

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071823\  
 Data File : VU054813.D  
 Acq On : 18 Jul 2023 17:37  
 Operator : MD/SY  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050105

Quant Time: Jul 19 02:51:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 19 02:47:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245   | 114   | 241472   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415   | 117   | 237711   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.808  | 152   | 132731   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596   | 65    | 79908    | 42.816   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 85.640%  |
| 7) Chloroethane-d5            | 1.885   | 69    | 79932    | 42.814   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.620%  |
| 11) 1,1-Dichloroethene-d2     | 2.557   | 63    | 120407   | 44.976   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.960%  |
| 21) 2-Butanone-d5             | 4.615   | 46    | 124143   | 103.485  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 103.480% |
| 24) Chloroform-d              | 5.055   | 84    | 140365   | 48.315   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.620%  |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 84169    | 48.381   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.760%  |
| 32) Benzene-d6                | 5.721   | 84    | 266010   | 46.979   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.960%  |
| 36) 1,2-Dichloropropane-d6    | 6.686   | 67    | 91700    | 48.095   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.200%  |
| 41) Toluene-d8                | 7.895   | 98    | 258773   | 47.959   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.920%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 44102    | 45.217   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.440%  |
| 47) 2-Hexanone-d5             | 8.628   | 63    | 89535    | 99.343   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 99.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 170856   | 48.788   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 97.580%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 113611   | 49.811   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.620%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 87382    | 47.882   | ug/L   | 97       |
| 3) Chloromethane              | 1.519   | 50    | 96861    | 46.541   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.602   | 62    | 128650   | 47.544   | ug/L   | 99       |
| 6) Bromomethane               | 1.827   | 94    | 82829    | 50.292   | ug/L   | 99       |
| 8) Chloroethane               | 1.908   | 64    | 85242    | 45.537   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.120   | 101   | 205812   | 47.520   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567   | 101   | 72738    | 45.526   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.567   | 96    | 69757    | 46.428   | ug/L   | 98       |
| 13) Acetone                   | 2.621   | 43    | 75672    | 74.997   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.782   | 76    | 204890   | 46.702   | ug/L   | 98       |
| 15) Methyl Acetate            | 2.943   | 43    | 84779    | 50.374   | ug/L   | 98       |
| 16) Methylene chloride        | 3.036   | 84    | 86722    | 47.813   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.345   | 96    | 73257    | 47.106   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.358   | 73    | 261031   | 48.500   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.859   | 63    | 145840   | 49.147   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 4.657   | 96    | 87589    | 47.386   | ug/L   | 99       |
| 22) 2-Butanone                | 4.695   | 43    | 122179   | 87.708   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.969   | 128   | 46320    | 49.258   | ug/L   | 89       |
| 25) Chloroform                | 5.081   | 83    | 151387   | 48.650   | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071823\  
 Data File : VU054813.D  
 Acq On : 18 Jul 2023 17:37  
 Operator : MD/SY  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050105

Quant Time: Jul 19 02:51:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 19 02:47:32 2023  
 Response via : Initial Calibration

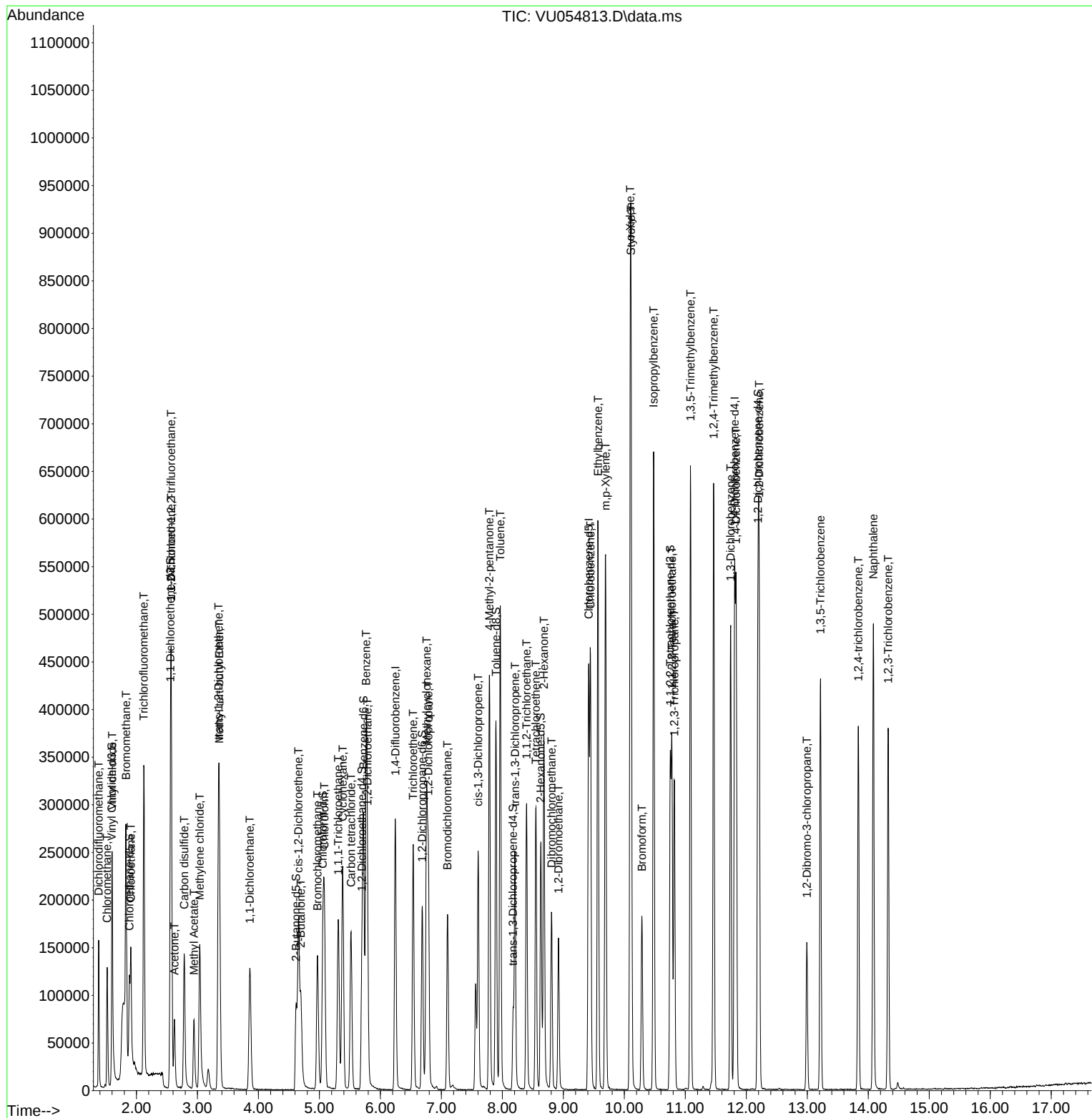
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.789  | 62   | 115317   | 48.798 | ug/L   | 99       |
| 29) Cyclohexane               | 5.380  | 56   | 119608   | 45.759 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 127666   | 48.393 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 5.518  | 117  | 108907   | 47.804 | ug/L   | 99       |
| 33) Benzene                   | 5.766  | 78   | 329477   | 48.376 | ug/L   | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 81898    | 47.240 | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.756  | 83   | 130277   | 45.981 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 90268    | 48.191 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 117163   | 48.754 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 145380   | 47.059 | ug/L   | 92       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 275054   | 95.900 | ug/L   | 99       |
| 42) Toluene                   | 7.965  | 91   | 369680   | 48.507 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 136967   | 47.189 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 92767    | 48.576 | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.547  | 164  | 62363    | 46.920 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.679  | 43   | 220191   | 92.670 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.805  | 129  | 92557    | 47.054 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 100031   | 48.663 | ug/L   | 94       |
| 51) Chlorobenzene             | 9.444  | 112  | 240485   | 48.503 | ug/L   | 99       |
| 52) Ethylbenzene              | 9.567  | 91   | 424779   | 48.209 | ug/L   | 94       |
| 53) m,p-Xylene                | 9.692  | 106  | 160566   | 47.862 | ug/L   | 99       |
| 54) o-Xylene                  | 10.097 | 106  | 162550   | 47.696 | ug/L   | 99       |
| 55) Styrene                   | 10.110 | 104  | 280100   | 47.190 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 179644   | 47.646 | ug/L   | 99       |
| 59) Bromoform                 | 10.287 | 173  | 78560    | 47.319 | ug/L # | 99       |
| 60) 1,2,3-Trichloropropane    | 10.820 | 75   | 127051   | 49.056 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.480 | 105  | 429853   | 49.015 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 351594   | 48.681 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.464 | 105  | 344574   | 48.132 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 194013   | 47.701 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 195465   | 47.714 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 12.210 | 146  | 198728   | 48.639 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 33919    | 49.001 | ug/L   | 84       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 129370   | 47.450 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 113404   | 48.179 | ug/L   | 98       |
| 71) Naphthalene               | 14.084 | 128  | 388564   | 50.296 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 111053   | 48.450 | ug/L   | 99       |

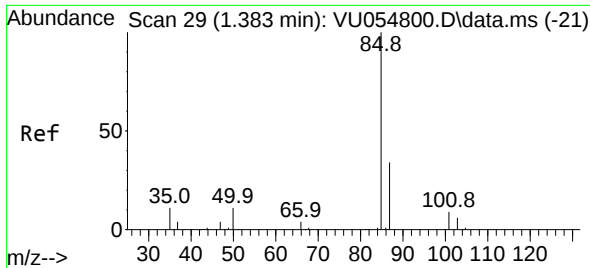
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071823\  
Data File : VU054813.D  
Acq On : 18 Jul 2023 17:37  
Operator : MD/SY  
Sample : VSTDCCC050EC  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

Quant Time: Jul 19 02:51:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 19 02:47:32 2023  
Response via : Initial Calibration

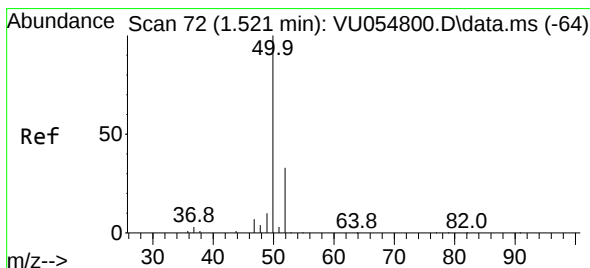
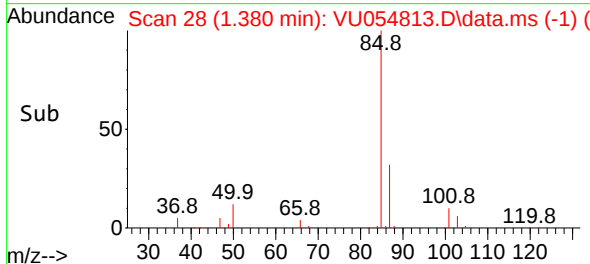
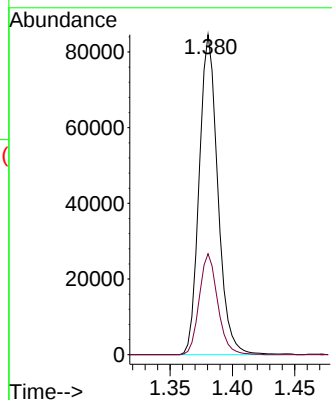
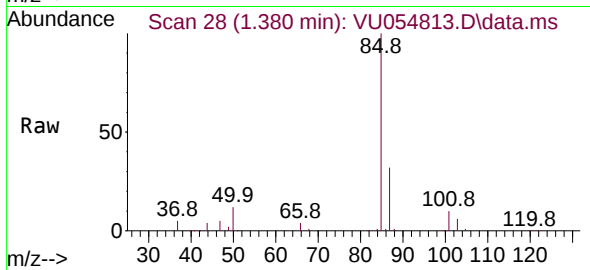




#2  
Dichlorodifluoromethane  
Concen: 47.882 ug/L  
RT: 1.380 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

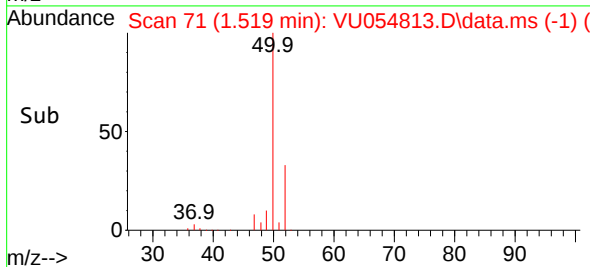
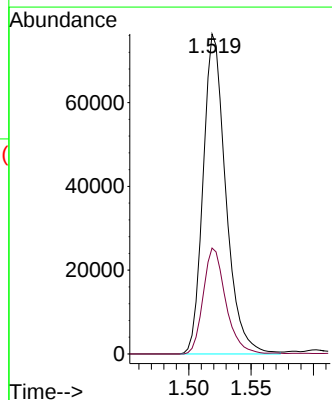
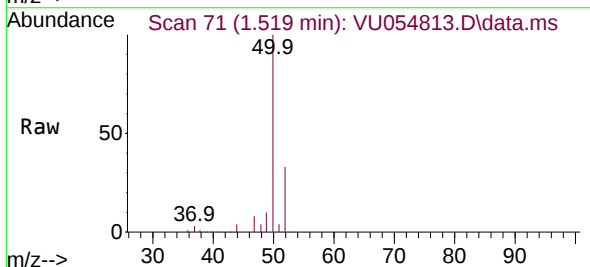
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

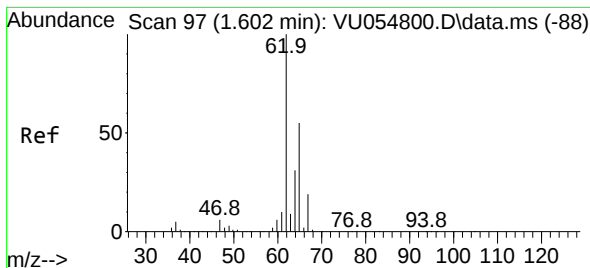
Tgt Ion: 85 Resp: 87382  
Ion Ratio Lower Upper  
85 100  
87 31.2 26.2 39.2



#3  
Chloromethane  
Concen: 46.541 ug/L  
RT: 1.519 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 50 Resp: 96861  
Ion Ratio Lower Upper  
50 100  
52 33.1 22.5 41.9





#5

Vinyl chloride

Concen: 47.544 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

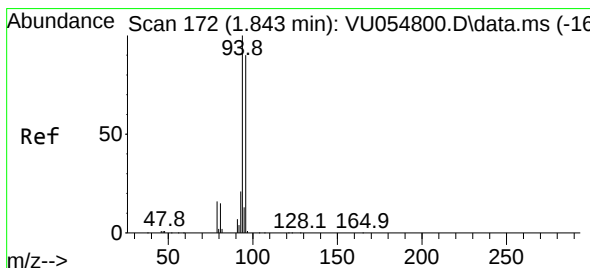
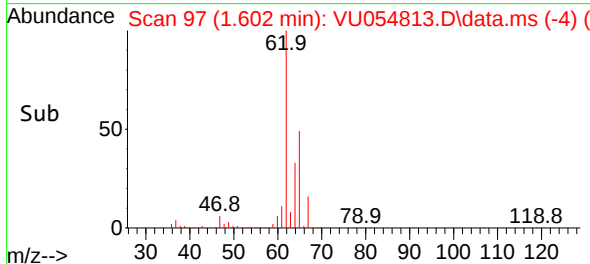
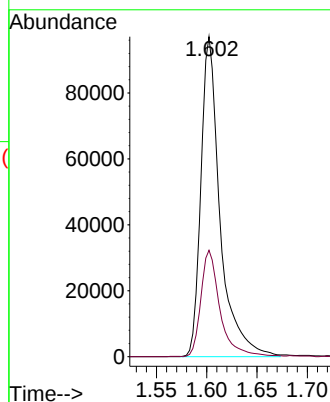
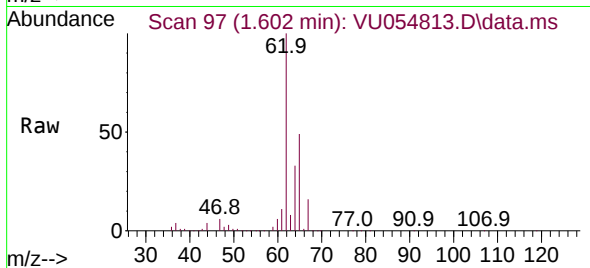
VSTD050105

Tgt Ion: 62 Resp: 128650

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



#6

Bromomethane

Concen: 50.292 ug/L

RT: 1.827 min Scan# 167

Delta R.T. -0.016 min

Lab File: VU054813.D

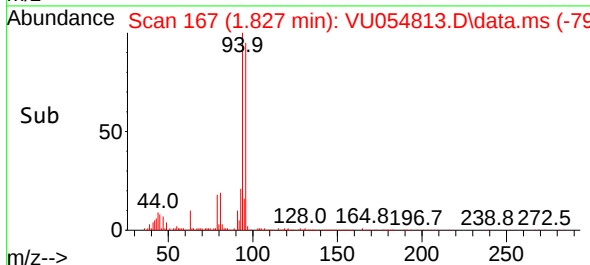
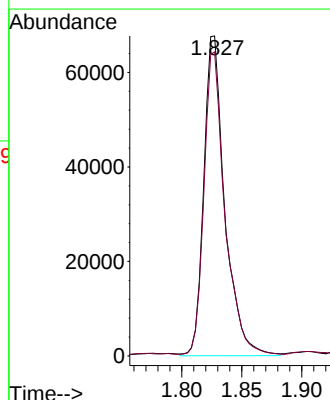
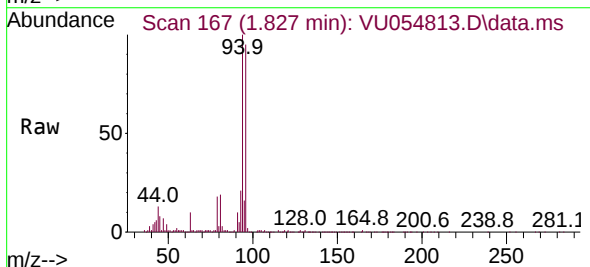
Acq: 18 Jul 2023 17:37

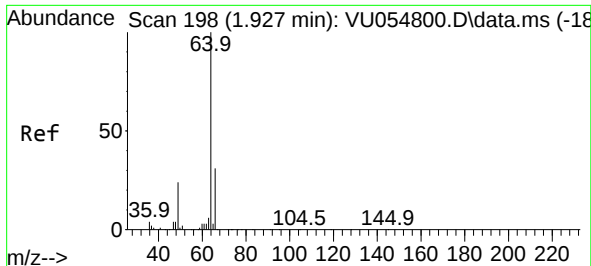
Tgt Ion: 94 Resp: 82829

Ion Ratio Lower Upper

94 100

96 95.0 66.1 122.8

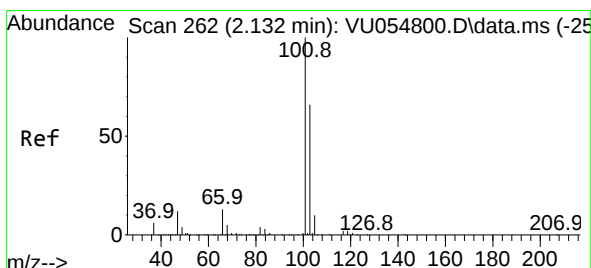
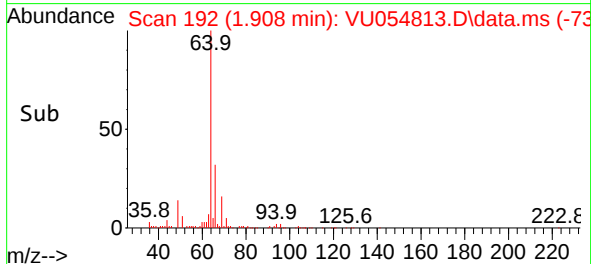
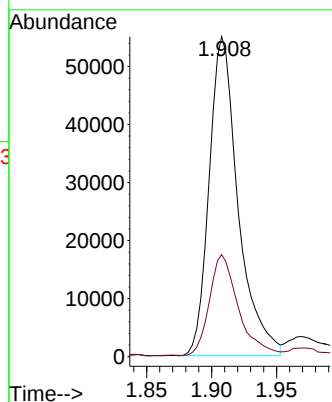
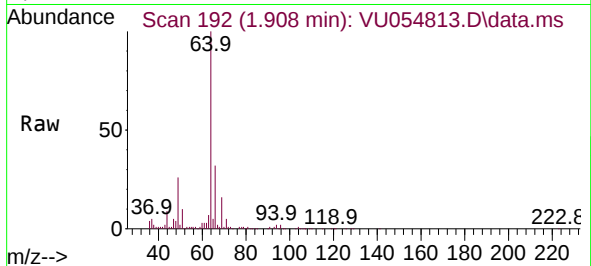




#8  
Chloroethane  
Concen: 45.537 ug/L  
RT: 1.908 min Scan# 198  
Delta R.T. -0.019 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

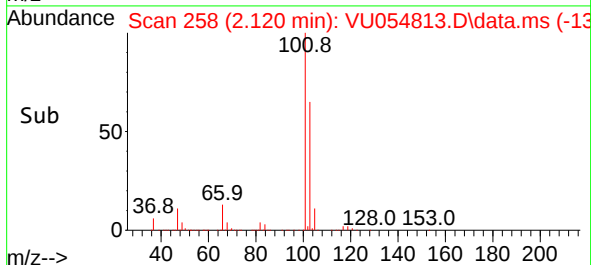
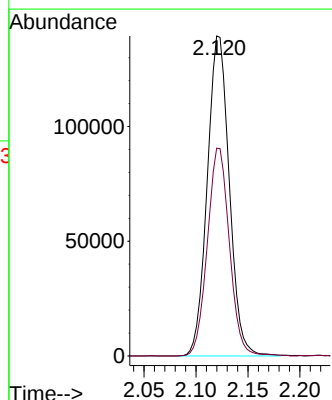
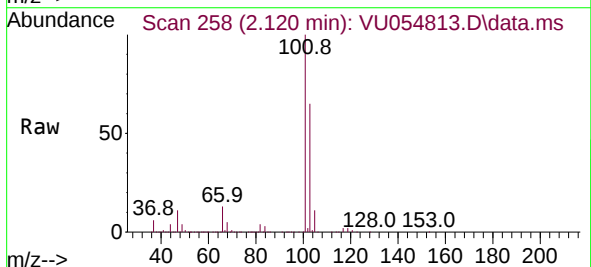
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

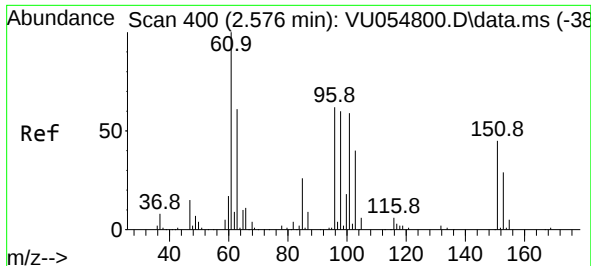
Tgt Ion: 64 Resp: 85242  
Ion Ratio Lower Upper  
64 100  
66 31.9 22.8 42.4



#9  
Trichlorofluoromethane  
Concen: 47.520 ug/L  
RT: 2.120 min Scan# 258  
Delta R.T. -0.012 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion:101 Resp: 205812  
Ion Ratio Lower Upper  
101 100  
103 65.0 52.2 78.2

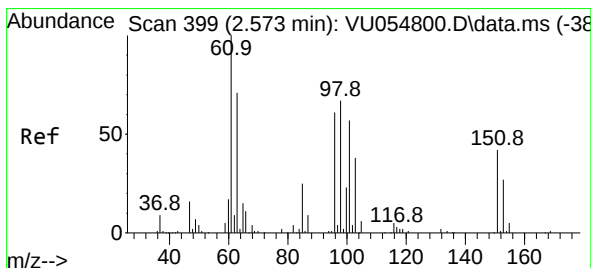
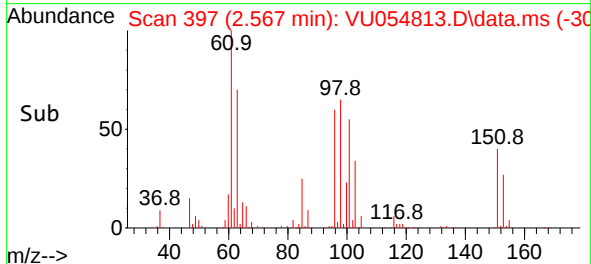
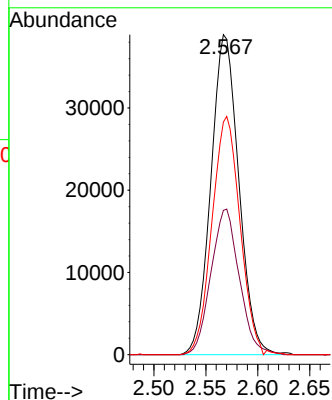
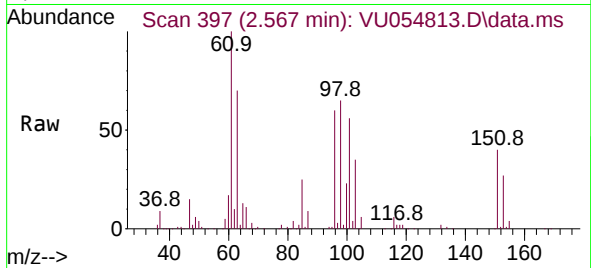




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 45.526 ug/L  
RT: 2.567 min Scan# 397  
Delta R.T. -0.009 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

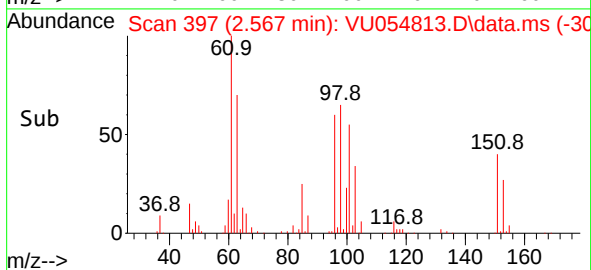
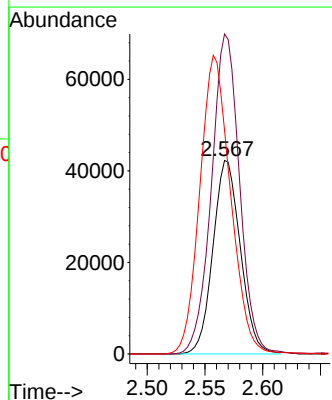
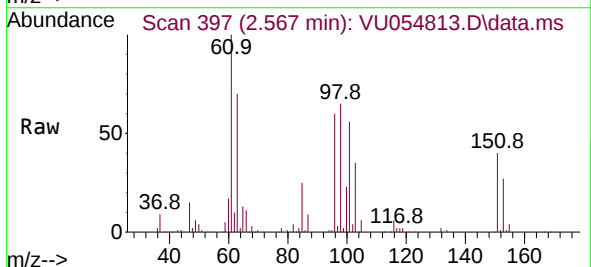
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

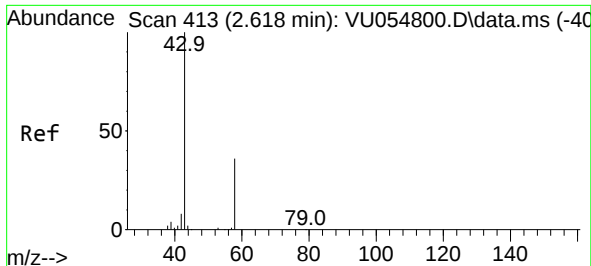
Tgt Ion:101 Resp: 72738  
Ion Ratio Lower Upper  
101 100  
85 46.1 35.3 52.9  
151 74.6 58.2 87.4



#12  
1,1-Dichloroethene  
Concen: 46.428 ug/L  
RT: 2.567 min Scan# 397  
Delta R.T. -0.006 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 96 Resp: 69757  
Ion Ratio Lower Upper  
96 100  
61 165.4 115.0 213.6  
63 115.8 77.6 144.0





#13

Acetone

Concen: 74.997 ug/L

RT: 2.621 min Scan# 413

Delta R.T. 0.004 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

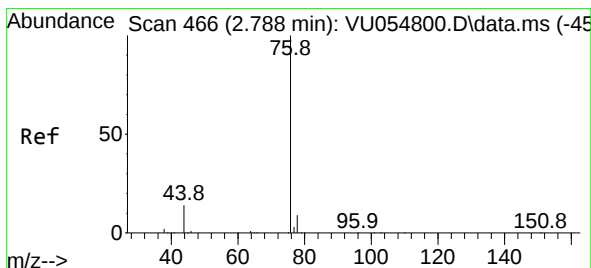
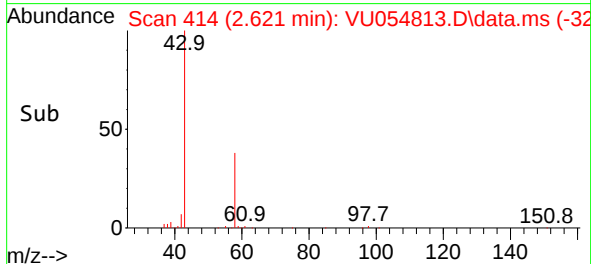
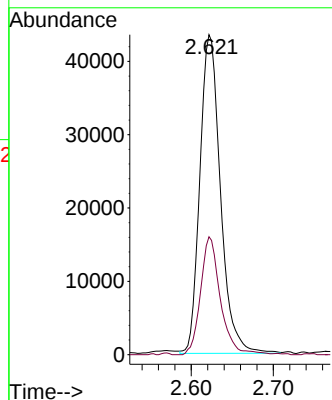
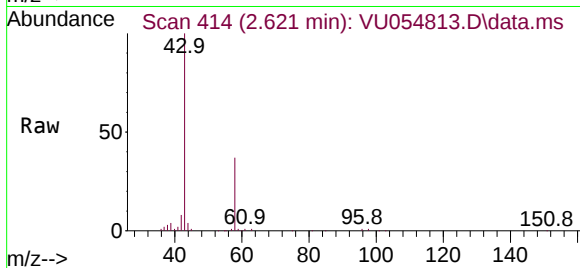
VSTD050105

Tgt Ion: 43 Resp: 75672

Ion Ratio Lower Upper

43 100

58 35.6 0.0 72.4



#14

Carbon disulfide

Concen: 46.702 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.006 min

Lab File: VU054813.D

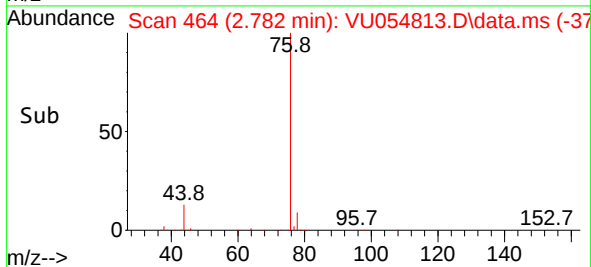
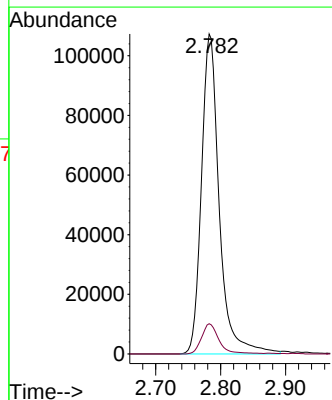
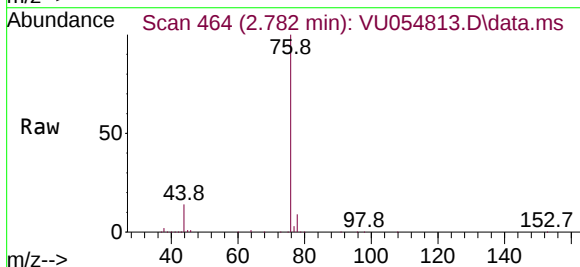
Acq: 18 Jul 2023 17:37

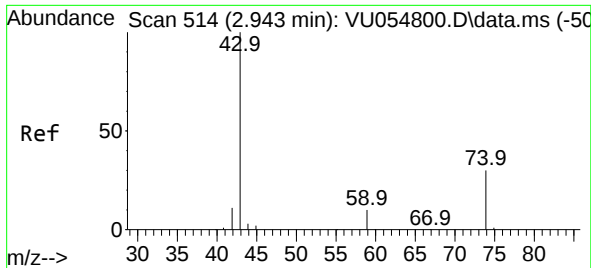
Tgt Ion: 76 Resp: 204890

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

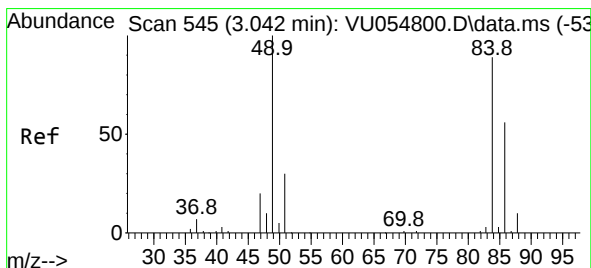
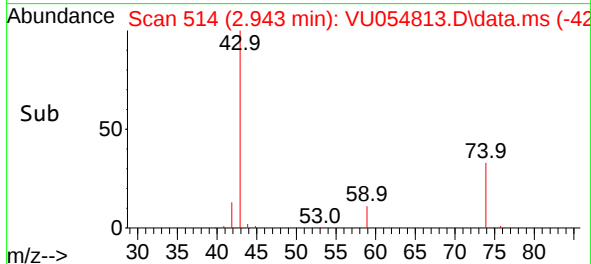
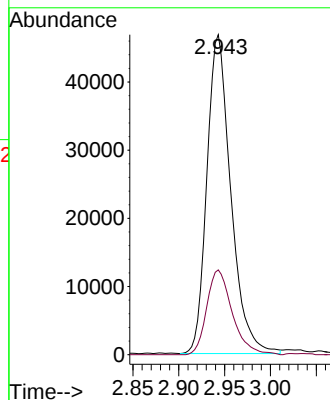
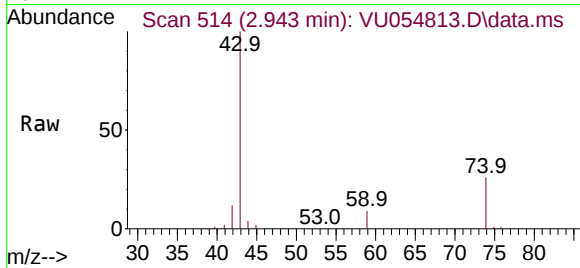




#15  
Methyl Acetate  
Concen: 50.374 ug/L  
RT: 2.943 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

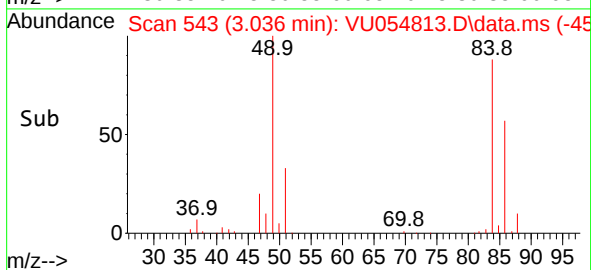
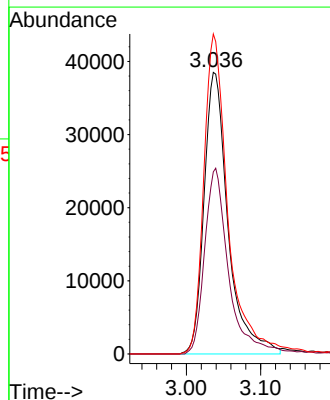
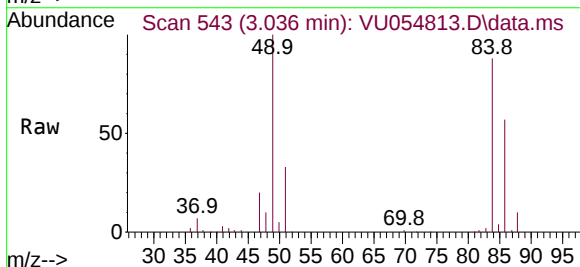
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

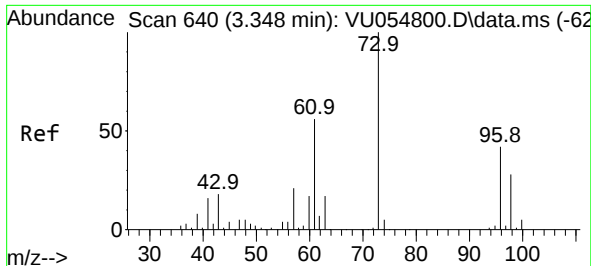
Tgt Ion: 43 Resp: 84779  
Ion Ratio Lower Upper  
43 100  
74 28.3 21.8 32.8



#16  
Methylene chloride  
Concen: 47.813 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.006 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 84 Resp: 86722  
Ion Ratio Lower Upper  
84 100  
86 64.6 46.8 87.0  
49 113.6 81.3 151.1

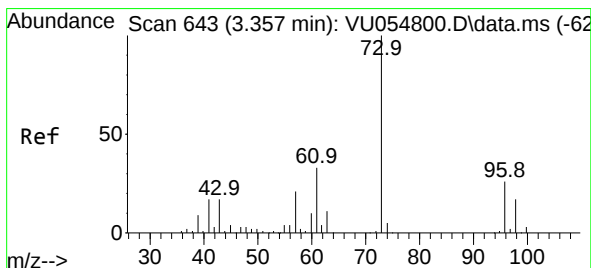
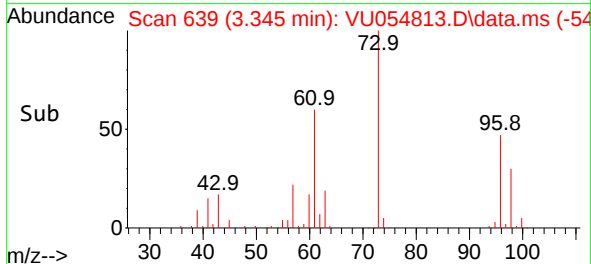
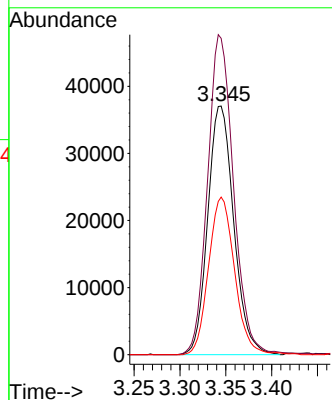
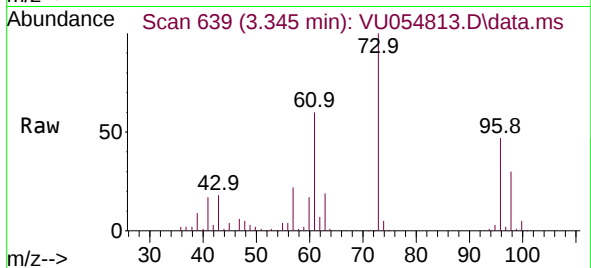




#17  
trans-1,2-Dichloroethene  
Concen: 47.106 ug/L  
RT: 3.345 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

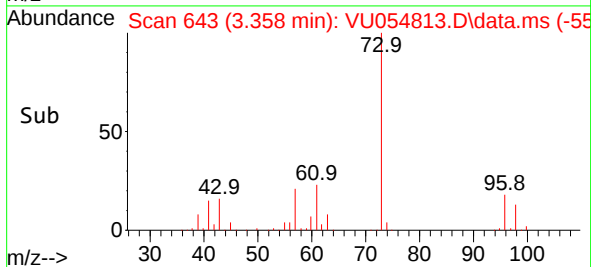
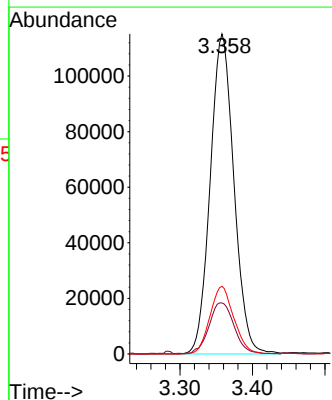
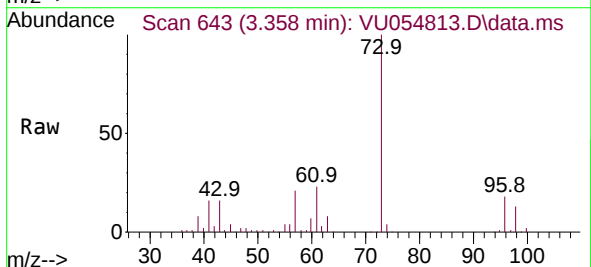
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

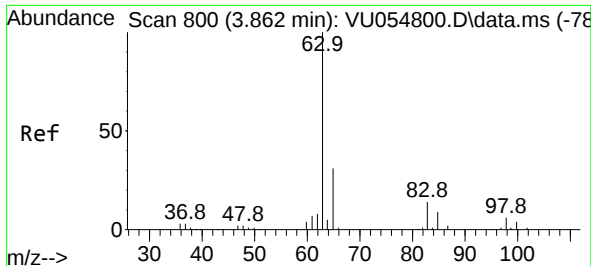
Tgt Ion: 96 Resp: 73257  
Ion Ratio Lower Upper  
96 100  
61 127.2 93.2 173.2  
98 63.4 44.7 82.9



#18  
Methyl tert-butyl Ether  
Concen: 48.500 ug/L  
RT: 3.358 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 73 Resp: 261031  
Ion Ratio Lower Upper  
73 100  
43 16.9 14.3 21.5  
57 21.4 17.4 26.0





#19

1,1-Dichloroethane

Concen: 49.147 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050105

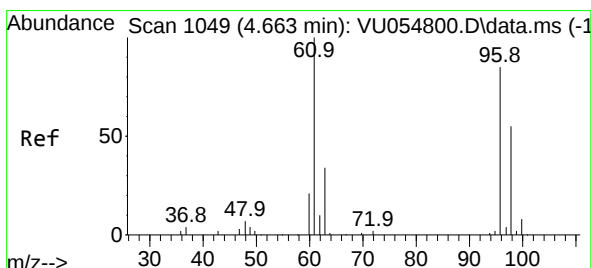
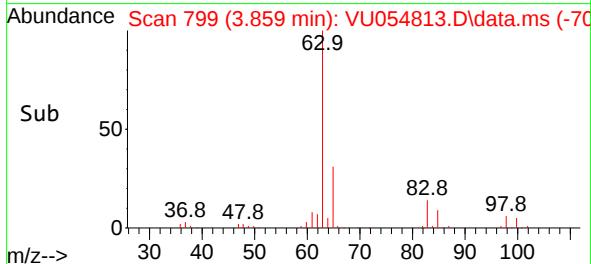
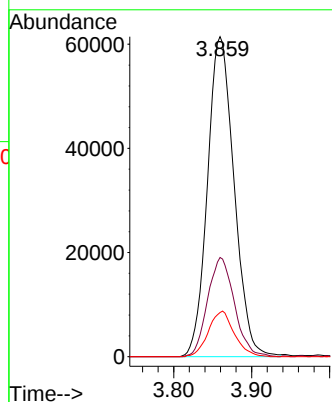
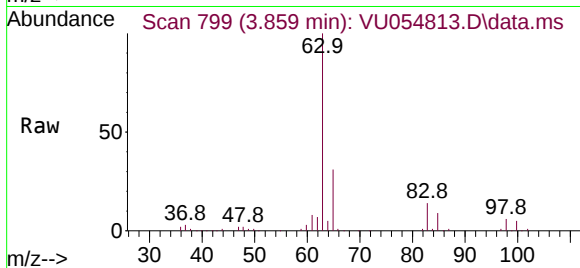
Tgt Ion: 63 Resp: 145840

Ion Ratio Lower Upper

63 100

65 31.7 22.1 41.1

83 13.8 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.386 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

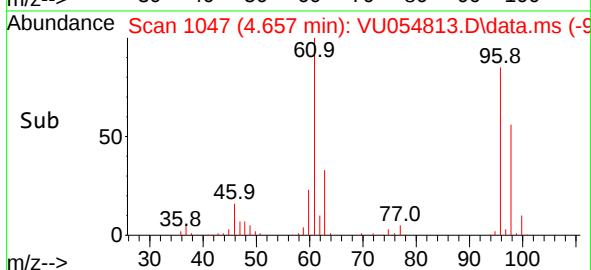
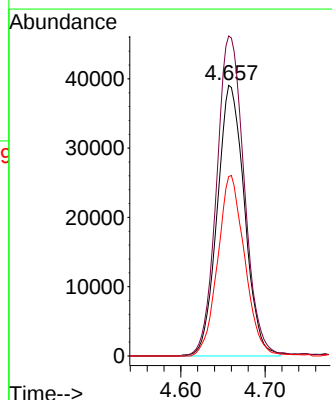
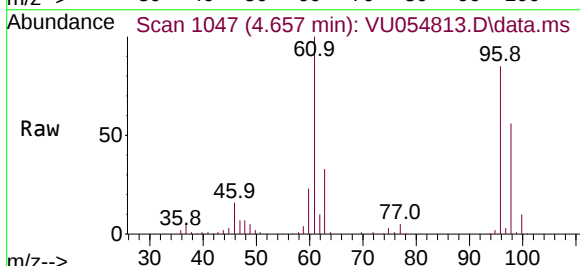
Tgt Ion: 96 Resp: 87589

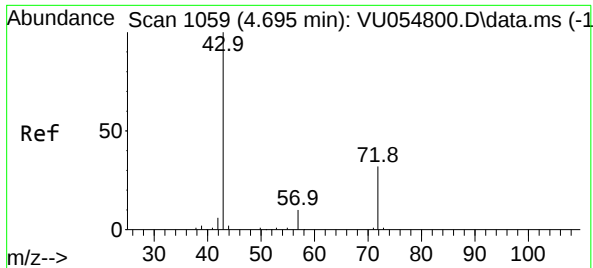
Ion Ratio Lower Upper

96 100

61 118.3 82.7 153.7

98 66.3 44.4 82.5





#22

2-Butanone

Concen: 87.708 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

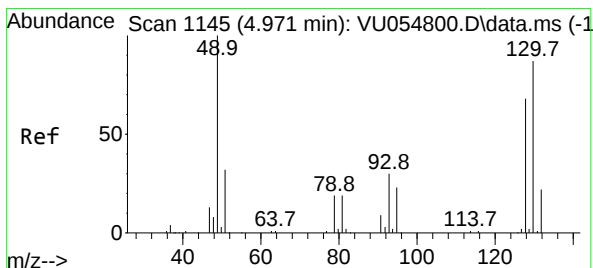
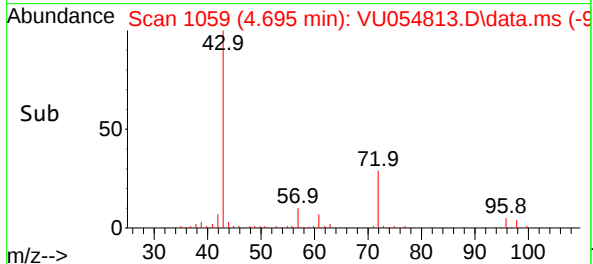
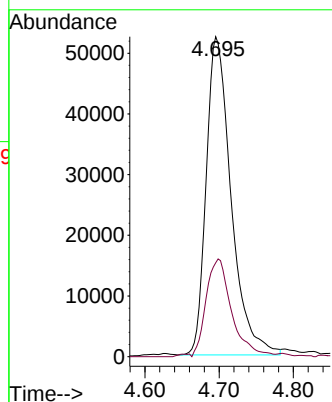
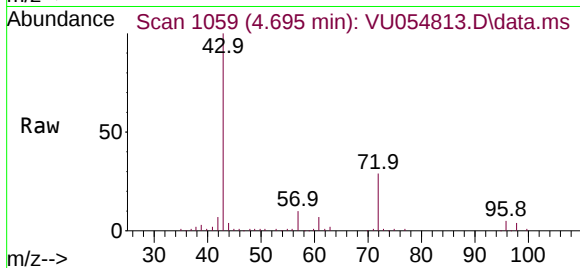
VSTD050105

Tgt Ion: 43 Resp: 122179

Ion Ratio Lower Upper

43 100

72 31.4 15.2 45.6



#23

Bromochloromethane

Concen: 49.258 ug/L

RT: 4.969 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Tgt Ion:128 Resp: 46320

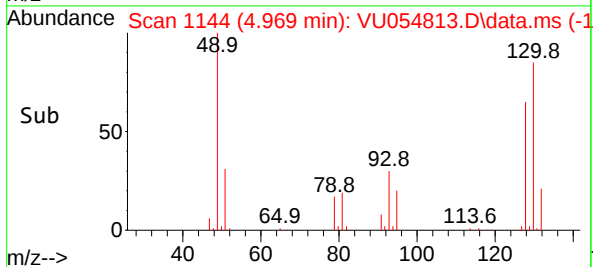
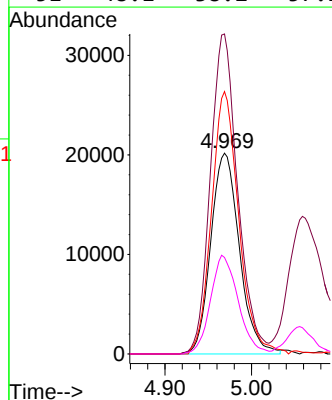
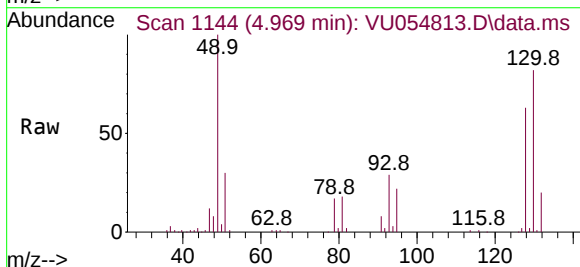
Ion Ratio Lower Upper

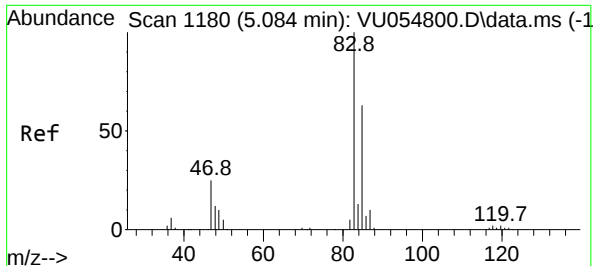
128 100

49 159.3 100.6 186.8

130 132.7 83.0 154.1

51 48.1 38.2 57.2

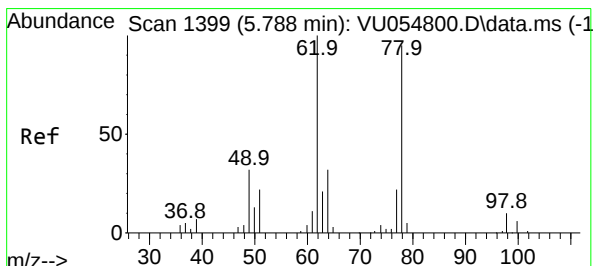
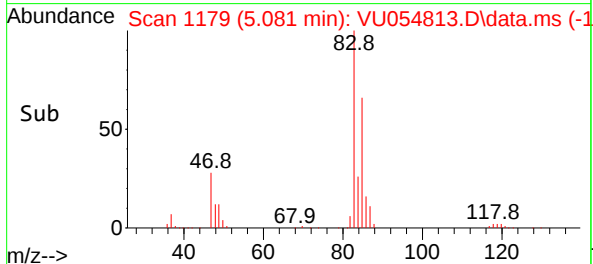
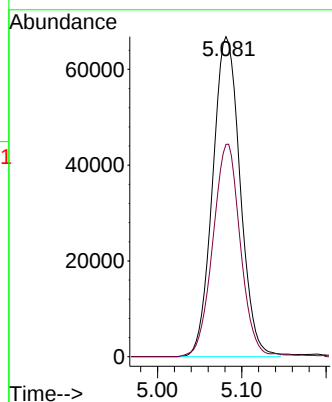
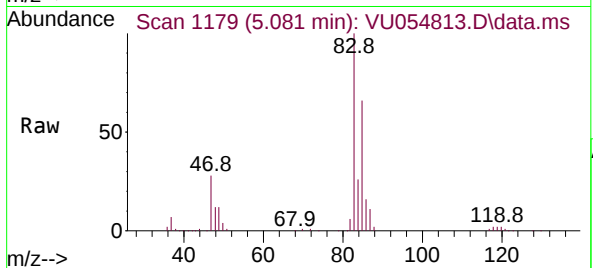




#25  
Chloroform  
Concen: 48.650 ug/L  
RT: 5.081 min Scan# 1180  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

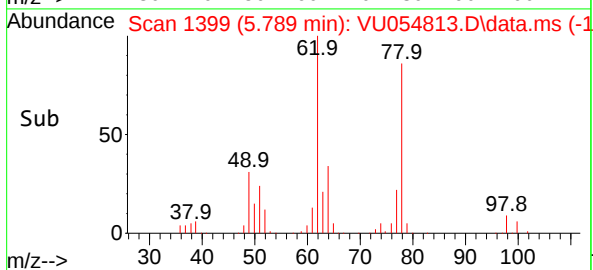
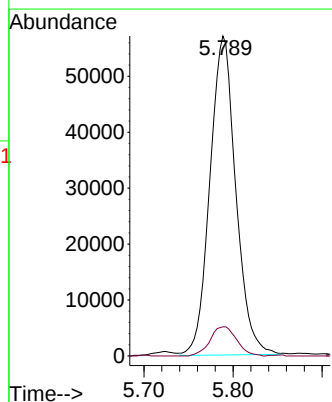
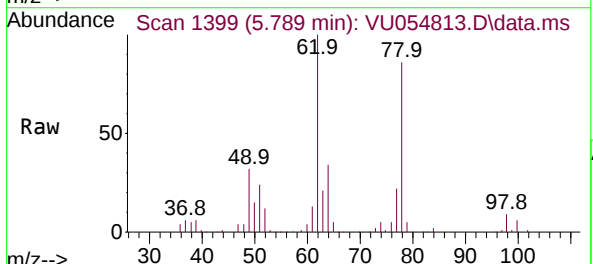
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

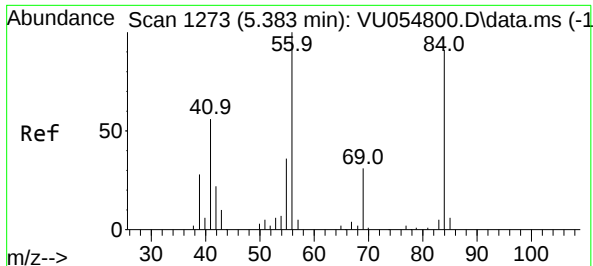
Tgt Ion: 83 Resp: 151387  
Ion Ratio Lower Upper  
83 100  
85 66.4 44.7 82.9



#27  
1,2-Dichloroethane  
Concen: 48.798 ug/L  
RT: 5.789 min Scan# 1399  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 62 Resp: 115317  
Ion Ratio Lower Upper  
62 100  
98 9.1 7.5 11.3





#29

Cyclohexane

Concen: 45.759 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050105

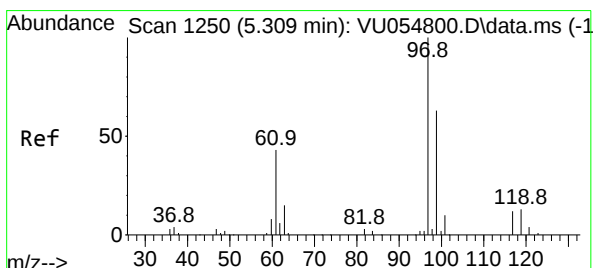
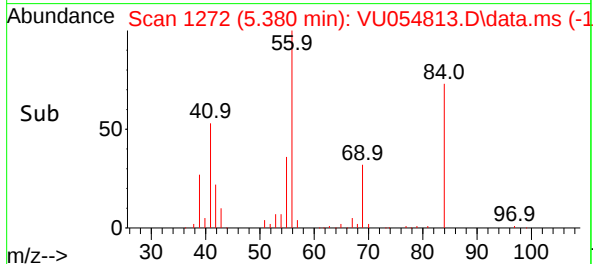
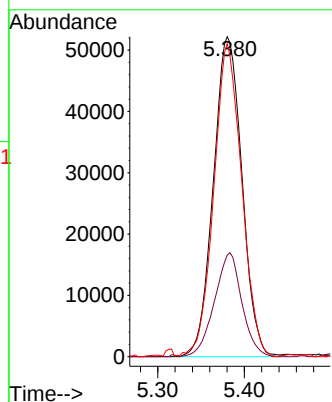
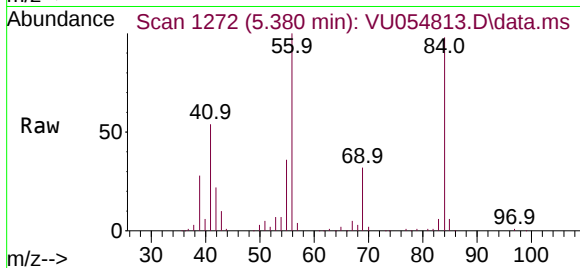
Tgt Ion: 56 Resp: 119608

Ion Ratio Lower Upper

56 100

69 31.2 25.8 38.8

84 95.2 75.9 113.9



#30

1,1,1-Trichloroethane

Concen: 48.393 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

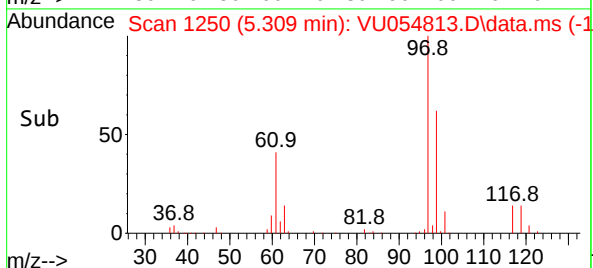
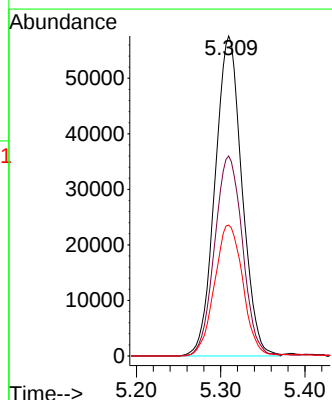
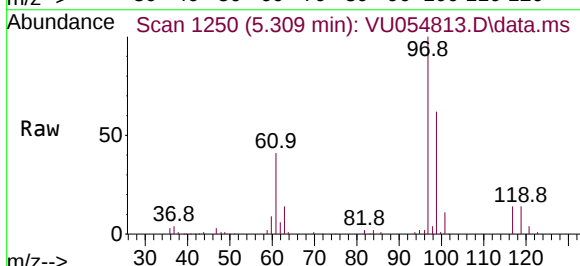
Tgt Ion: 97 Resp: 127666

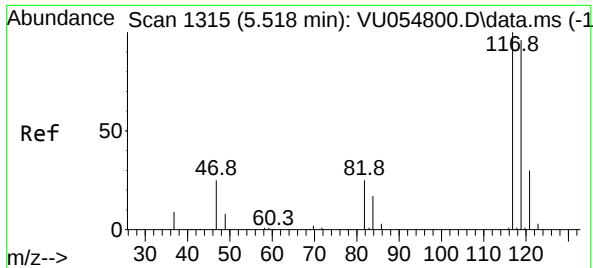
Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

61 43.0 34.3 51.5

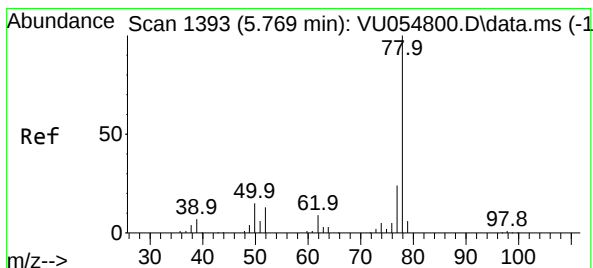
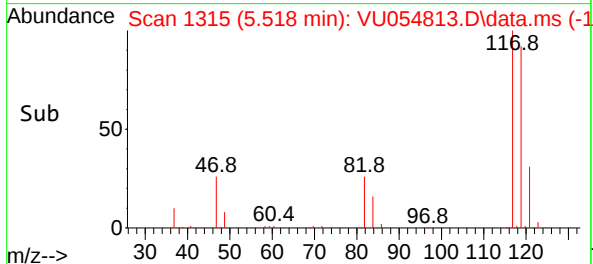
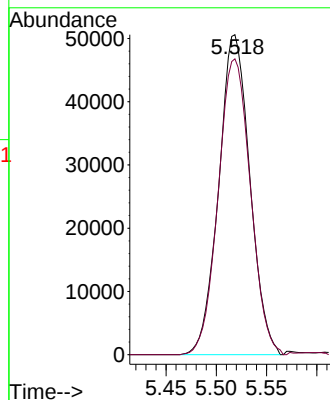
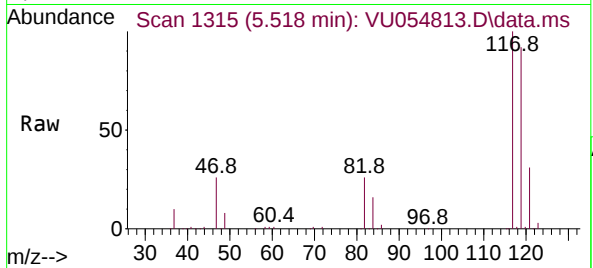




#31  
Carbon tetrachloride  
Concen: 47.804 ug/L  
RT: 5.518 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

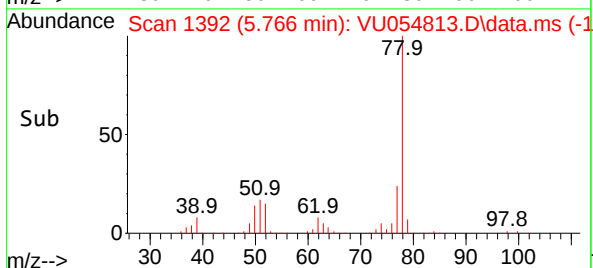
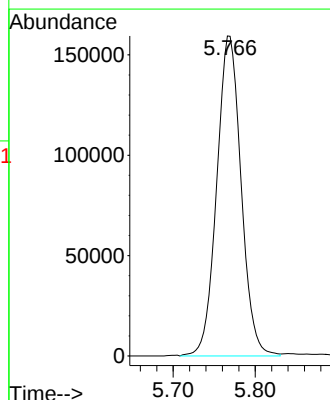
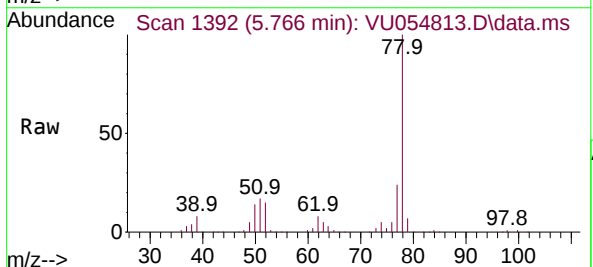
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

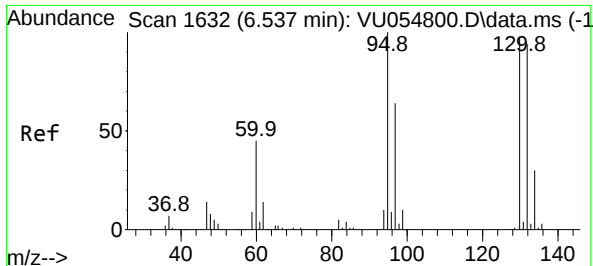
Tgt Ion:117 Resp: 108907  
Ion Ratio Lower Upper  
117 100  
119 95.8 77.4 116.2



#33  
Benzene  
Concen: 48.376 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 78 Resp: 329477

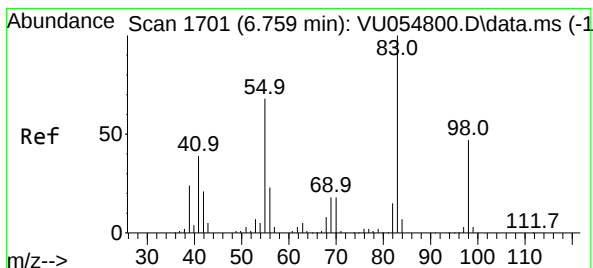
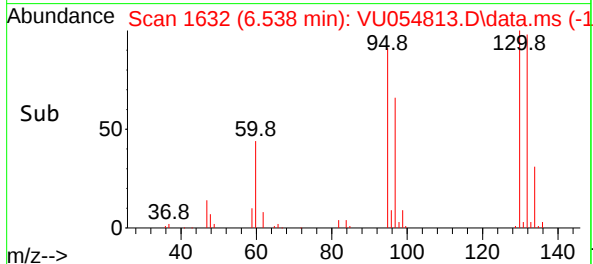
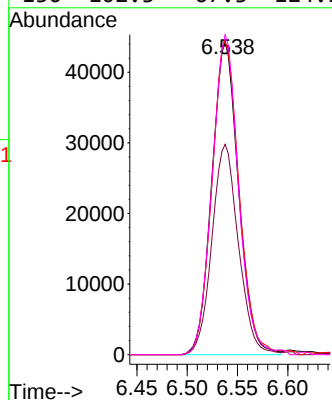
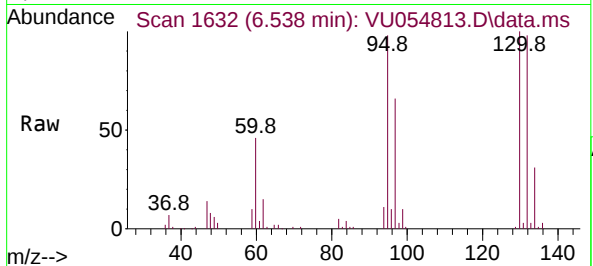




#34  
Trichloroethene  
Concen: 47.240 ug/L  
RT: 6.538 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

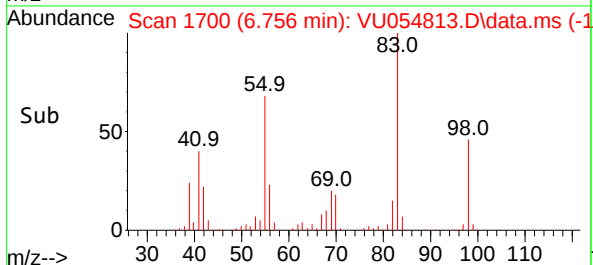
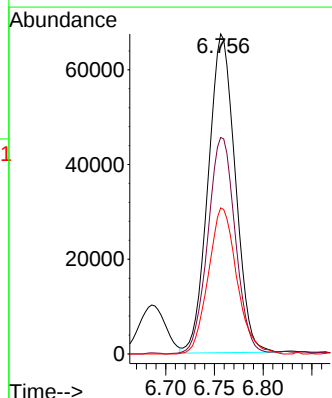
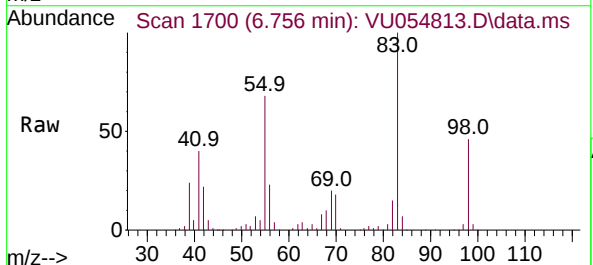
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

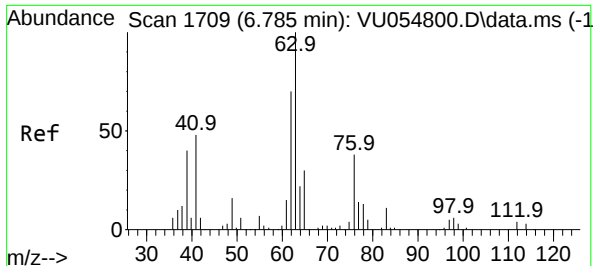
Tgt Ion: 95 Resp: 81898  
Ion Ratio Lower Upper  
95 100  
97 67.3 44.0 81.8  
132 100.5 67.9 126.1  
130 102.3 67.3 124.9



#35  
Methylcyclohexane  
Concen: 45.981 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 83 Resp: 130277  
Ion Ratio Lower Upper  
83 100  
55 69.0 55.8 83.8  
98 48.3 38.6 58.0





#37

1,2-Dichloropropane

Concen: 48.191 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

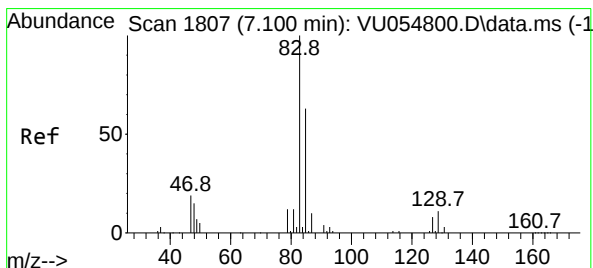
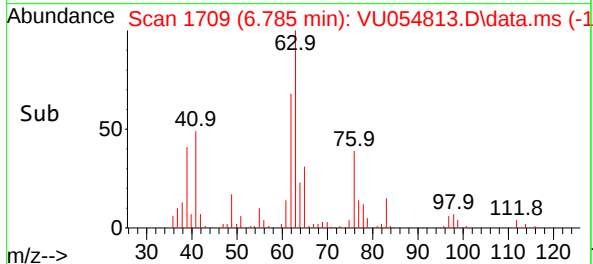
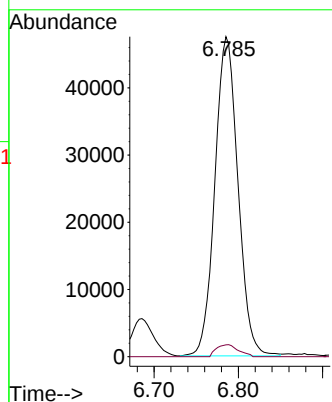
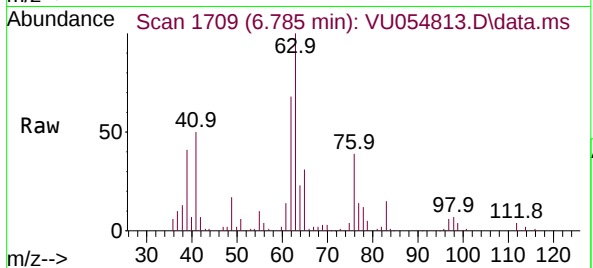
VSTD050105

Tgt Ion: 63 Resp: 90268

Ion Ratio Lower Upper

63 100

112 3.6 3.1 4.7



#38

Bromodichloromethane

Concen: 48.754 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

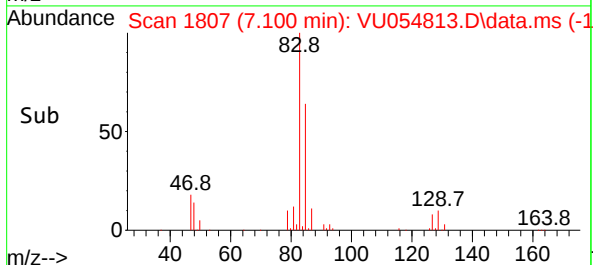
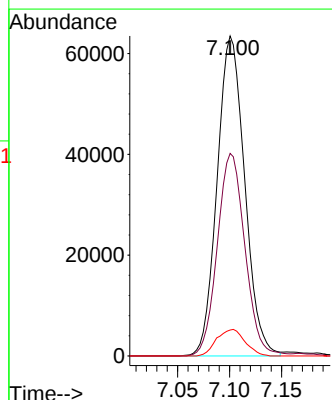
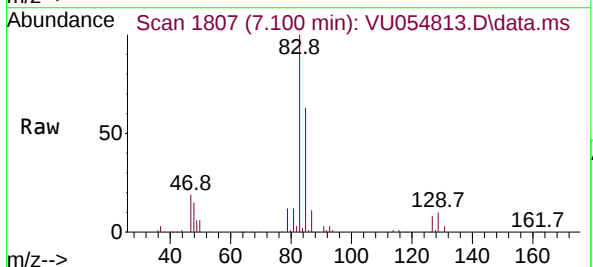
Tgt Ion: 83 Resp: 117163

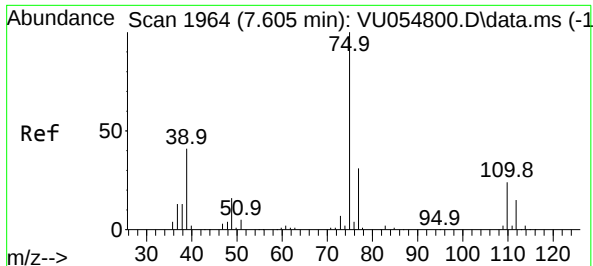
Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.3

127 8.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 47.059 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

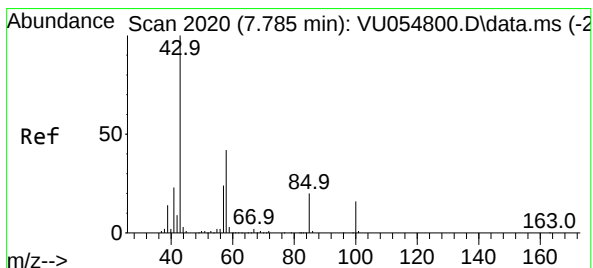
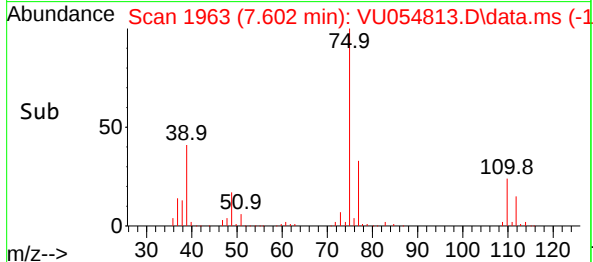
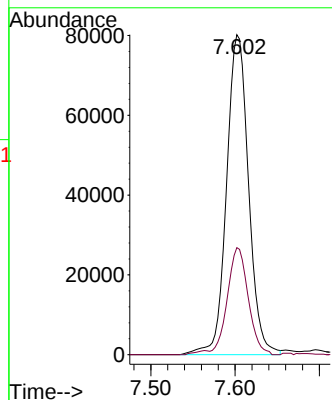
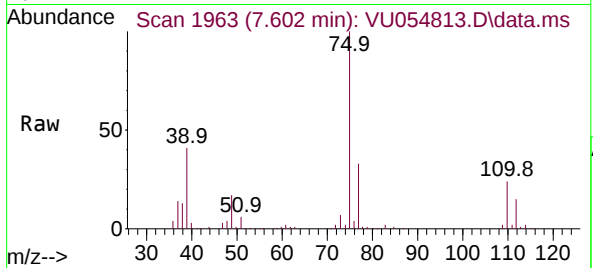
VSTD050105

Tgt Ion: 75 Resp: 145380

Ion Ratio Lower Upper

75 100

77 34.7 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 95.900 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

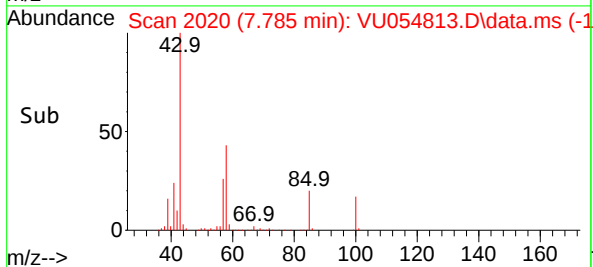
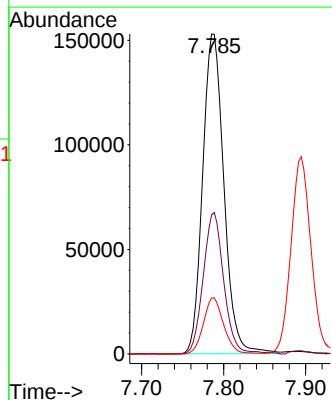
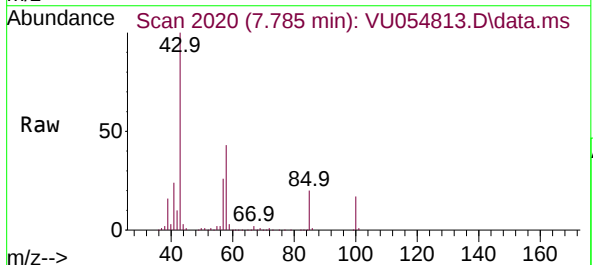
Tgt Ion: 43 Resp: 275054

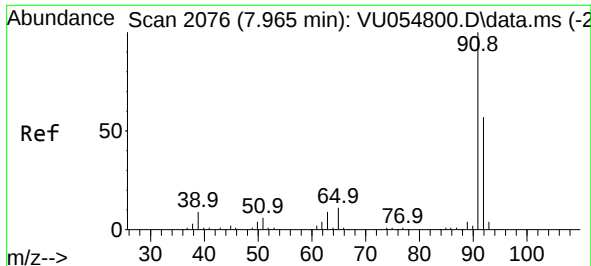
Ion Ratio Lower Upper

43 100

58 42.3 33.7 50.5

100 16.8 13.0 19.4





#42

Toluene

Concen: 48.507 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

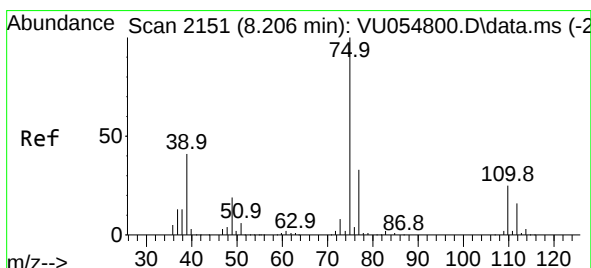
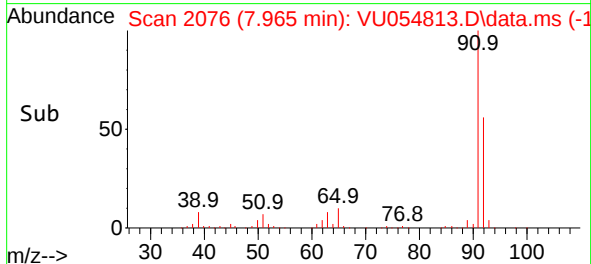
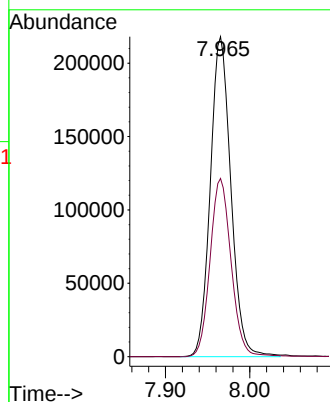
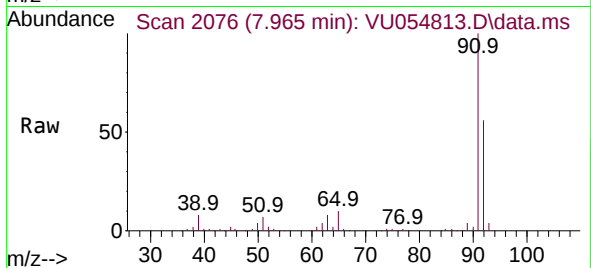
VSTD050105

Tgt Ion: 91 Resp: 369680

Ion Ratio Lower Upper

91 100

92 55.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 47.189 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054813.D

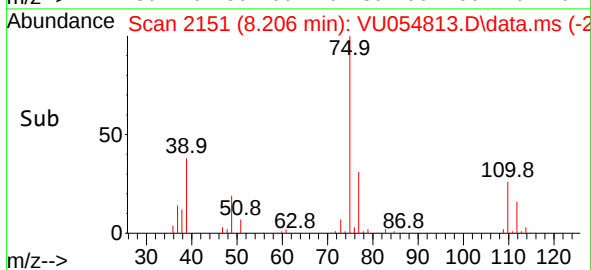
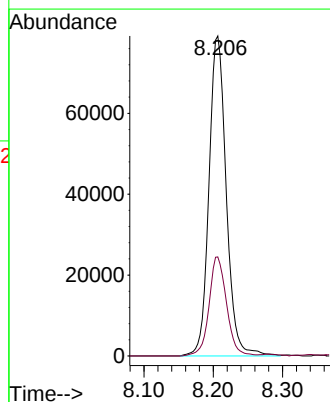
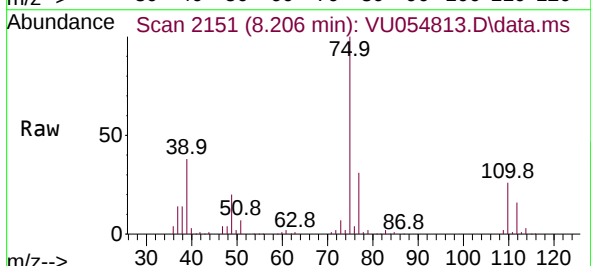
Acq: 18 Jul 2023 17:37

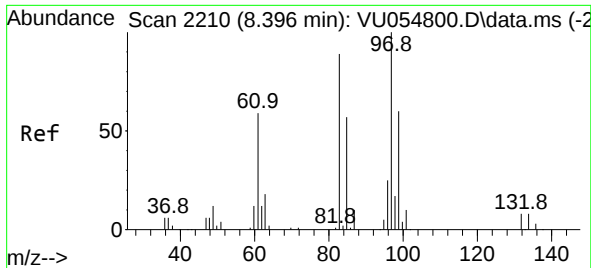
Tgt Ion: 75 Resp: 136967

Ion Ratio Lower Upper

75 100

77 30.9 22.7 42.1

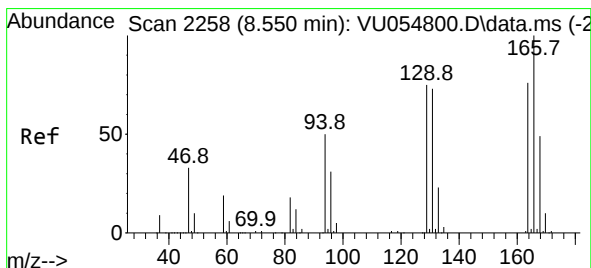
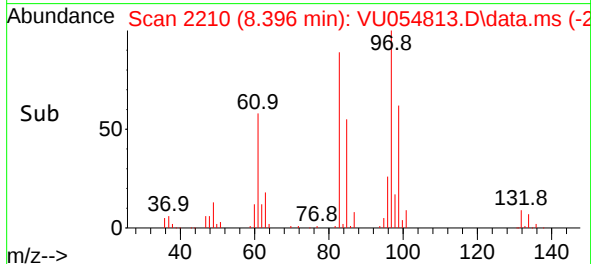
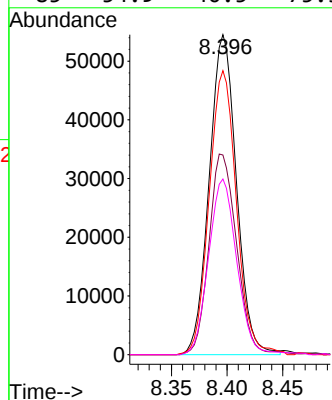
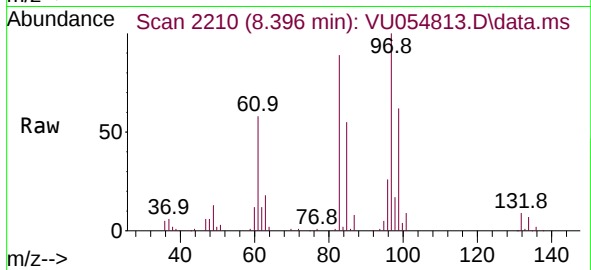




#45  
1,1,2-Trichloroethane  
Concen: 48.576 ug/L  
RT: 8.396 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

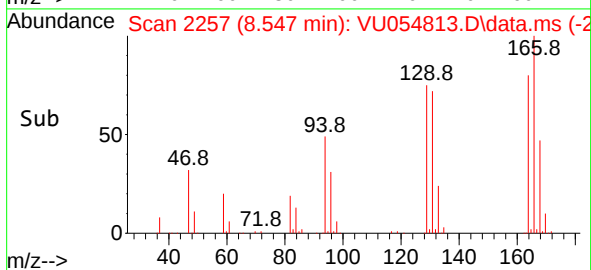
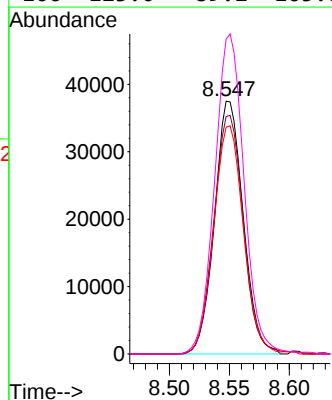
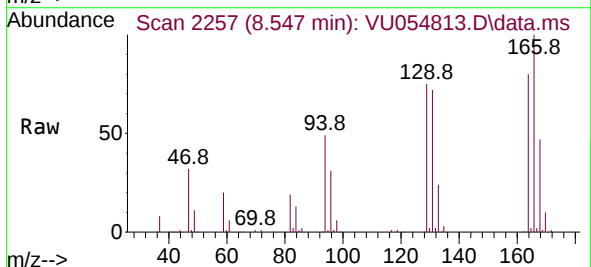
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

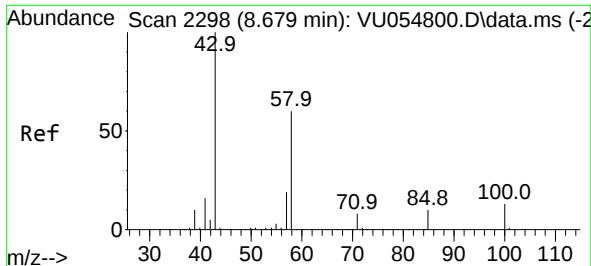
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 92767 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.4  | 43.3  | 80.5  |
| 83       | 88.8  | 60.6  | 112.6 |
| 85       | 54.9  | 40.5  | 75.3  |



#46  
Tetrachloroethene  
Concen: 46.920 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 62363 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 91.1  | 66.2  | 123.0 |
| 131      | 87.0  | 61.9  | 115.1 |
| 166      | 123.0 | 89.2  | 165.8 |



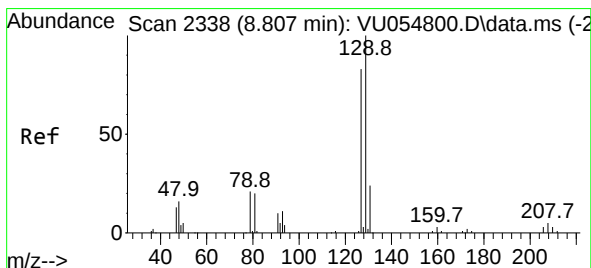
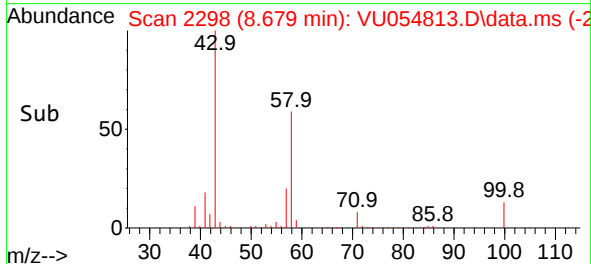
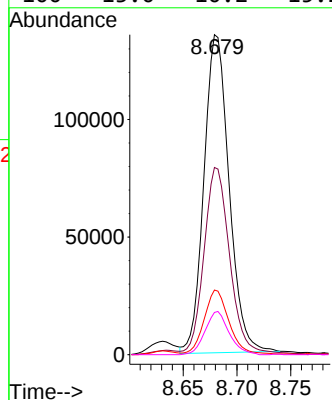
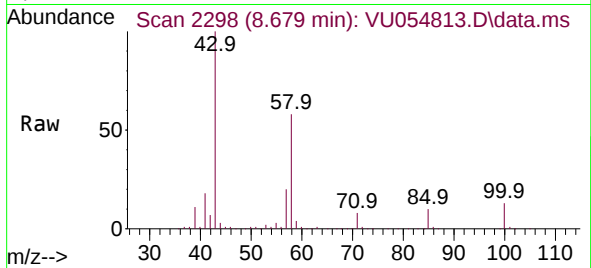


#48  
2-Hexanone  
Concen: 92.670 ug/L  
RT: 8.679 min Scan# 2298  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

Tgt Ion: 43 Resp: 220191

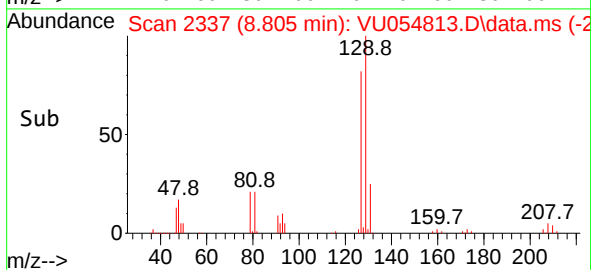
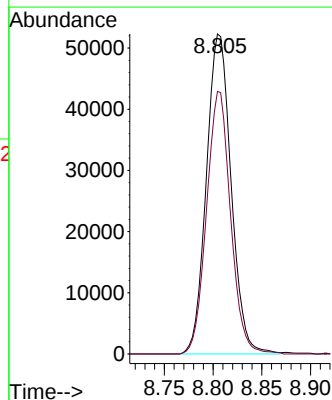
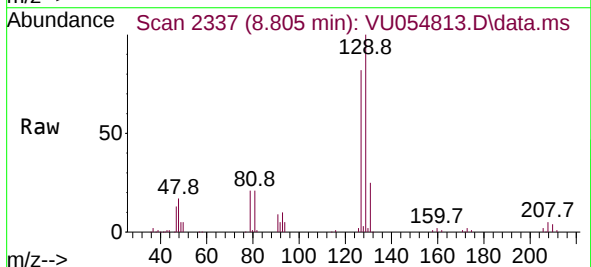
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 60.7  | 46.5  | 69.7  |
| 57  | 19.8  | 15.4  | 23.2  |
| 100 | 13.0  | 10.2  | 15.2  |

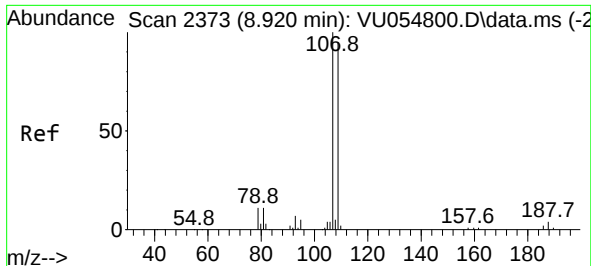


#49  
Dibromochloromethane  
Concen: 47.054 ug/L  
RT: 8.805 min Scan# 2337  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 129 Resp: 92557

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 82.1  | 54.4  | 101.0 |





#50

1,2-Dibromoethane

Concen: 48.663 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050105

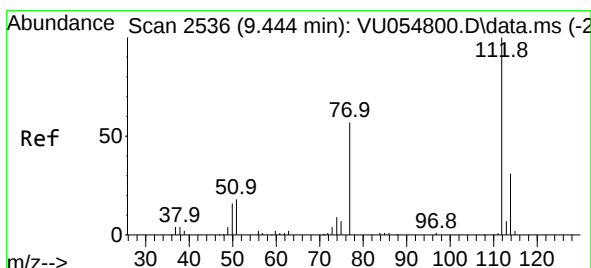
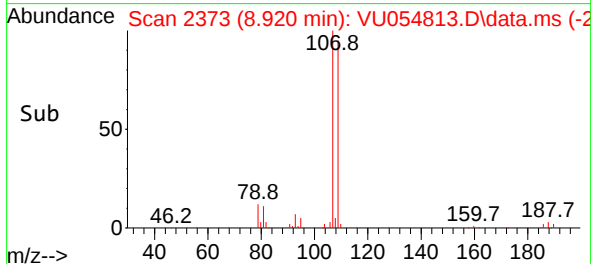
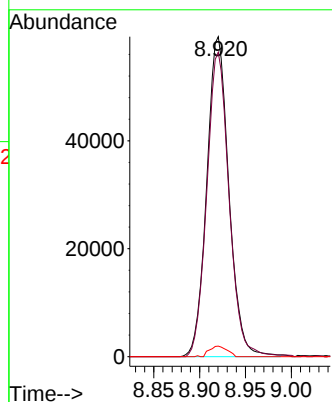
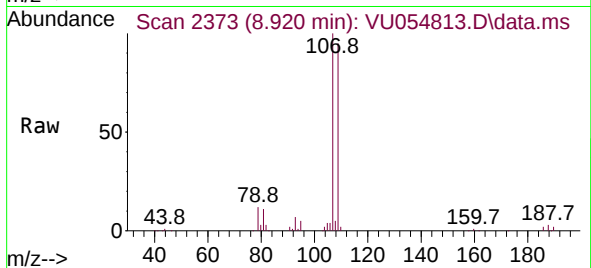
Tgt Ion:107 Resp: 100031

Ion Ratio Lower Upper

107 100

109 95.2 62.5 116.1

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 48.503 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

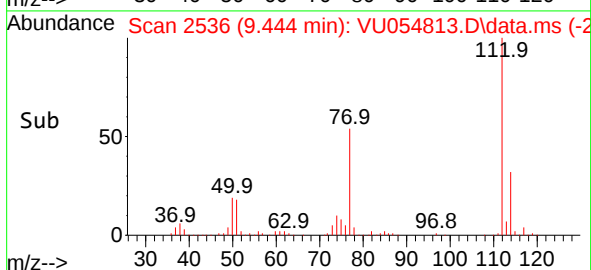
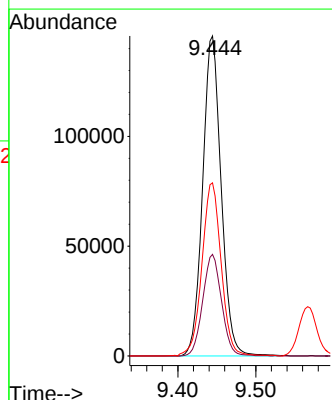
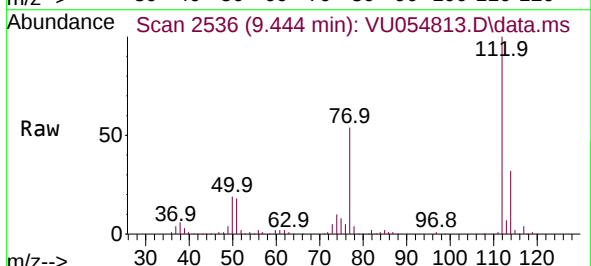
Tgt Ion:112 Resp: 240485

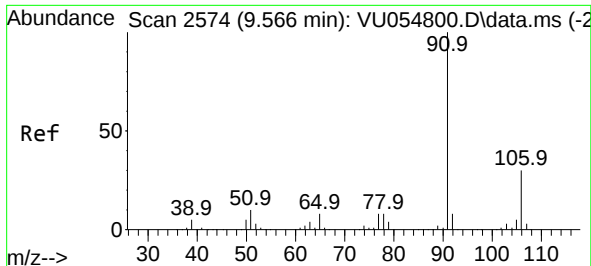
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 54.1 44.2 66.4

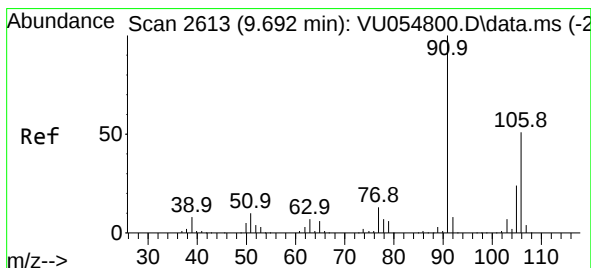
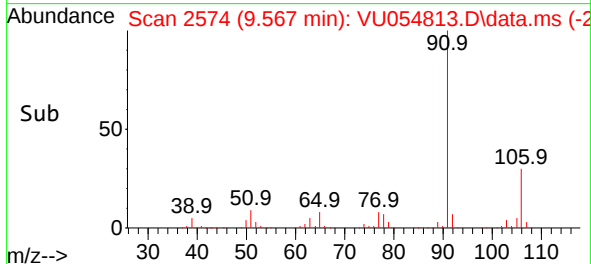
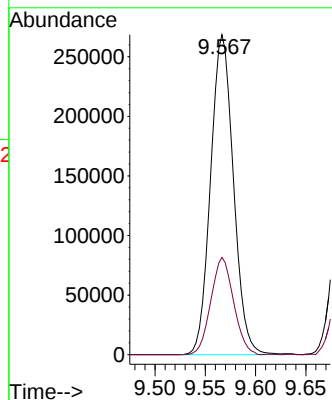
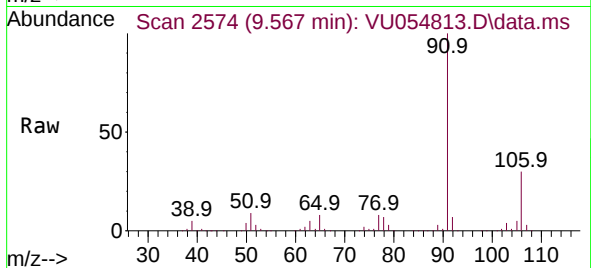




#52  
Ethylbenzene  
Concen: 48.209 ug/L  
RT: 9.567 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

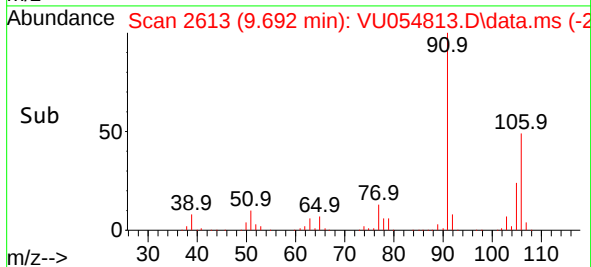
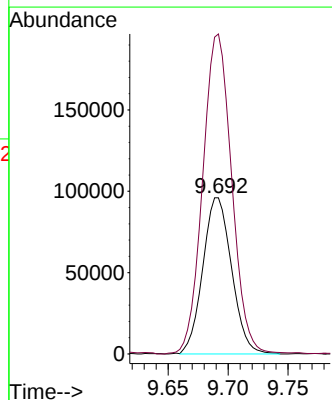
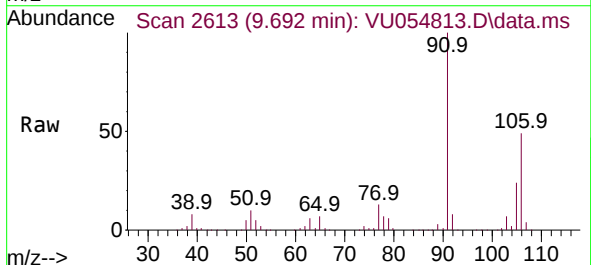
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

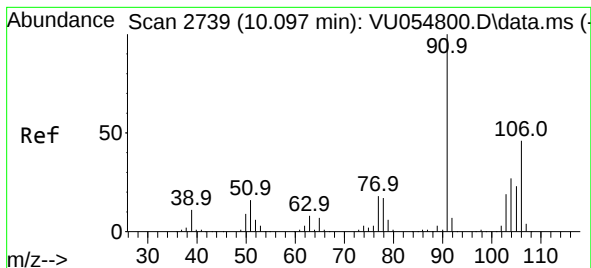
Tgt Ion: 91 Resp: 424779  
Ion Ratio Lower Upper  
91 100  
106 30.4 23.5 43.7



#53  
m,p-Xylene  
Concen: 47.862 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion:106 Resp: 160566  
Ion Ratio Lower Upper  
106 100  
91 188.8 133.3 247.7





#54

o-Xylene

Concen: 47.696 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

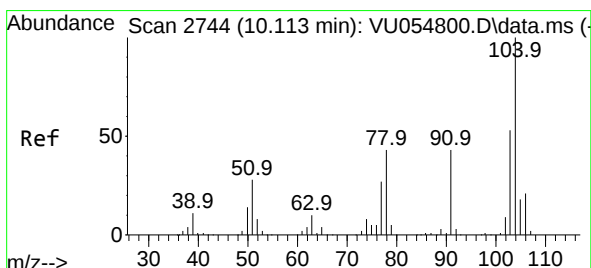
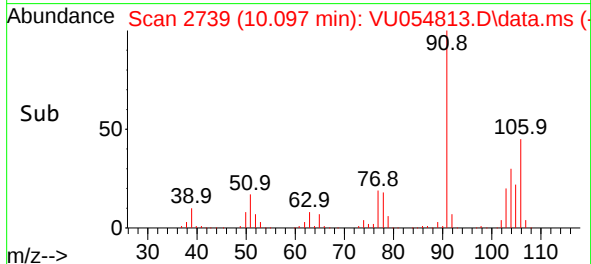
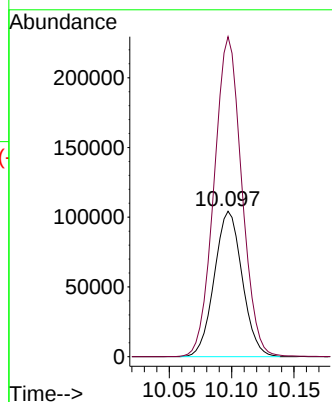
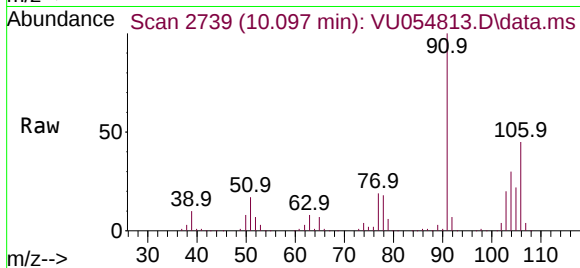
VSTD050105

Tgt Ion:106 Resp: 162550

Ion Ratio Lower Upper

106 100

91 201.3 142.0 263.8



#55

Styrene

Concen: 47.190 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU054813.D

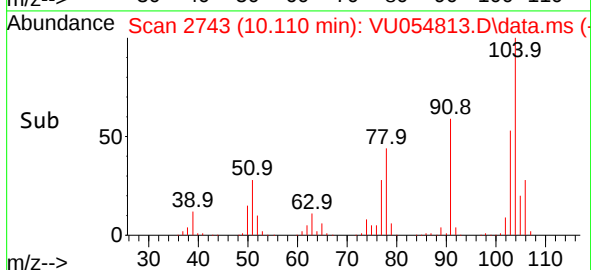
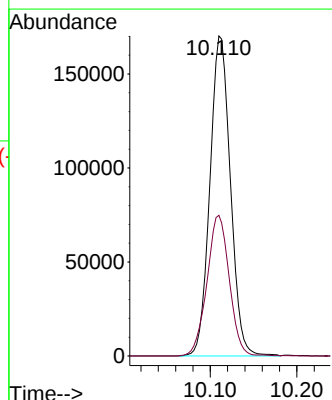
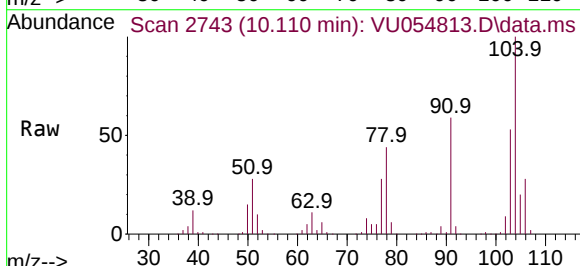
Acq: 18 Jul 2023 17:37

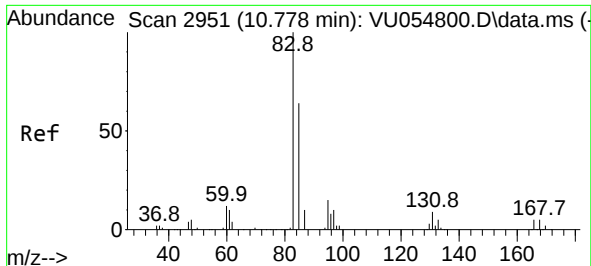
Tgt Ion:104 Resp: 280100

Ion Ratio Lower Upper

104 100

78 44.0 30.7 57.1

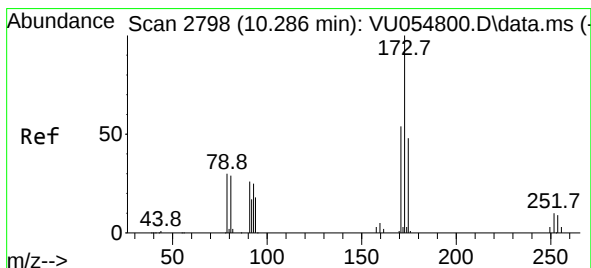
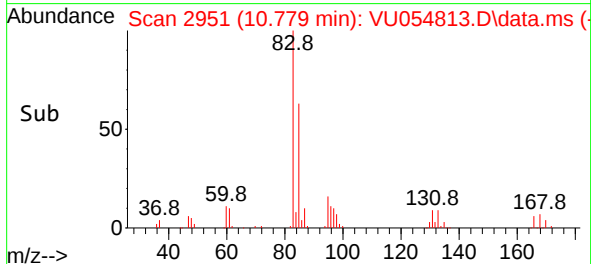
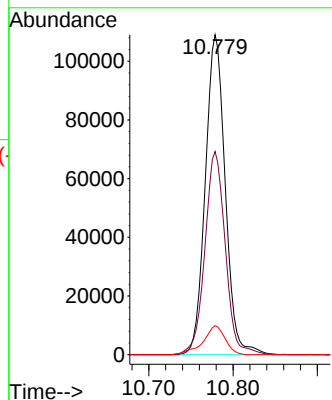
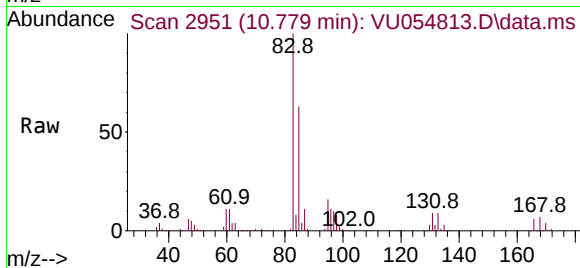




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 47.646 ug/L  
 RT: 10.779 min Scan# 2951  
 Delta R.T. 0.000 min  
 Lab File: VU054813.D  
 Acq: 18 Jul 2023 17:37

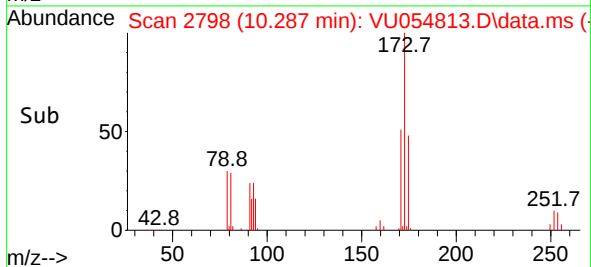
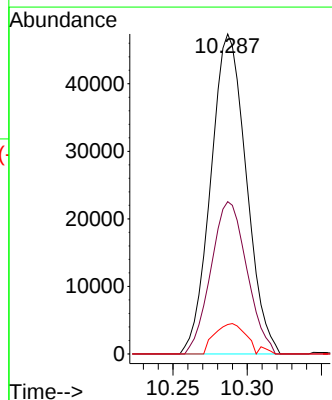
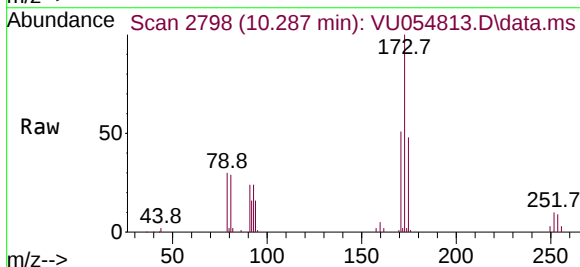
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050105

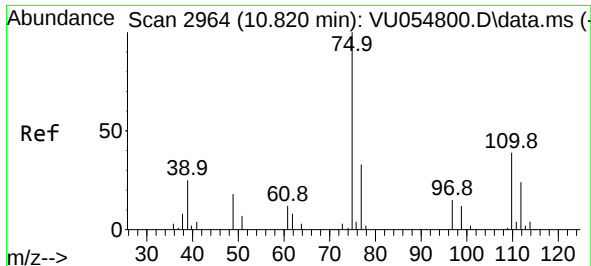
Tgt Ion: 83 Resp: 179644  
 Ion Ratio Lower Upper  
 83 100  
 85 63.5 43.8 81.4  
 131 11.7 8.7 13.1



#59  
 Bromoform  
 Concen: 47.319 ug/L  
 RT: 10.287 min Scan# 2798  
 Delta R.T. 0.000 min  
 Lab File: VU054813.D  
 Acq: 18 Jul 2023 17:37

Tgt Ion: 173 Resp: 78560  
 Ion Ratio Lower Upper  
 173 100  
 175 48.3 38.8 58.2  
 254 8.2 2.4 3.6#

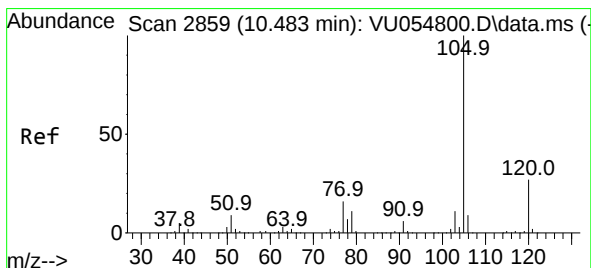
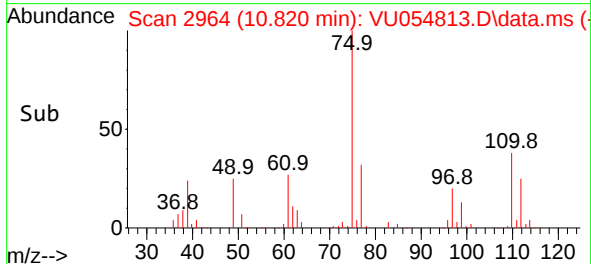
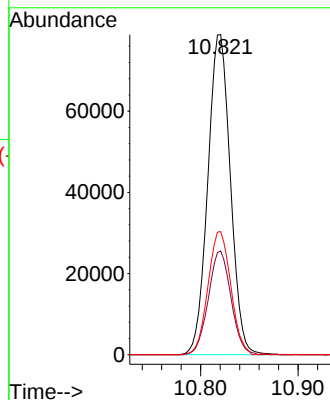
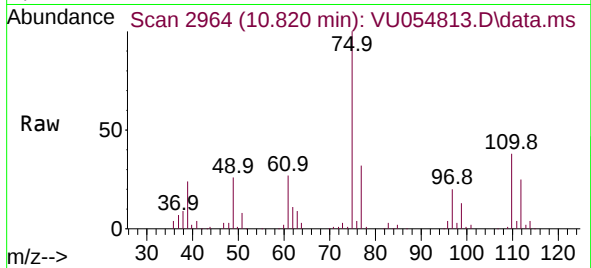




#60  
1,2,3-Trichloropropane  
Concen: 49.056 ug/L  
RT: 10.820 min Scan# 2964  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

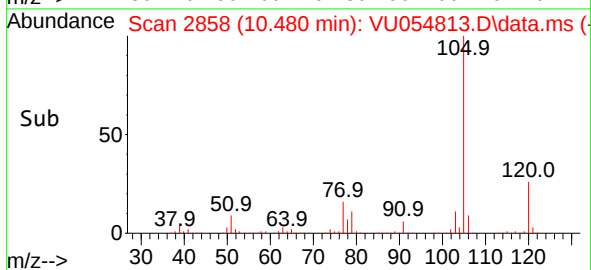
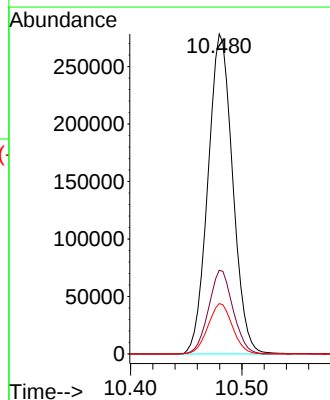
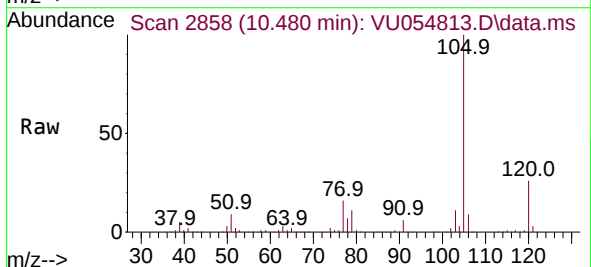
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

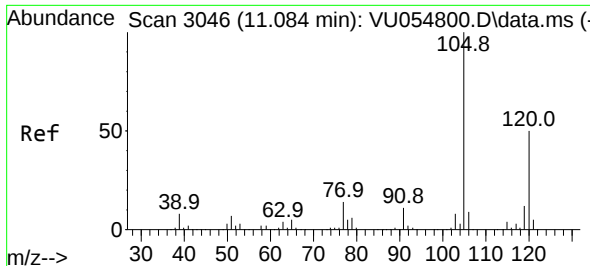
Tgt Ion: 75 Resp: 127051  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.2 39.4  
110 38.8 29.9 44.9



#61  
Isopropylbenzene  
Concen: 49.015 ug/L  
RT: 10.480 min Scan# 2858  
Delta R.T. -0.003 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion: 105 Resp: 429853  
Ion Ratio Lower Upper  
105 100  
120 25.8 21.4 32.0  
77 15.4 12.8 19.2

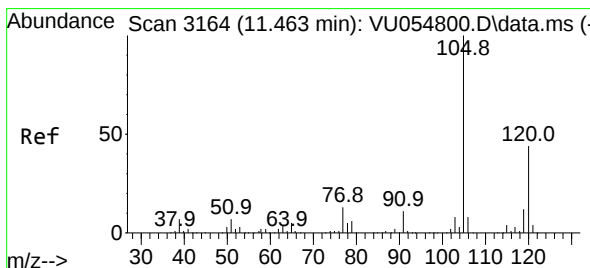
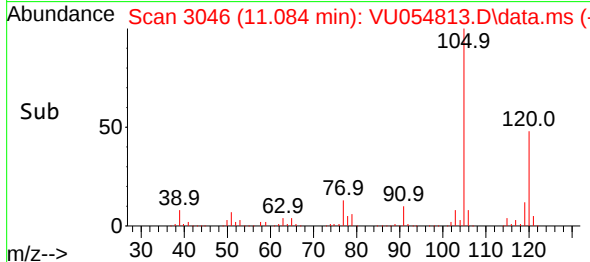
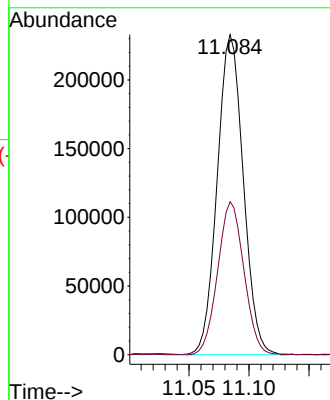
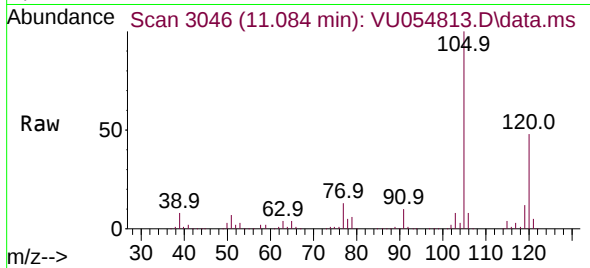




#62  
1,3,5-Trimethylbenzene  
Concen: 48.681 ug/L  
RT: 11.084 min Scan# 3046  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

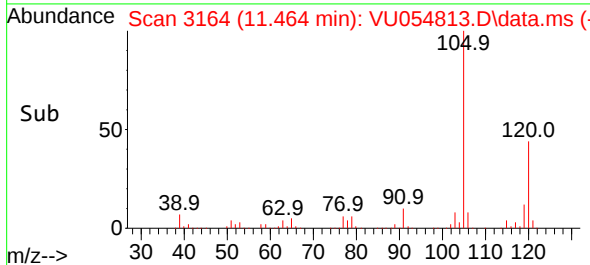
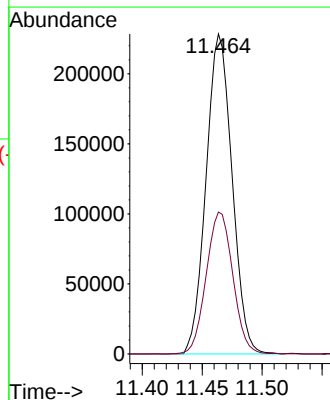
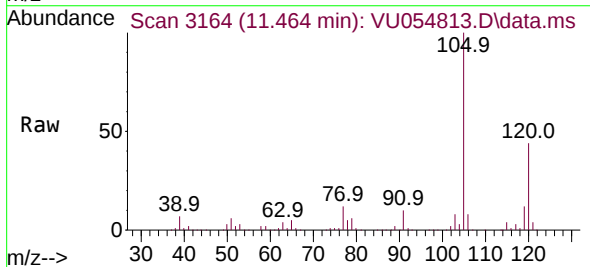
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

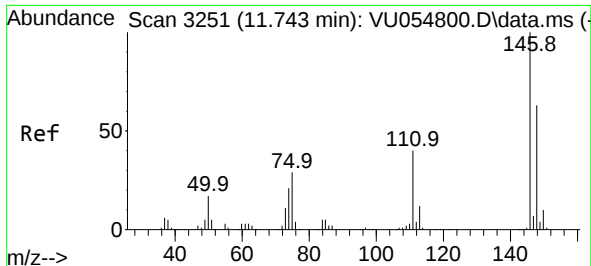
Tgt Ion:105 Resp: 351594  
Ion Ratio Lower Upper  
105 100  
120 48.1 38.0 57.0



#63  
1,2,4-Trimethylbenzene  
Concen: 48.132 ug/L  
RT: 11.464 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion:105 Resp: 344574  
Ion Ratio Lower Upper  
105 100  
120 45.4 36.2 54.2

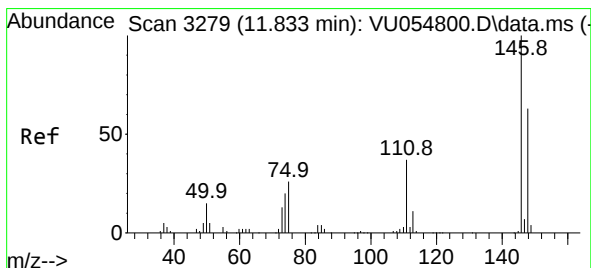
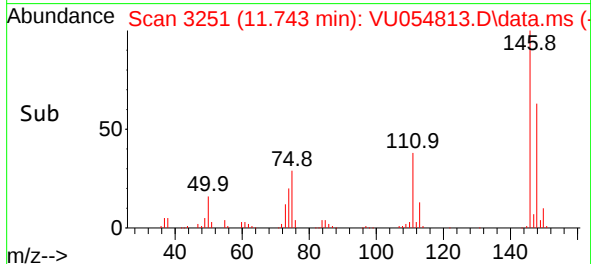
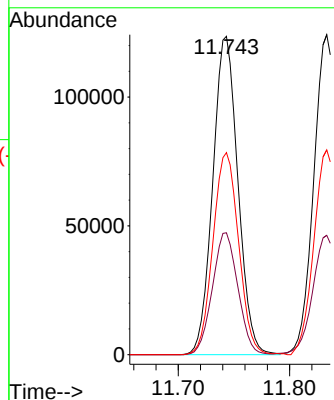
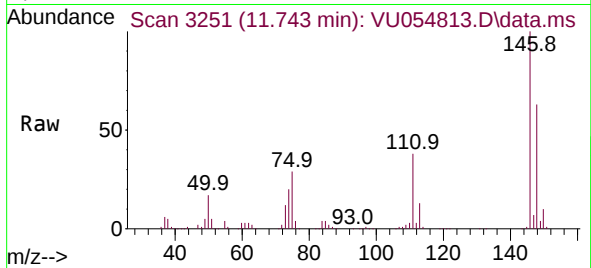




#64  
1,3-Dichlorobenzene  
Concen: 47.701 ug/L  
RT: 11.743 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

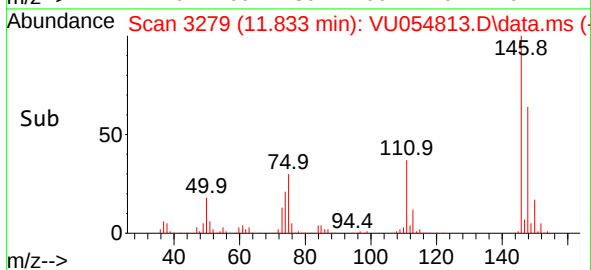
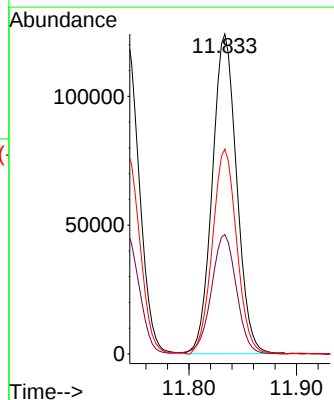
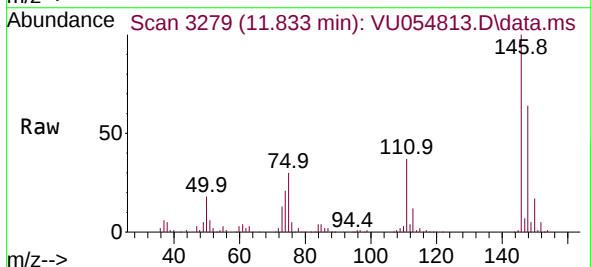
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050105

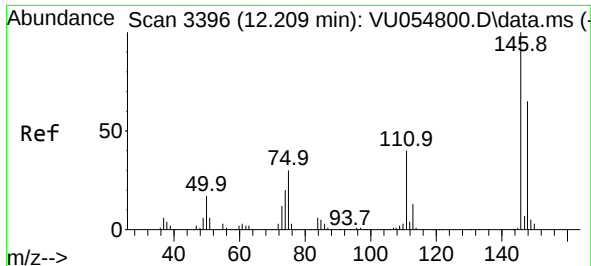
Tgt Ion:146 Resp: 194013  
Ion Ratio Lower Upper  
146 100  
111 38.3 25.2 46.8  
148 63.5 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 47.714 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.000 min  
Lab File: VU054813.D  
Acq: 18 Jul 2023 17:37

Tgt Ion:146 Resp: 195465  
Ion Ratio Lower Upper  
146 100  
111 37.3 24.1 44.8  
148 68.6 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 48.639 ug/L

RT: 12.210 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050105

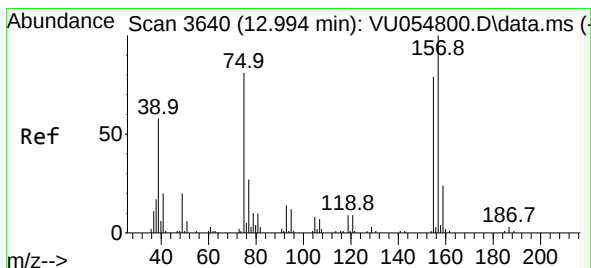
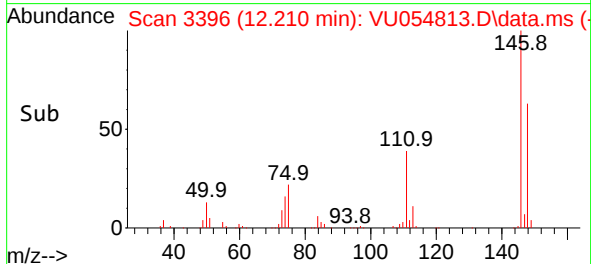
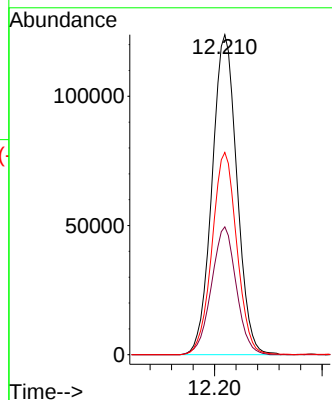
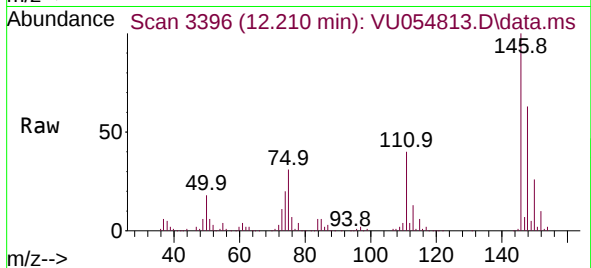
Tgt Ion:146 Resp: 198728

Ion Ratio Lower Upper

146 100

111 40.0 31.5 47.3

148 63.2 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 49.001 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

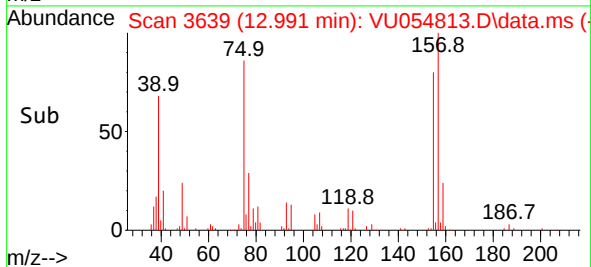
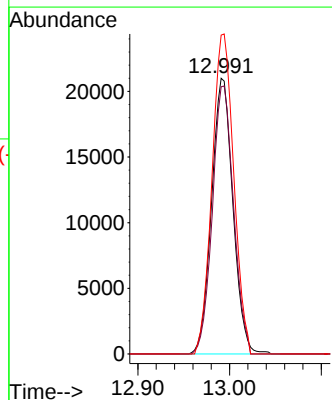
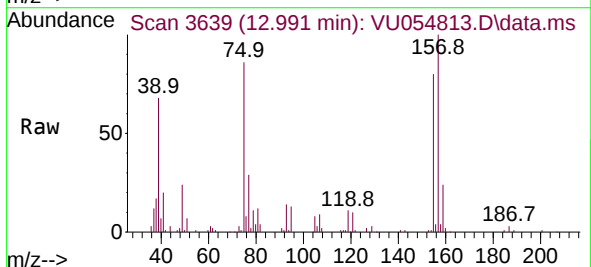
Tgt Ion: 75 Resp: 33919

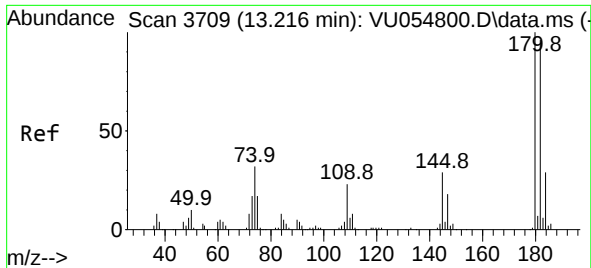
Ion Ratio Lower Upper

75 100

155 88.7 80.6 121.0

157 110.3 106.5 159.7

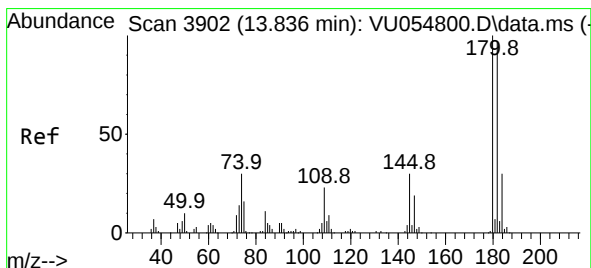
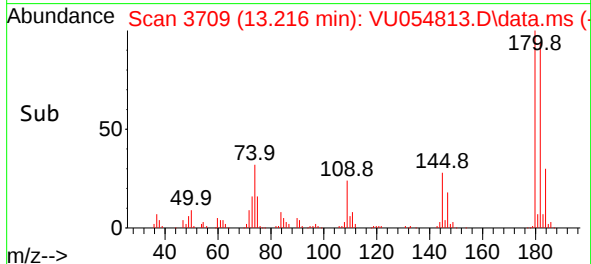
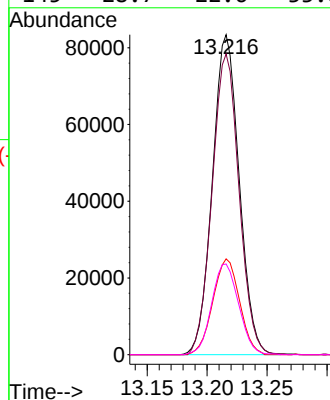
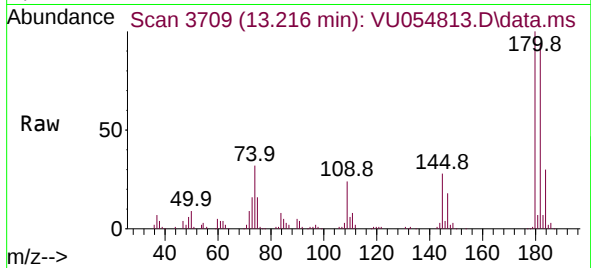




#69  
 1,3,5-Trichlorobenzene  
 Concen: 47.450 ug/L  
 RT: 13.216 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU054813.D  
 Acq: 18 Jul 2023 17:37

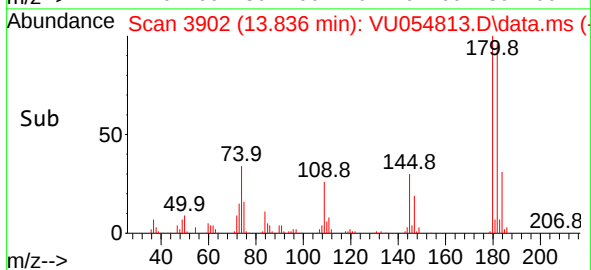
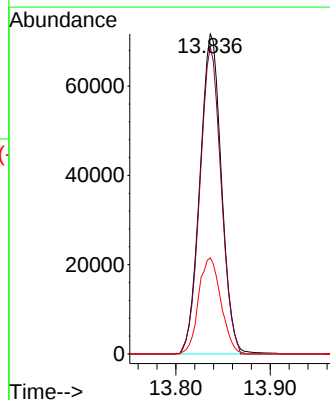
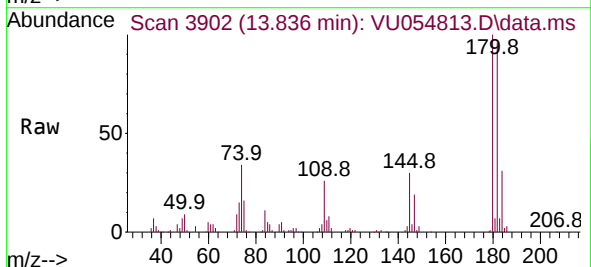
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050105

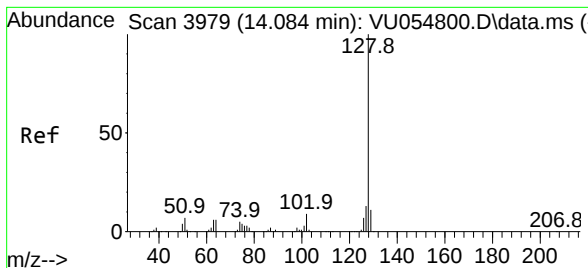
Tgt Ion:180 Resp: 129370  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 76.7 115.1  
 184 29.9 23.4 35.0  
 145 28.7 22.6 33.8



#70  
 1,2,4-trichlorobenzene  
 Concen: 48.179 ug/L  
 RT: 13.836 min Scan# 3902  
 Delta R.T. 0.000 min  
 Lab File: VU054813.D  
 Acq: 18 Jul 2023 17:37

Tgt Ion:180 Resp: 113404  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 76.8 115.2  
 145 31.1 23.0 34.6





#71

Naphthalene

Concen: 50.296 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050105

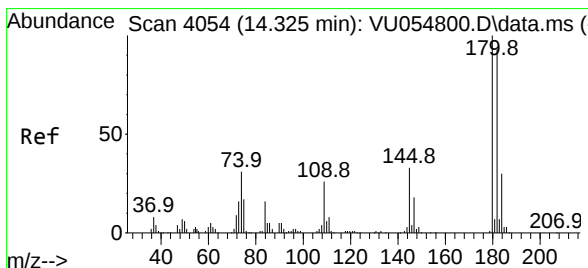
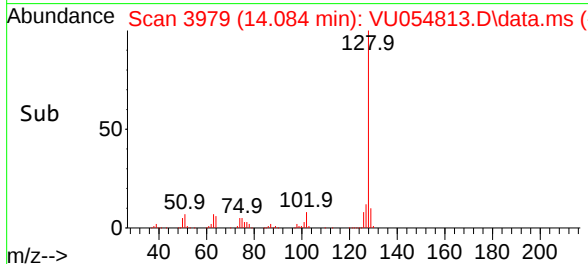
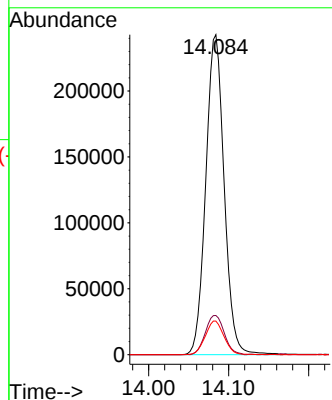
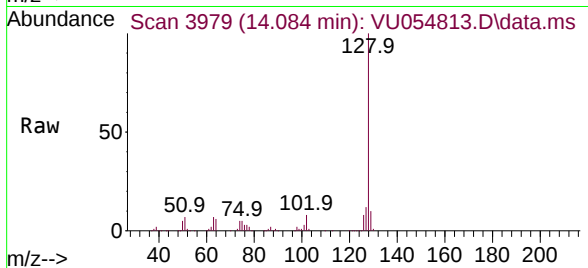
Tgt Ion:128 Resp: 388564

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.450 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054813.D

Acq: 18 Jul 2023 17:37

Tgt Ion:180 Resp: 111053

Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

145 30.9 25.4 38.2

