4    | 25.8  | 38.8   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.559 ug/L  
 RT: 13.836 min Scan# 3902  
 Delta R.T. -0.000 min  
 Lab File: VU056176.D  
 Acq: 10 Nov 2023 16:55

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:180 | Resp: | 195547 |       |
| Ion         | Ratio | Lower  | Upper |
| 180         | 100   |        |       |
| 182         | 94.0  | 77.4   | 116.2 |
| 145         | 31.5  | 25.9   | 38.9  |





#71

Naphthalene

Concen: 5.716 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA\_U

ClientSampleId :

GCDM5MSD

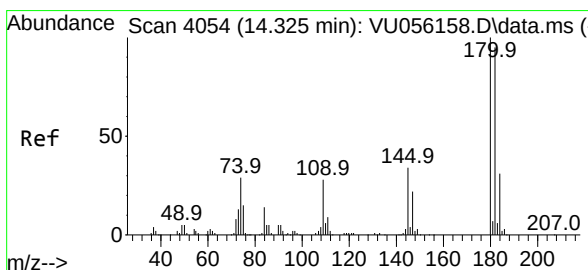
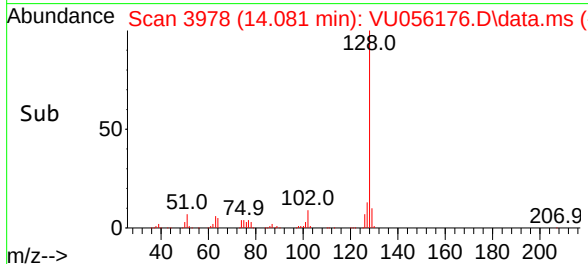
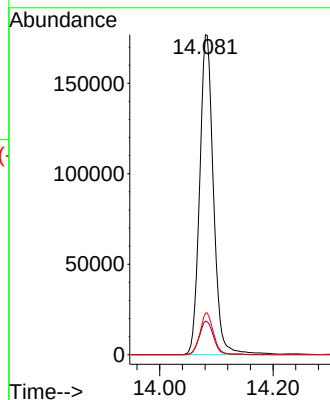
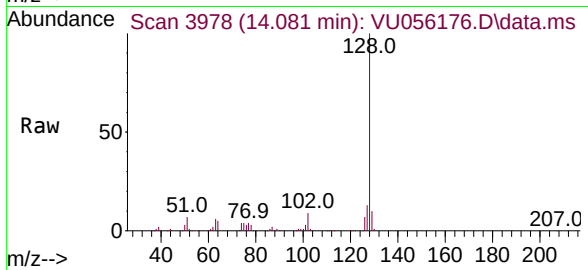
Tgt Ion:128 Resp: 298236

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

127 12.8 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 5.564 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Tgt Ion:180 Resp: 171584

Ion Ratio Lower Upper

180 100

182 94.9 76.6 115.0

145 33.2 28.0 42.0

