

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111423\  
 Data File : VU056325.D  
 Acq On : 15 Nov 2023 00:21  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 15 03:00:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 15 01:36:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 270070   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 260994   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 128632   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 89793    | 4.445    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.000%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 77041    | 4.974    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 40880    | 4.586    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 91.800%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 214705   | 53.304   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.600% |
| 24) Chloroform-d              | 5.055  | 84    | 200907   | 5.142    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.800% |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 97451    | 5.398    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 108.000% |
| 32) Benzene-d6                | 5.721  | 84    | 370654   | 4.767    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 116407   | 4.967    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 321656   | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 43844    | 4.878    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.600%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 193939   | 54.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 109.820% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 91916    | 5.489    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 114856   | 4.833    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 99961    | 4.671    | ug/L   | 97       |
| 3) Chloromethane              | 1.518  | 50    | 113087   | 5.172    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.602  | 62    | 109497   | 5.197    | ug/L   | 100      |
| 6) Bromomethane               | 1.853  | 94    | 58200    | 5.458    | ug/L   | 95       |
| 8) Chloroethane               | 1.930  | 64    | 72267    | 5.615    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 150167   | 4.946    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 81688    | 4.532    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 85270    | 5.158    | ug/L   | 94       |
| 13) Acetone                   | 2.628  | 43    | 130238   | 37.963   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.792  | 76    | 264207   | 4.911    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.946  | 43    | 34346    | 5.626    | ug/L   | 100      |
| 16) Methylene chloride        | 3.043  | 84    | 113285   | 5.178    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 231491   | 5.763    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 92950    | 5.464    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 186418   | 5.533    | ug/L   | 99       |
| 21) 2-Butanone                | 4.698  | 43    | 212330   | 47.697   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 109000   | 5.650    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 45376    | 5.715    | ug/L   | 98       |
| 25) Chloroform                | 5.081  | 83    | 201814   | 5.528    | ug/L   | 96       |

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 Data File : VU056325.D  
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 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

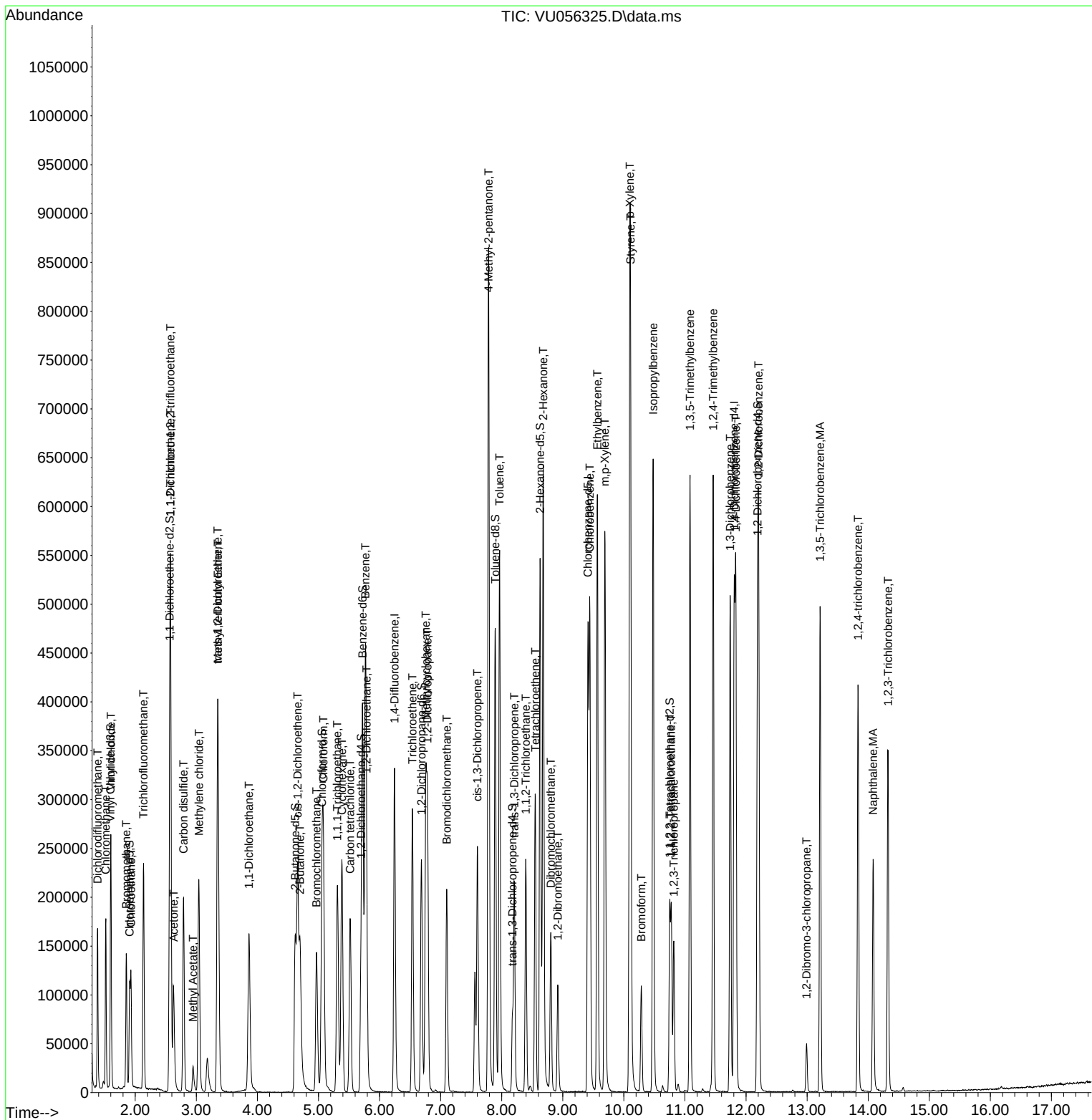
Instrument :  
 MSVOA\_U  
 ClientSampleId :

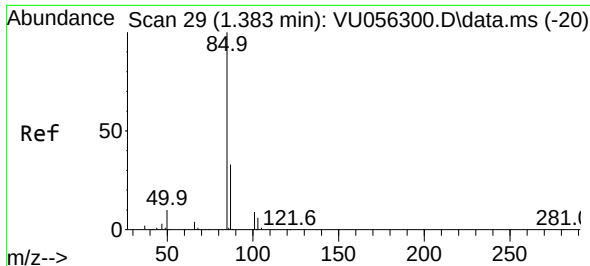
Quant Time: Nov 15 03:00:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 15 01:36:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 117420   | 5.665  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 161011   | 5.374  | ug/L  | 98       |
| 30) Cyclohexane               | 5.383  | 56   | 123216   | 4.333  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 127418   | 4.952  | ug/L  | 97       |
| 33) Benzene                   | 5.769  | 78   | 410742   | 5.516  | ug/L  | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 104558   | 5.153  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.759  | 83   | 125859   | 4.297  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 111865   | 5.760  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.100  | 83   | 139297   | 5.556  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 157697   | 5.526  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 549099   | 57.038 | ug/L  | 99       |
| 42) Toluene                   | 7.965  | 91   | 411137   | 5.333  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 126324   | 5.553  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 74886    | 5.790  | ug/L  | 95       |
| 47) Tetrachloroethene         | 8.550  | 164  | 65238    | 4.768  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 397517   | 53.004 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.804  | 129  | 83615    | 5.685  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 70683    | 5.789  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.441  | 112  | 262970   | 5.308  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 447998   | 5.233  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.689  | 106  | 169660   | 5.390  | ug/L  | 98       |
| 54) o-Xylene                  | 10.097 | 106  | 165932   | 5.427  | ug/L  | 100      |
| 55) Styrene                   | 10.110 | 104  | 289469   | 5.692  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 94805    | 6.003  | ug/L  | 98       |
| 59) Bromoform                 | 10.287 | 173  | 48818    | 6.093  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.480 | 105  | 424692   | 5.119  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 65465    | 5.931  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 348530   | 5.117  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 351013   | 5.221  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 200543   | 5.314  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 202621   | 5.353  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 189925   | 5.486  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 14443    | 6.127  | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 146948   | 5.172  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 122684   | 5.302  | ug/L  | 100      |
| 71) Naphthalene               | 14.081 | 128  | 200009   | 5.721  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 103769   | 5.444  | ug/L  | 97       |

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

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QLast Update : Wed Nov 15 01:36:14 2023  
Response via : Initial Calibration

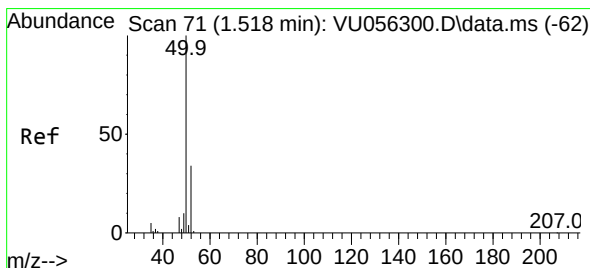
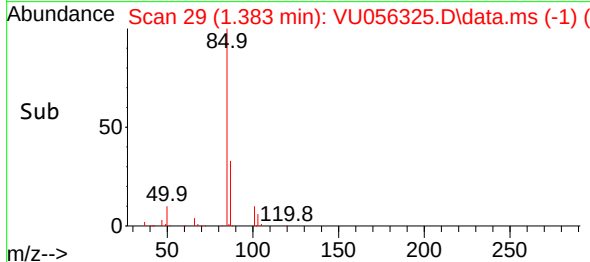
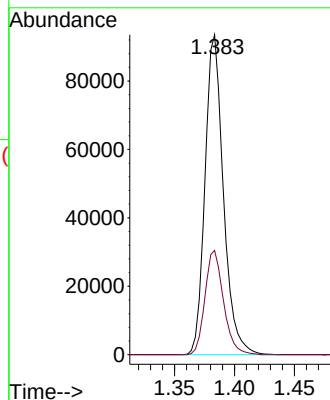
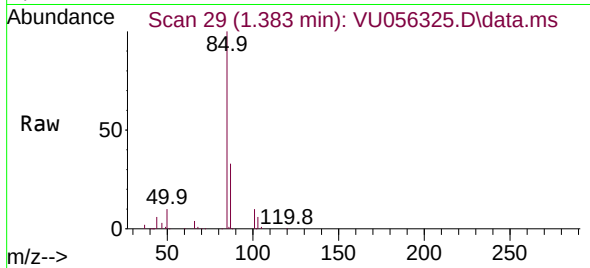




#2  
 Dichlorodifluoromethane  
 Concen: 4.671 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

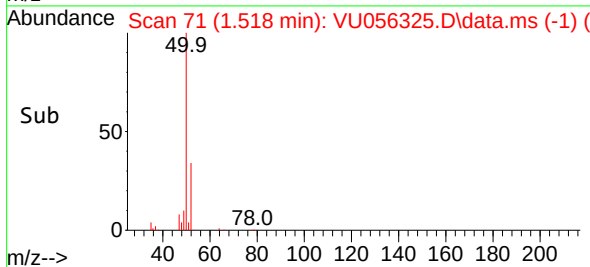
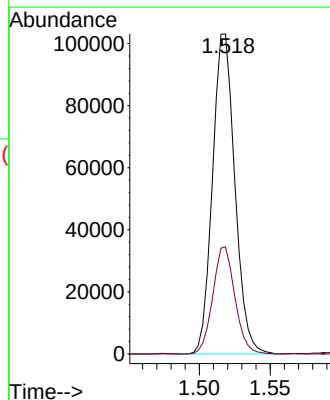
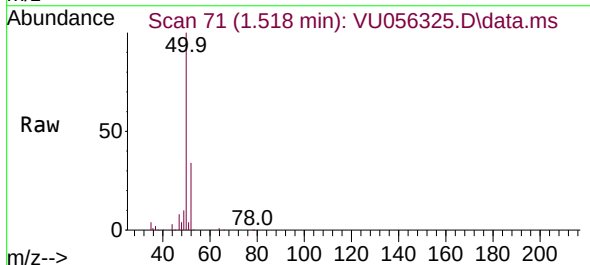
Instrument :  
 MSVOA\_U  
 ClientSampleId :

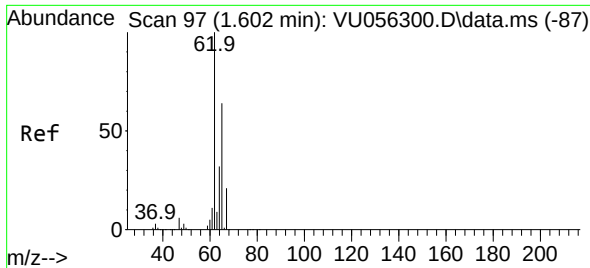
Tgt Ion: 85 Resp: 99961  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.0 37.4



#3  
 Chloromethane  
 Concen: 5.172 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

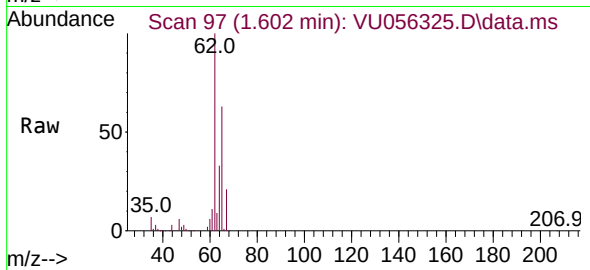
Tgt Ion: 50 Resp: 113087  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 24.3 45.1



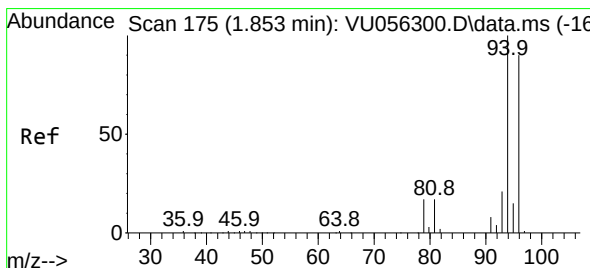
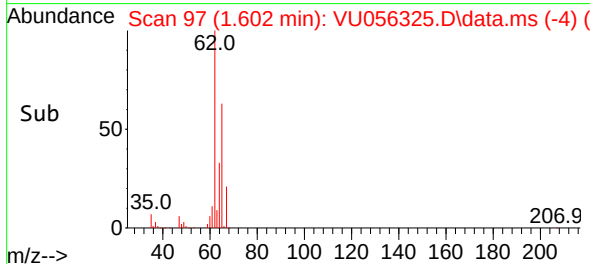
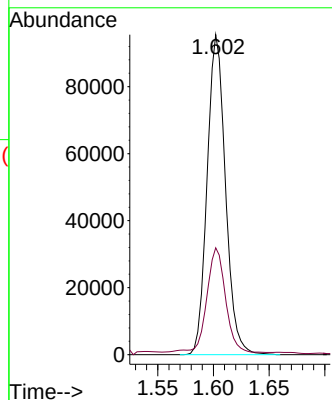


#5  
 Vinyl chloride  
 Concen: 5.197 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :

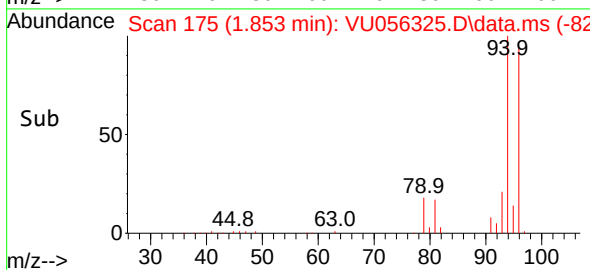
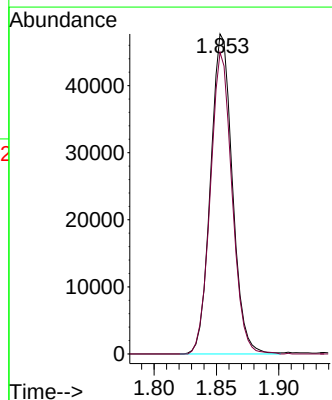
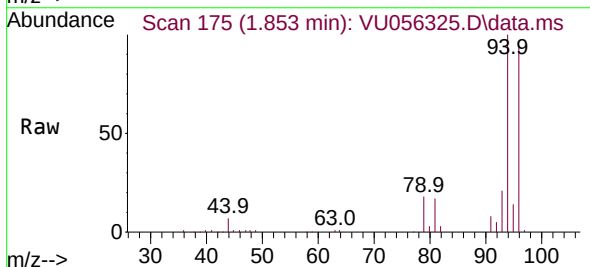


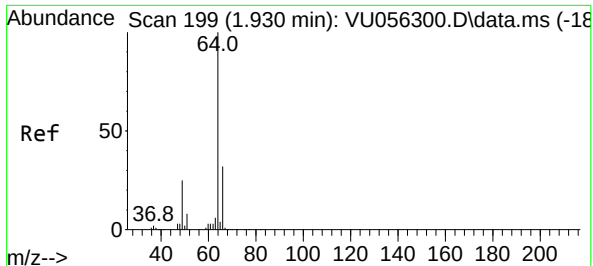
Tgt Ion: 62 Resp: 109497  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 23.3 43.3



#6  
 Bromomethane  
 Concen: 5.458 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Tgt Ion: 94 Resp: 58200  
 Ion Ratio Lower Upper  
 94 100  
 96 94.2 62.6 116.2

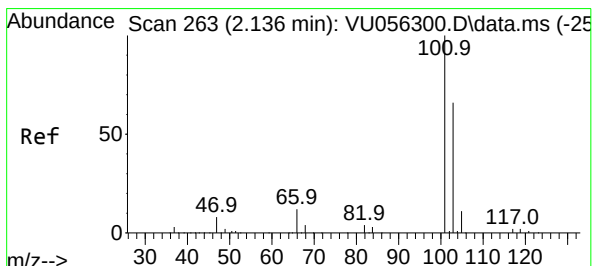
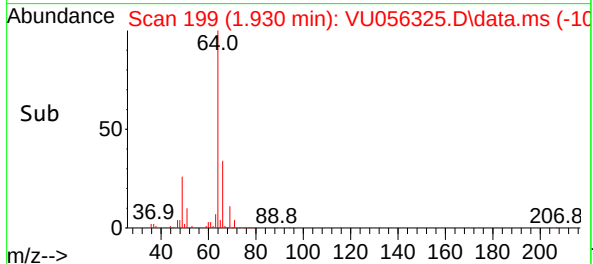
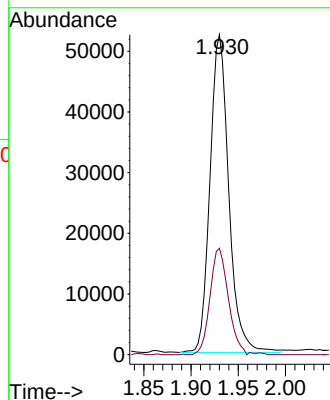
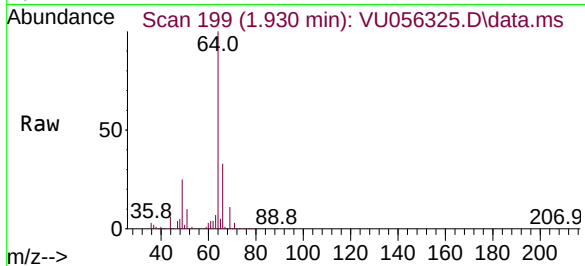




#8  
Chloroethane  
Concen: 5.615 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

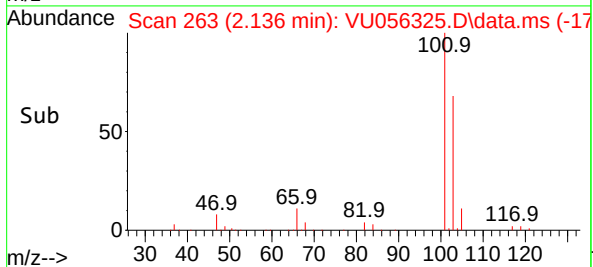
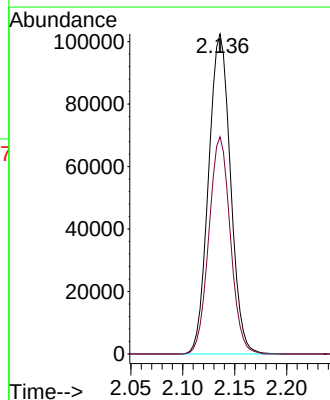
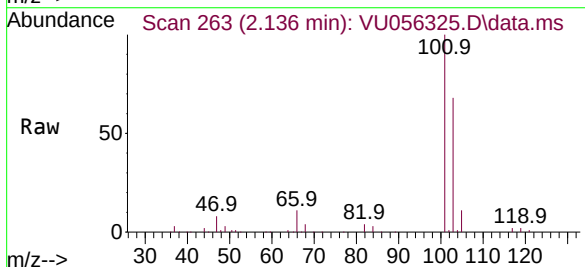
Instrument :  
MSVOA\_U  
ClientSampleId :

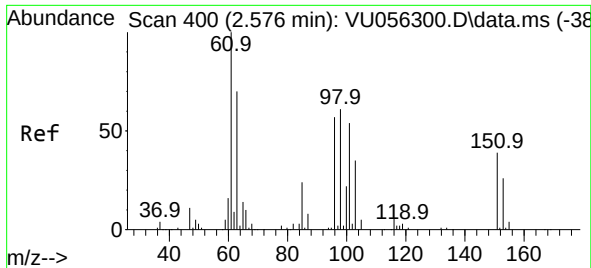
Tgt Ion: 64 Resp: 72267  
Ion Ratio Lower Upper  
64 100  
66 33.2 23.9 44.5



#9  
Trichlorofluoromethane  
Concen: 4.946 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 101 Resp: 150167  
Ion Ratio Lower Upper  
101 100  
103 66.3 52.0 78.0

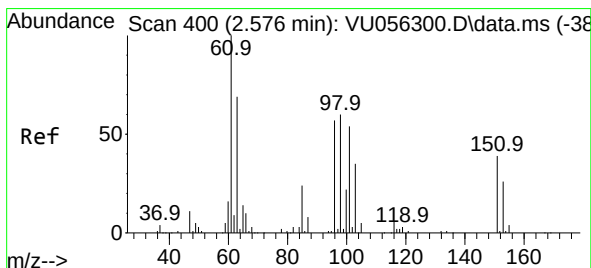
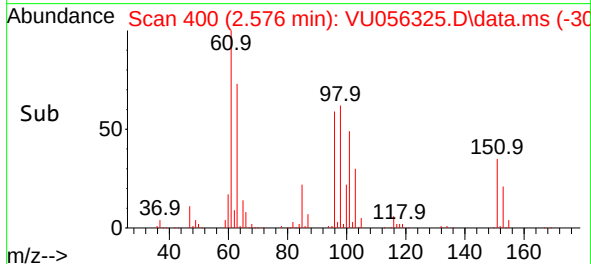
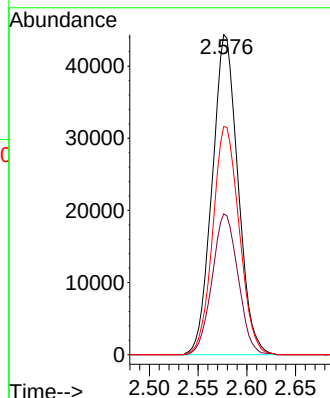
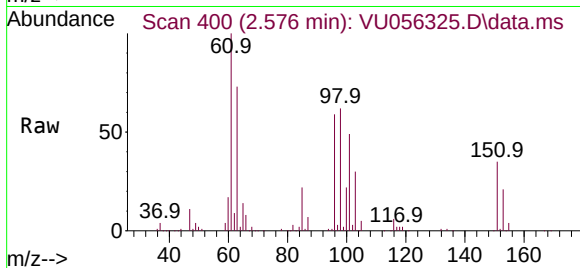




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.532 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

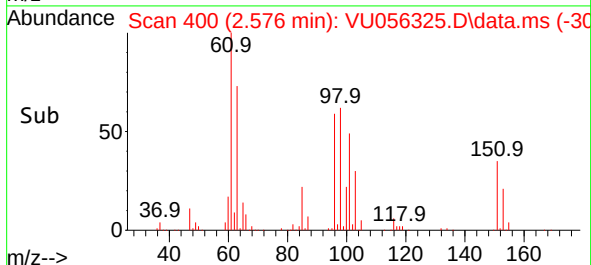
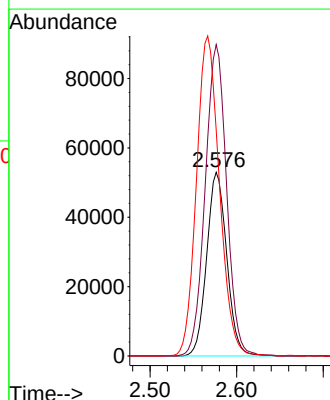
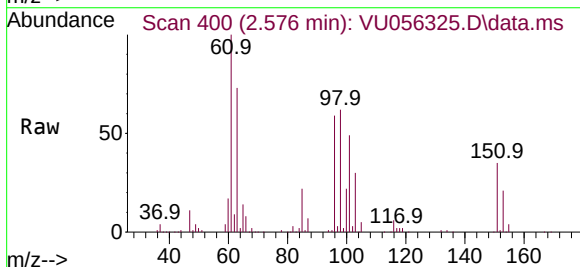
Instrument :  
 MSVOA\_U  
 ClientSampleId :

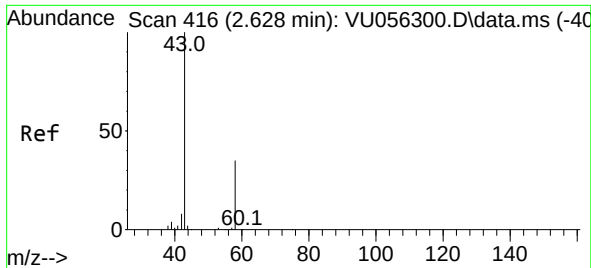
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 Ion Ratio Lower Upper  
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 151 73.1 58.0 87.0



#12  
 1,1-Dichloroethene  
 Concen: 5.158 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Tgt Ion: 96 Resp: 85270  
 Ion Ratio Lower Upper  
 96 100  
 61 169.5 123.1 228.7  
 63 123.0 93.3 173.3





#13

Acetone

Concen: 37.963 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.003 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

Instrument :

MSVOA\_U

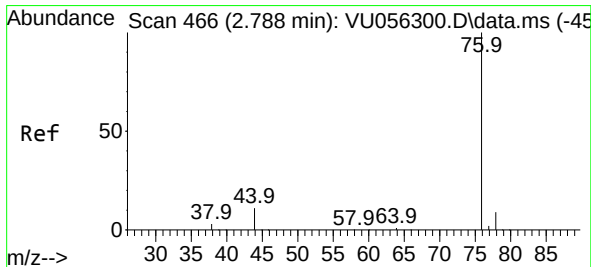
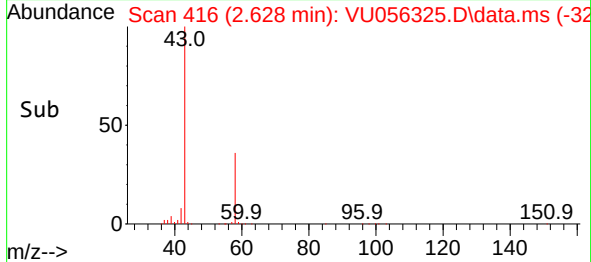
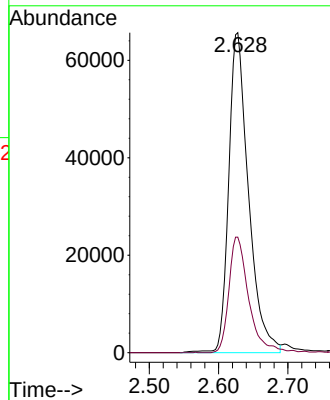
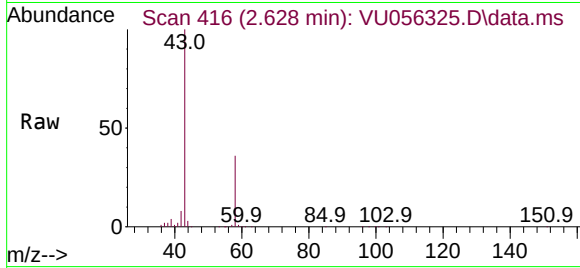
ClientSampleId :

Tgt Ion: 43 Resp: 130238

Ion Ratio Lower Upper

43 100

58 36.0 0.0 70.0



#14

Carbon disulfide

Concen: 4.911 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU056325.D

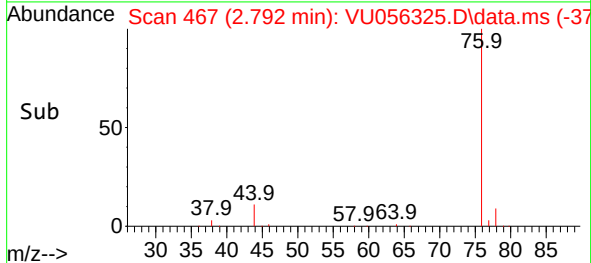
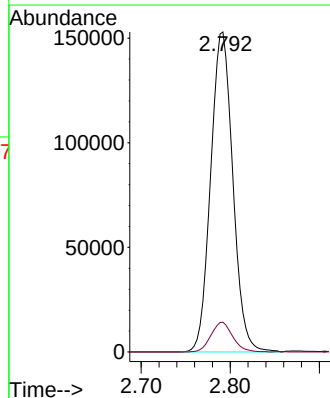
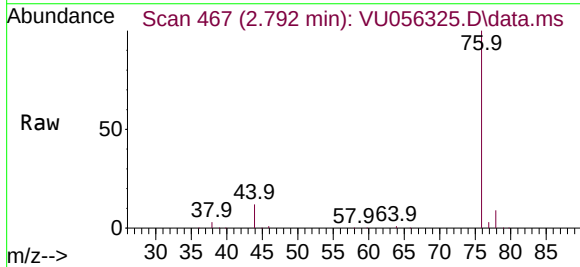
Acq: 15 Nov 2023 00:21

Tgt Ion: 76 Resp: 264207

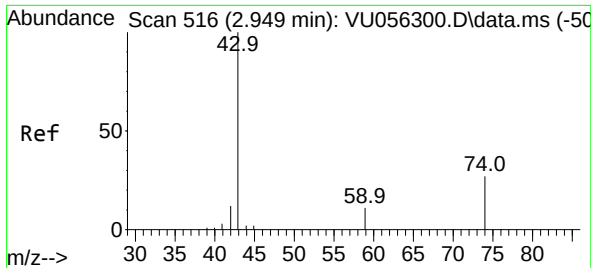
Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



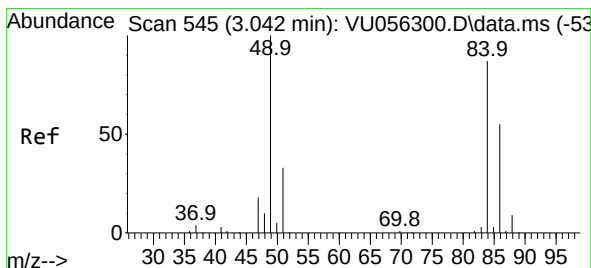
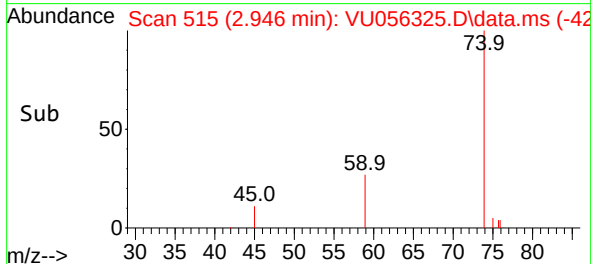
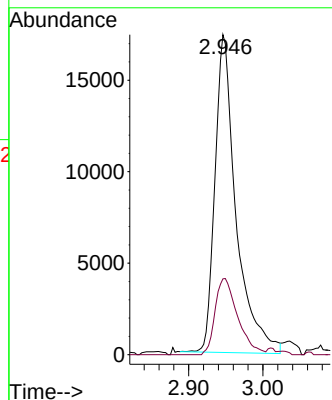
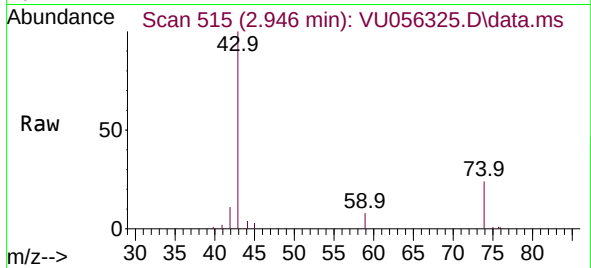




#15  
Methyl Acetate  
Concen: 5.626 ug/L  
RT: 2.946 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

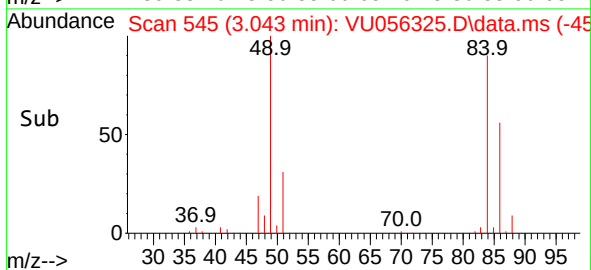
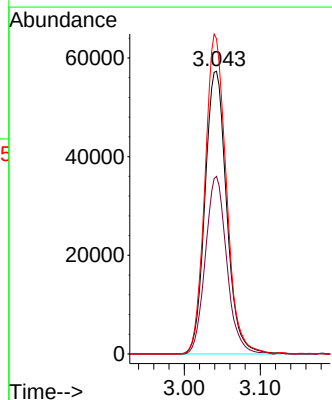
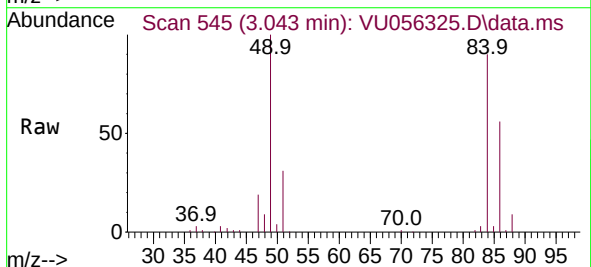
Instrument :  
MSVOA\_U  
ClientSampleId :

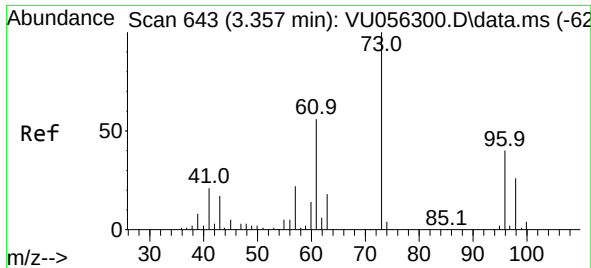
Tgt Ion: 43 Resp: 34346  
Ion Ratio Lower Upper  
43 100  
74 25.6 20.6 31.0



#16  
Methylene chloride  
Concen: 5.178 ug/L  
RT: 3.043 min Scan# 545  
Delta R.T. 0.003 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 84 Resp: 113285  
Ion Ratio Lower Upper  
84 100  
86 62.8 44.7 83.1  
49 111.5 81.8 152.0

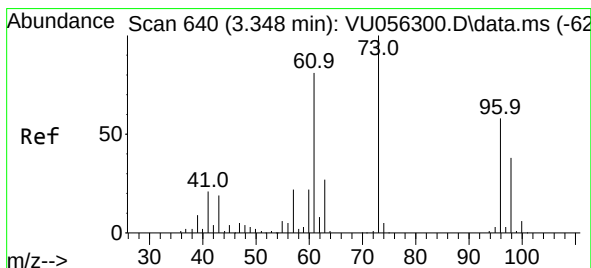
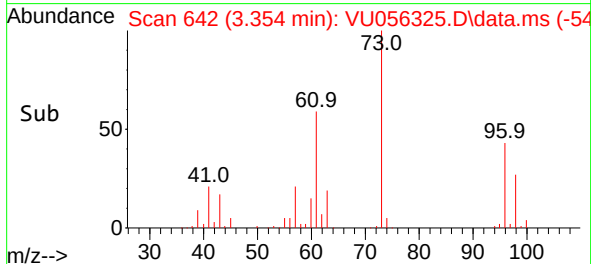
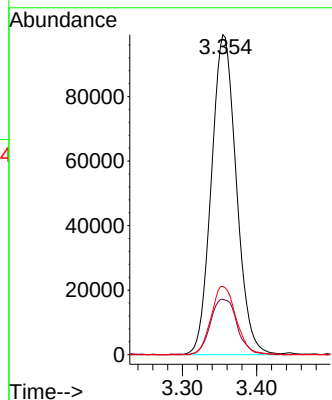
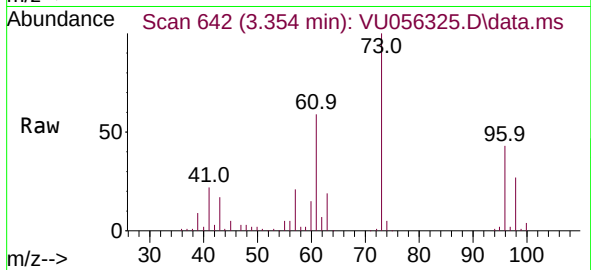




#17  
Methyl tert-butyl Ether  
Concen: 5.763 ug/L  
RT: 3.354 min Scan# 64  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

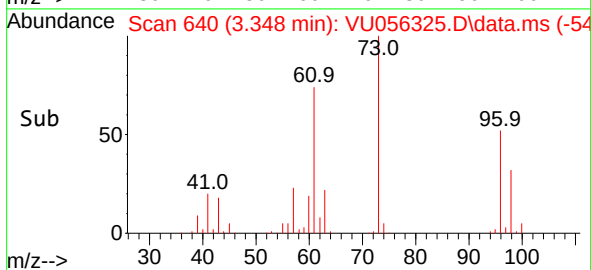
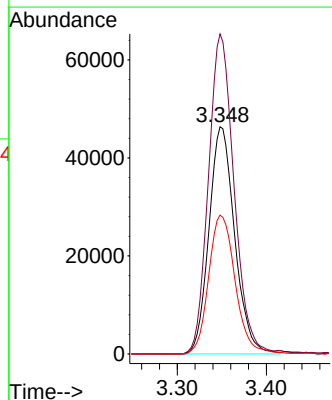
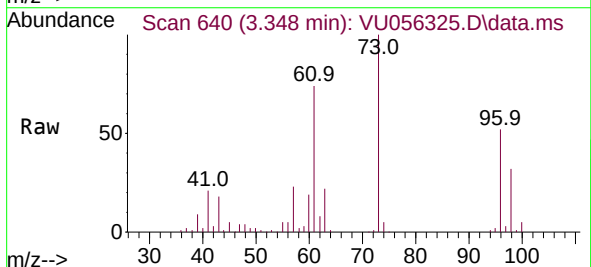
Instrument :  
MSVOA\_U  
ClientSampleId :

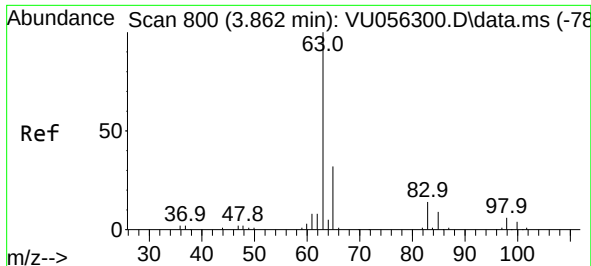
Tgt Ion: 73 Resp: 231491  
Ion Ratio Lower Upper  
73 100  
43 18.6 15.1 22.7  
57 21.4 17.8 26.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.464 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 96 Resp: 92950  
Ion Ratio Lower Upper  
96 100  
61 140.9 101.7 188.9  
98 61.1 43.0 80.0

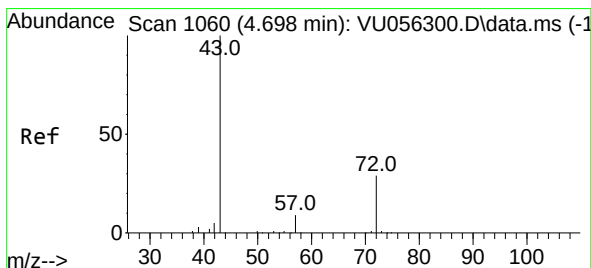
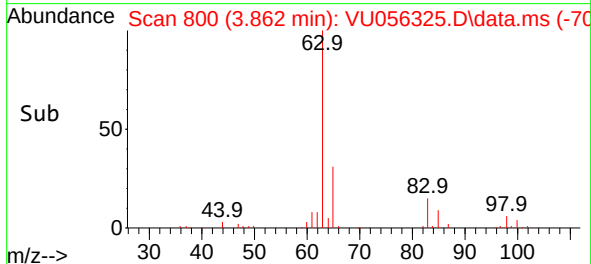
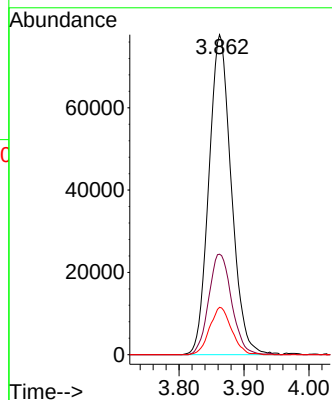
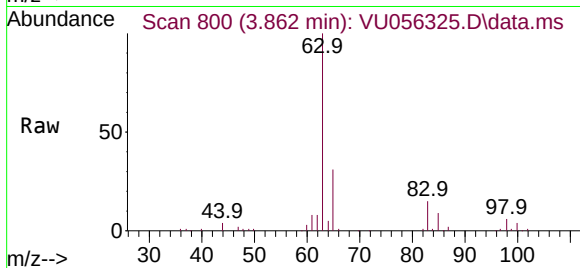




#19  
1,1-Dichloroethane  
Concen: 5.533 ug/L  
RT: 3.862 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

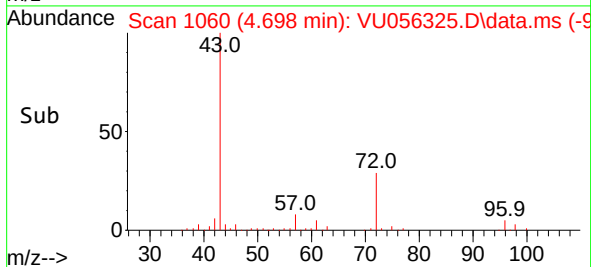
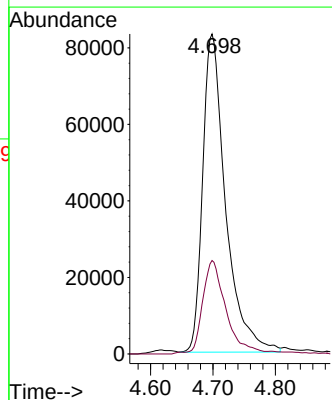
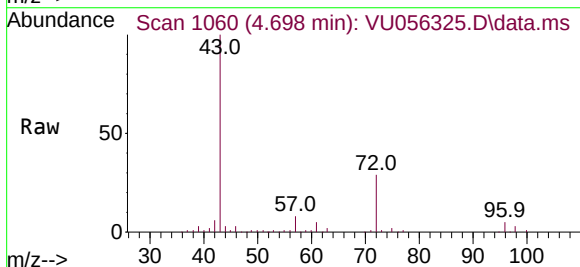
Instrument :  
MSVOA\_U  
ClientSampleId :

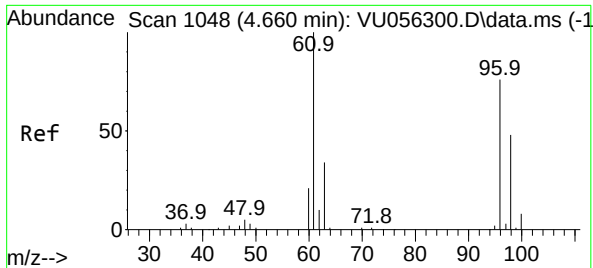
Tgt Ion: 63 Resp: 186418  
Ion Ratio Lower Upper  
63 100  
65 31.4 21.8 40.6  
83 14.8 9.7 17.9



#21  
2-Butanone  
Concen: 47.697 ug/L  
RT: 4.698 min Scan# 1060  
Delta R.T. 0.003 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

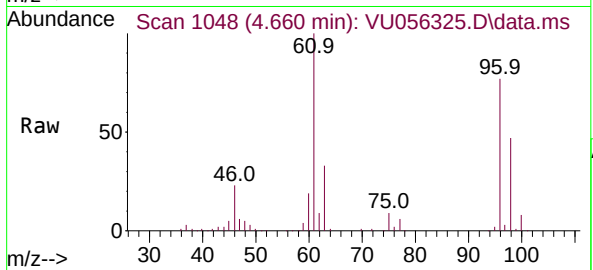
Tgt Ion: 43 Resp: 212330  
Ion Ratio Lower Upper  
43 100  
72 28.0 14.2 42.6





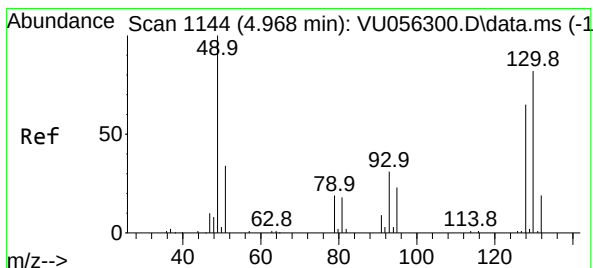
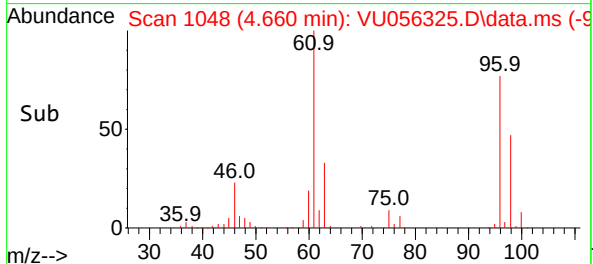
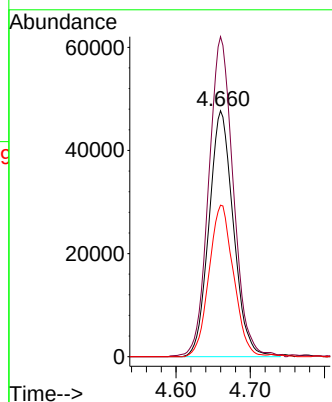
#22  
 cis-1,2-Dichloroethene  
 Concen: 5.650 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 96 Resp: 109000

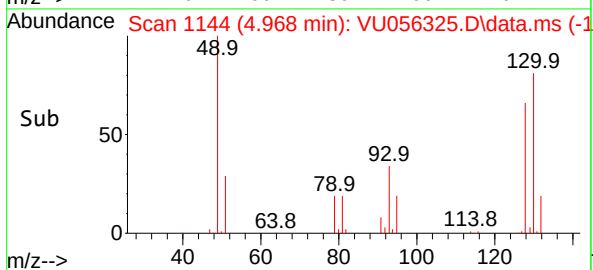
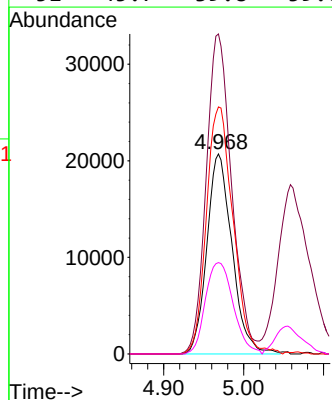
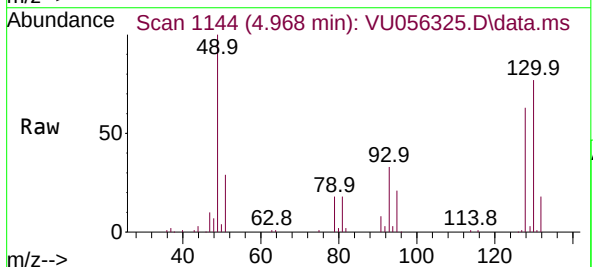
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 130.1 | 93.2  | 173.2 |
| 98  | 61.6  | 44.8  | 83.2  |

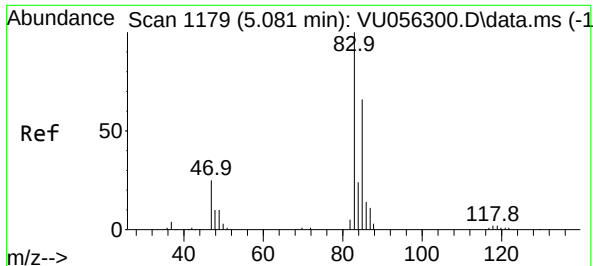


#23  
 Bromochloromethane  
 Concen: 5.715 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Tgt Ion: 128 Resp: 45376

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 160.0 | 113.4 | 210.6 |
| 130 | 123.5 | 84.8  | 157.6 |
| 51  | 45.7  | 39.8  | 59.6  |





#25

Chloroform

Concen: 5.528 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

Instrument :

MSVOA\_U

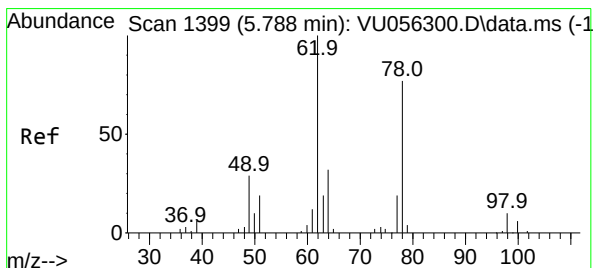
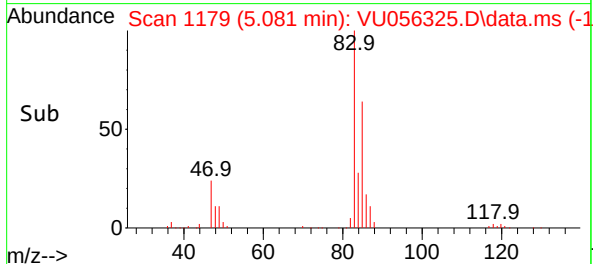
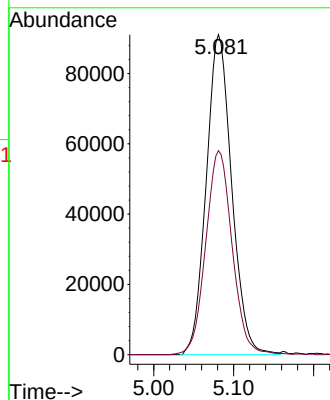
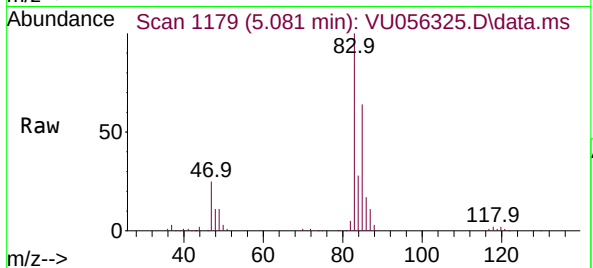
ClientSampleId :

Tgt Ion: 83 Resp: 201814

Ion Ratio Lower Upper

83 100

85 63.8 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.665 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056325.D

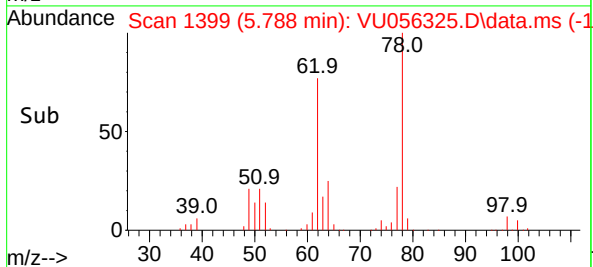
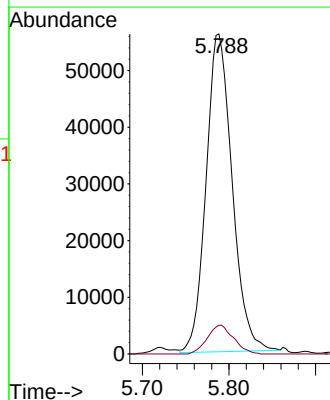
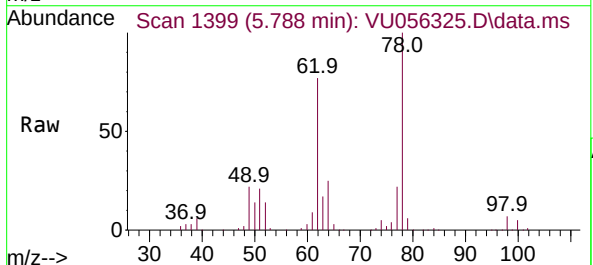
Acq: 15 Nov 2023 00:21

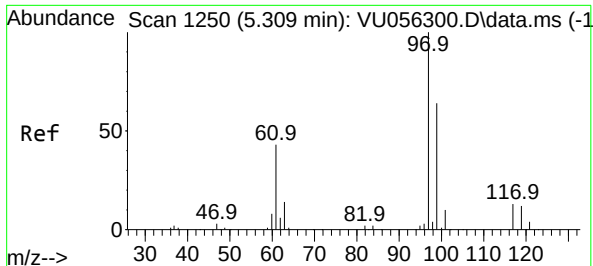
Tgt Ion: 62 Resp: 117420

Ion Ratio Lower Upper

62 100

98 8.9 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.374 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

Instrument :

MSVOA\_U

ClientSampleId :

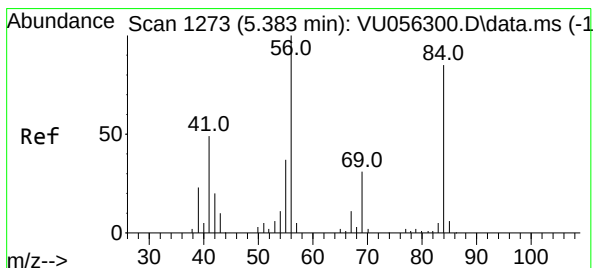
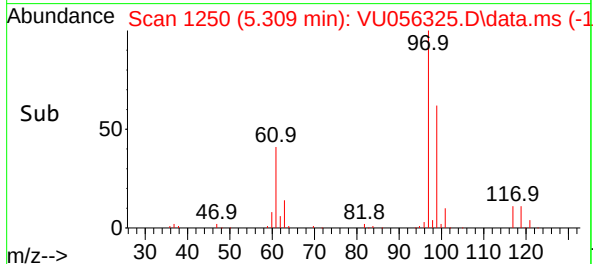
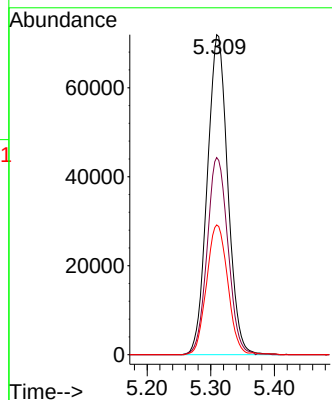
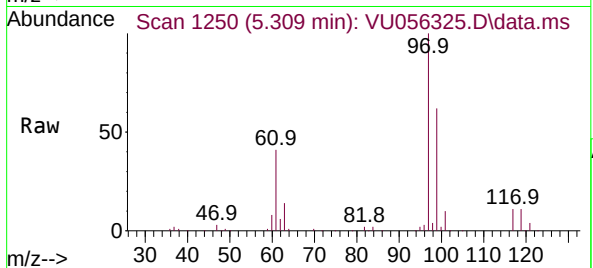
Tgt Ion: 97 Resp: 161011

Ion Ratio Lower Upper

97 100

99 62.6 51.6 77.4

61 41.8 34.3 51.5



#30

Cyclohexane

Concen: 4.333 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

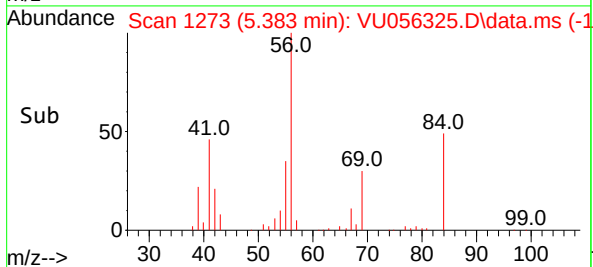
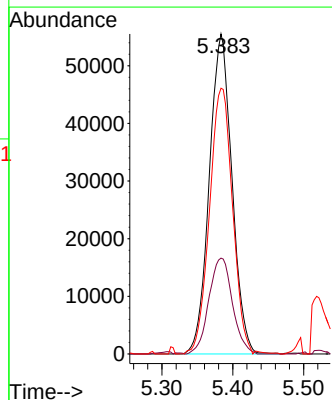
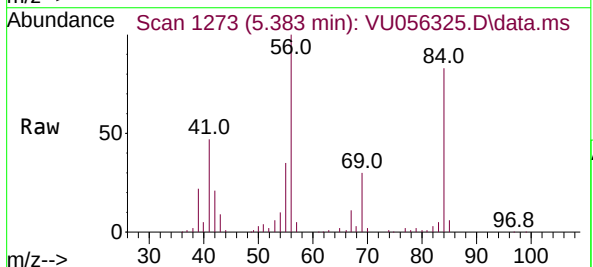
Tgt Ion: 56 Resp: 123216

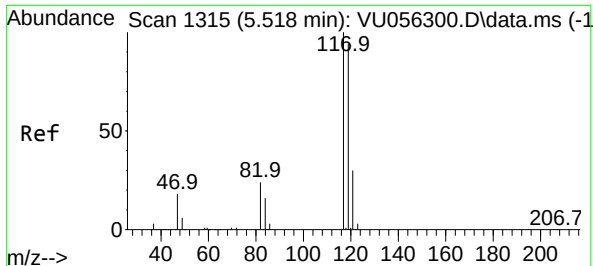
Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.2

84 84.3 68.6 103.0

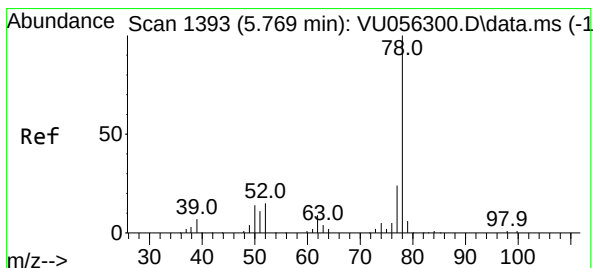
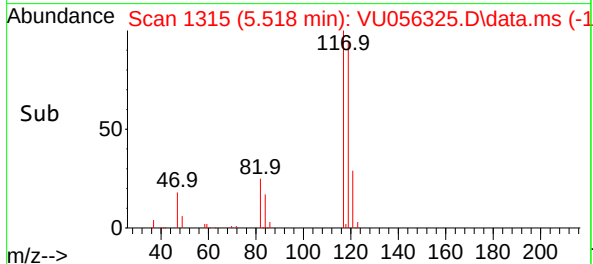
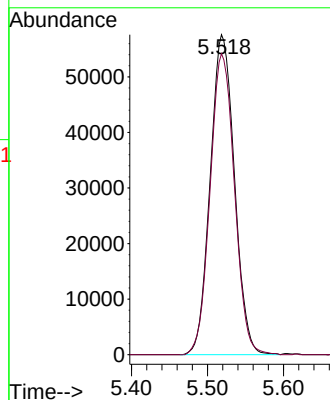
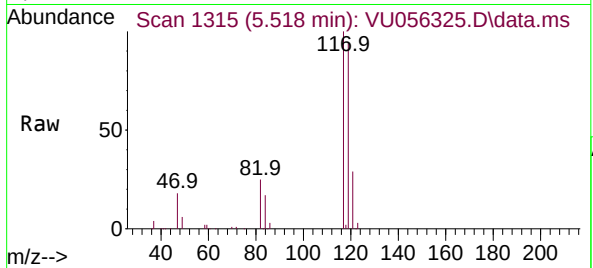




#31  
Carbon tetrachloride  
Concen: 4.952 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

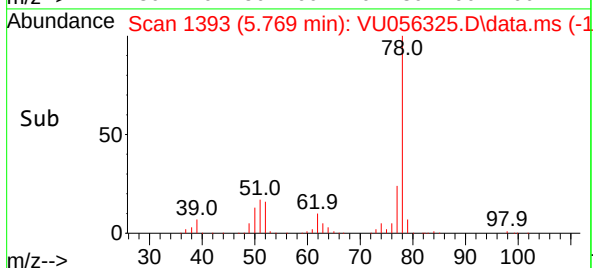
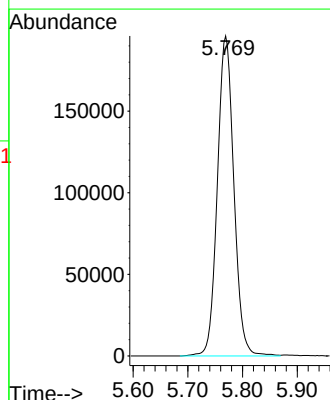
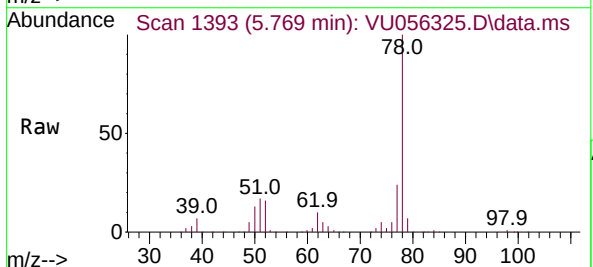
Instrument :  
MSVOA\_U  
ClientSampleId :

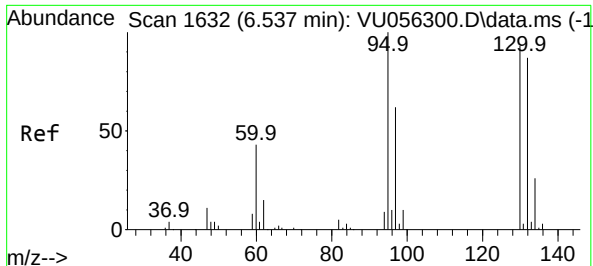
Tgt Ion:117 Resp: 127418  
Ion Ratio Lower Upper  
117 100  
119 94.6 78.1 117.1



#33  
Benzene  
Concen: 5.516 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 78 Resp: 410742

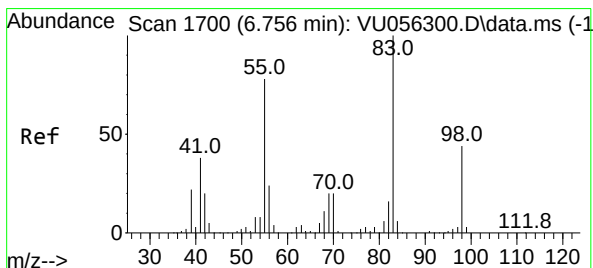
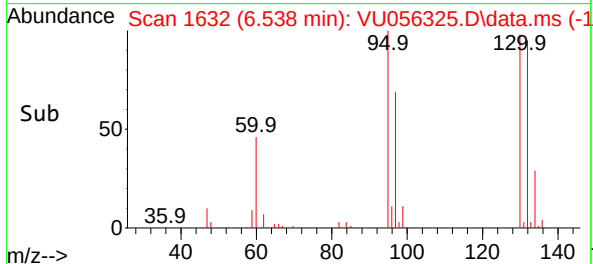
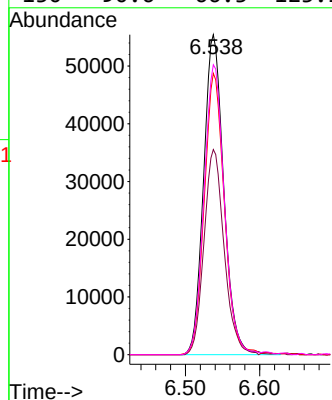
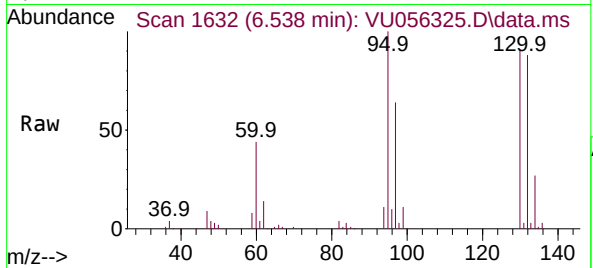




#34  
Trichloroethene  
Concen: 5.153 ug/L  
RT: 6.538 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

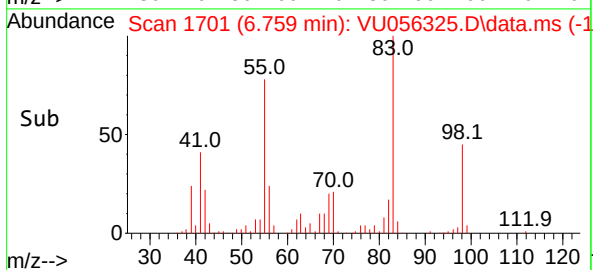
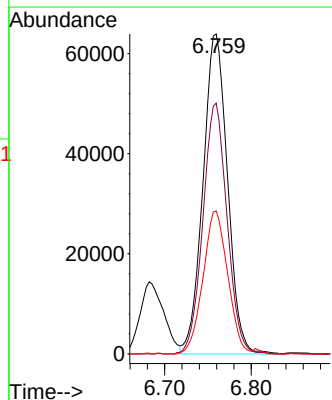
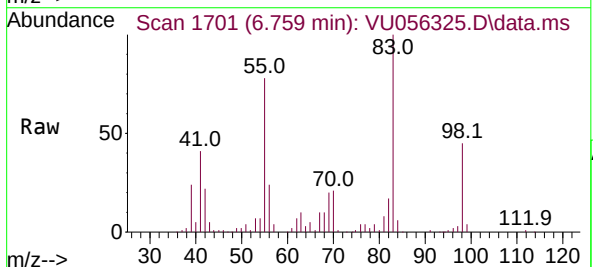
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 104558  
Ion Ratio Lower Upper  
95 100  
97 64.1 46.5 86.3  
132 87.9 62.0 115.2  
130 90.6 66.3 123.1

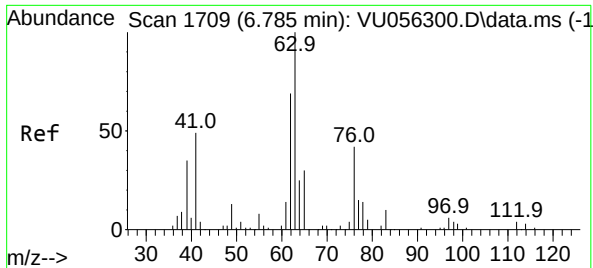


#35  
Methylcyclohexane  
Concen: 4.297 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 83 Resp: 125859  
Ion Ratio Lower Upper  
83 100  
55 77.1 62.9 94.3  
98 44.9 35.3 52.9



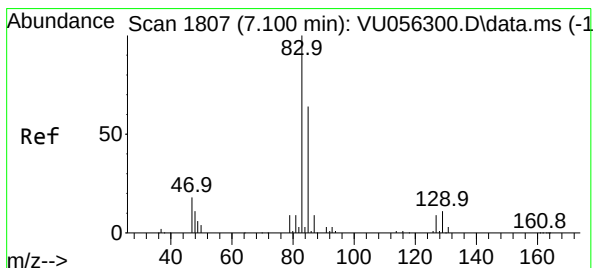
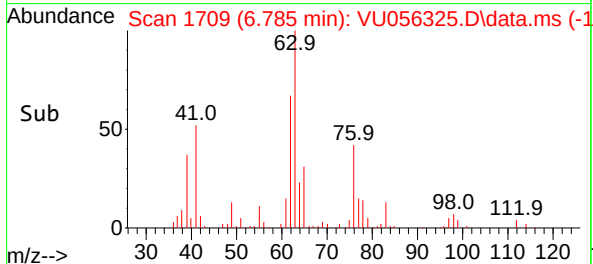
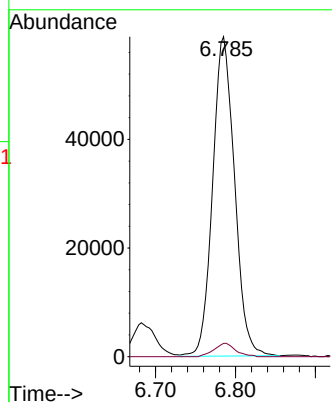
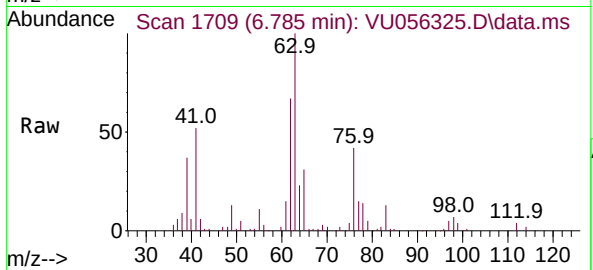




#37  
1,2-Dichloropropane  
Concen: 5.760 ug/L  
RT: 6.785 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

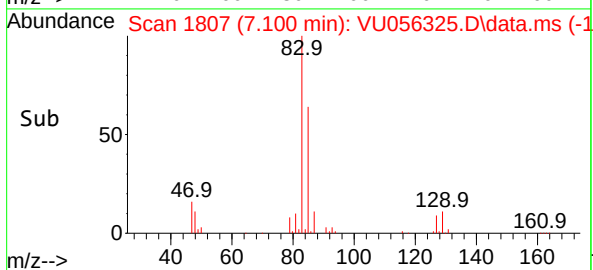
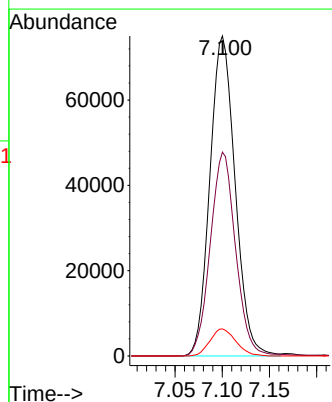
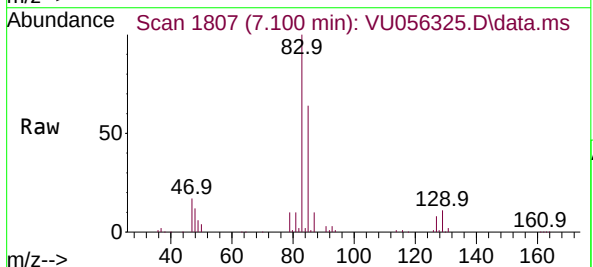
Instrument :  
MSVOA\_U  
ClientSampleId :

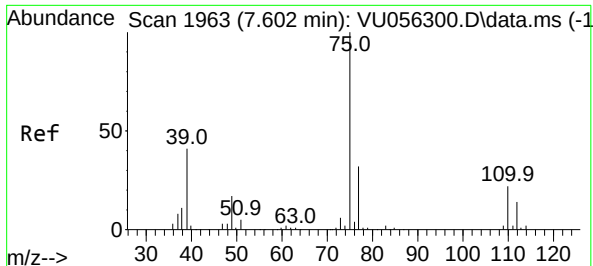
Tgt Ion: 63 Resp: 111865  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.2 4.8



#38  
Bromodichloromethane  
Concen: 5.556 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 83 Resp: 139297  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.9 83.5  
127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.526 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

Instrument :

MSVOA\_U

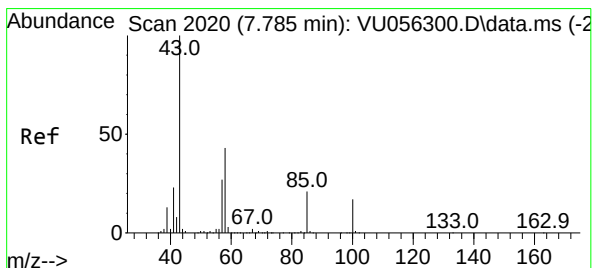
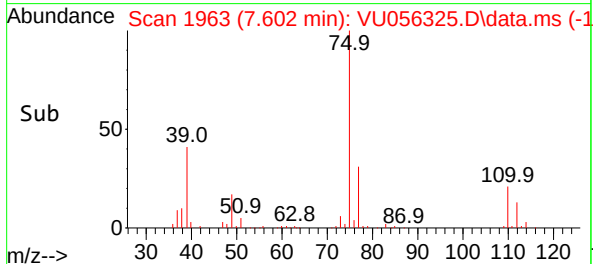
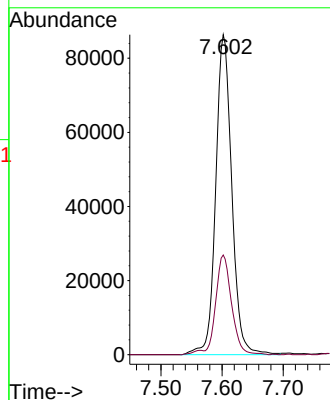
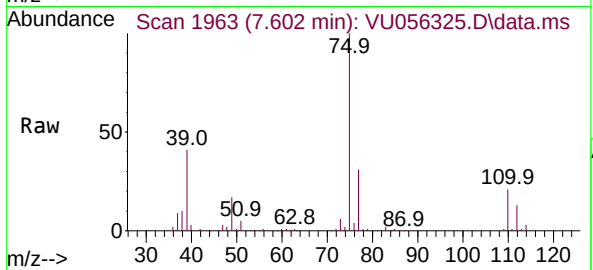
ClientSampleId :

Tgt Ion: 75 Resp: 157697

Ion Ratio Lower Upper

75 100

77 31.2 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 57.038 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

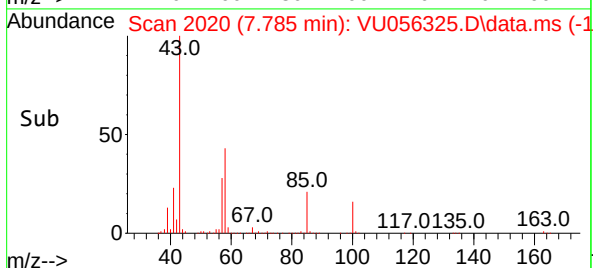
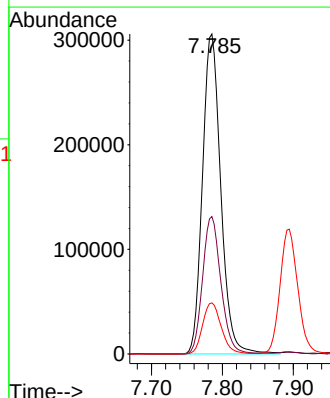
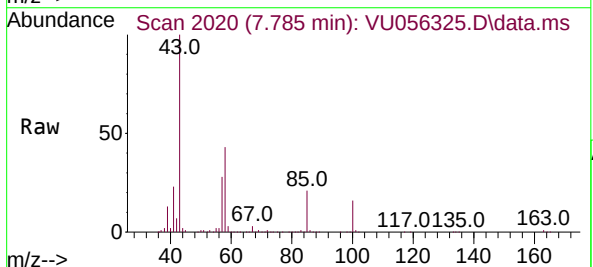
Tgt Ion: 43 Resp: 549099

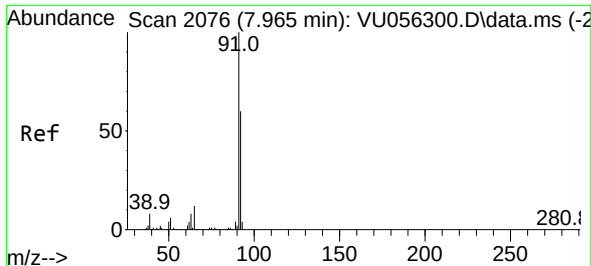
Ion Ratio Lower Upper

43 100

58 43.1 33.8 50.8

100 16.3 13.0 19.4





#42

Toluene

Concen: 5.333 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

Instrument :

MSVOA\_U

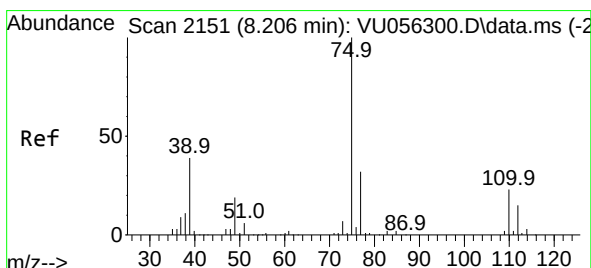
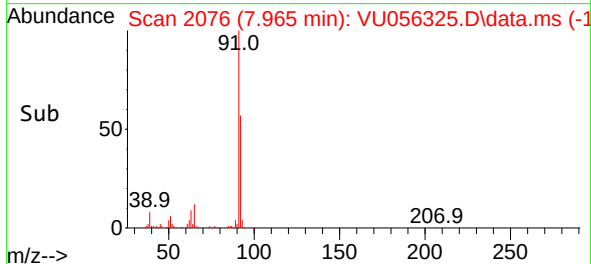
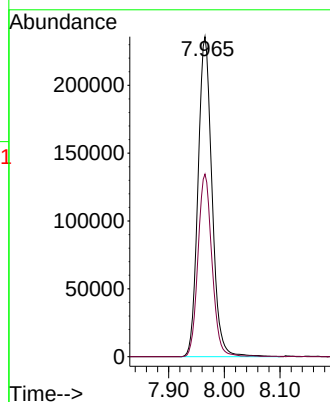
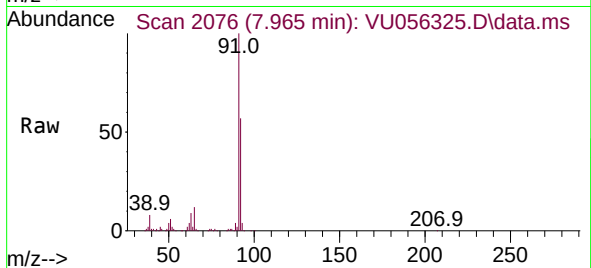
ClientSampleId :

Tgt Ion: 91 Resp: 411137

Ion Ratio Lower Upper

91 100

92 57.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.553 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU056325.D

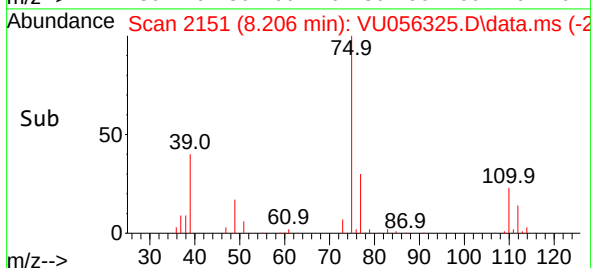
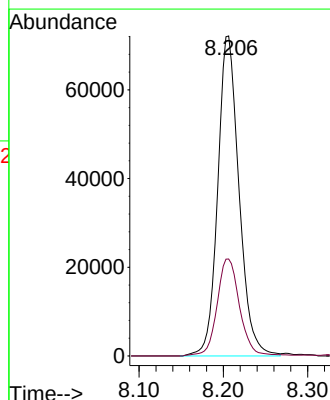
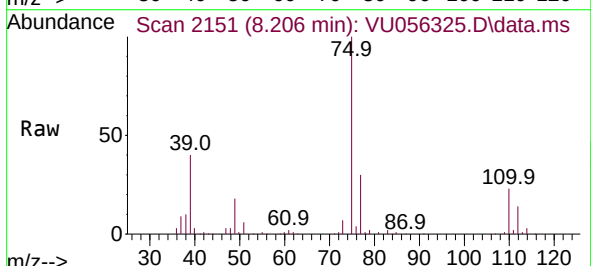
Acq: 15 Nov 2023 00:21

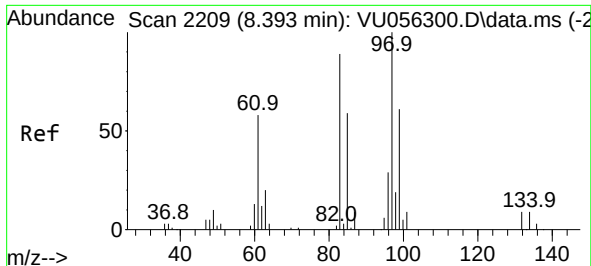
Tgt Ion: 75 Resp: 126324

Ion Ratio Lower Upper

75 100

77 30.3 22.8 42.4

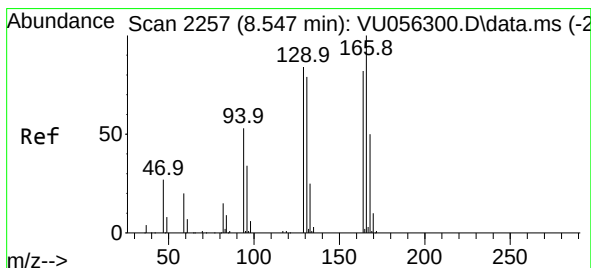
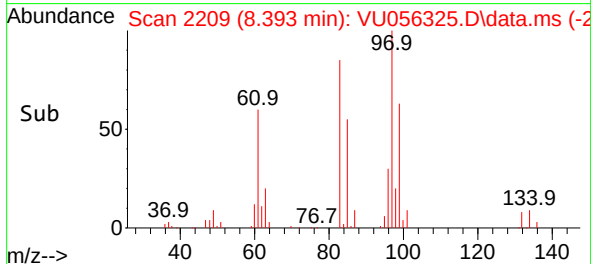
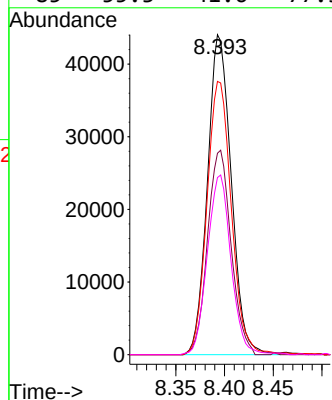
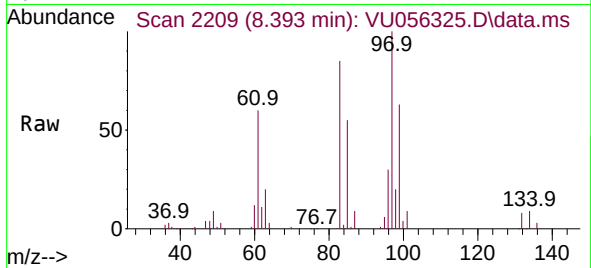




#45  
1,1,2-Trichloroethane  
Concen: 5.790 ug/L  
RT: 8.393 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

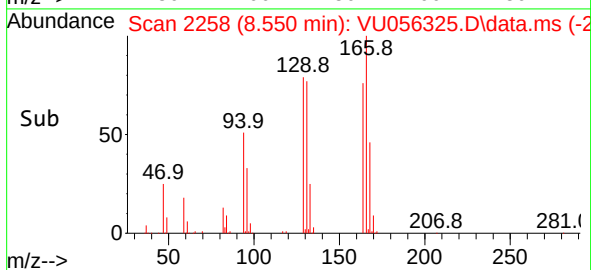
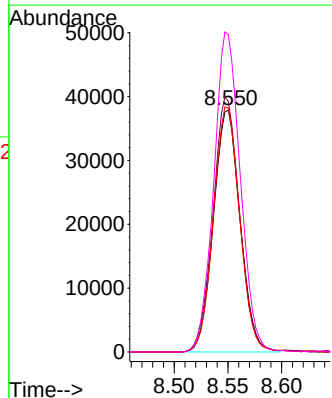
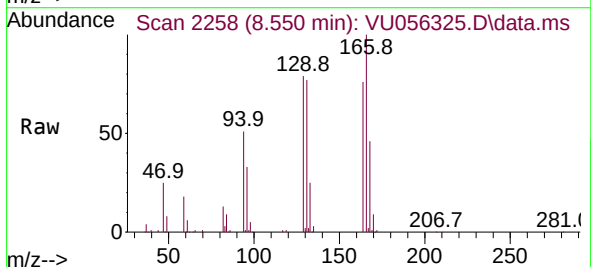
Instrument :  
MSVOA\_U  
ClientSampleId :

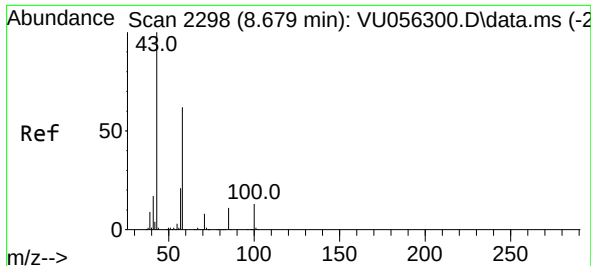
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 74886 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.0  | 44.3  | 82.3  |
| 83       | 85.4  | 65.4  | 121.4 |
| 85       | 55.3  | 41.6  | 77.3  |



#47  
Tetrachloroethene  
Concen: 4.768 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.003 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

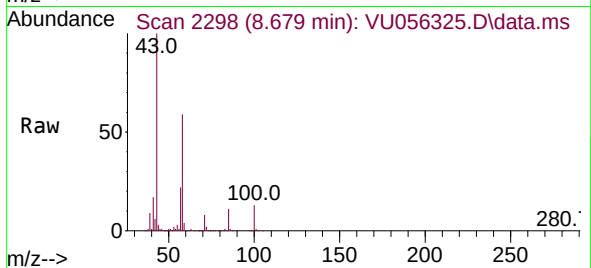
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 65238 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 103.5 | 71.0  | 131.9 |
| 131      | 100.8 | 70.3  | 130.7 |
| 166      | 131.1 | 89.8  | 166.8 |





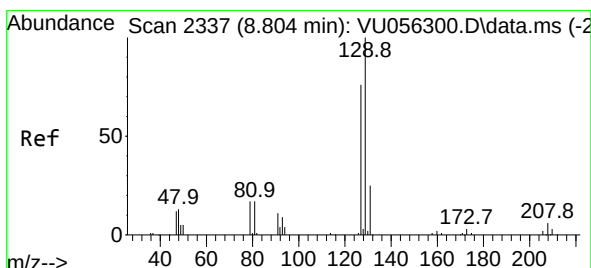
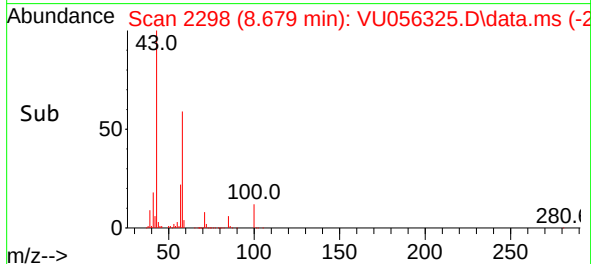
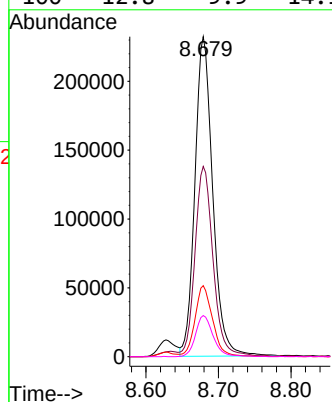
#48  
2-Hexanone  
Concen: 53.004 ug/L  
RT: 8.679 min Scan# 2298  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 43 Resp: 397517

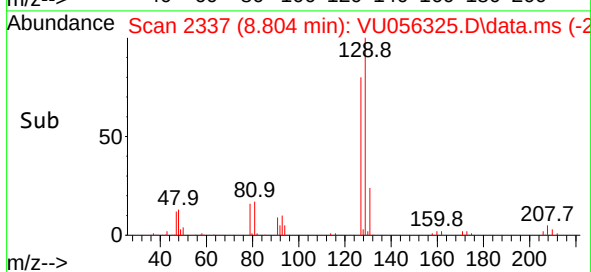
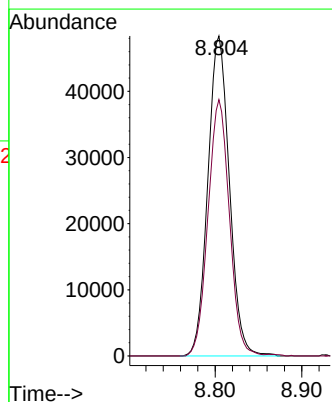
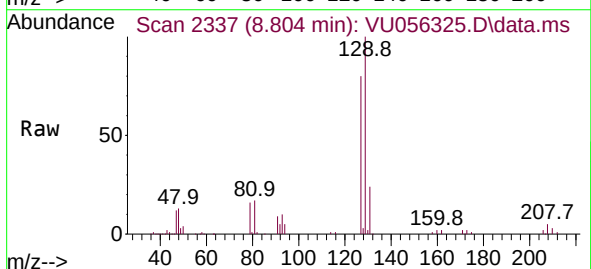
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 59.4  | 48.7  | 73.1  |
| 57  | 21.7  | 16.8  | 25.2  |
| 100 | 12.8  | 9.9   | 14.9  |

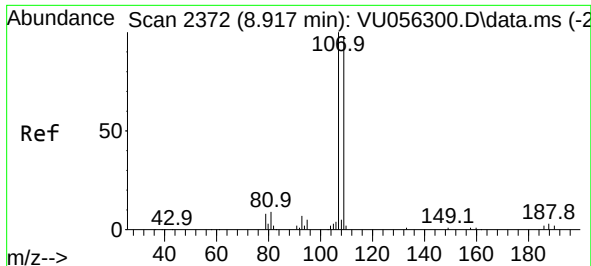


#49  
Dibromochloromethane  
Concen: 5.685 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 129 Resp: 83615

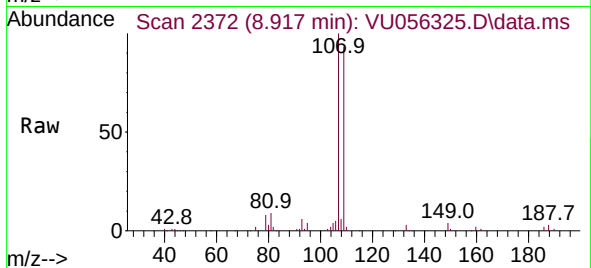
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 80.1  | 52.9  | 98.3  |



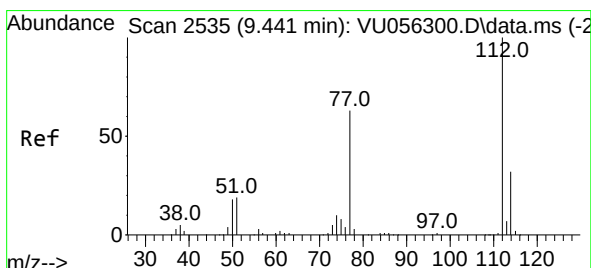
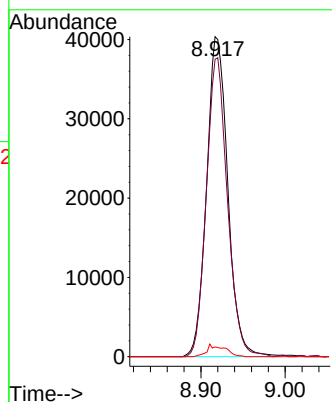
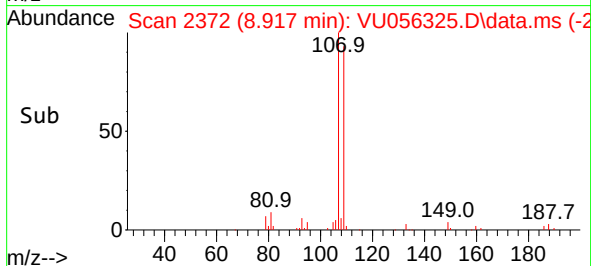


#50  
1,2-Dibromoethane  
Concen: 5.789 ug/L  
RT: 8.917 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Instrument :  
MSVOA\_U  
ClientSampleId :

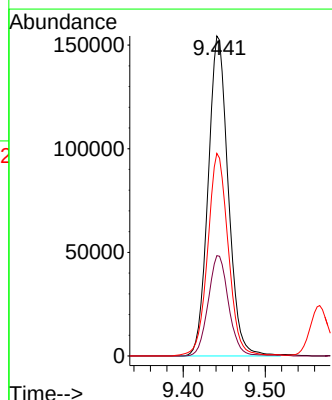
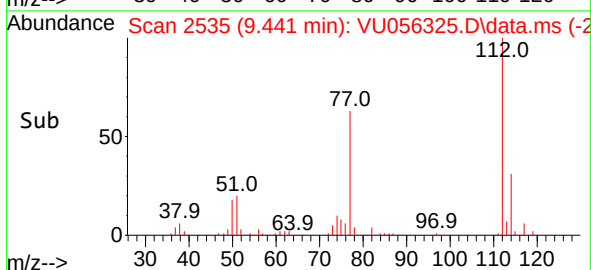
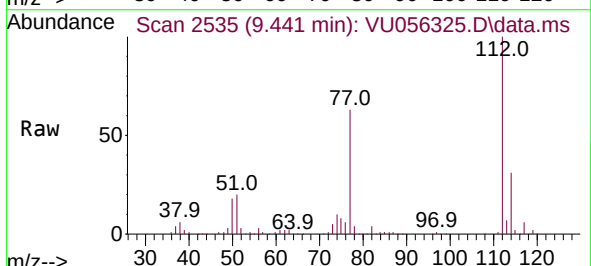


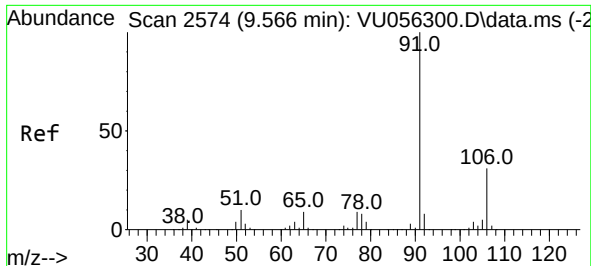
Tgt Ion:107 Resp: 70683  
Ion Ratio Lower Upper  
107 100  
109 93.0 64.2 119.2  
188 3.0 2.6 4.0



#51  
Chlorobenzene  
Concen: 5.308 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion:112 Resp: 262970  
Ion Ratio Lower Upper  
112 100  
114 31.3 22.5 41.7  
77 63.3 51.7 77.5

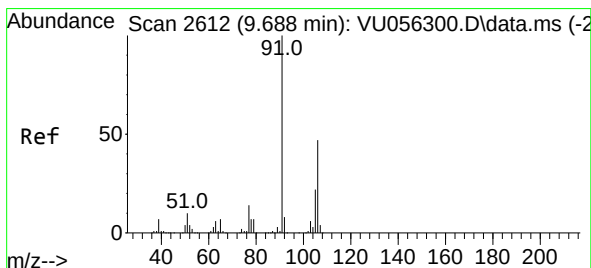
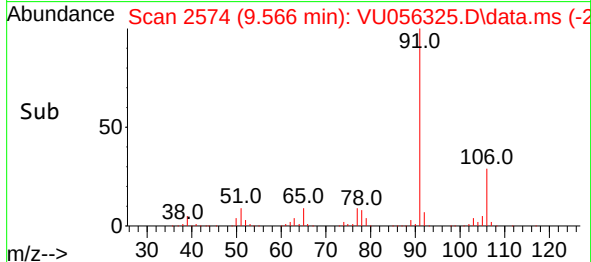
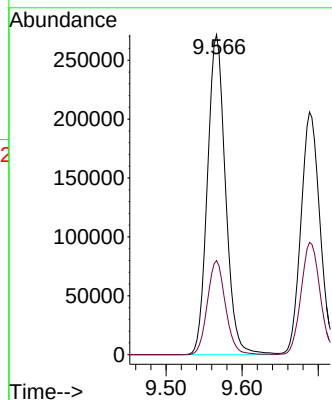
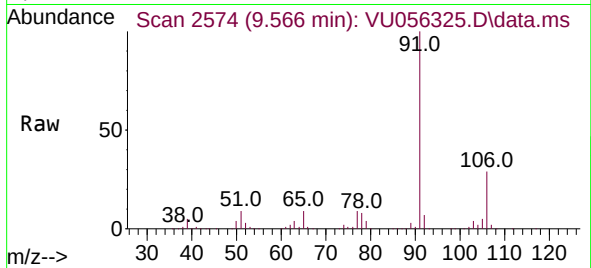




#52  
Ethylbenzene  
Concen: 5.233 ug/L  
RT: 9.566 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

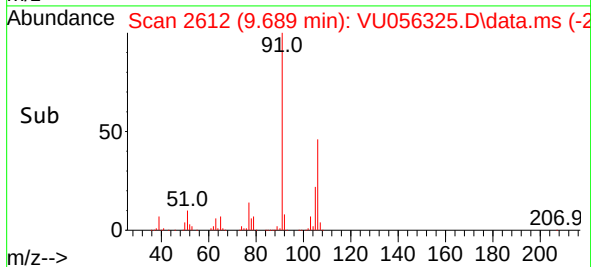
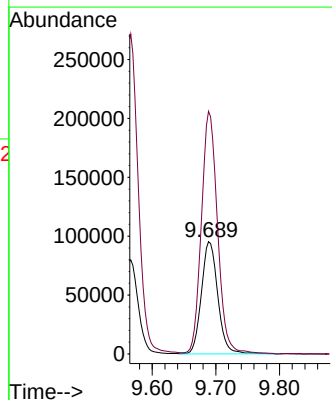
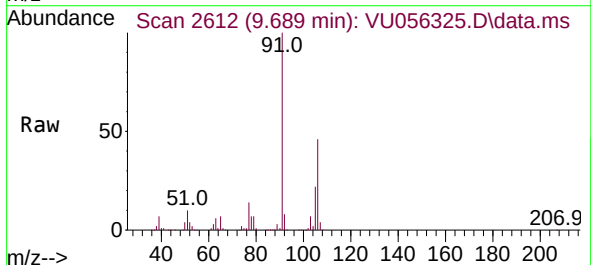
Instrument :  
MSVOA\_U  
ClientSampleId :

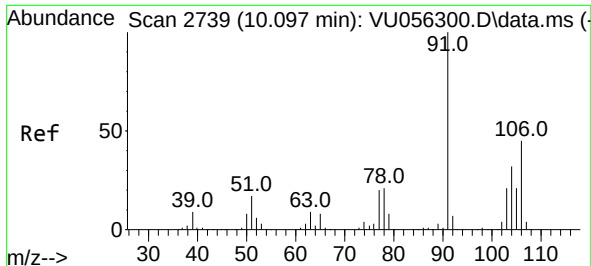
Tgt Ion: 91 Resp: 447998  
Ion Ratio Lower Upper  
91 100  
106 29.4 21.1 39.1



#53  
m,p-Xylene  
Concen: 5.390 ug/L  
RT: 9.689 min Scan# 2612  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 106 Resp: 169660  
Ion Ratio Lower Upper  
106 100  
91 216.2 149.6 277.8

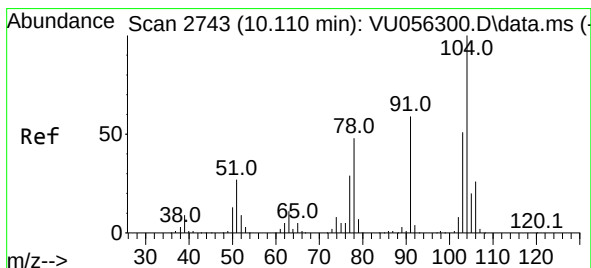
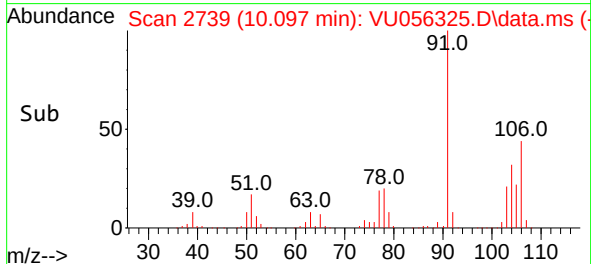
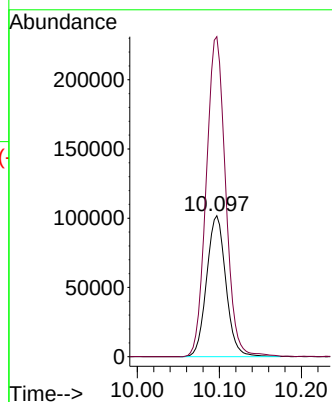
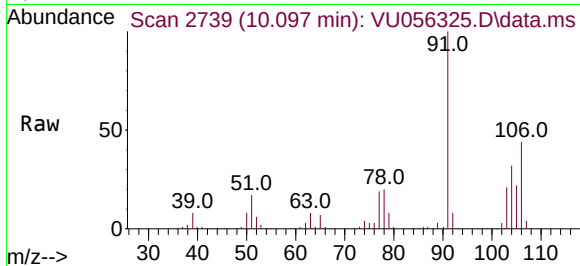




#54  
o-Xylene  
Concen: 5.427 ug/L  
RT: 10.097 min Scan# 2739  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

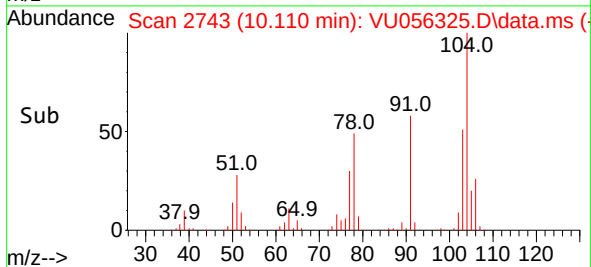
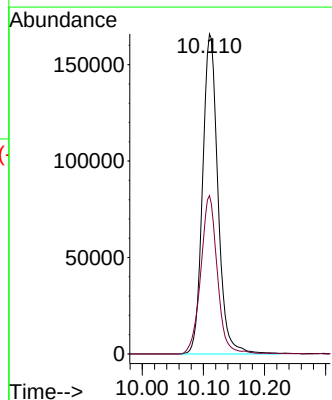
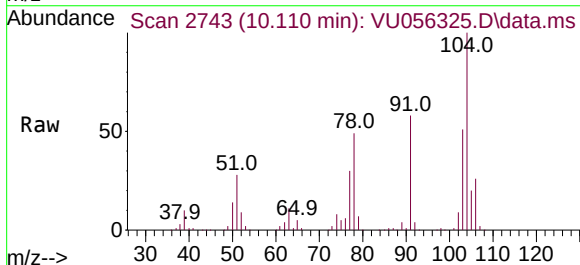
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 165932  
Ion Ratio Lower Upper  
106 100  
91 227.0 159.3 295.9

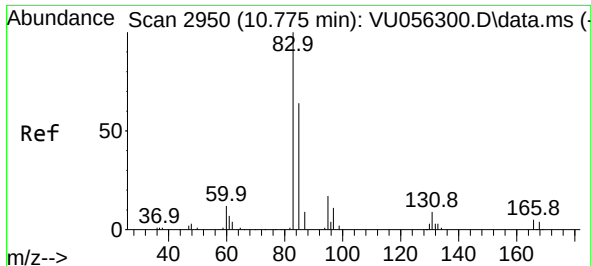


#55  
Styrene  
Concen: 5.692 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion:104 Resp: 289469  
Ion Ratio Lower Upper  
104 100  
78 49.5 34.2 63.6







#57

1,1,2,2-Tetrachloroethane

Concen: 6.003 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

Instrument :

MSVOA\_U

ClientSampleId :

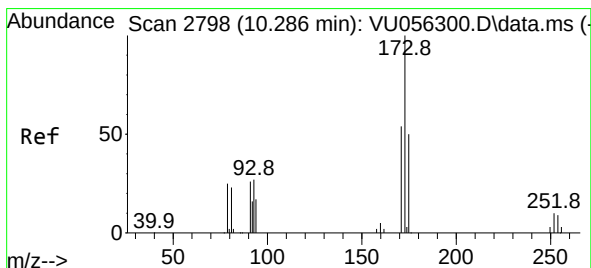
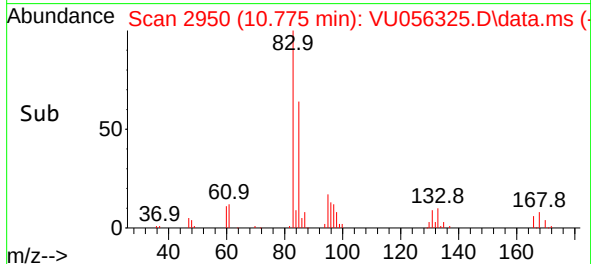
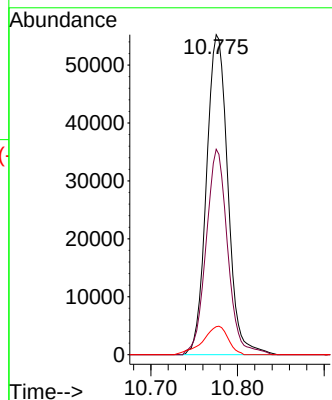
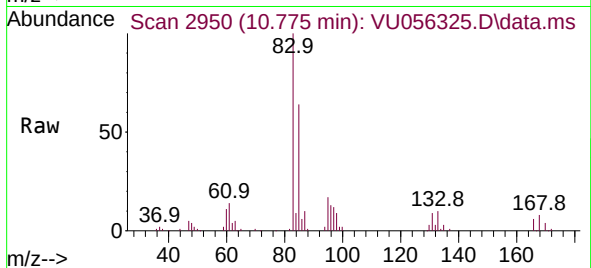
Tgt Ion: 83 Resp: 94805

Ion Ratio Lower Upper

83 100

85 64.2 46.3 86.1

131 8.8 6.7 10.1



#59

Bromoform

Concen: 6.093 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU056325.D

Acq: 15 Nov 2023 00:21

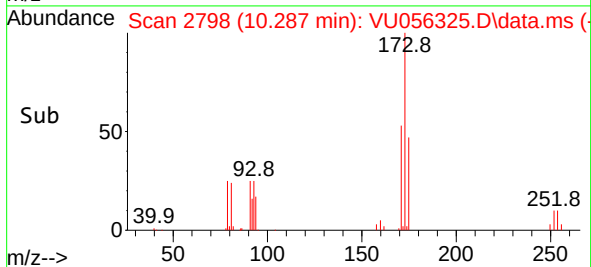
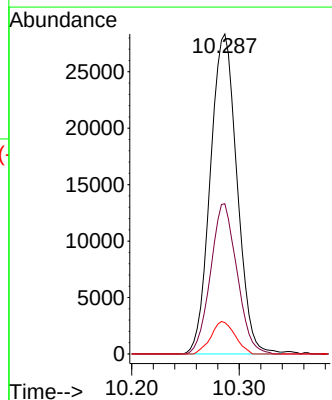
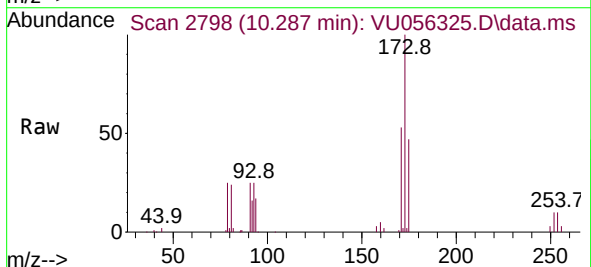
Tgt Ion:173 Resp: 48818

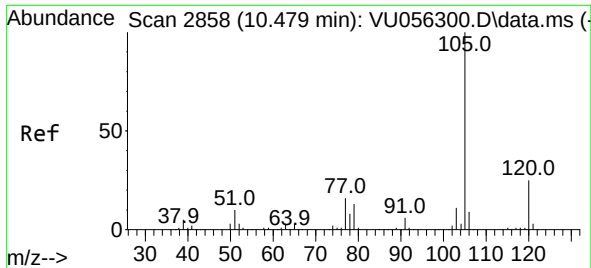
Ion Ratio Lower Upper

173 100

175 46.5 38.9 58.3

254 9.2 6.7 10.1

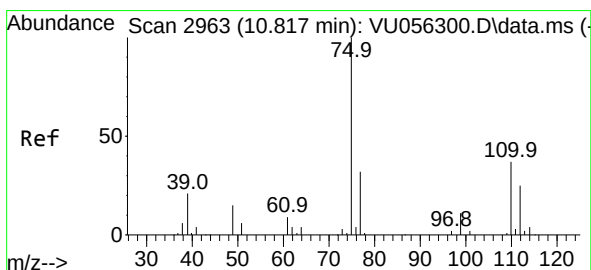
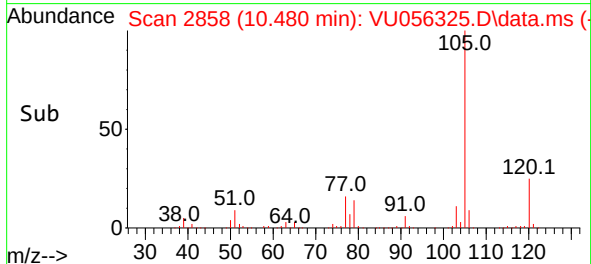
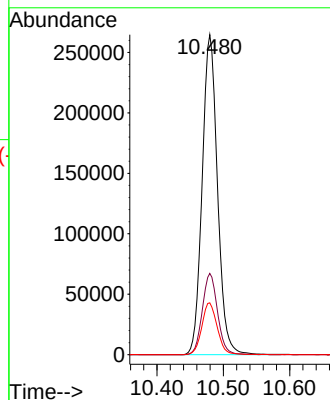
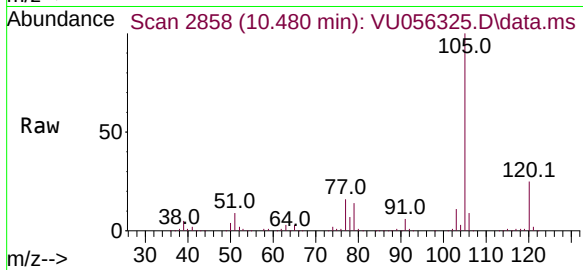




#60  
Isopropylbenzene  
Concen: 5.119 ug/L  
RT: 10.480 min Scan# 2858  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

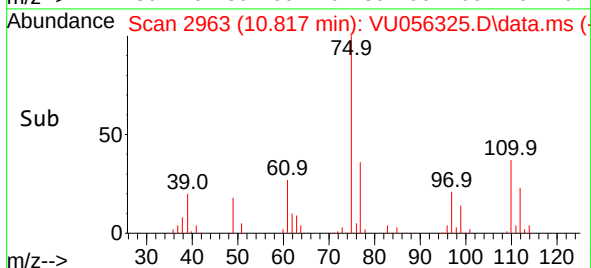
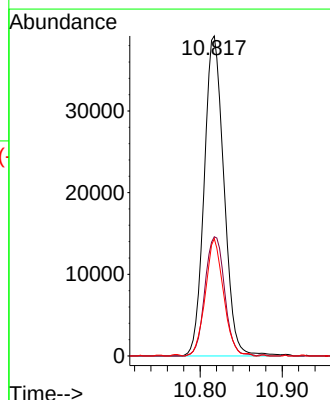
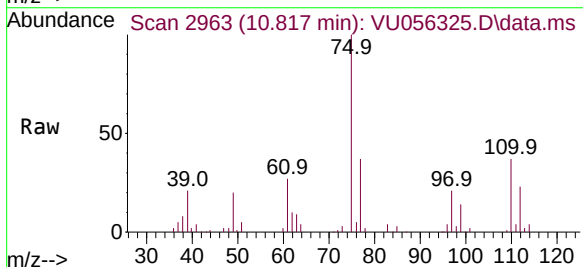
Instrument :  
MSVOA\_U  
ClientSampleId :

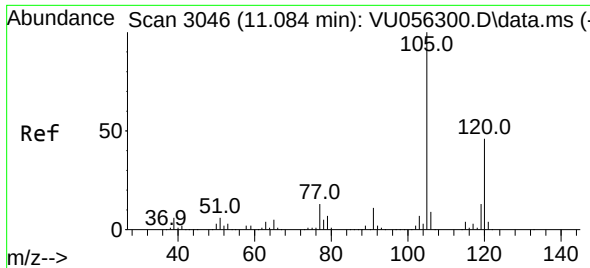
Tgt Ion:105 Resp: 424692  
Ion Ratio Lower Upper  
105 100  
120 25.2 20.4 30.6  
77 16.3 13.3 19.9



#61  
1,2,3-Trichloropropane  
Concen: 5.931 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion: 75 Resp: 65465  
Ion Ratio Lower Upper  
75 100  
110 37.2 30.4 45.6  
77 33.9 27.0 40.6

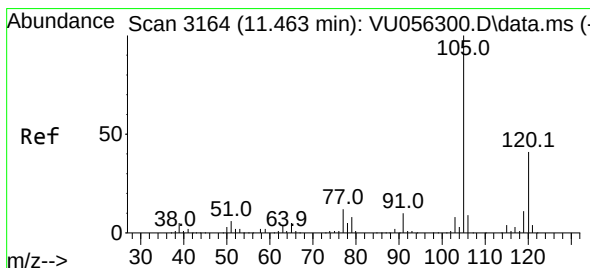
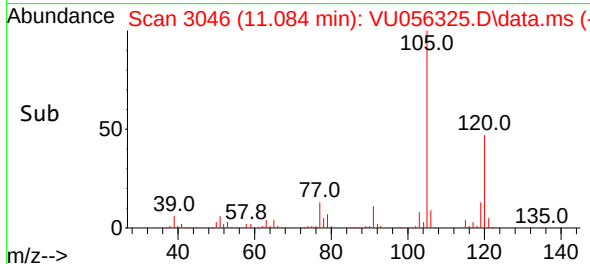
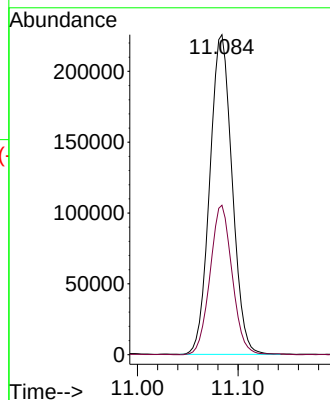
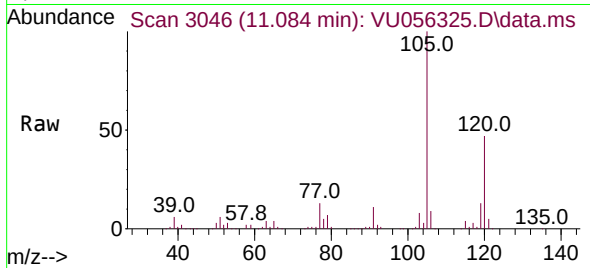




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.117 ug/L  
 RT: 11.084 min Scan# 3046  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

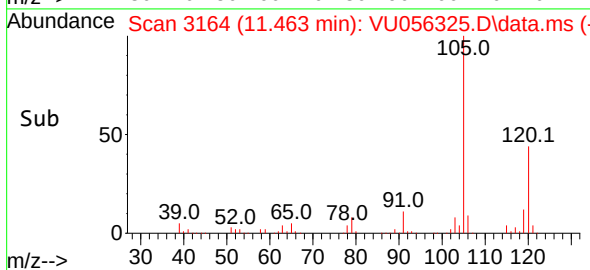
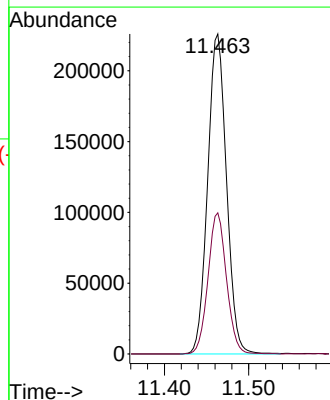
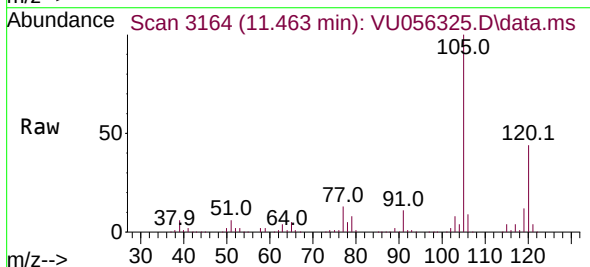
Instrument :  
 MSVOA\_U  
 ClientSampleId :

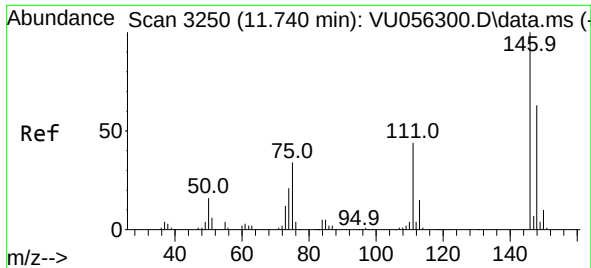
Tgt Ion:105 Resp: 348530  
 Ion Ratio Lower Upper  
 105 100  
 120 46.3 37.2 55.8



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.221 ug/L  
 RT: 11.463 min Scan# 3164  
 Delta R.T. 0.003 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Tgt Ion:105 Resp: 351013  
 Ion Ratio Lower Upper  
 105 100  
 120 43.3 34.0 51.0

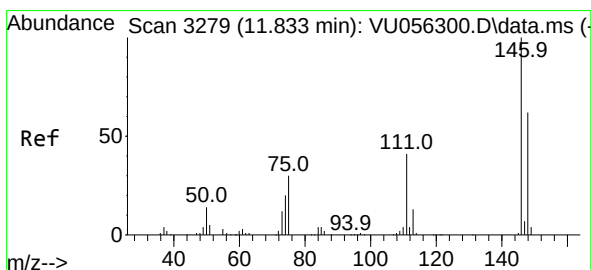
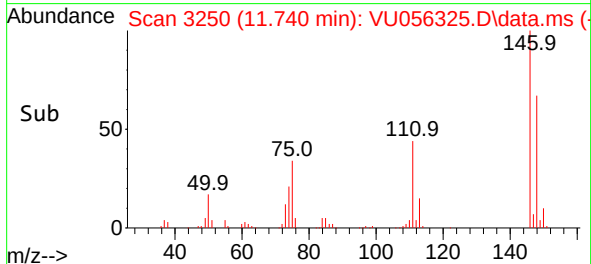
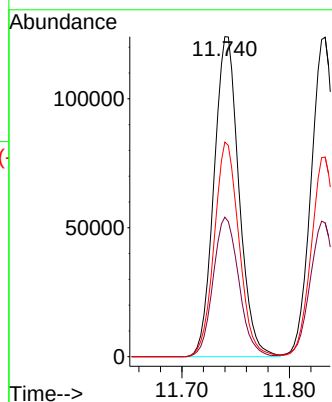
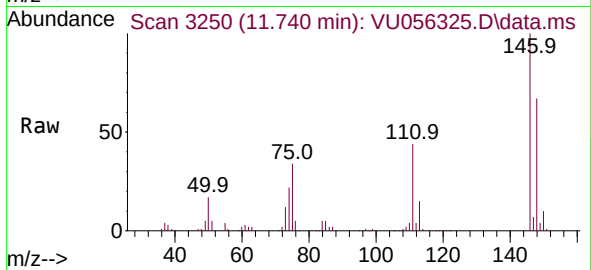




#64  
1,3-Dichlorobenzene  
Concen: 5.314 ug/L  
RT: 11.740 min Scan# 3250  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

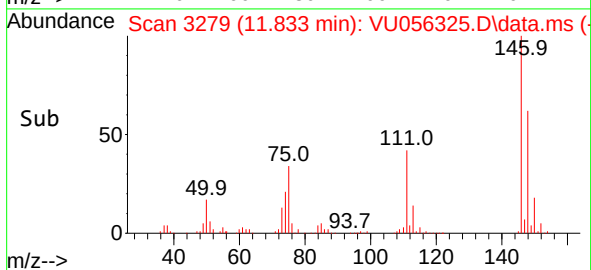
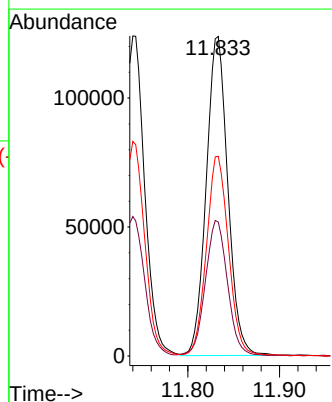
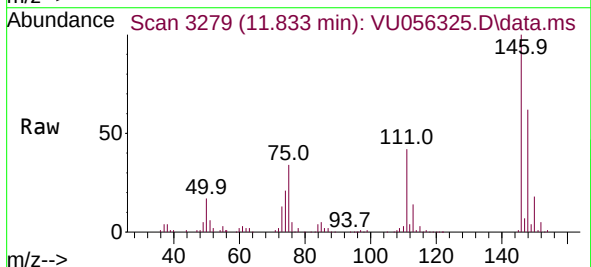
Instrument :  
MSVOA\_U  
ClientSampleId :

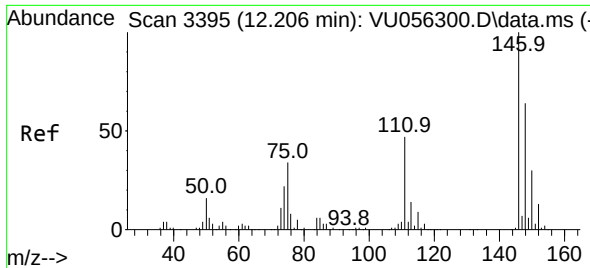
Tgt Ion:146 Resp: 200543  
Ion Ratio Lower Upper  
146 100  
111 43.6 31.1 57.7  
148 67.0 45.1 83.9



#65  
1,4-Dichlorobenzene  
Concen: 5.353 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.003 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion:146 Resp: 202621  
Ion Ratio Lower Upper  
146 100  
111 41.9 30.5 56.7  
148 62.5 44.8 83.2

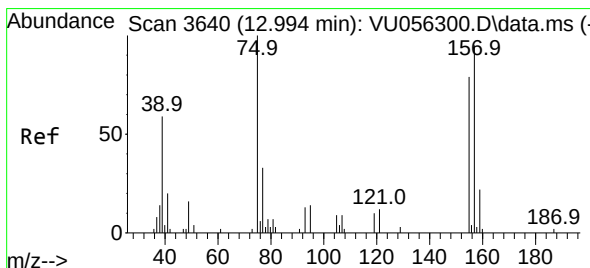
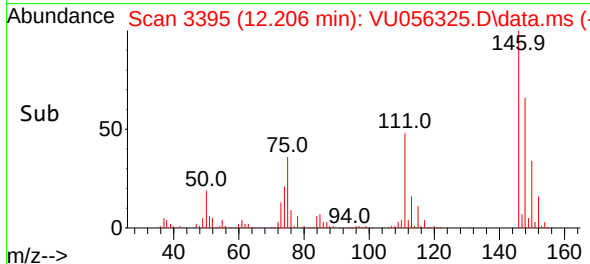
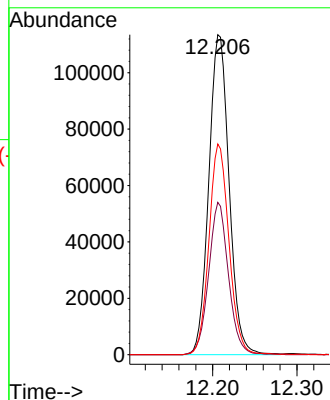
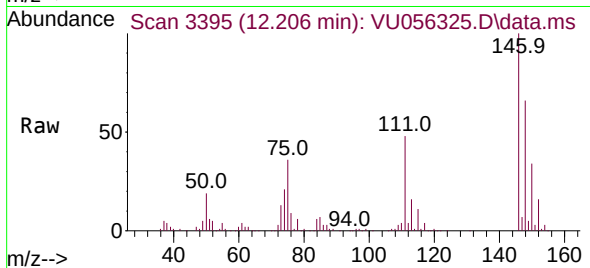




#67  
1,2-Dichlorobenzene  
Concen: 5.486 ug/L  
RT: 12.206 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

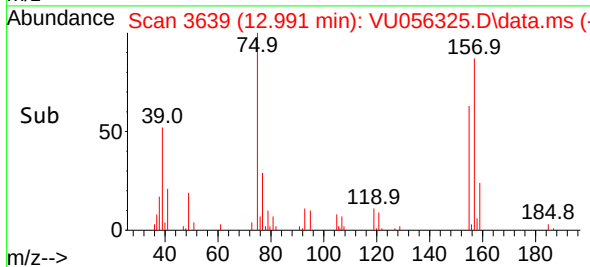
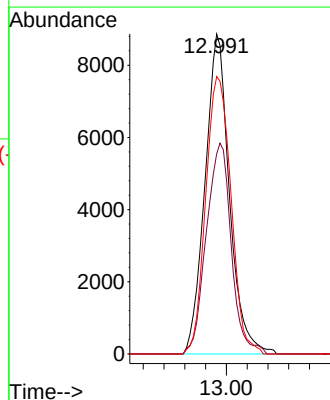
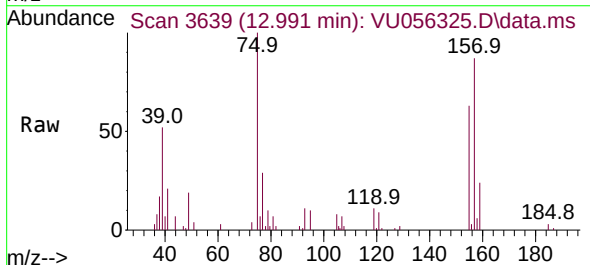
Instrument :  
MSVOA\_U  
ClientSampleId :

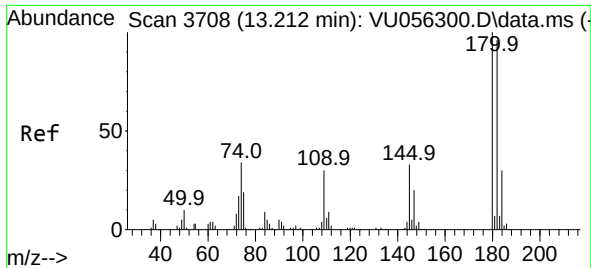
Tgt Ion:146 Resp: 189925  
Ion Ratio Lower Upper  
146 100  
111 47.6 38.3 57.5  
148 65.8 52.2 78.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 6.127 ug/L  
RT: 12.991 min Scan# 3639  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

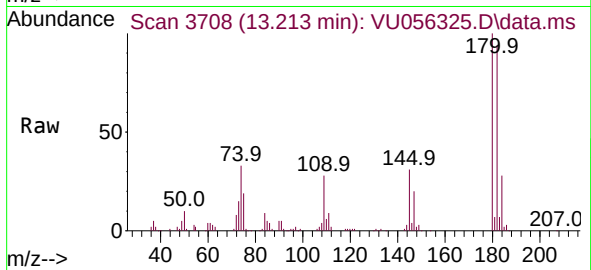
Tgt Ion: 75 Resp: 14443  
Ion Ratio Lower Upper  
75 100  
155 62.6 62.4 93.6  
157 86.7 80.2 120.2



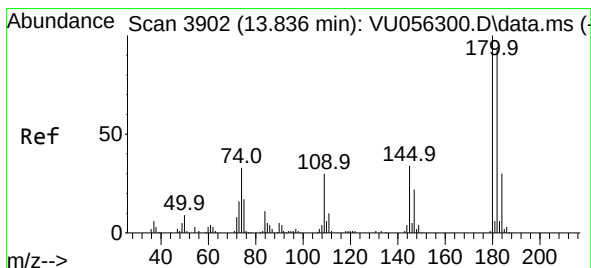
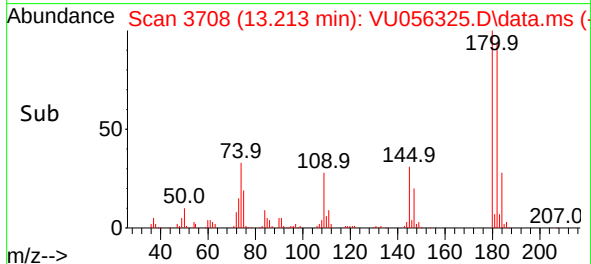
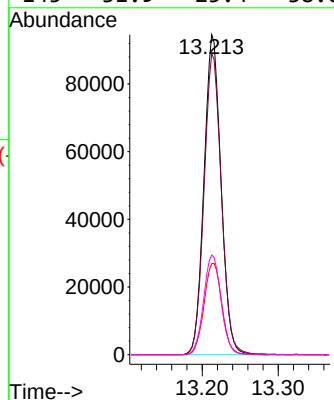


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.172 ug/L  
 RT: 13.213 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :

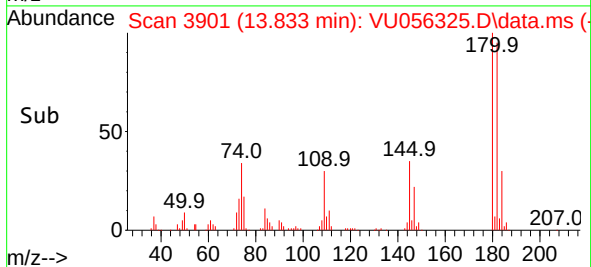
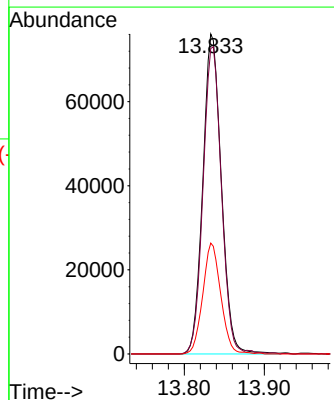
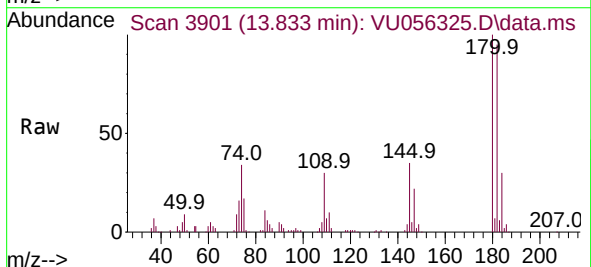


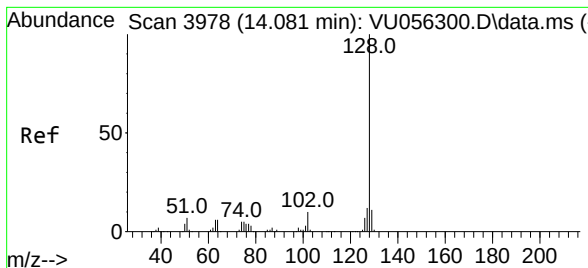
Tgt Ion:180 Resp: 146948  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 75.1 112.7  
 184 30.0 23.5 35.3  
 145 31.9 25.4 38.0



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.302 ug/L  
 RT: 13.833 min Scan# 3901  
 Delta R.T. -0.000 min  
 Lab File: VU056325.D  
 Acq: 15 Nov 2023 00:21

Tgt Ion:180 Resp: 122684  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 75.4 113.2  
 145 33.7 26.8 40.2

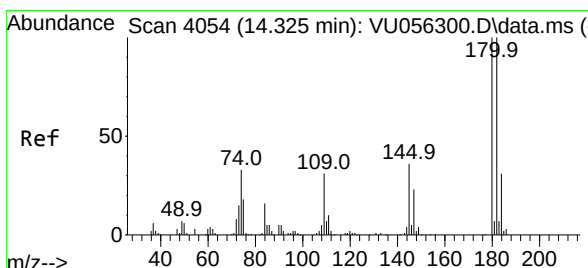
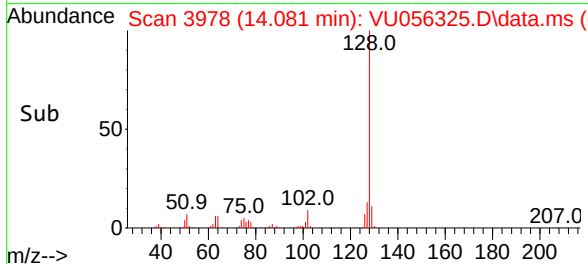
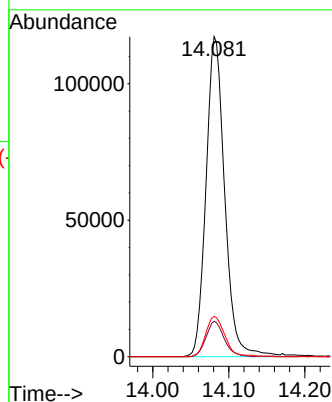
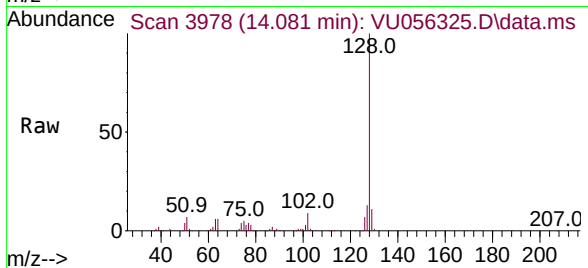




#71  
Naphthalene  
Concen: 5.721 ug/L  
RT: 14.081 min Scan# 3978  
Delta R.T. -0.000 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 200009  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 12.8  
127 13.0 10.3 15.5



#72  
1,2,3-Trichlorobenzene  
Concen: 5.444 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.003 min  
Lab File: VU056325.D  
Acq: 15 Nov 2023 00:21

Tgt Ion:180 Resp: 103769  
Ion Ratio Lower Upper  
180 100  
182 94.6 78.6 117.8  
145 36.5 29.0 43.6

