

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU010824\  
 Data File : VU057380.D  
 Acq On : 08 Jan 2024 13:10  
 Operator : MD/SY  
 Sample : VSTD200  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 09 00:22:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM010824WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 09 00:19:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114  | 278886   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117  | 279019   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 149095   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65   | 367687   | 191.555 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.914  | 69   | 279186   | 187.952 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 63   | 767364   | 188.612 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.634  | 46   | 391958   | 421.415 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.055  | 84   | 859711   | 189.401 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65   | 575194   | 191.820 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.721  | 84   | 1474310  | 196.843 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 412330   | 195.053 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.891  | 98   | 1428739  | 203.560 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 271639   | 215.284 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.640  | 63   | 315393   | 456.393 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84   | 603115   | 190.916 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152  | 571315   | 195.918 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 594684   | 186.913 | ug/L  | 98       |
| 3) Chloromethane              | 1.518  | 50   | 353234   | 176.934 | ug/L  | 98       |
| 5) Vinyl chloride             | 1.605  | 62   | 401086   | 187.664 | ug/L  | 99       |
| 6) Bromomethane               | 1.859  | 94   | 274484   | 194.037 | ug/L  | 100      |
| 8) Chloroethane               | 1.933  | 64   | 224972   | 179.957 | ug/L  | 95       |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 826333   | 185.301 | ug/L  | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 398879   | 186.251 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96   | 357404   | 189.134 | ug/L  | 93       |
| 13) Acetone                   | 2.647  | 43   | 424017   | 369.713 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.785  | 76   | 1111474  | 189.899 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.949  | 43   | 275508   | 186.456 | ug/L  | 99       |
| 16) Methylene chloride        | 3.039  | 84   | 387641   | 180.420 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.345  | 96   | 371777   | 192.310 | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 3.354  | 73   | 1278017  | 206.531 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.859  | 63   | 669999   | 187.203 | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 4.656  | 96   | 420552   | 203.365 | ug/L  | 99       |
| 22) 2-Butanone                | 4.711  | 43   | 440322   | 394.541 | ug/L  | 92       |
| 23) Bromochloromethane        | 4.965  | 128  | 221079   | 186.238 | ug/L  | 97       |
| 25) Chloroform                | 5.078  | 83   | 807854   | 185.990 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 691237   | 188.926 | ug/L  | 100      |
| 29) Cyclohexane               | 5.380  | 56   | 555107   | 210.284 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 812686   | 189.308 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 728139   | 191.236 | ug/L  | 100      |
| 33) Benzene                   | 5.766  | 78   | 1505058  | 191.942 | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 443272   | 193.628 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.756  | 83   | 663520   | 213.032 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 360232   | 186.169 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 629548   | 192.058 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 713305   | 210.519 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.801  | 43   | 825280   | 418.590 | ug/L  | 100      |
| 42) Toluene                   | 7.962  | 91   | 1683589  | 199.674 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 719989   | 211.656 | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU010824\  
 Data File : VU057380.D  
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 Sample : VSTD200  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 09 00:22:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM010824WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 09 00:19:47 2024  
 Response via : Initial Calibration

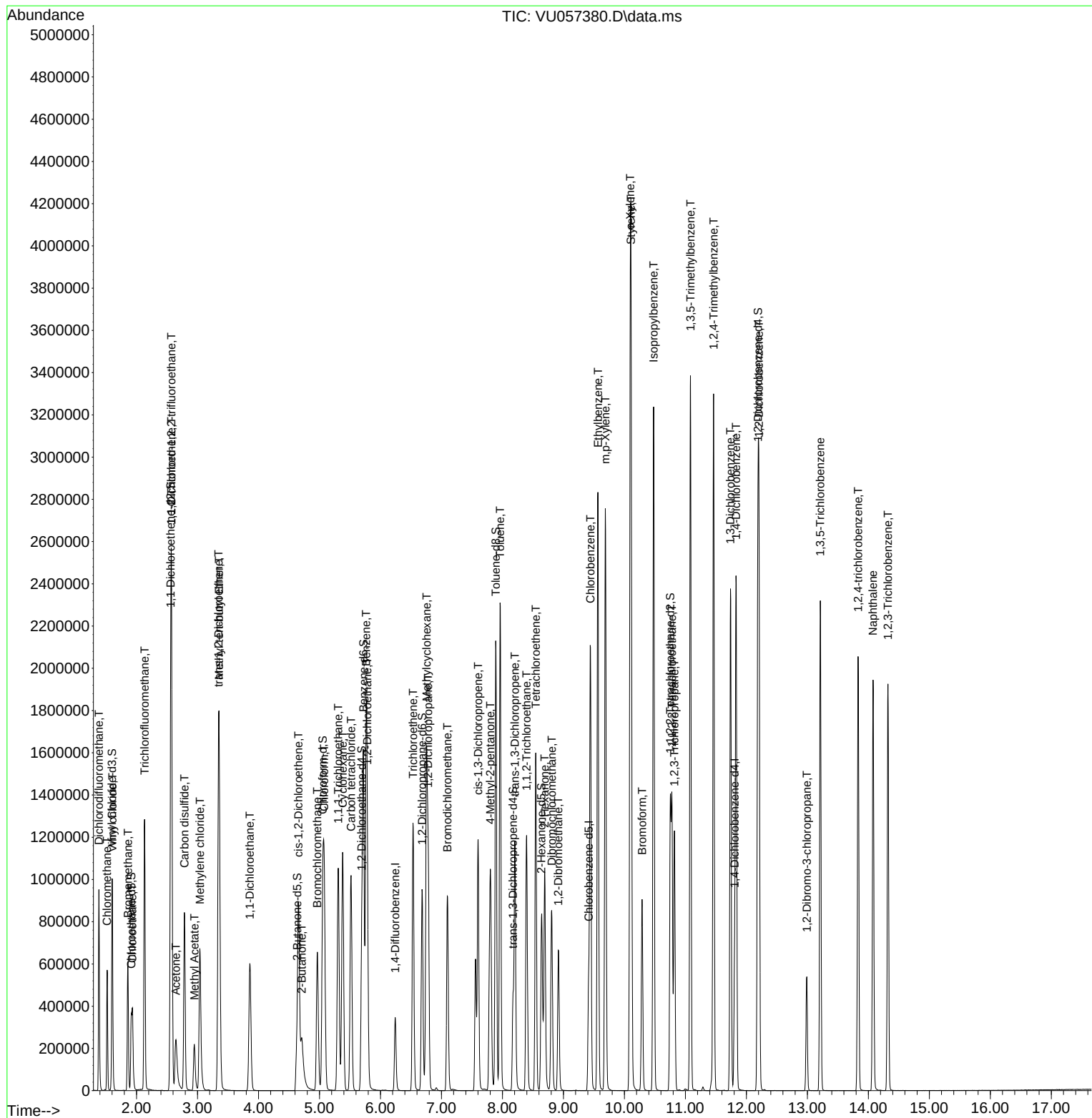
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 407767   | 191.523 | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.547  | 164  | 335553   | 193.768 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.692  | 43   | 664657   | 411.158 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.807  | 129  | 510286   | 196.670 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 453567   | 200.837 | ug/L  | 99       |
| 51) Chlorobenzene             | 9.444  | 112  | 1134756  | 200.294 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 2033749  | 216.606 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 749208   | 213.461 | ug/L  | 97       |
| 54) o-Xylene                  | 10.097 | 106  | 737013   | 215.020 | ug/L  | 97       |
| 55) Styrene                   | 10.110 | 104  | 1304695  | 224.781 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 615502   | 191.725 | ug/L  | 95       |
| 59) Bromoform                 | 10.290 | 173  | 411525   | 190.360 | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.820 | 75   | 507287   | 179.629 | ug/L  | 100      |
| 61) Isopropylbenzene          | 10.479 | 105  | 2092029  | 214.257 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 1844535  | 220.893 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 1823495  | 222.453 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 938183   | 203.883 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 935759   | 198.105 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 909397   | 196.073 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 151788   | 201.288 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 686142   | 208.307 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 596558   | 237.881 | ug/L  | 100      |
| 71) Naphthalene               | 14.077 | 128  | 1497636  | 255.583 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 545230   | 229.899 | ug/L  | 99       |

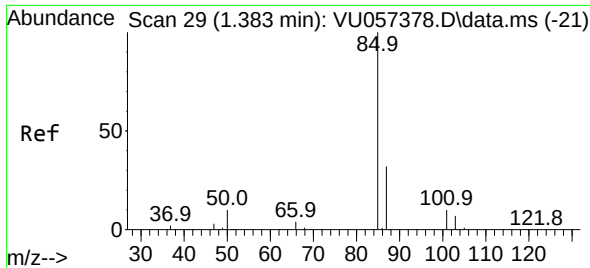
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 09 00:22:26 2024  
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Quant Title : VOC Analysis  
QLast Update : Tue Jan 09 00:19:47 2024  
Response via : Initial Calibration

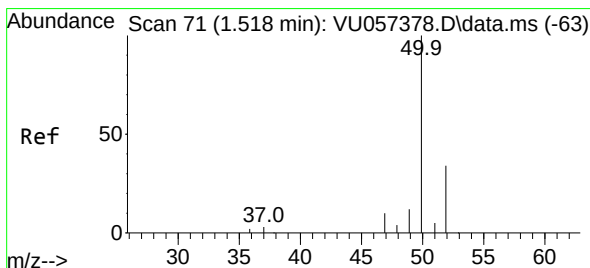
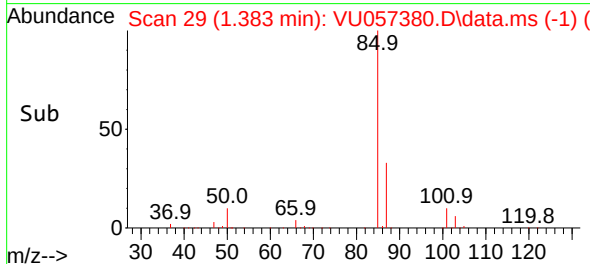
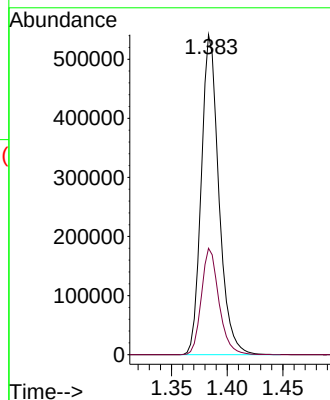
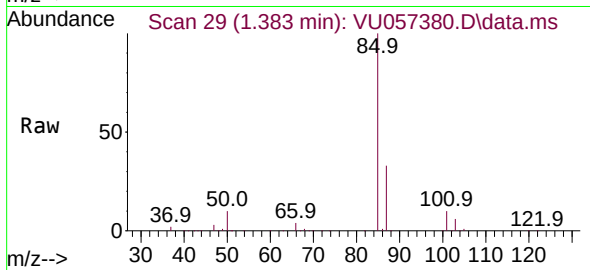




#2  
 Dichlorodifluoromethane  
 Concen: 186.913 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

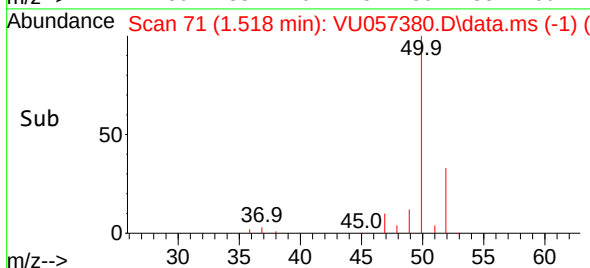
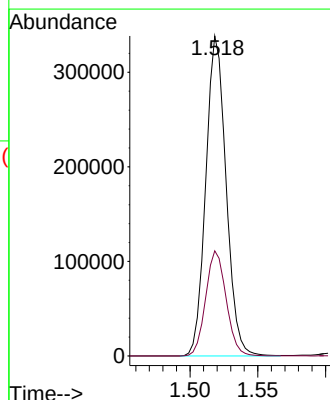
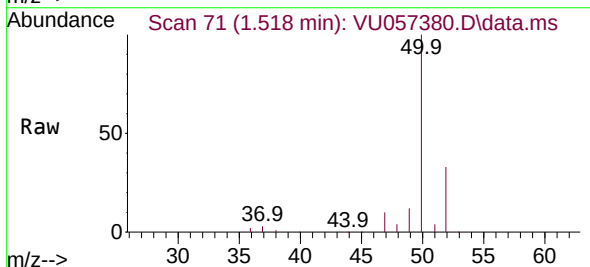
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 ClientSampleId :

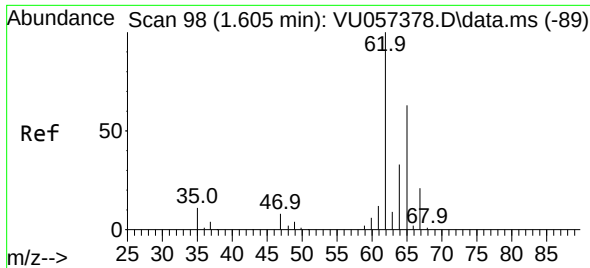
Tgt Ion: 85 Resp: 594684  
 Ion Ratio Lower Upper  
 85 100  
 87 33.2 25.8 38.6



#3  
 Chloromethane  
 Concen: 176.934 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

Tgt Ion: 50 Resp: 353234  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 23.7 43.9

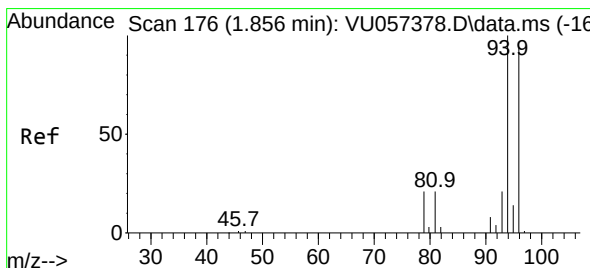
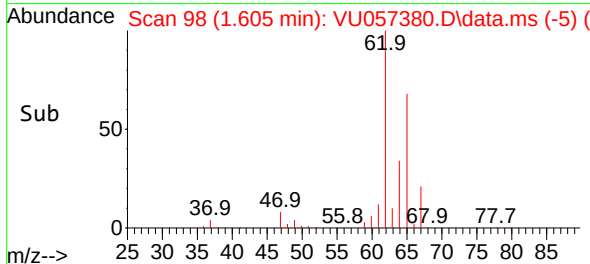
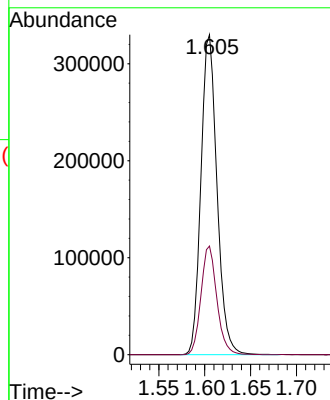
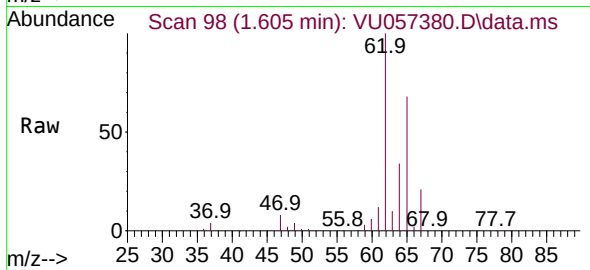




#5  
 Vinyl chloride  
 Concen: 187.664 ug/L  
 RT: 1.605 min Scan# 98  
 Delta R.T. -0.000 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

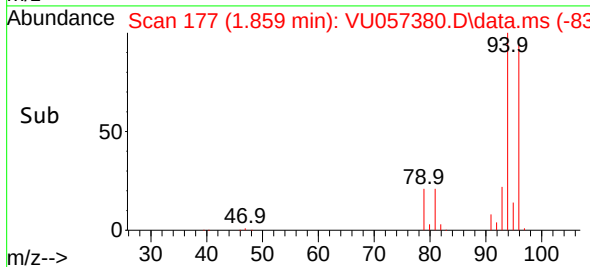
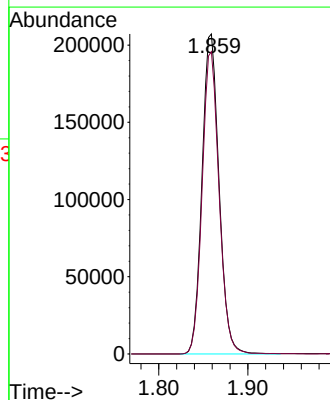
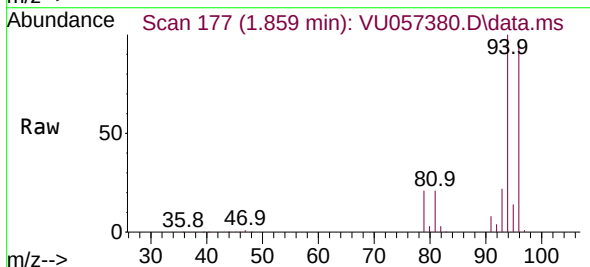
Instrument :  
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 ClientSampleId :

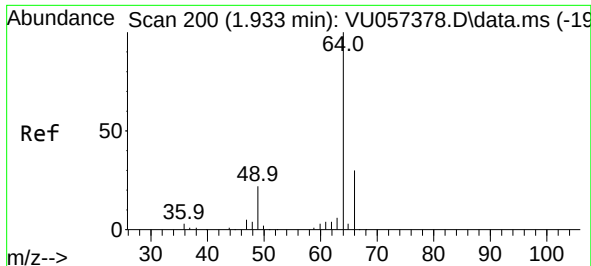
Tgt Ion: 62 Resp: 401086  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 23.3 43.3



#6  
 Bromomethane  
 Concen: 194.037 ug/L  
 RT: 1.859 min Scan# 177  
 Delta R.T. 0.003 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

Tgt Ion: 94 Resp: 274484  
 Ion Ratio Lower Upper  
 94 100  
 96 94.5 65.9 122.5

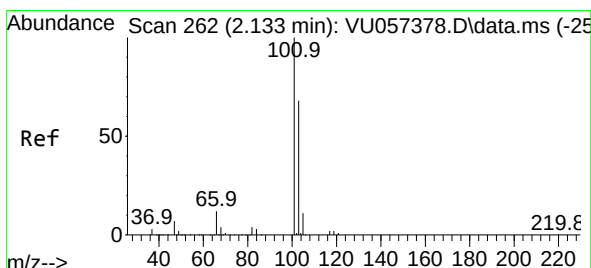
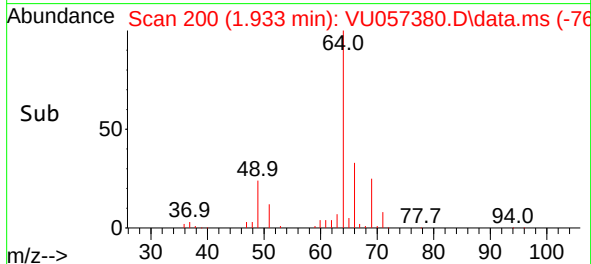
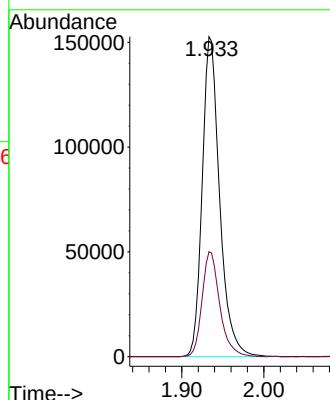
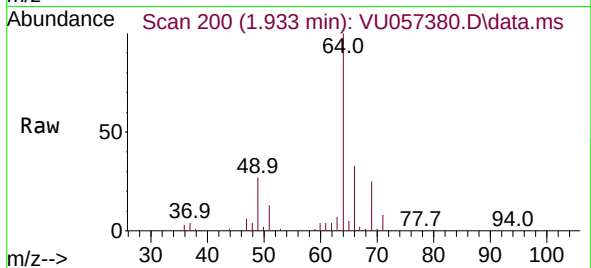




#8  
Chloroethane  
Concen: 179.957 ug/L  
RT: 1.933 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

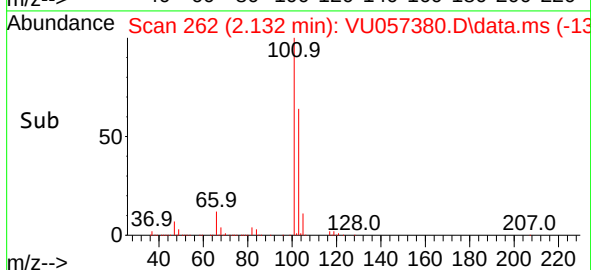
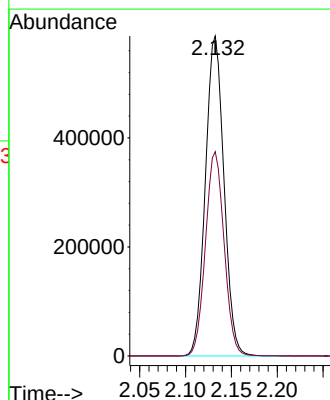
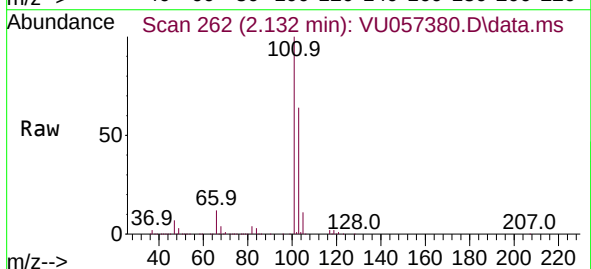
Instrument :  
MSVOA\_U  
ClientSampleId :

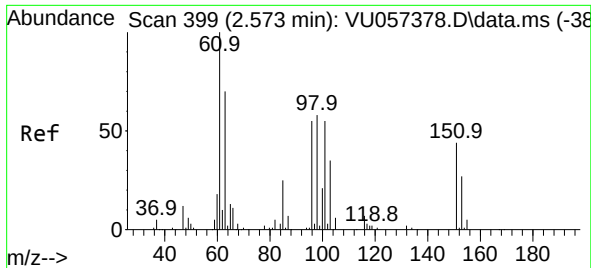
Tgt Ion: 64 Resp: 224972  
Ion Ratio Lower Upper  
64 100  
66 32.8 20.9 38.9



#9  
Trichlorofluoromethane  
Concen: 185.301 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion:101 Resp: 826333  
Ion Ratio Lower Upper  
101 100  
103 64.2 53.4 80.0

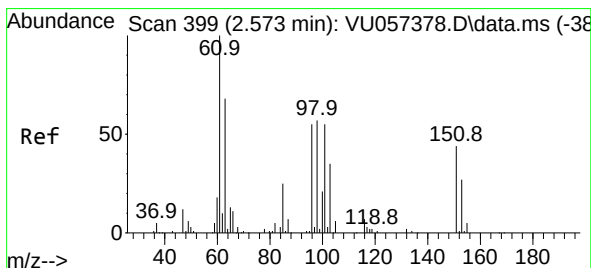
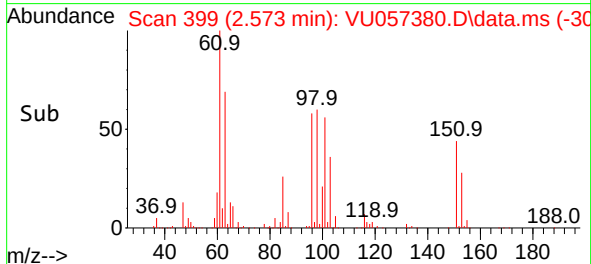
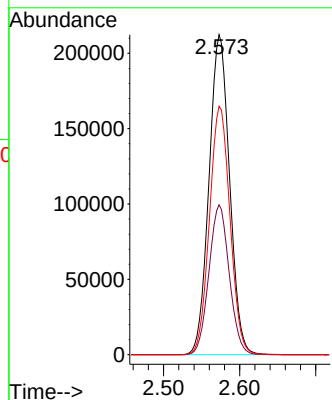
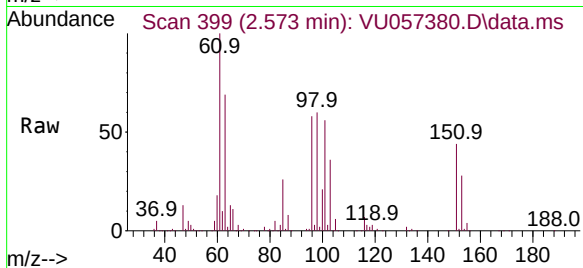




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 186.251 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.000 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

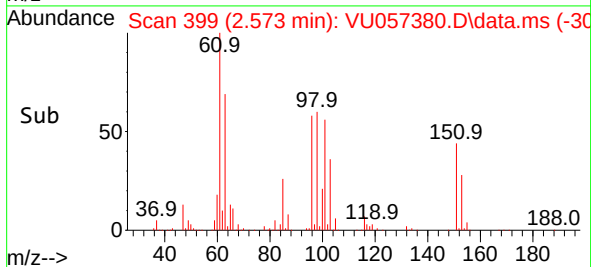
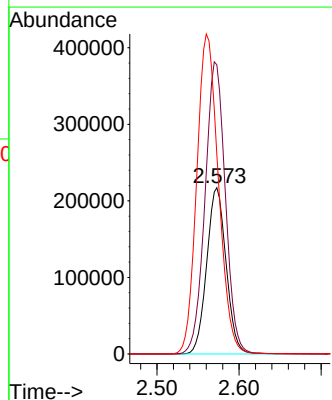
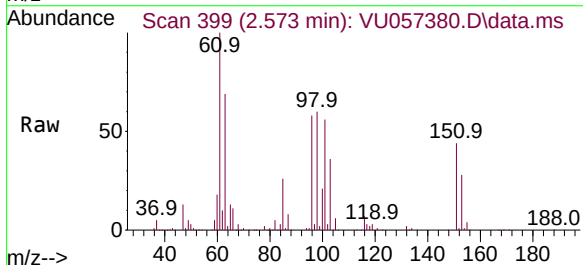
Instrument :  
 MSVOA\_U  
 ClientSampleId :

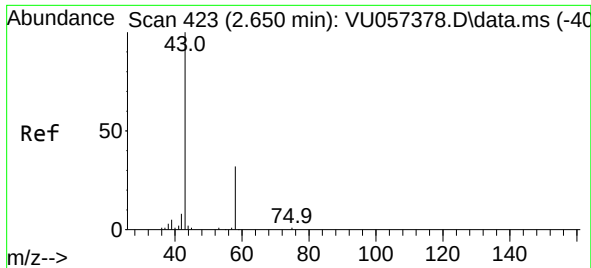
Tgt Ion:101 Resp: 398879  
 Ion Ratio Lower Upper  
 101 100  
 85 46.3 37.0 55.4  
 151 77.6 63.7 95.5



#12  
 1,1-Dichloroethene  
 Concen: 189.134 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.000 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

Tgt Ion: 96 Resp: 357404  
 Ion Ratio Lower Upper  
 96 100  
 61 173.9 128.3 238.3  
 63 119.9 90.4 168.0





#13

Acetone

Concen: 369.713 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

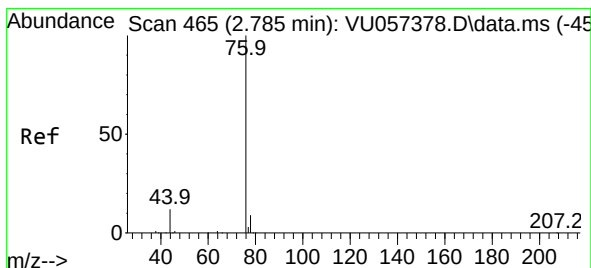
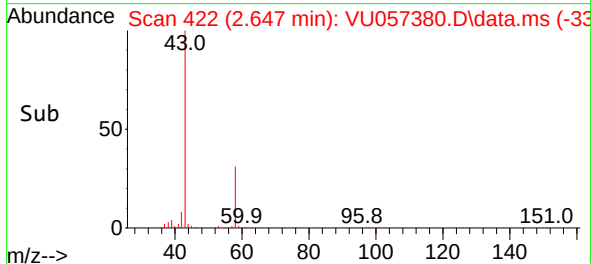
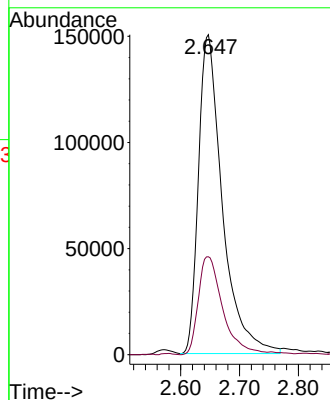
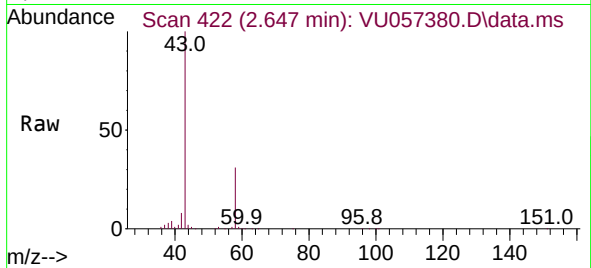
ClientSampleId :

Tgt Ion: 43 Resp: 424017

Ion Ratio Lower Upper

43 100

58 31.3 0.0 65.2



#14

Carbon disulfide

Concen: 189.899 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU057380.D

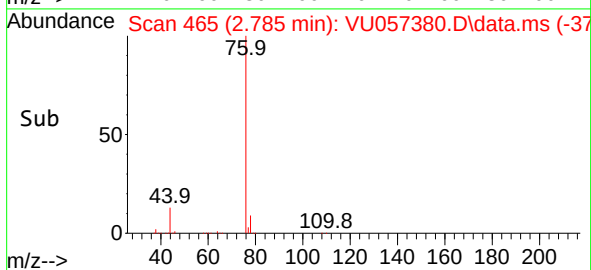
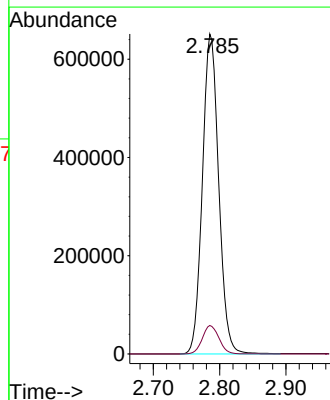
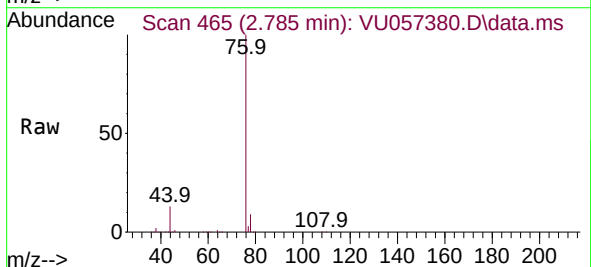
Acq: 08 Jan 2024 13:10

Tgt Ion: 76 Resp: 1111474

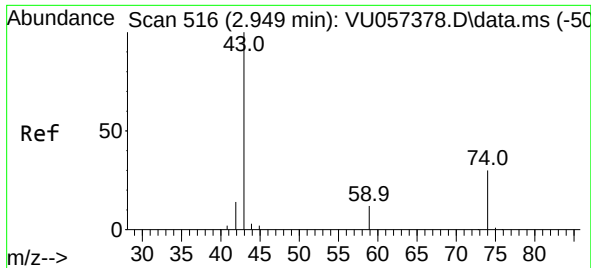
Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



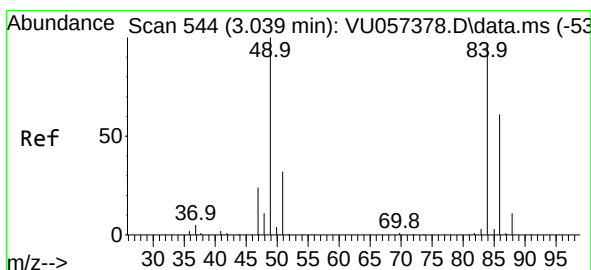
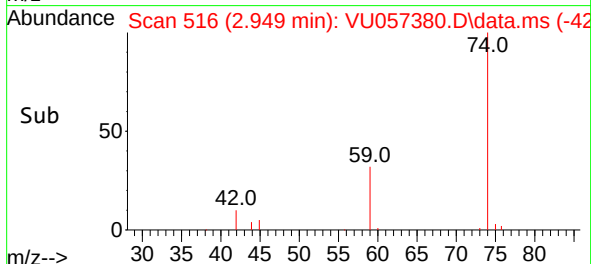
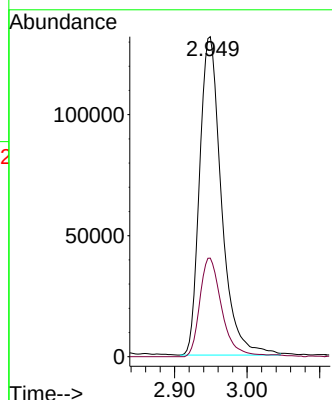
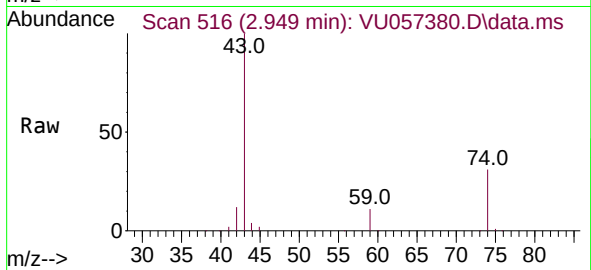




#15  
Methyl Acetate  
Concen: 186.456 ug/L  
RT: 2.949 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

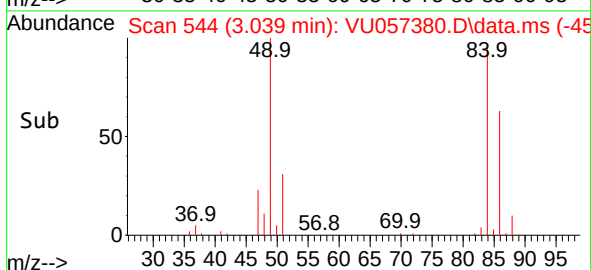
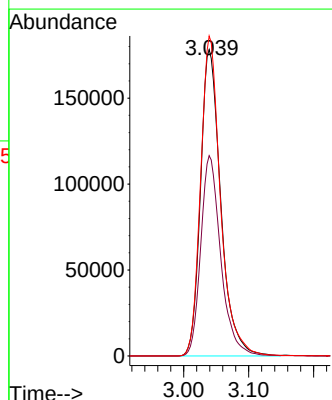
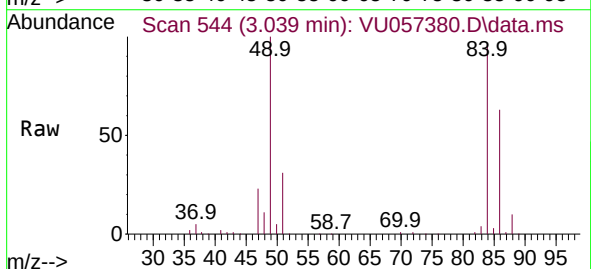
Instrument :  
MSVOA\_U  
ClientSampleId :

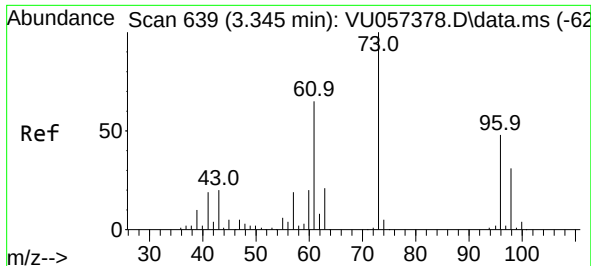
Tgt Ion: 43 Resp: 275508  
Ion Ratio Lower Upper  
43 100  
74 31.0 24.6 36.8



#16  
Methylene chloride  
Concen: 180.420 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

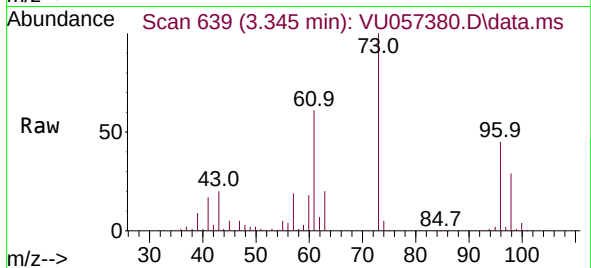
Tgt Ion: 84 Resp: 387641  
Ion Ratio Lower Upper  
84 100  
86 65.4 44.3 82.3  
49 104.5 72.2 134.2





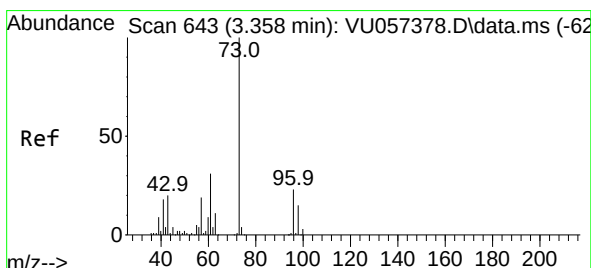
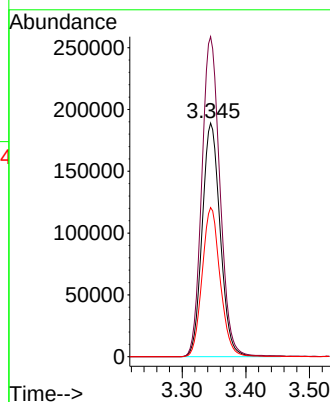
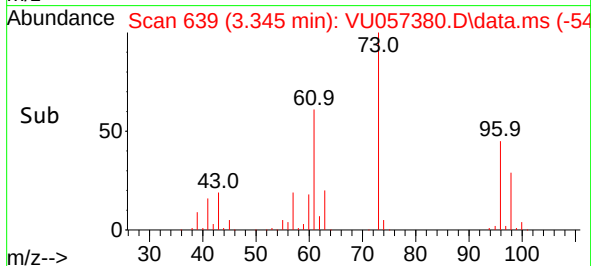
#17  
trans-1,2-Dichloroethene  
Concen: 192.310 ug/L  
RT: 3.345 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 96 Resp: 371777

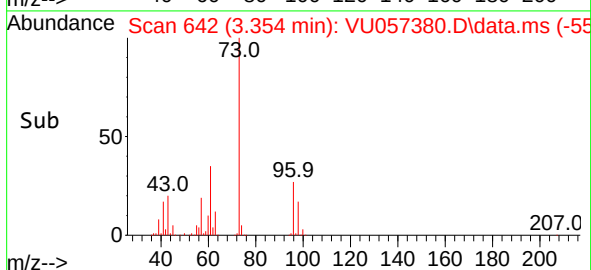
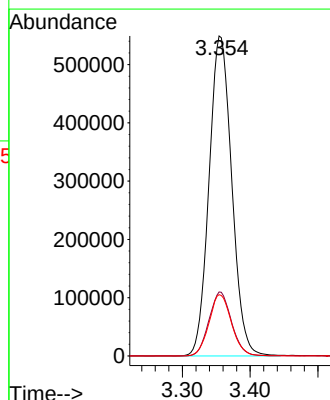
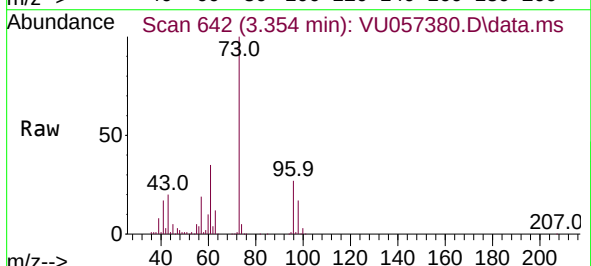
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 137.0 | 93.9  | 174.5 |
| 98  | 63.8  | 44.8  | 83.2  |

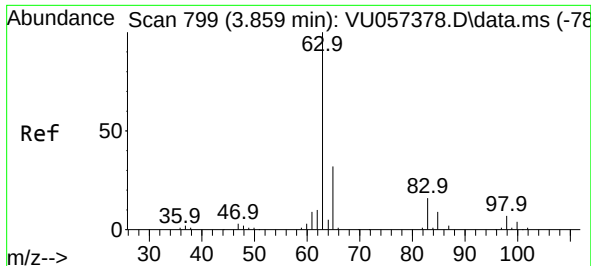


#18  
Methyl tert-butyl Ether  
Concen: 206.531 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. -0.003 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion: 73 Resp: 1278017

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 19.7  | 16.3  | 24.5  |
| 57  | 19.0  | 15.0  | 22.6  |





#19

1,1-Dichloroethane

Concen: 187.203 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

ClientSampleId :

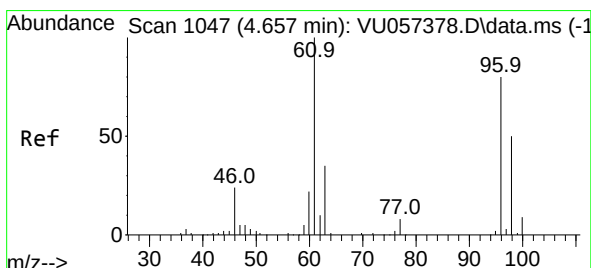
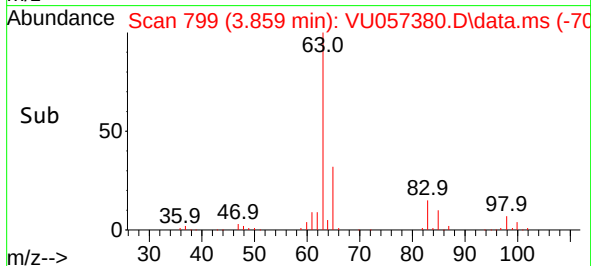
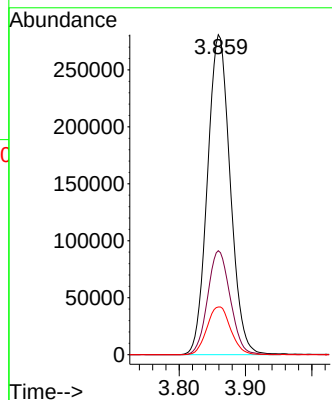
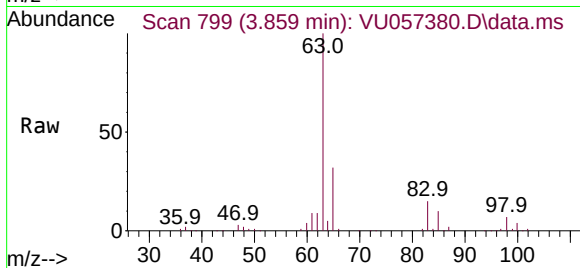
Tgt Ion: 63 Resp: 669999

Ion Ratio Lower Upper

63 100

65 32.5 22.4 41.6

83 14.9 11.3 21.1



#20

cis-1,2-Dichloroethene

Concen: 203.365 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

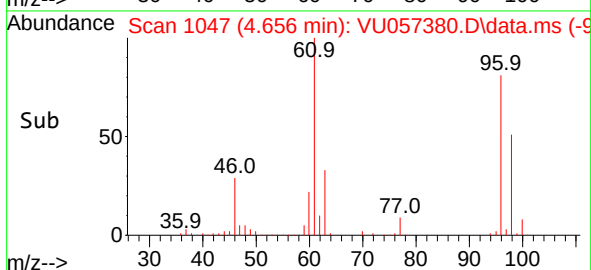
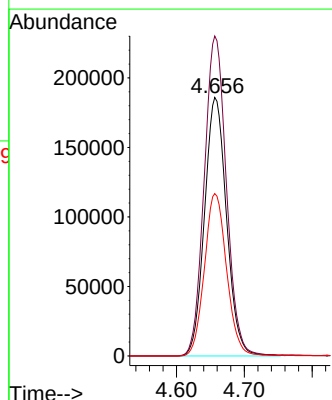
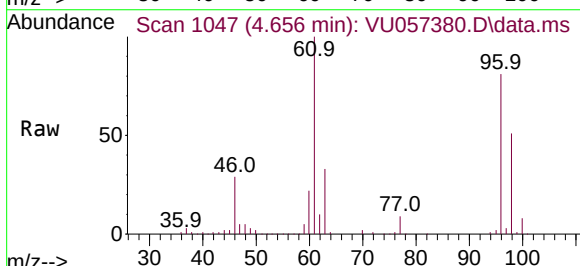
Tgt Ion: 96 Resp: 420552

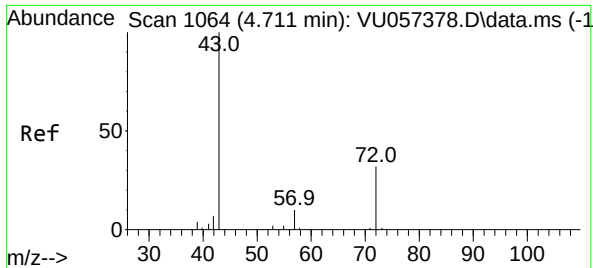
Ion Ratio Lower Upper

96 100

61 123.8 88.0 163.4

98 62.8 43.4 80.6

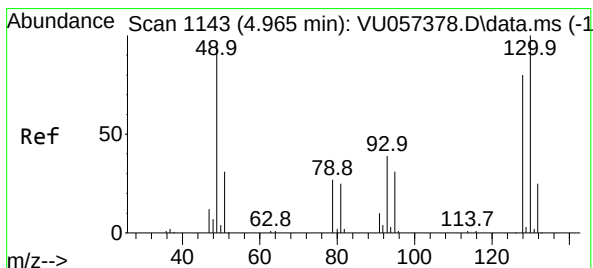
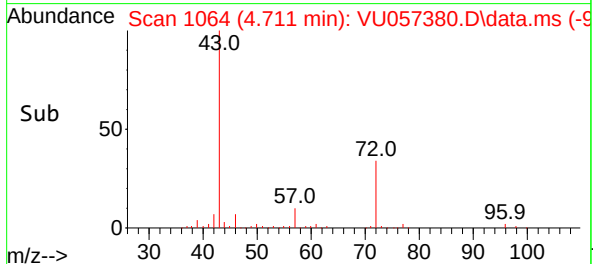
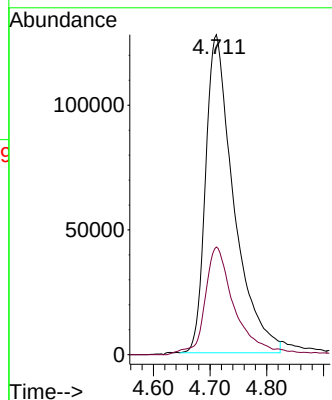
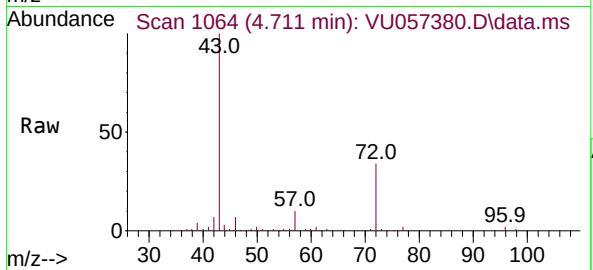




#22  
2-Butanone  
Concen: 394.541 ug/L  
RT: 4.711 min Scan# 1064  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

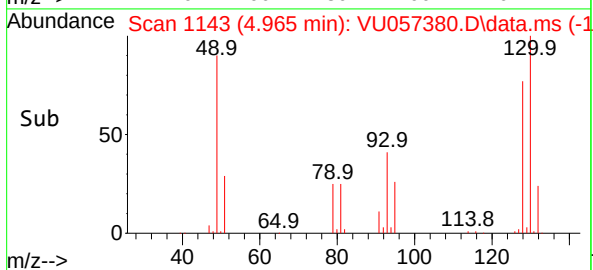
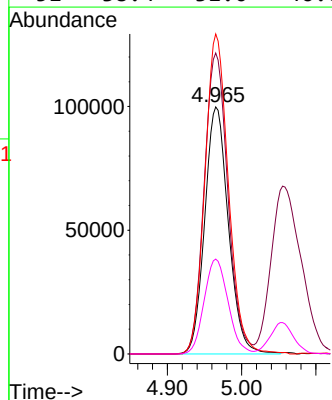
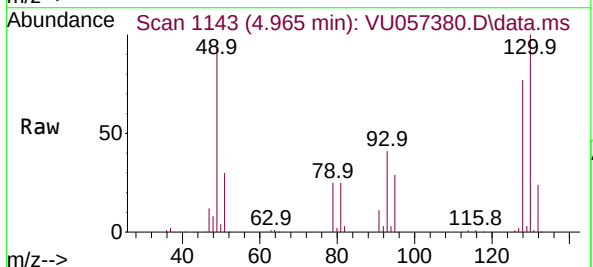
Instrument :  
MSVOA\_U  
ClientSampleId :

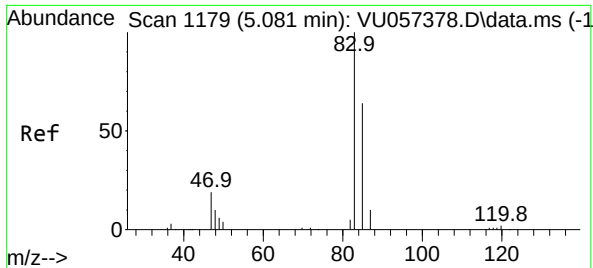
Tgt Ion: 43 Resp: 440322  
Ion Ratio Lower Upper  
43 100  
72 34.8 15.2 45.6



#23  
Bromochloromethane  
Concen: 186.238 ug/L  
RT: 4.965 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion:128 Resp: 221079  
Ion Ratio Lower Upper  
128 100  
49 121.8 83.4 154.8  
130 129.5 87.6 162.6  
51 38.4 31.0 46.6

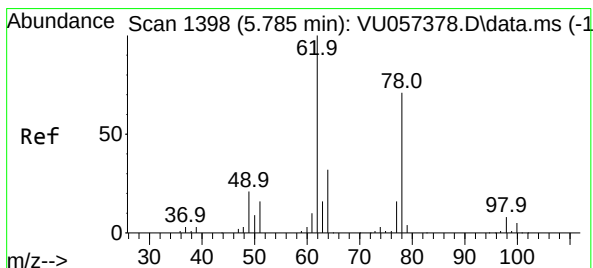
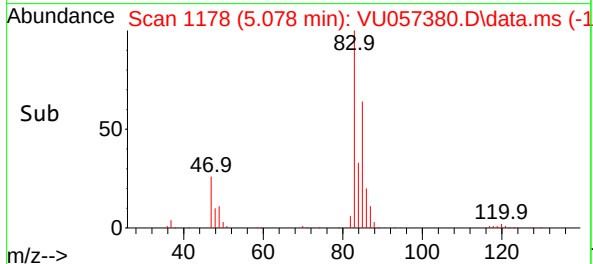
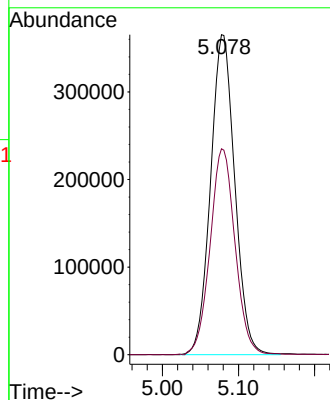
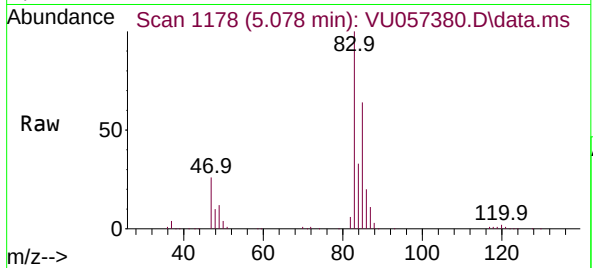




#25  
Chloroform  
Concen: 185.990 ug/L  
RT: 5.078 min Scan# 1179  
Delta R.T. -0.003 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

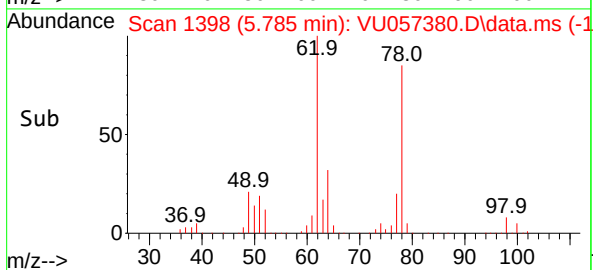
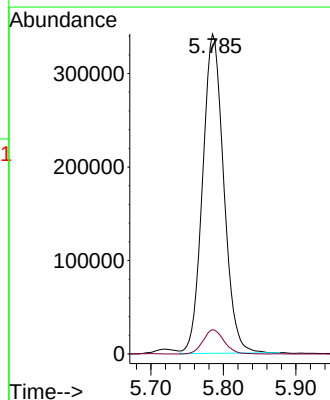
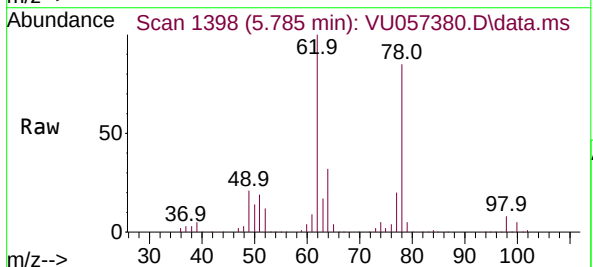
Instrument :  
MSVOA\_U  
ClientSampleId :

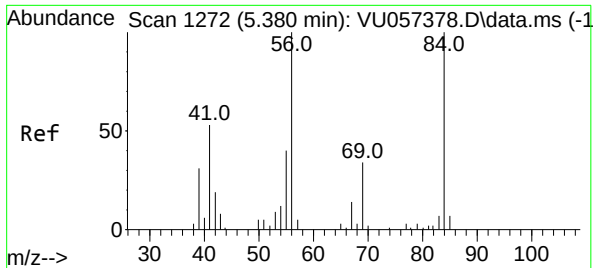
Tgt Ion: 83 Resp: 807854  
Ion Ratio Lower Upper  
83 100  
85 64.3 45.5 84.5



#27  
1,2-Dichloroethane  
Concen: 188.926 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion: 62 Resp: 691237  
Ion Ratio Lower Upper  
62 100  
98 7.6 6.1 9.1





#29

Cyclohexane

Concen: 210.284 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

ClientSampleId :

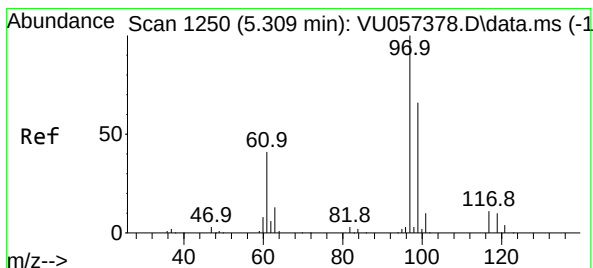
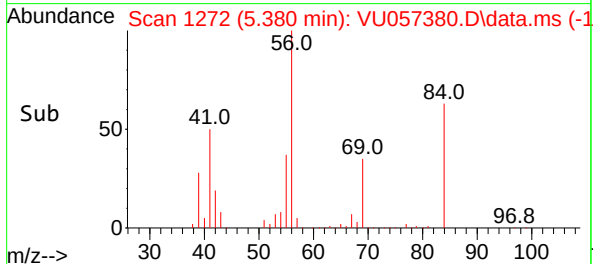
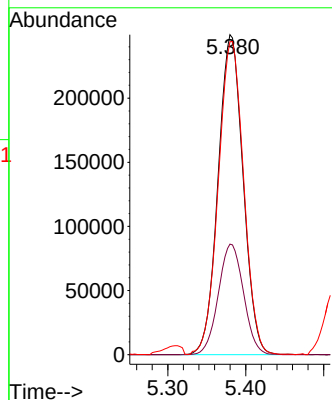
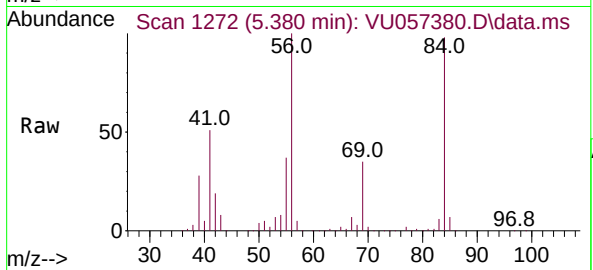
Tgt Ion: 56 Resp: 555107

Ion Ratio Lower Upper

56 100

69 34.8 27.8 41.8

84 98.9 79.3 118.9



#30

1,1,1-Trichloroethane

Concen: 189.308 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

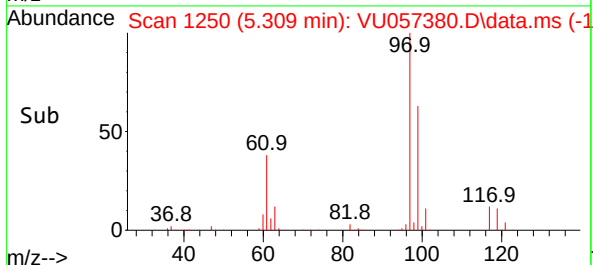
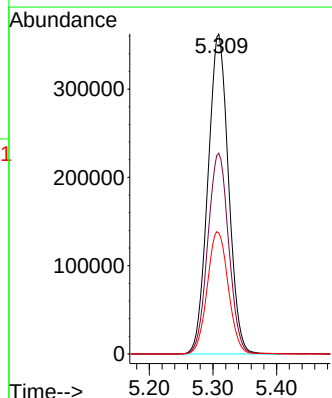
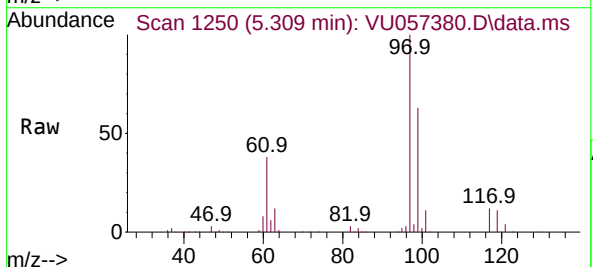
Tgt Ion: 97 Resp: 812686

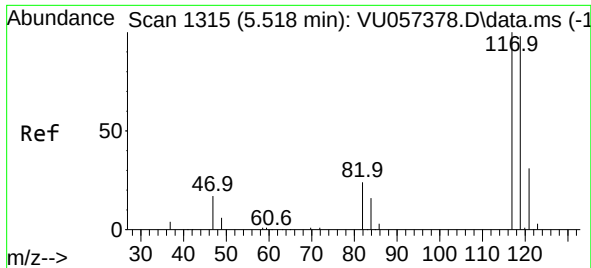
Ion Ratio Lower Upper

97 100

99 63.9 52.1 78.1

61 39.0 31.9 47.9

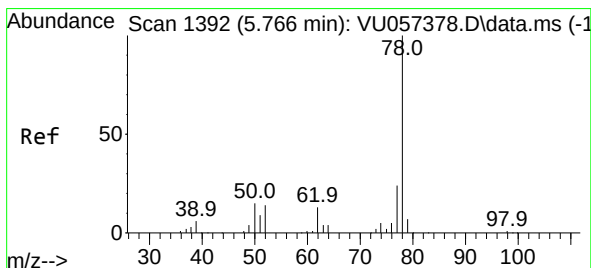
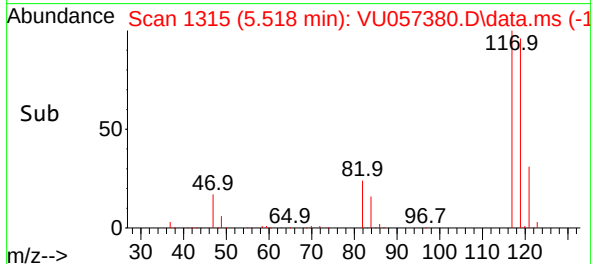
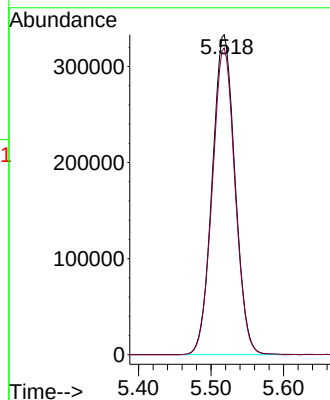
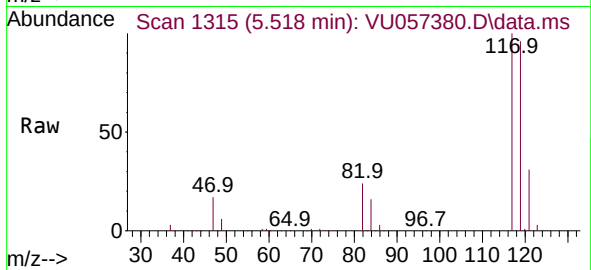




#31  
Carbon tetrachloride  
Concen: 191.236 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

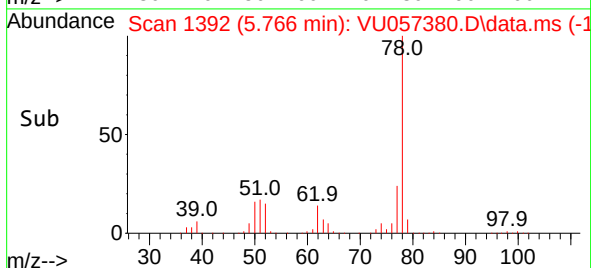
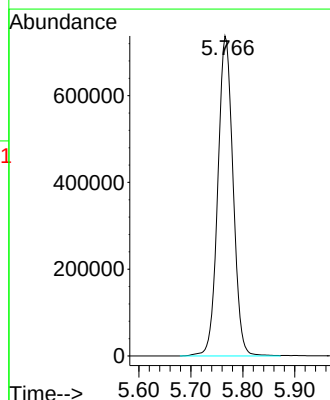
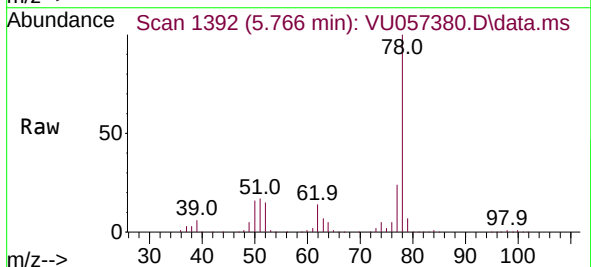
Instrument :  
MSVOA\_U  
ClientSampleId :

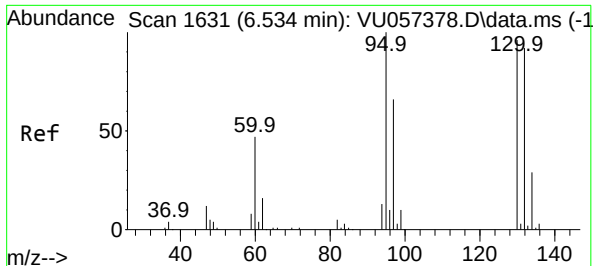
Tgt Ion:117 Resp: 728139  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.5 114.7



#33  
Benzene  
Concen: 191.942 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion: 78 Resp: 1505058

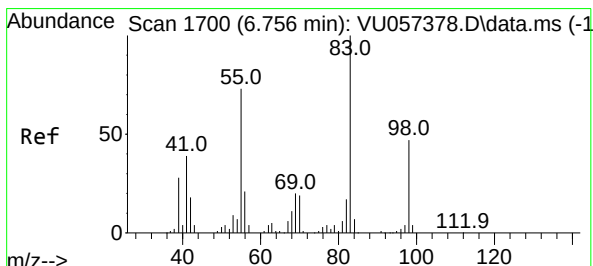
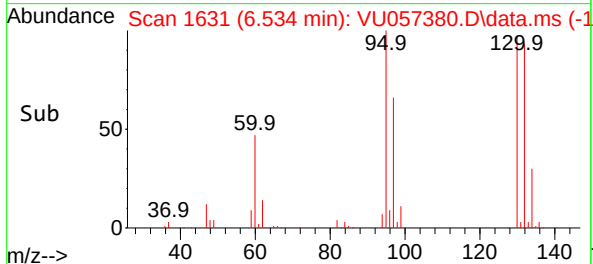
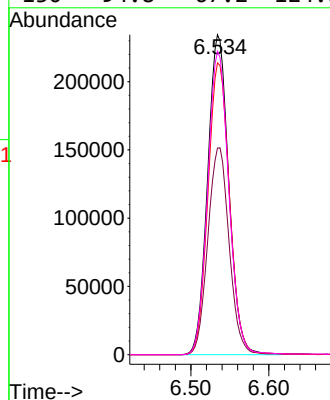
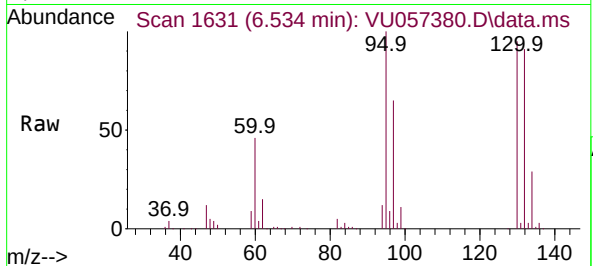




#34  
Trichloroethene  
Concen: 193.628 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

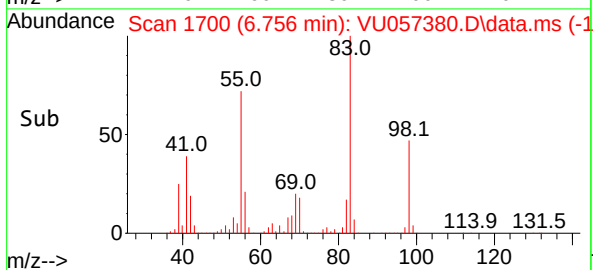
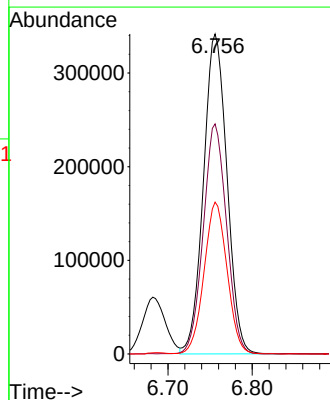
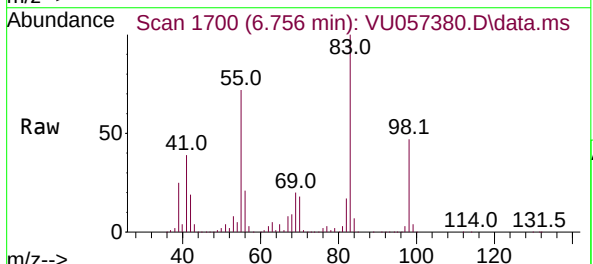
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 443272  
Ion Ratio Lower Upper  
95 100  
97 64.6 46.2 85.8  
132 91.2 64.3 119.5  
130 94.8 67.2 124.8

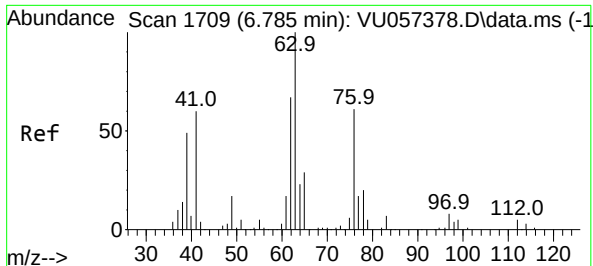


#35  
Methylcyclohexane  
Concen: 213.032 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion: 83 Resp: 663520  
Ion Ratio Lower Upper  
83 100  
55 71.2 58.0 87.0  
98 46.5 36.6 55.0







#37

1,2-Dichloropropane

Concen: 186.169 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

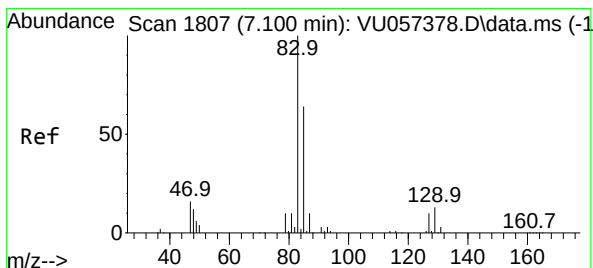
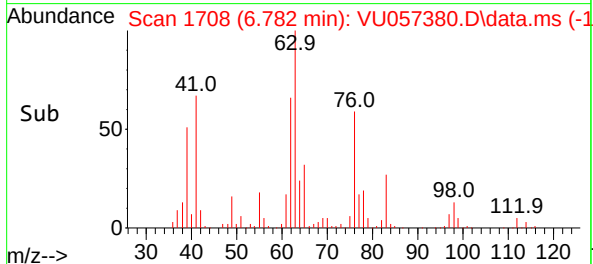
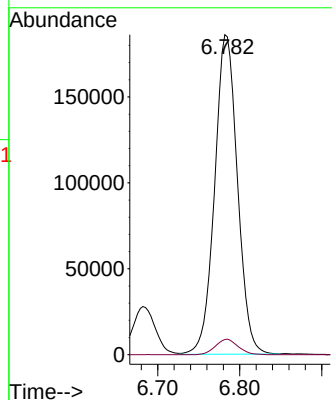
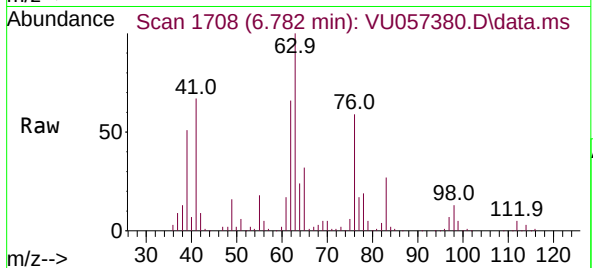
ClientSampleId :

Tgt Ion: 63 Resp: 360232

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



#38

Bromodichloromethane

Concen: 192.058 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

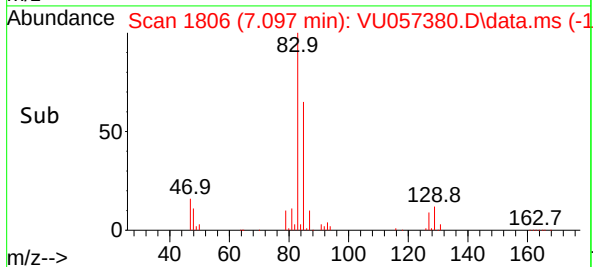
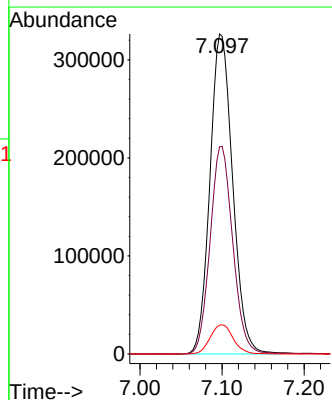
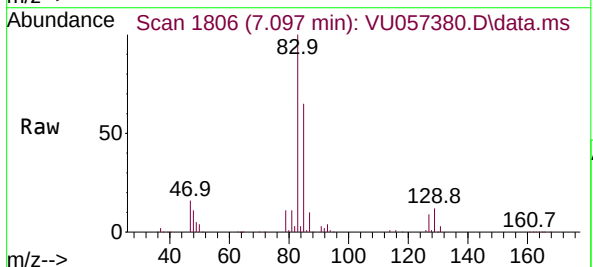
Tgt Ion: 83 Resp: 629548

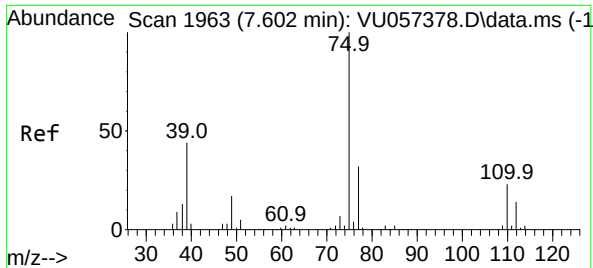
Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

127 9.0 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 210.519 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

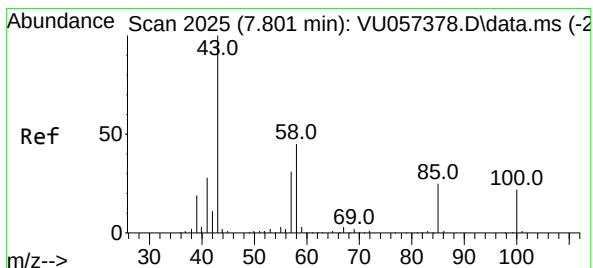
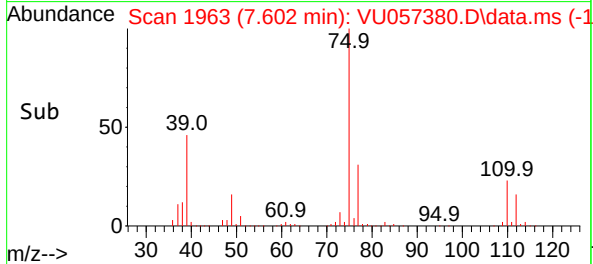
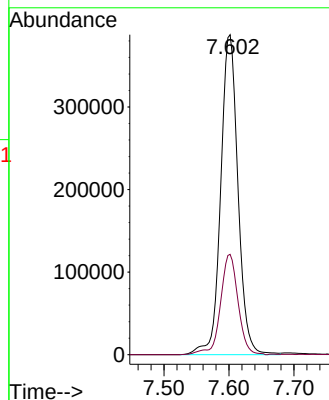
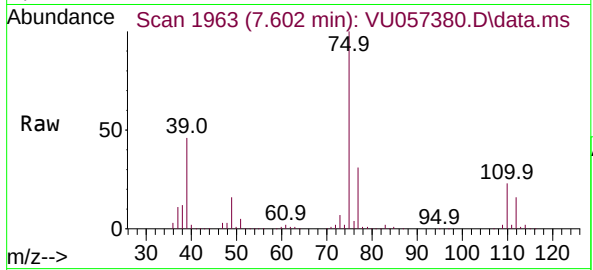
ClientSampleId :

Tgt Ion: 75 Resp: 713305

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 418.590 ug/L

RT: 7.801 min Scan# 2025

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

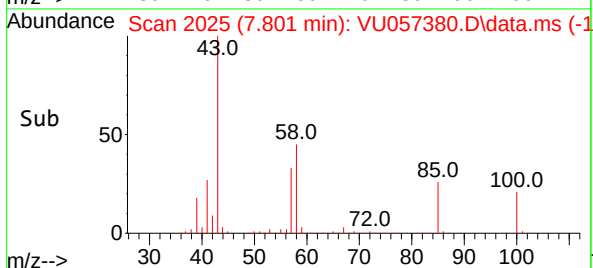
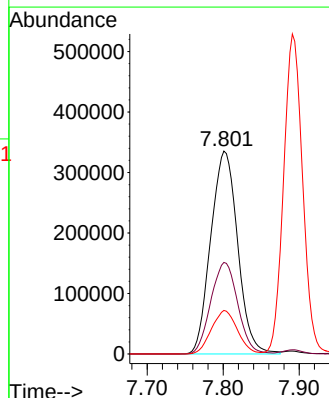
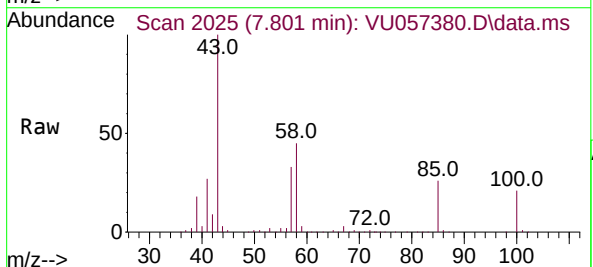
Tgt Ion: 43 Resp: 825280

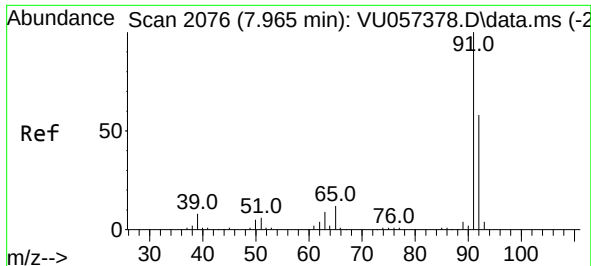
Ion Ratio Lower Upper

43 100

58 45.1 36.2 54.4

100 20.7 16.6 24.8





#42

Toluene

Concen: 199.674 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

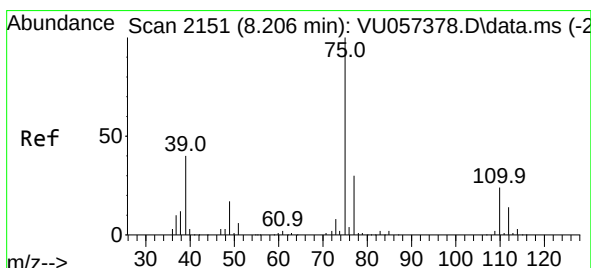
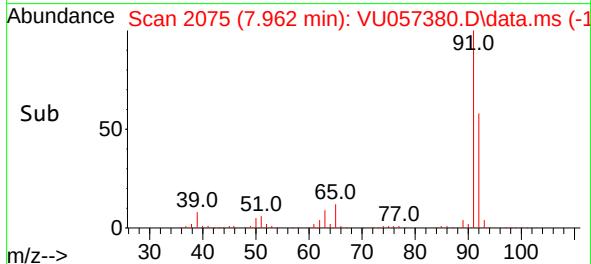
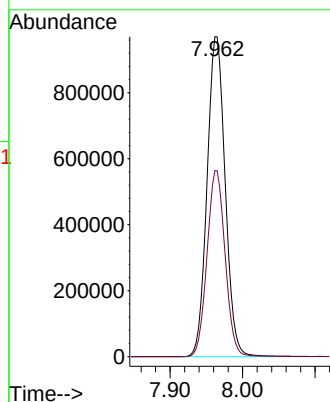
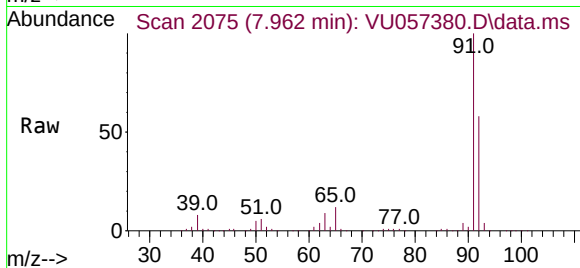
ClientSampleId :

Tgt Ion: 91 Resp: 1683589

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 211.656 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU057380.D

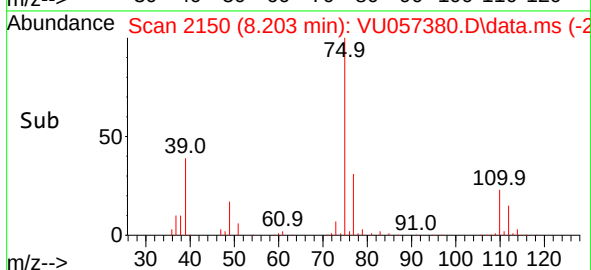
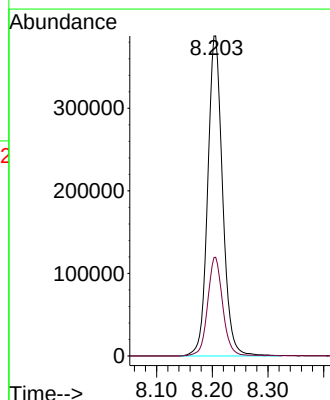
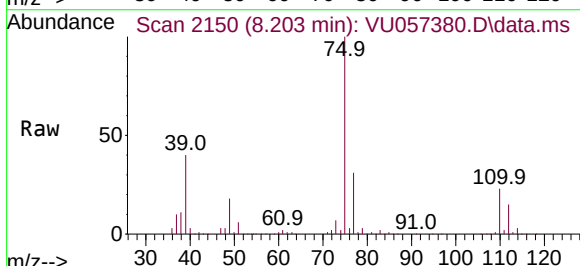
Acq: 08 Jan 2024 13:10

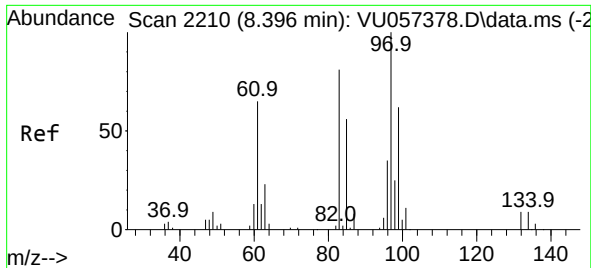
Tgt Ion: 75 Resp: 719989

Ion Ratio Lower Upper

75 100

77 30.7 21.3 39.5



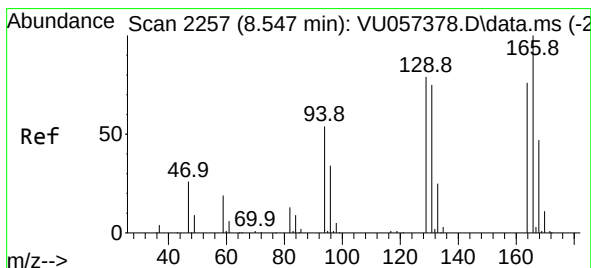
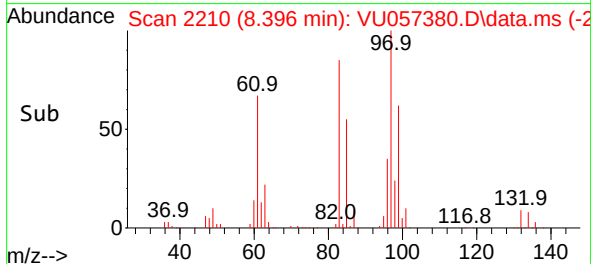
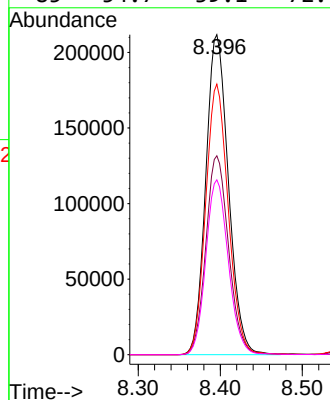
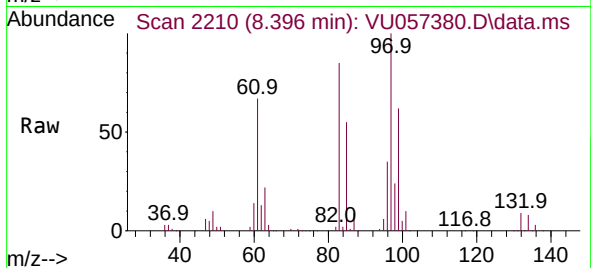


#45  
1,1,2-Trichloroethane  
Concen: 191.523 ug/L  
RT: 8.396 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 407767

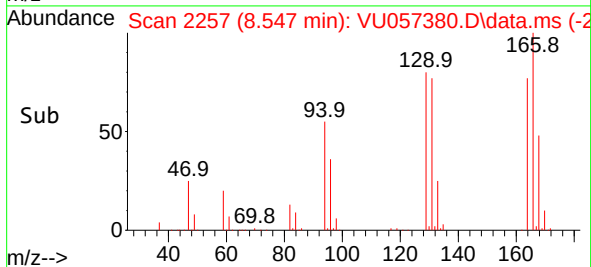
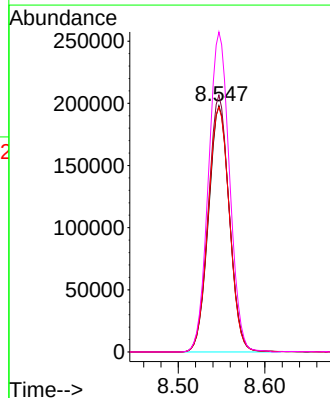
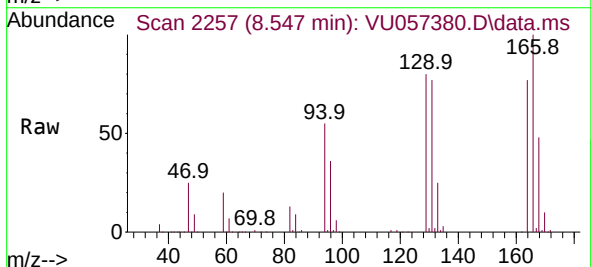
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.2  | 43.3  | 80.5  |
| 83  | 84.6  | 56.9  | 105.7 |
| 85  | 54.7  | 39.1  | 72.7  |

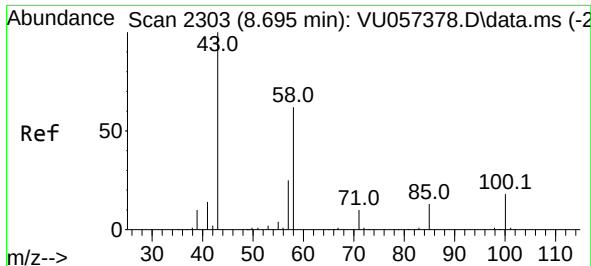


#46  
Tetrachloroethene  
Concen: 193.768 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion: 164 Resp: 335553

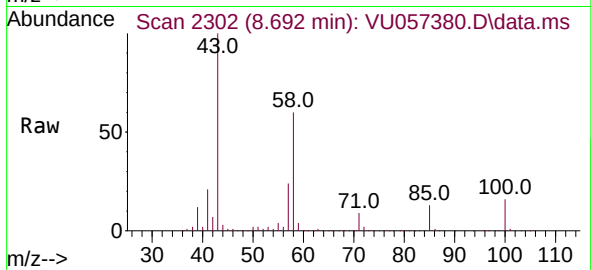
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 104.3 | 72.3  | 134.3 |
| 131 | 99.5  | 68.8  | 127.8 |
| 166 | 130.0 | 91.8  | 170.4 |





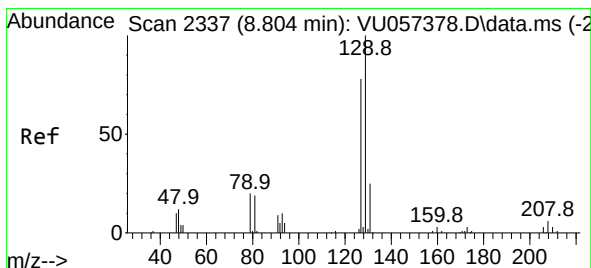
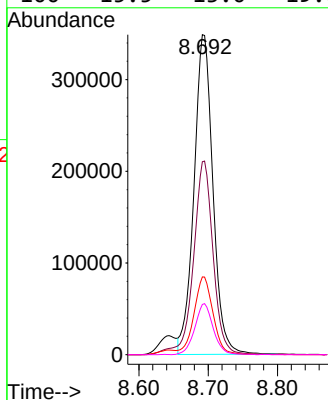
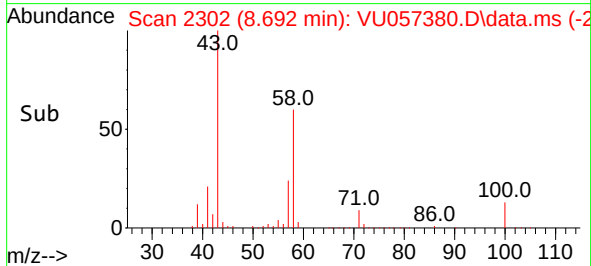
#48  
2-Hexanone  
Concen: 411.158 ug/L  
RT: 8.692 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 43 Resp: 664657

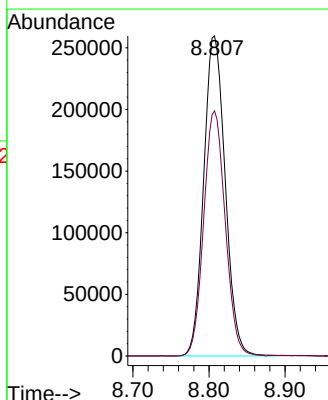
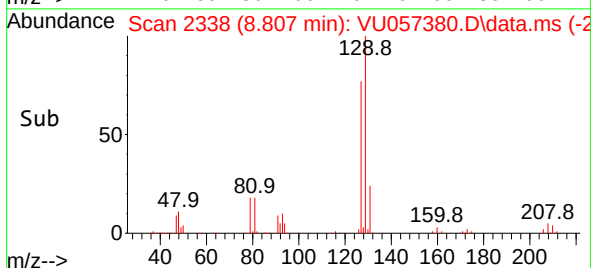
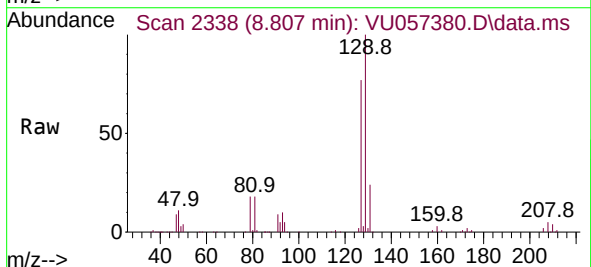
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 62.8  | 49.4  | 74.2  |
| 57  | 24.1  | 19.1  | 28.7  |
| 100 | 15.5  | 13.0  | 19.6  |

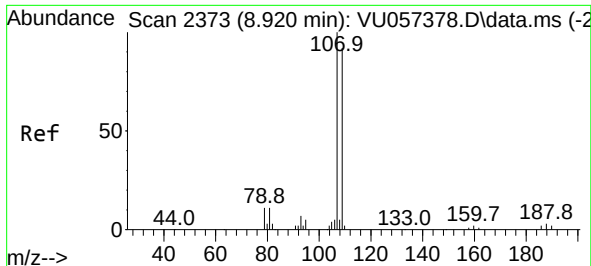


#49  
Dibromochloromethane  
Concen: 196.670 ug/L  
RT: 8.807 min Scan# 2338  
Delta R.T. 0.003 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion: 129 Resp: 510286

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.6  | 54.5  | 101.1 |





#50

1,2-Dibromoethane

Concen: 200.837 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

ClientSampleId :

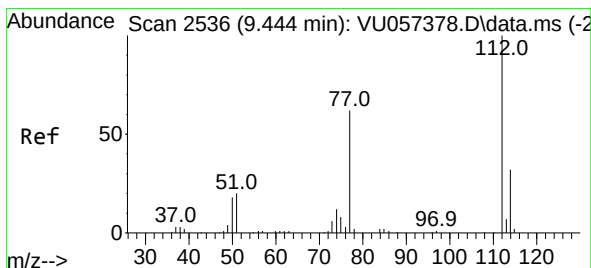
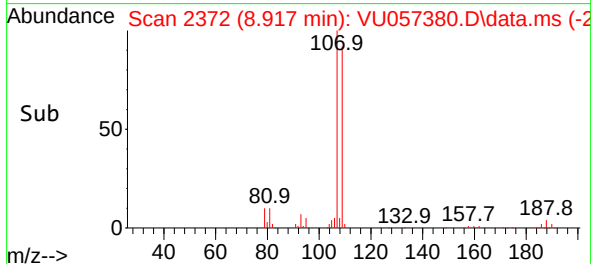
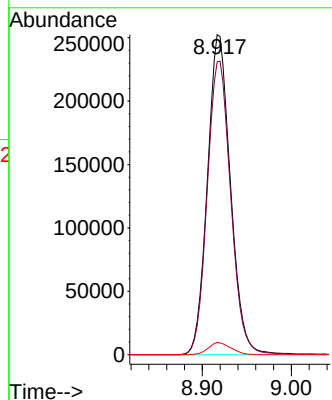
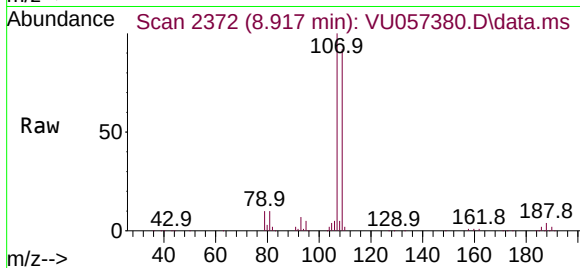
Tgt Ion:107 Resp: 453567

Ion Ratio Lower Upper

107 100

109 91.5 64.4 119.6

188 3.8 2.8 4.2



#51

Chlorobenzene

Concen: 200.294 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

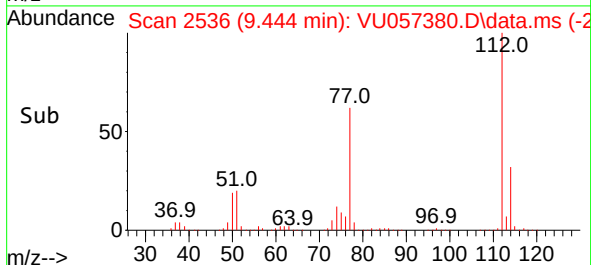
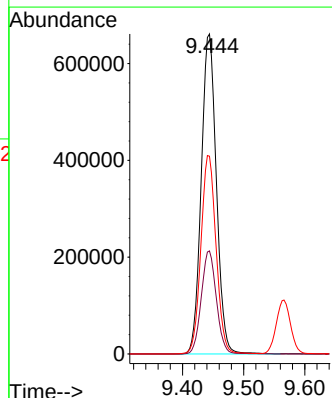
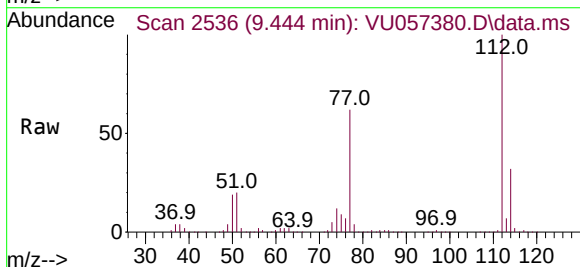
Tgt Ion:112 Resp: 1134756

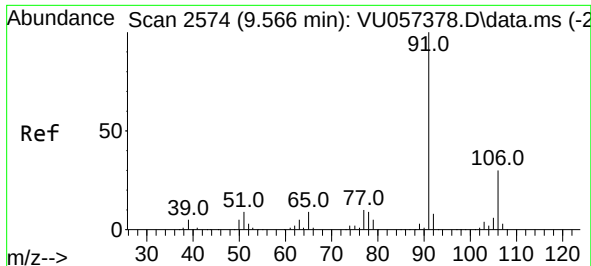
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 61.8 50.1 75.1

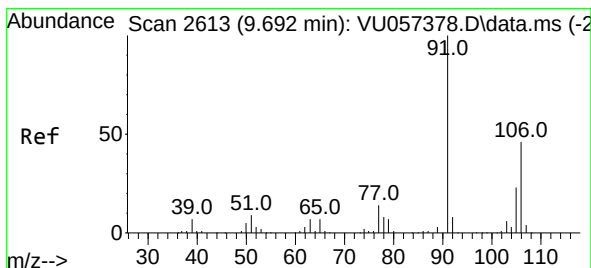
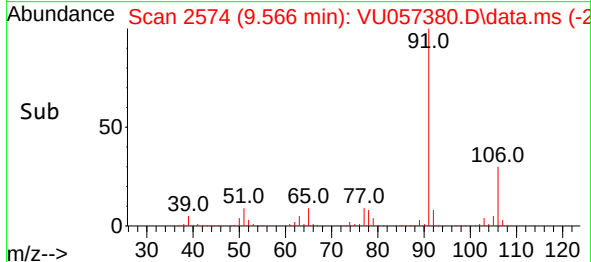
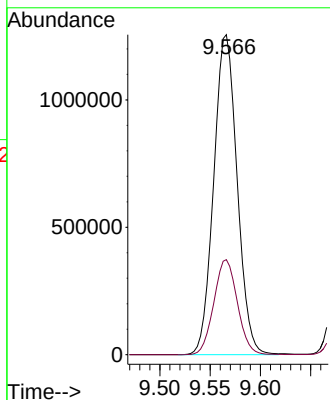
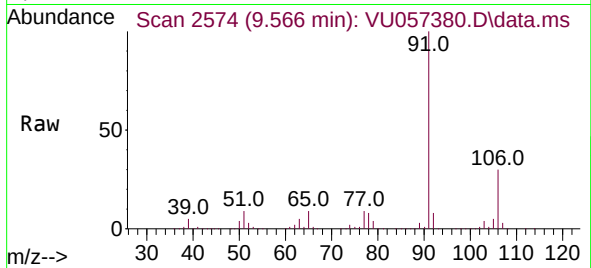




#52  
Ethylbenzene  
Concen: 216.606 ug/L  
RT: 9.566 min Scan# 216  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

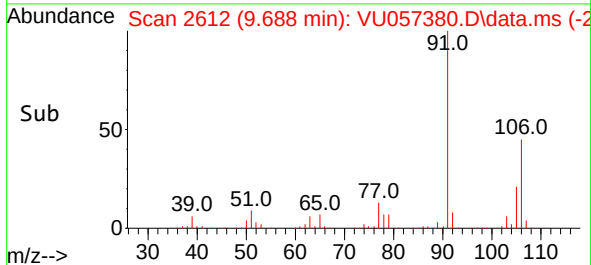
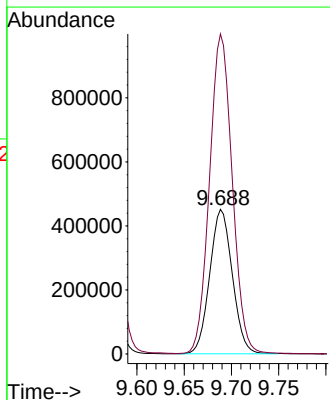
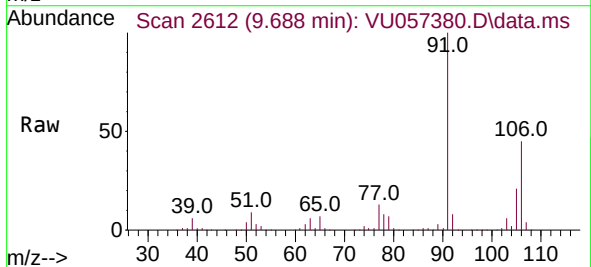
Instrument :  
MSVOA\_U  
ClientSampleId :

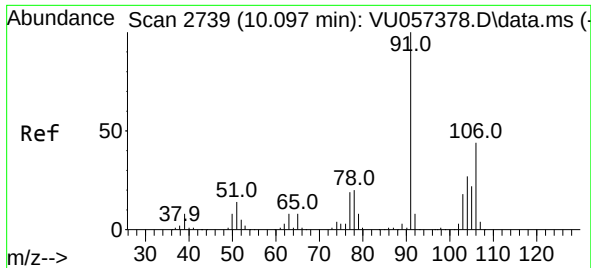
Tgt Ion: 91 Resp: 2033749  
Ion Ratio Lower Upper  
91 100  
106 29.7 21.0 39.0



#53  
m,p-Xylene  
Concen: 213.461 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. -0.003 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion:106 Resp: 749208  
Ion Ratio Lower Upper  
106 100  
91 221.3 151.8 281.8

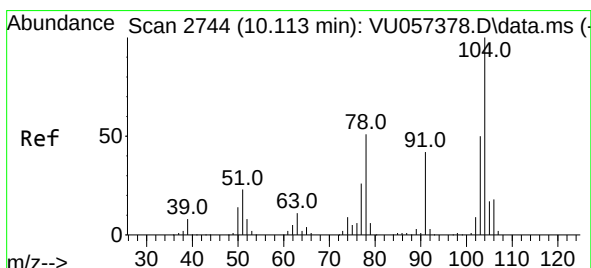
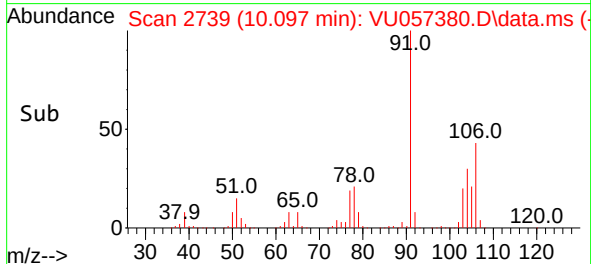
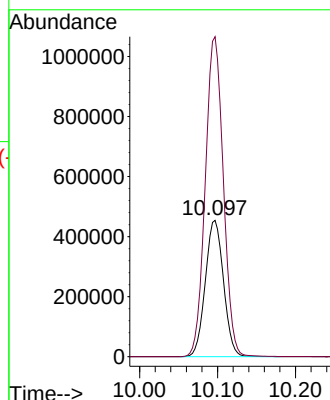
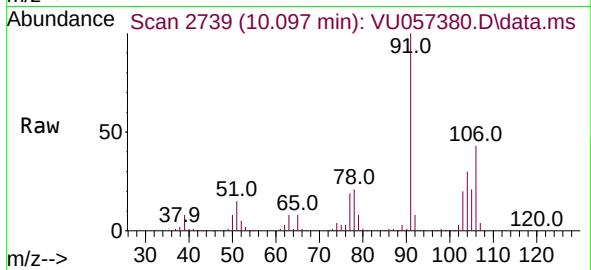




#54  
o-Xylene  
Concen: 215.020 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

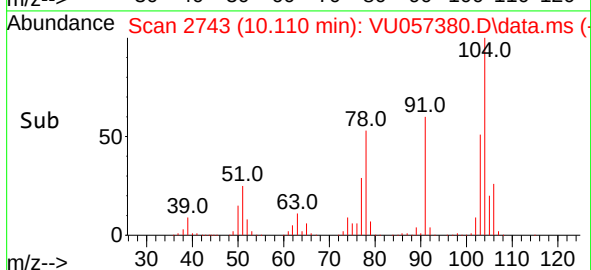
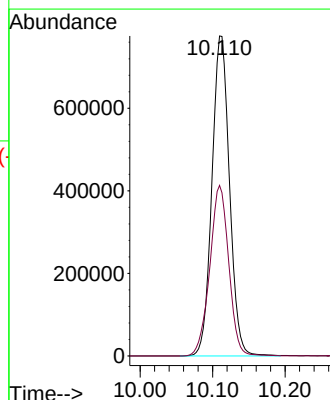
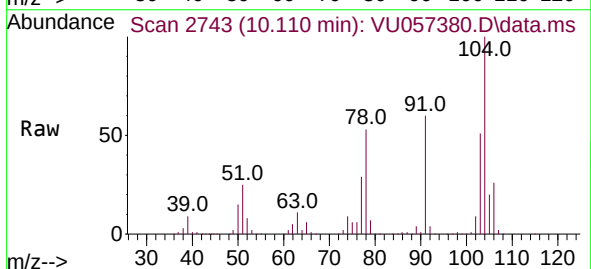
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 737013  
Ion Ratio Lower Upper  
106 100  
91 234.6 160.4 297.8

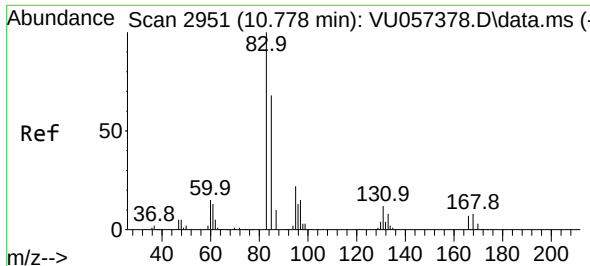


#55  
Styrene  
Concen: 224.781 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. -0.003 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion:104 Resp: 1304695  
Ion Ratio Lower Upper  
104 100  
78 53.3 35.8 66.6



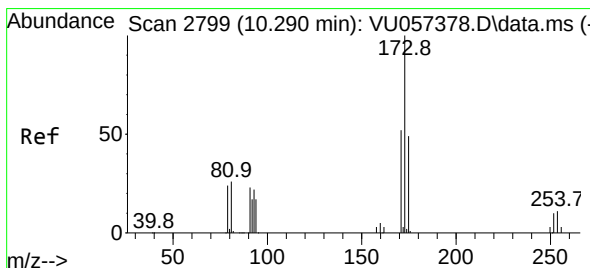
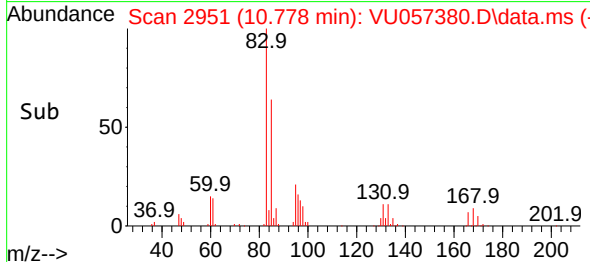
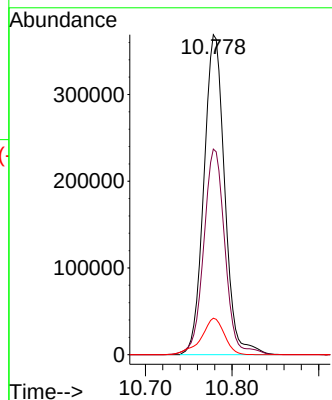
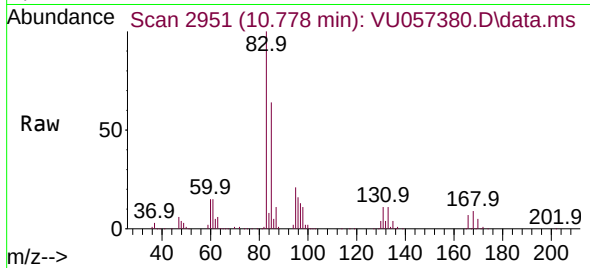




#57  
1,1,2,2-Tetrachloroethane  
Concen: 191.725 ug/L  
RT: 10.778 min Scan# 2951  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

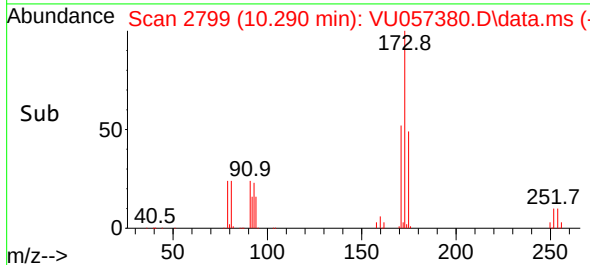
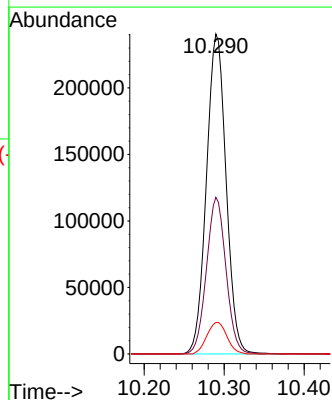
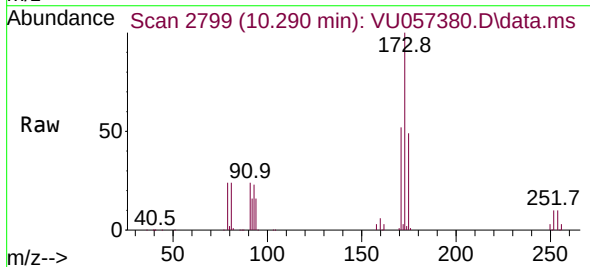
Instrument :  
MSVOA\_U  
ClientSampleId :

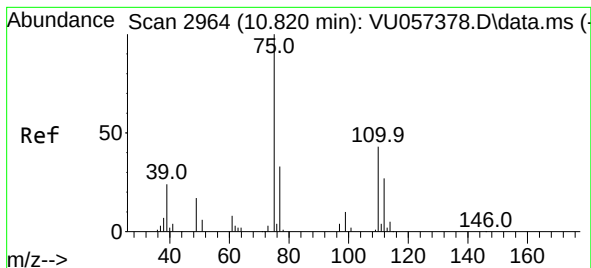
Tgt Ion: 83 Resp: 615502  
Ion Ratio Lower Upper  
83 100  
85 64.2 47.9 88.9  
131 11.4 9.8 14.8



#59  
Bromoform  
Concen: 190.360 ug/L  
RT: 10.290 min Scan# 2799  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion:173 Resp: 411525  
Ion Ratio Lower Upper  
173 100  
175 48.5 38.4 57.6  
254 10.0 7.9 11.9





#60

1,2,3-Trichloropropane

Concen: 179.629 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

ClientSampleId :

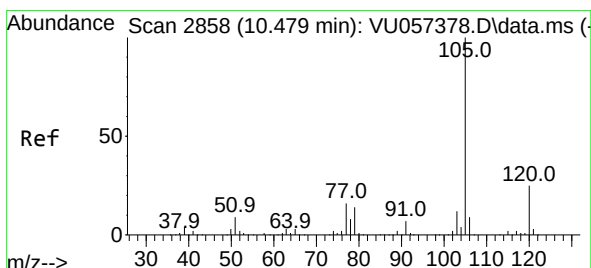
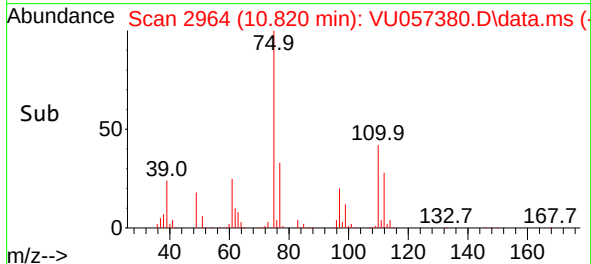
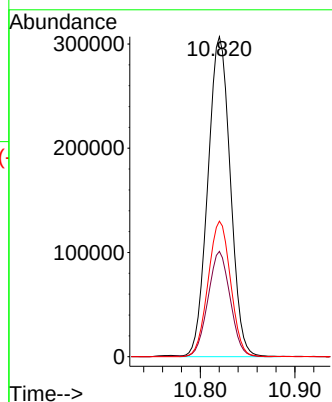
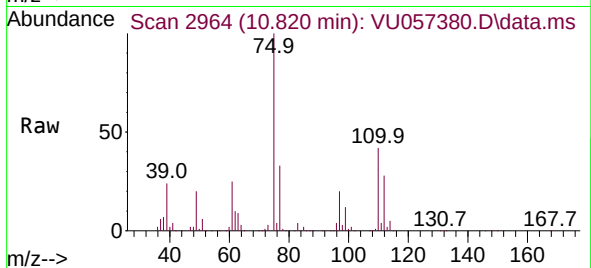
Tgt Ion: 75 Resp: 507287

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

110 42.4 33.6 50.4



#61

Isopropylbenzene

Concen: 214.257 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

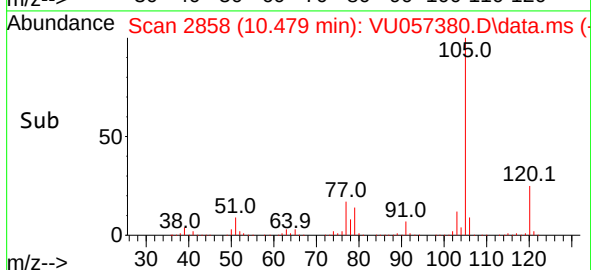
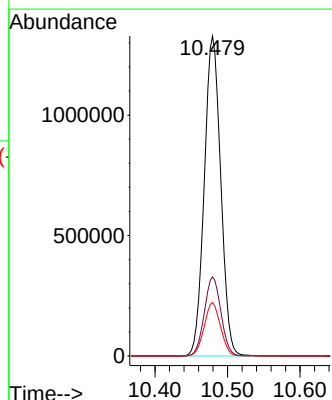
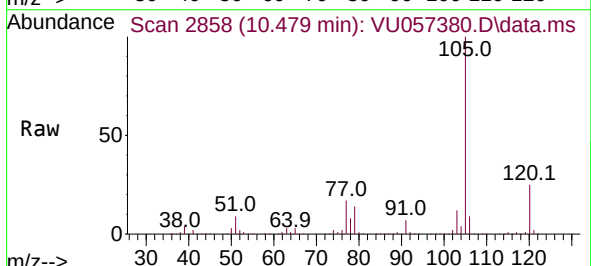
Tgt Ion:105 Resp: 2092029

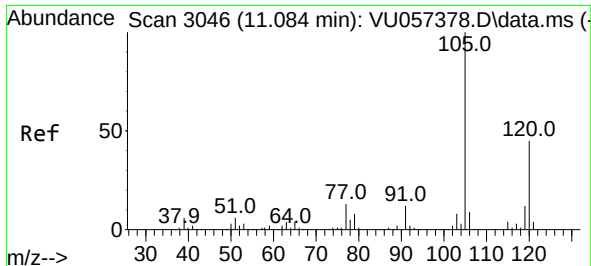
Ion Ratio Lower Upper

105 100

120 24.9 19.9 29.9

77 16.6 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 220.893 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057380.D

Acq: 08 Jan 2024 13:10

Instrument :

MSVOA\_U

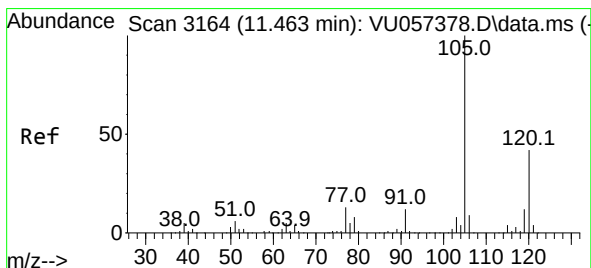
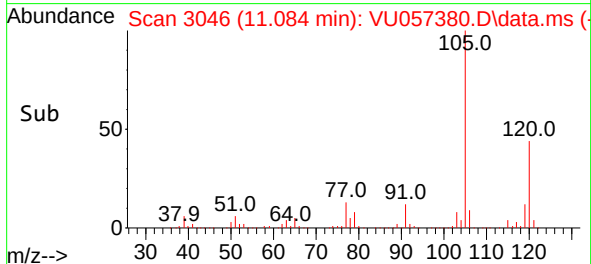
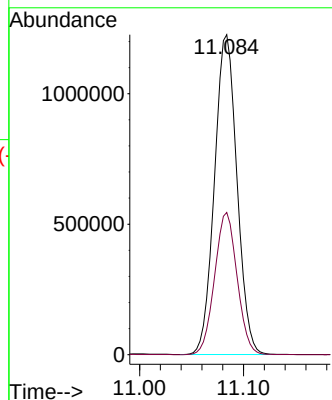
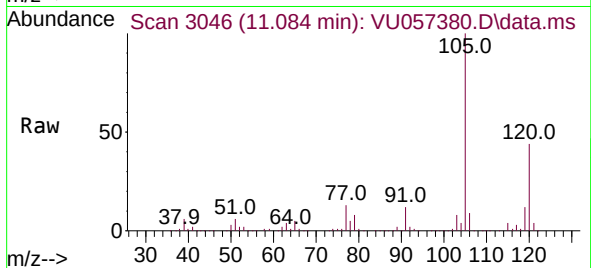
ClientSampleId :

Tgt Ion:105 Resp: 1844535

Ion Ratio Lower Upper

105 100

120 44.4 36.1 54.1



#63

1,2,4-Trimethylbenzene

Concen: 222.453 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057380.D

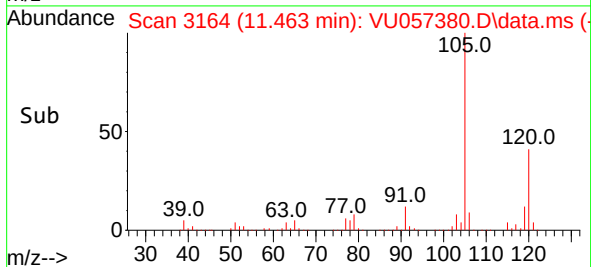
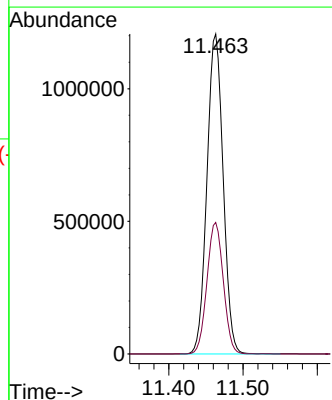
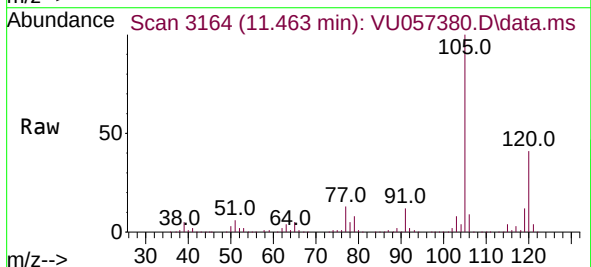
Acq: 08 Jan 2024 13:10

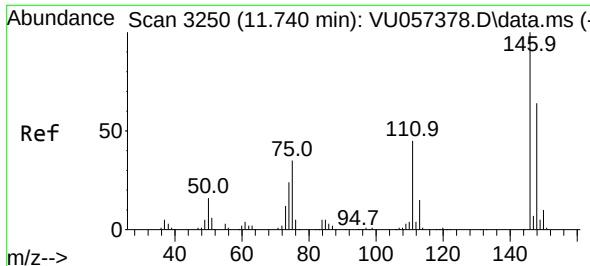
Tgt Ion:105 Resp: 1823495

Ion Ratio Lower Upper

105 100

120 41.5 33.4 50.2

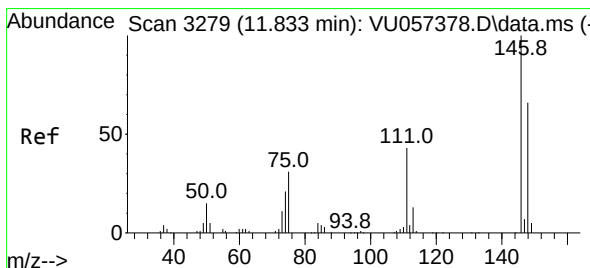
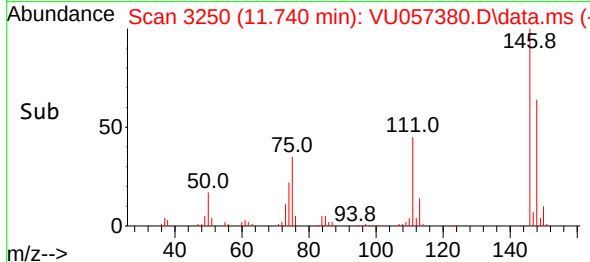
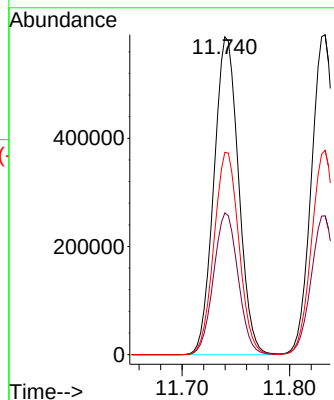
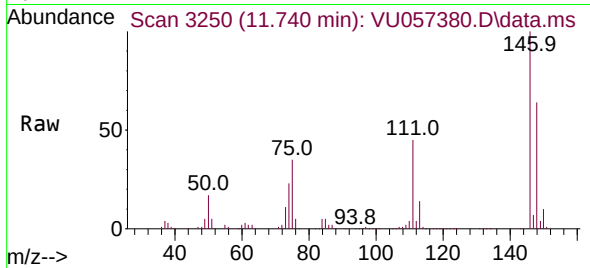




#64  
1,3-Dichlorobenzene  
Concen: 203.883 ug/L  
RT: 11.740 min Scan# 3250  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

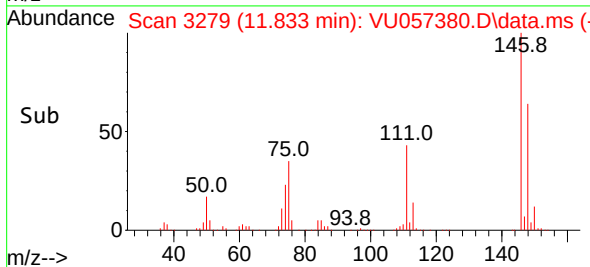
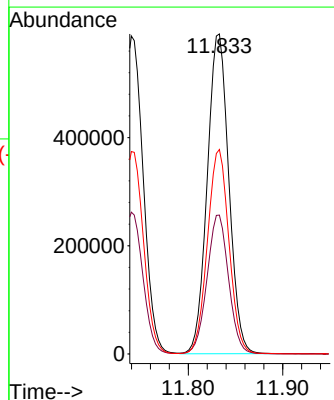
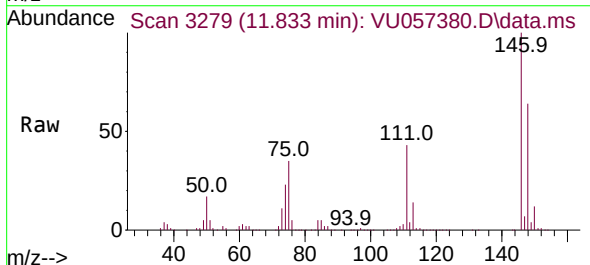
Instrument :  
MSVOA\_U  
ClientSampleId :

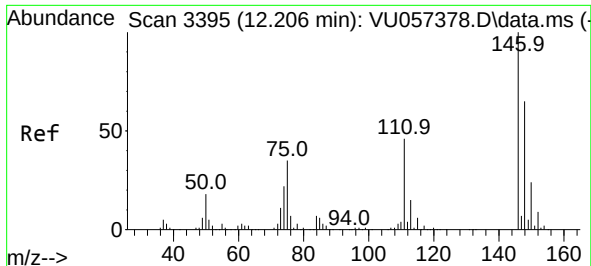
Tgt Ion:146 Resp: 938183  
Ion Ratio Lower Upper  
146 100  
111 44.6 31.6 58.8  
148 63.6 45.0 83.6



#65  
1,4-Dichlorobenzene  
Concen: 198.105 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion:146 Resp: 935759  
Ion Ratio Lower Upper  
146 100  
111 43.4 30.3 56.3  
148 63.9 45.9 85.3

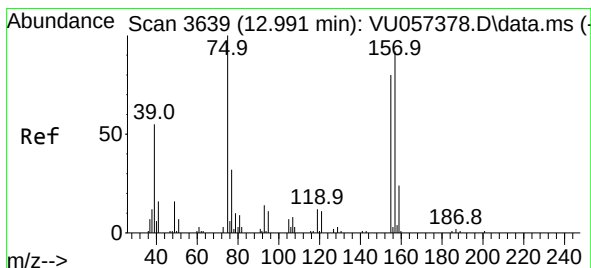
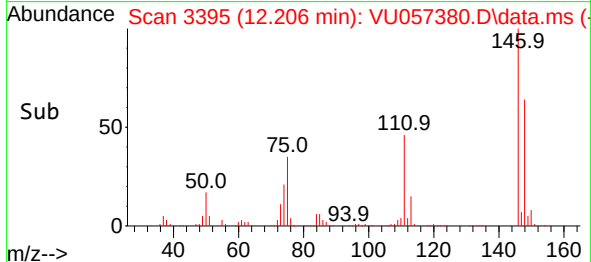
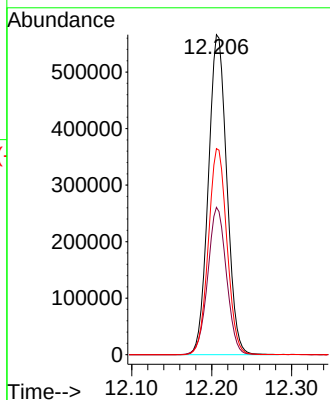
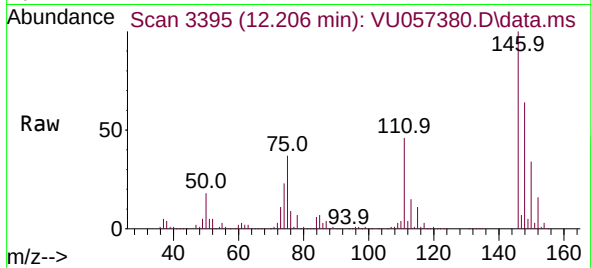




#67  
1,2-Dichlorobenzene  
Concen: 196.073 ug/L  
RT: 12.206 min Scan# 3395  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

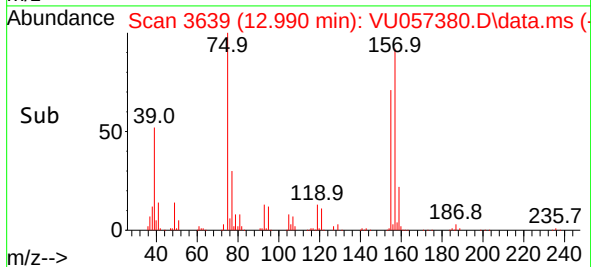
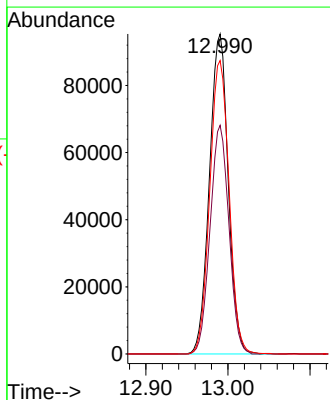
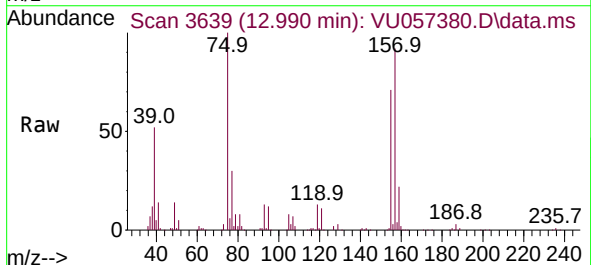
Instrument :  
MSVOA\_U  
ClientSampleId :

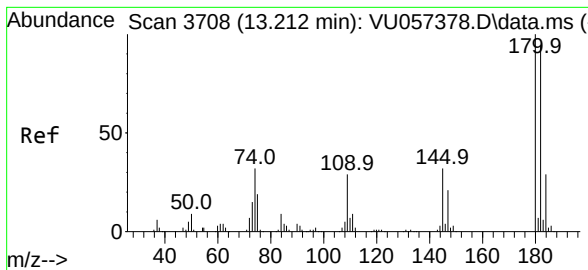
Tgt Ion:146 Resp: 909397  
Ion Ratio Lower Upper  
146 100  
111 46.0 36.9 55.3  
148 64.4 52.2 78.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 201.288 ug/L  
RT: 12.990 min Scan# 3639  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion: 75 Resp: 151788  
Ion Ratio Lower Upper  
75 100  
155 71.4 64.3 96.5  
157 91.7 73.8 110.6

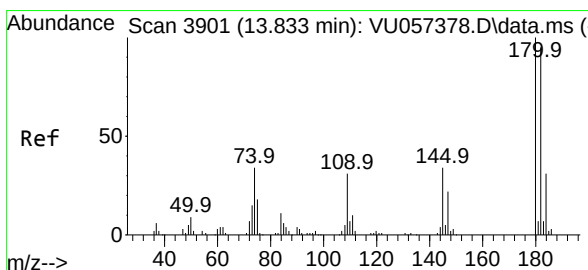
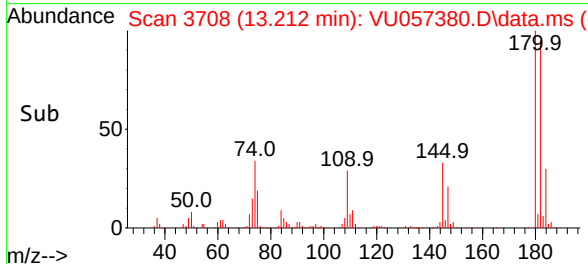
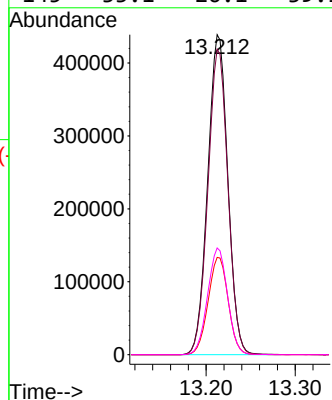
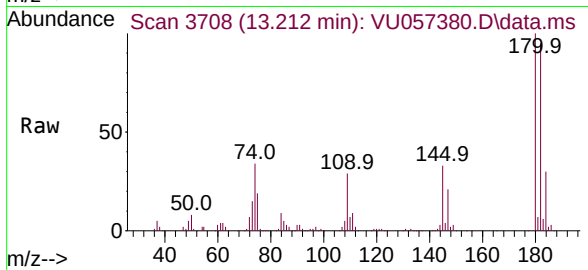




#69  
 1,3,5-Trichlorobenzene  
 Concen: 208.307 ug/L  
 RT: 13.212 min Scan# 3708  
 Delta R.T. -0.000 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

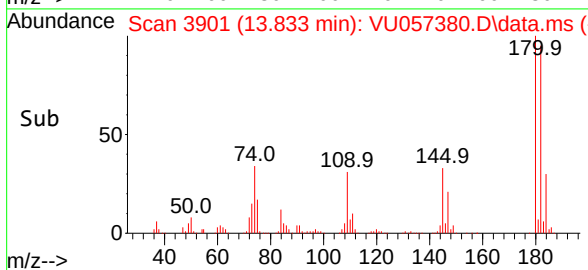
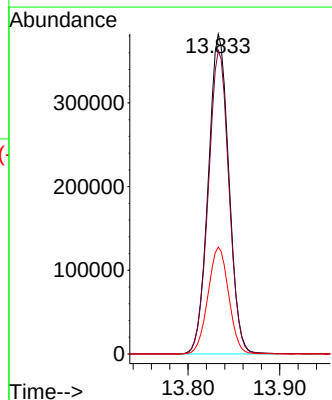
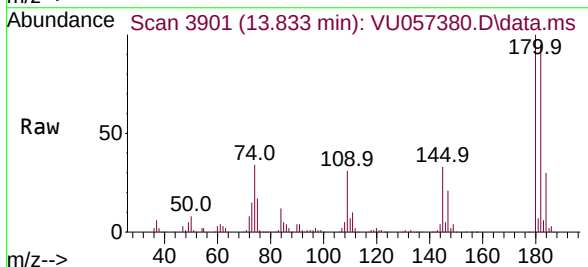
Instrument :  
 MSVOA\_U  
 ClientSampleId :

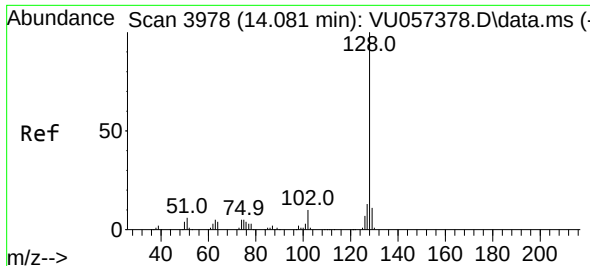
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 686142     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.1  | 75.6 113.4 |
| 184         | 30.4  | 23.9 35.9  |
| 145         | 33.1  | 26.1 39.1  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 237.881 ug/L  
 RT: 13.833 min Scan# 3901  
 Delta R.T. -0.000 min  
 Lab File: VU057380.D  
 Acq: 08 Jan 2024 13:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 596558     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.0  | 75.8 113.8 |
| 145         | 33.6  | 27.4 41.0  |

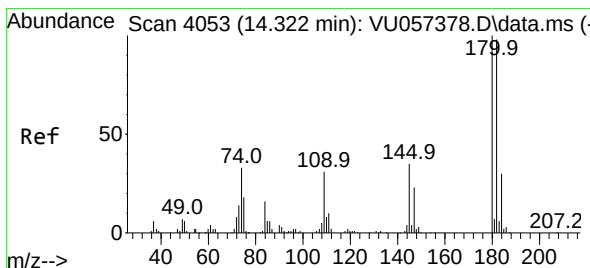
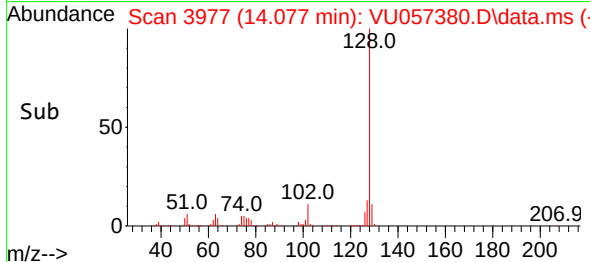
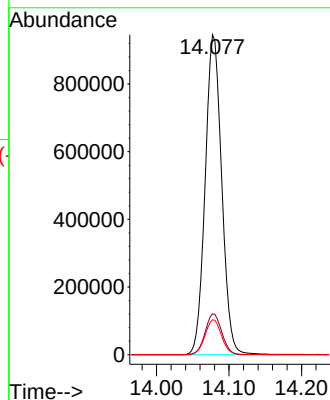
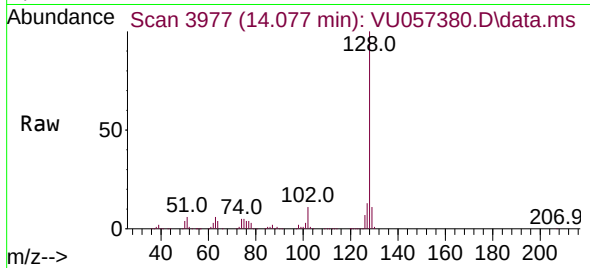




#71  
Naphthalene  
Concen: 255.583 ug/L  
RT: 14.077 min Scan# 3978  
Delta R.T. -0.003 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 1497636  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.2 15.2  
129 10.9 8.5 12.7



#72  
1,2,3-Trichlorobenzene  
Concen: 229.899 ug/L  
RT: 14.322 min Scan# 4053  
Delta R.T. -0.000 min  
Lab File: VU057380.D  
Acq: 08 Jan 2024 13:10

Tgt Ion:180 Resp: 545230  
Ion Ratio Lower Upper  
180 100  
182 96.1 77.5 116.3  
145 35.9 28.2 42.4

