

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021423\  
 Data File : VU053095.D  
 Acq On : 14 Feb 2023 13:31  
 Operator : JC/MD  
 Sample : VSTD10002  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100002

Quant Time: Feb 15 00:33:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM021423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Feb 15 00:30:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.244  | 114  | 251867   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.411  | 117  | 235594   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 123409   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.598  | 65   | 242350   | 103.692 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.913  | 69   | 206252   | 107.858 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.566  | 63   | 417982   | 113.775 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.624  | 46   | 263632   | 272.545 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.058  | 84   | 433886   | 110.417 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.694  | 65   | 270972   | 113.724 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.723  | 84   | 881065   | 110.702 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67   | 289444   | 116.064 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 816061   | 106.185 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 149091   | 111.439 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.630  | 63   | 205109   | 263.597 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.752 | 84   | 386594   | 113.781 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152  | 286590   | 104.319 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 268964   | 127.467 | ug/L  | 99       |
| 3) Chloromethane              | 1.518  | 50   | 250700   | 127.368 | ug/L  | 97       |
| 5) Vinyl chloride             | 1.605  | 62   | 277174   | 117.580 | ug/L  | 99       |
| 6) Bromomethane               | 1.859  | 94   | 176702   | 111.420 | ug/L  | 99       |
| 8) Chloroethane               | 1.933  | 64   | 167881   | 116.608 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.135  | 101  | 358953   | 103.373 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579  | 101  | 201261   | 112.846 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.579  | 96   | 190102   | 112.102 | ug/L  | 96       |
| 13) Acetone                   | 2.640  | 43   | 160100   | 196.646 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.791  | 76   | 608873   | 118.755 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.949  | 43   | 172282   | 133.474 | ug/L  | 98       |
| 16) Methylene chloride        | 3.042  | 84   | 212600   | 104.338 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.351  | 96   | 192817   | 107.113 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 3.357  | 73   | 658205   | 115.573 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.865  | 63   | 380350   | 119.545 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.659  | 96   | 223150   | 109.901 | ug/L  | 100      |
| 22) 2-Butanone                | 4.704  | 43   | 243347   | 241.063 | ug/L  | 100      |
| 23) Bromochloromethane        | 4.968  | 128  | 107207   | 99.429  | ug/L  | 98       |
| 25) Chloroform                | 5.084  | 83   | 386462   | 111.191 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 300595   | 118.590 | ug/L  | 100      |
| 29) Cyclohexane               | 5.383  | 56   | 356457   | 121.065 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.312  | 97   | 337637   | 109.056 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 288221   | 106.965 | ug/L  | 100      |
| 33) Benzene                   | 5.768  | 78   | 838850   | 112.496 | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 219054   | 109.039 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 382098   | 111.505 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.784  | 63   | 229634   | 119.040 | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 297170   | 109.878 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.601  | 75   | 387839   | 118.378 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 490874   | 258.072 | ug/L  | 100      |
| 42) Toluene                   | 7.965  | 91   | 896789   | 107.775 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 363251   | 115.115 | ug/L  | 100      |

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 Data File : VU053095.D  
 Acq On : 14 Feb 2023 13:31  
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 Sample : VSTD10002  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100002

Quant Time: Feb 15 00:33:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM021423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Feb 15 00:30:58 2023  
 Response via : Initial Calibration

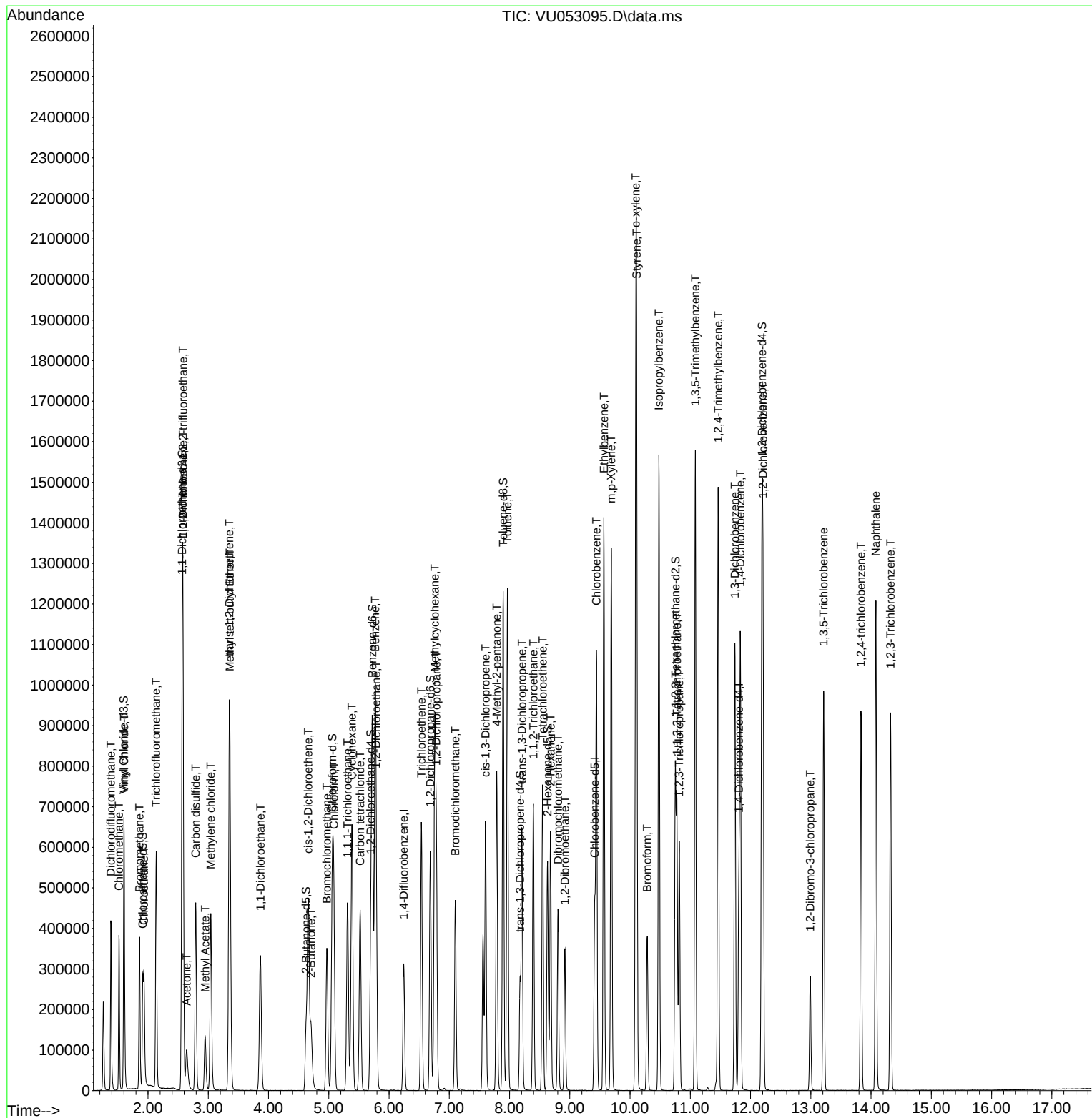
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.395  | 97   | 211533   | 108.949 | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.550  | 164  | 145370   | 94.628  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.682  | 43   | 379390   | 252.960 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.804  | 129  | 222155   | 98.432  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.919  | 107  | 226005   | 107.772 | ug/L  | 98       |
| 51) Chlorobenzene             | 9.440  | 112  | 559014   | 105.098 | ug/L  | 100      |
| 52) Ethylbenzene              | 9.566  | 91   | 1012779  | 110.001 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 380423   | 105.451 | ug/L  | 100      |
| 54) o-xylene                  | 10.096 | 106  | 379053   | 106.343 | ug/L  | 100      |
| 55) Styrene                   | 10.109 | 104  | 641302   | 107.303 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 346338   | 114.334 | ug/L  | 99       |
| 59) Bromoform                 | 10.286 | 173  | 156375   | 97.704  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.816 | 75   | 256593   | 120.326 | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.479 | 105  | 1007594  | 114.241 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.083 | 105  | 847795   | 110.475 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 818409   | 109.929 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.739 | 146  | 418055   | 108.320 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.829 | 146  | 413765   | 106.122 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.205 | 146  | 414172   | 106.235 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 77403    | 119.664 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 276199   | 95.337  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.832 | 180  | 262094   | 100.431 | ug/L  | 99       |
| 71) Naphthalene               | 14.080 | 128  | 914065   | 114.068 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.324 | 180  | 256645   | 100.247 | ug/L  | 99       |

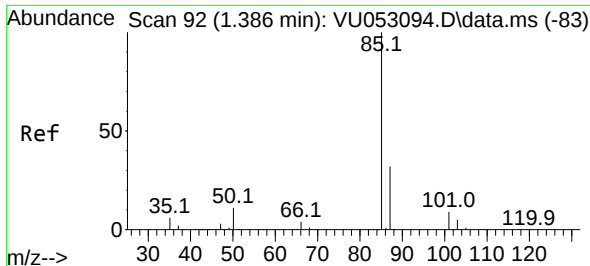
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU053095.D  
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Sample : VSTD10002  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

Quant Time: Feb 15 00:33:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM021423WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Feb 15 00:30:58 2023  
Response via : Initial Calibration

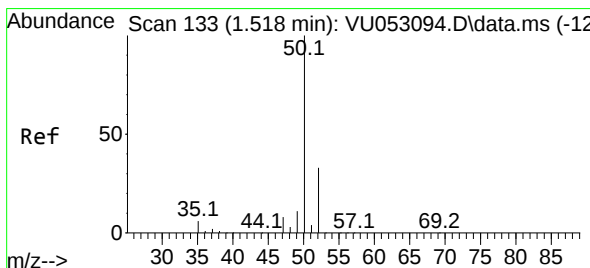
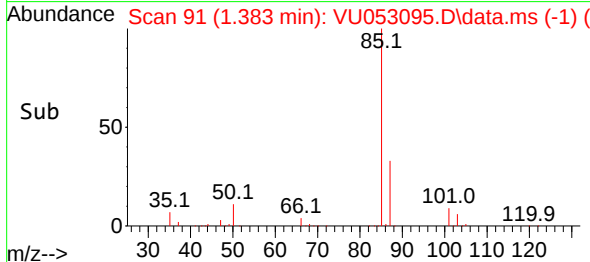
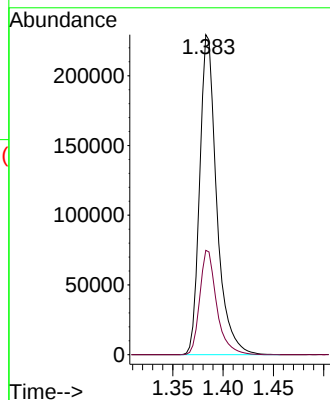
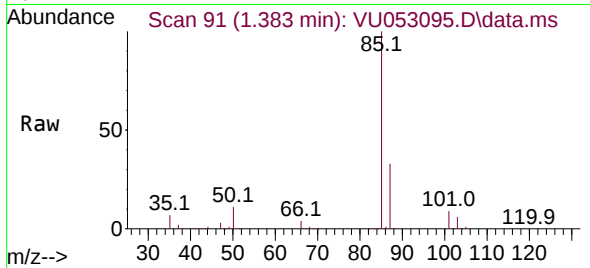




#2  
 Dichlorodifluoromethane  
 Concen: 127.467 ug/L  
 RT: 1.383 min Scan# 91  
 Delta R.T. -0.003 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31

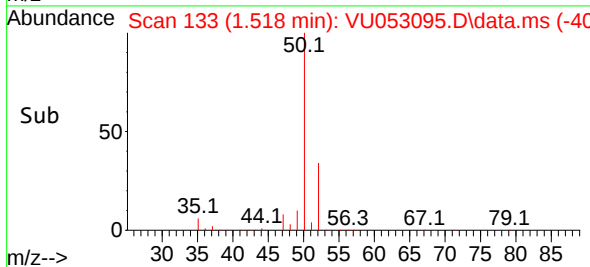
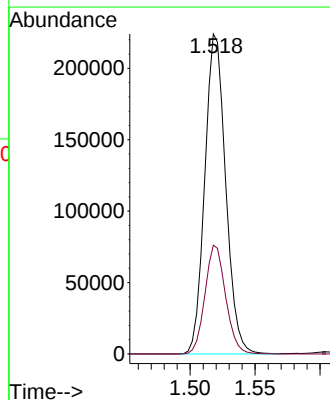
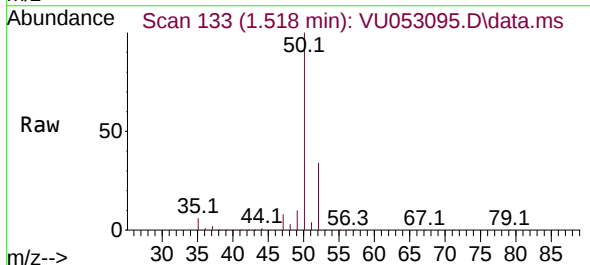
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100002

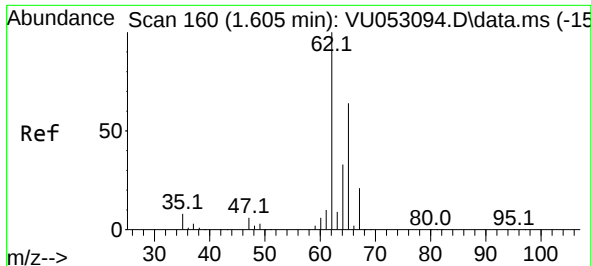
Tgt Ion: 85 Resp: 268964  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 25.6 38.4



#3  
 Chloromethane  
 Concen: 127.368 ug/L  
 RT: 1.518 min Scan# 133  
 Delta R.T. 0.000 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31

Tgt Ion: 50 Resp: 250700  
 Ion Ratio Lower Upper  
 50 100  
 52 34.0 22.8 42.4

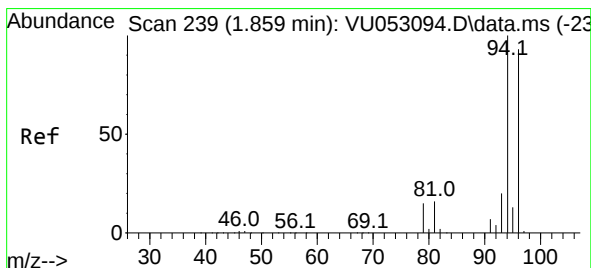
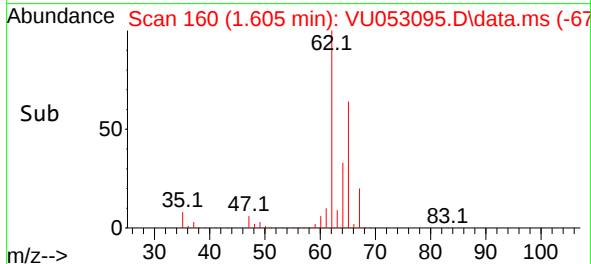
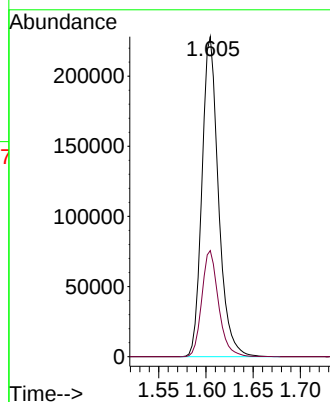
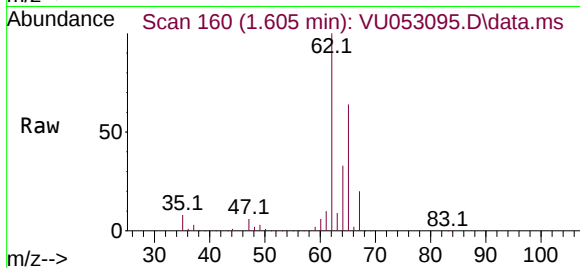




#5  
 Vinyl chloride  
 Concen: 117.580 ug/L  
 RT: 1.605 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31

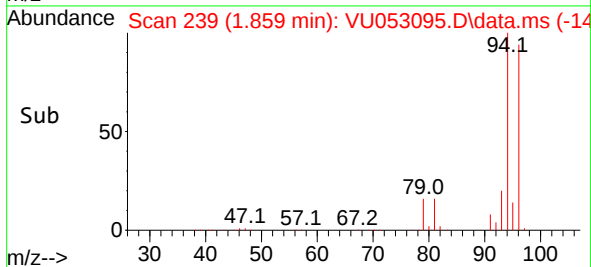
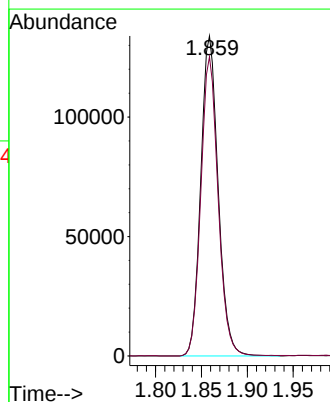
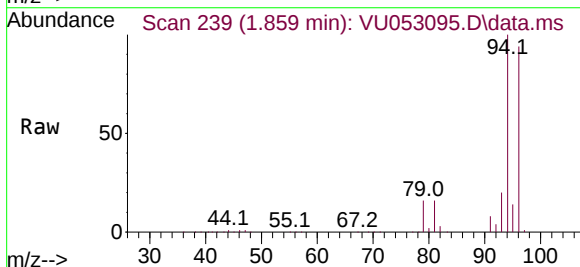
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100002

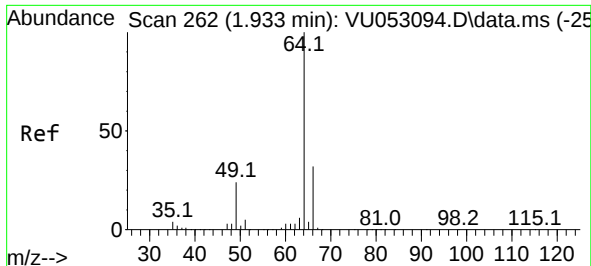
Tgt Ion: 62 Resp: 277174  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 23.4 43.6



#6  
 Bromomethane  
 Concen: 111.420 ug/L  
 RT: 1.859 min Scan# 239  
 Delta R.T. 0.000 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31

Tgt Ion: 94 Resp: 176702  
 Ion Ratio Lower Upper  
 94 100  
 96 93.5 65.0 120.8

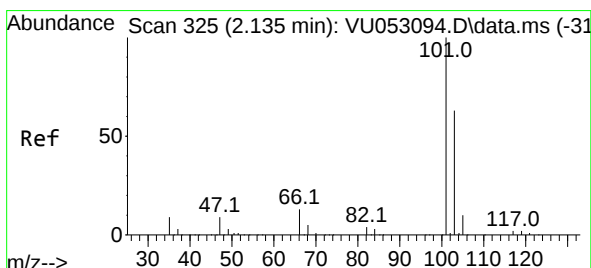
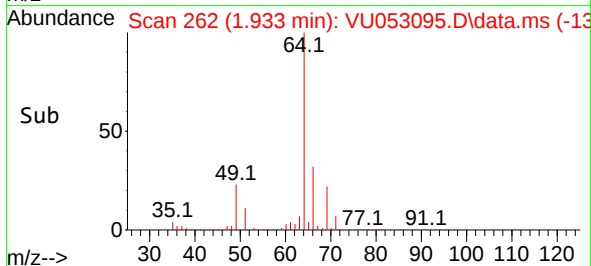
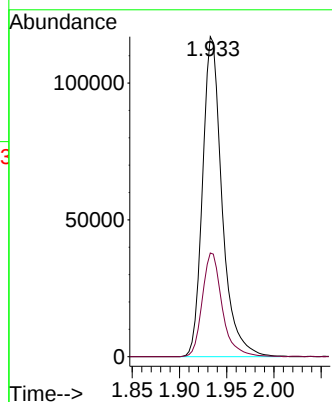
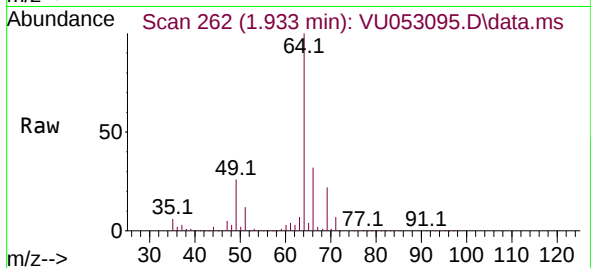




#8  
Chloroethane  
Concen: 116.608 ug/L  
RT: 1.933 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

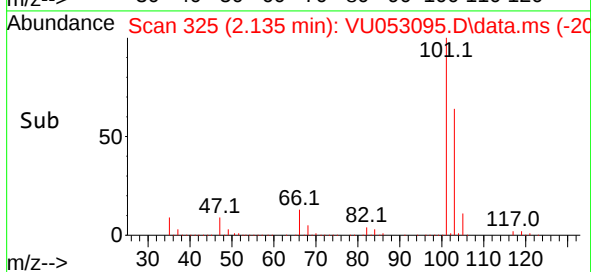
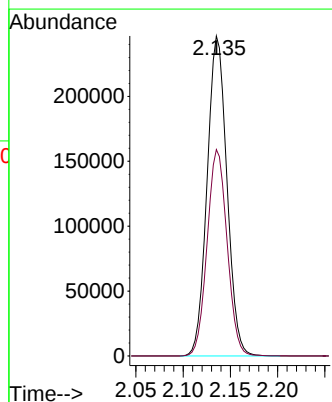
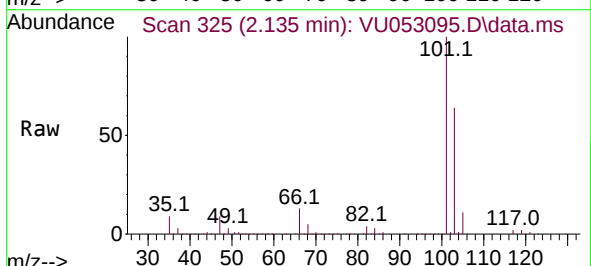
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

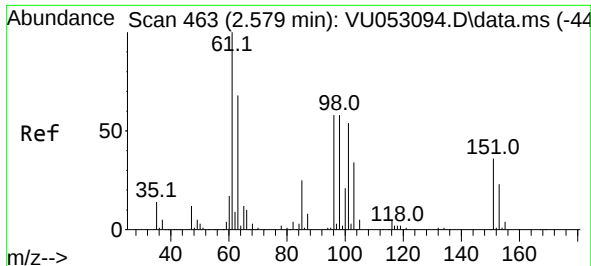
Tgt Ion: 64 Resp: 167881  
Ion Ratio Lower Upper  
64 100  
66 32.4 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 103.373 ug/L  
RT: 2.135 min Scan# 325  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion:101 Resp: 358953  
Ion Ratio Lower Upper  
101 100  
103 65.0 51.4 77.0

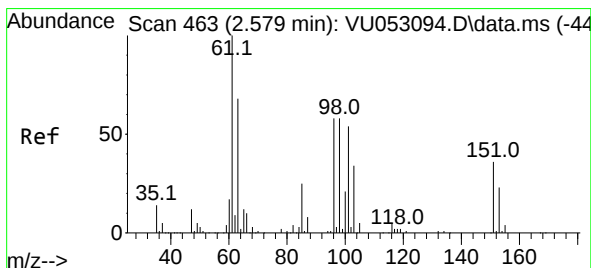
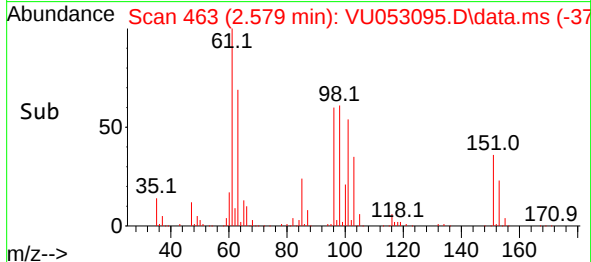
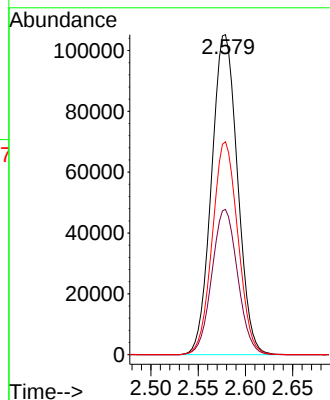
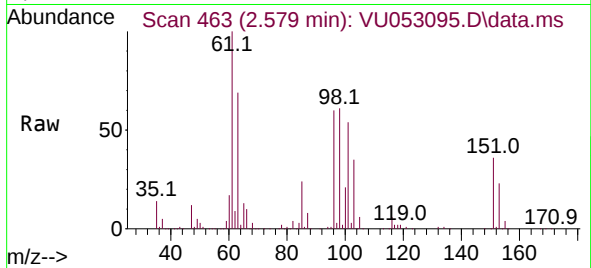




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 112.846 ug/L  
 RT: 2.579 min Scan# 463  
 Delta R.T. 0.000 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31

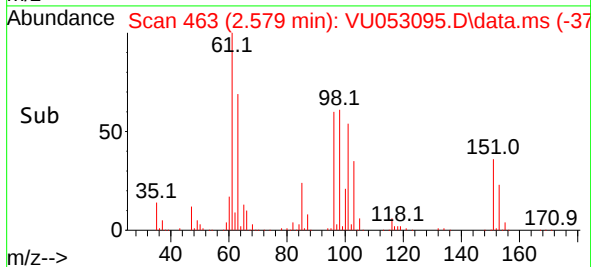
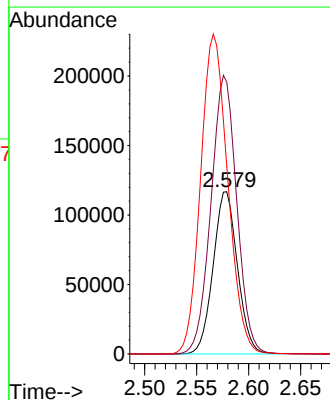
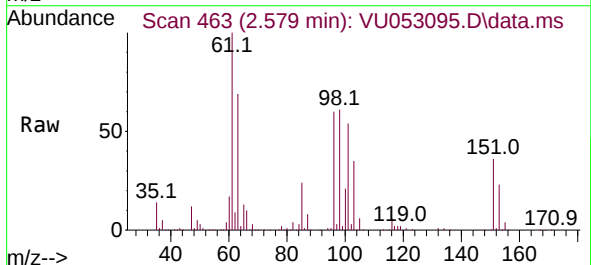
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100002

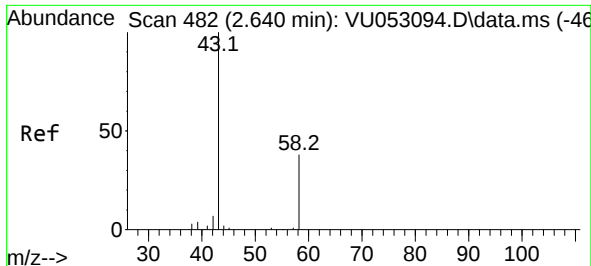
Tgt Ion:101 Resp: 201261  
 Ion Ratio Lower Upper  
 101 100  
 85 45.1 36.6 54.8  
 151 65.7 52.6 79.0



#12  
 1,1-Dichloroethene  
 Concen: 112.102 ug/L  
 RT: 2.579 min Scan# 463  
 Delta R.T. 0.000 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31

Tgt Ion: 96 Resp: 190102  
 Ion Ratio Lower Upper  
 96 100  
 61 167.7 121.9 226.3  
 63 115.8 84.2 156.4





#13

Acetone

Concen: 196.646 ug/L

RT: 2.640 min Scan# 482

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

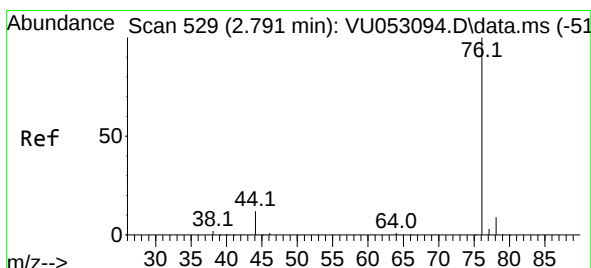
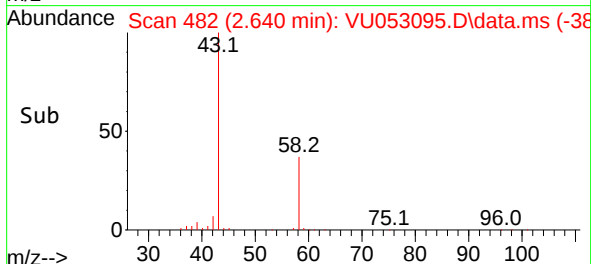
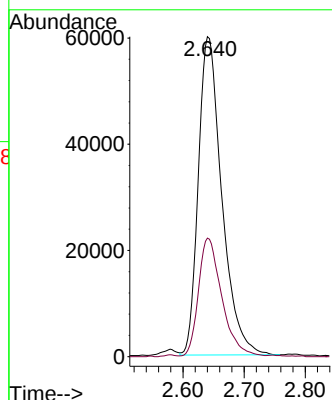
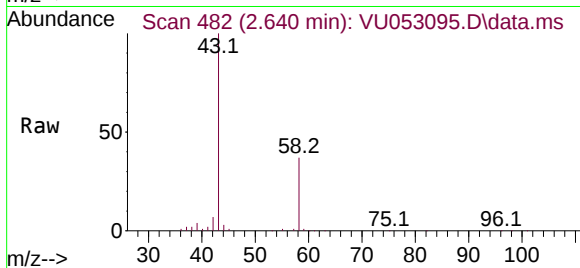
VSTD100002

Tgt Ion: 43 Resp: 160100

Ion Ratio Lower Upper

43 100

58 37.2 0.0 74.6



#14

Carbon disulfide

Concen: 118.755 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053095.D

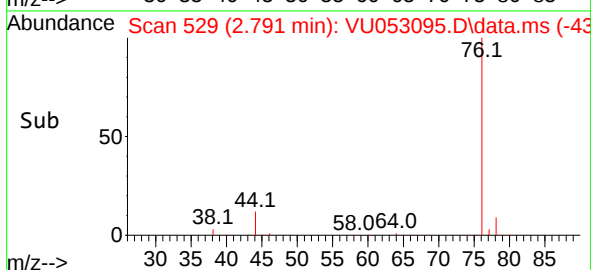
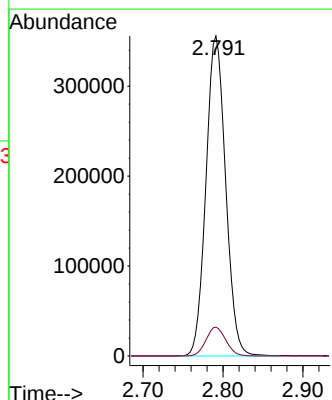
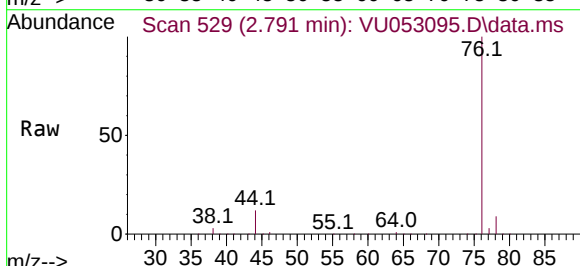
Acq: 14 Feb 2023 13:31

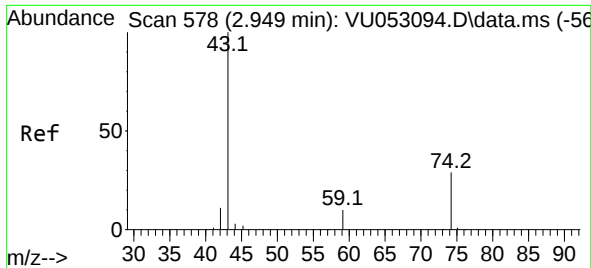
Tgt Ion: 76 Resp: 608873

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

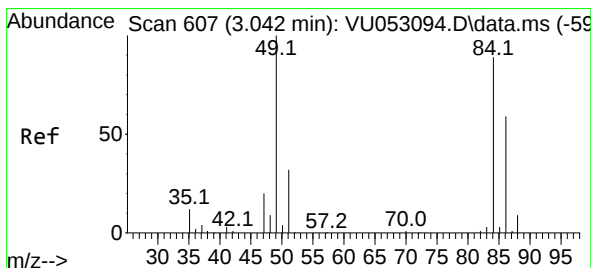
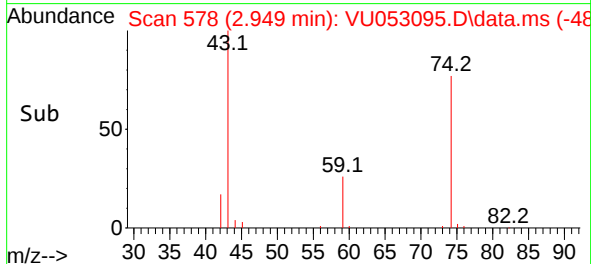
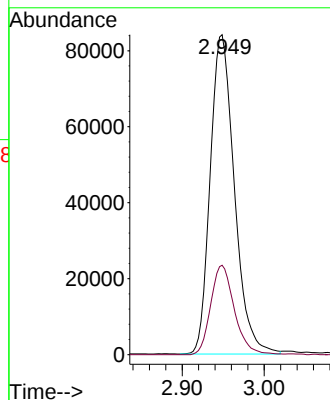
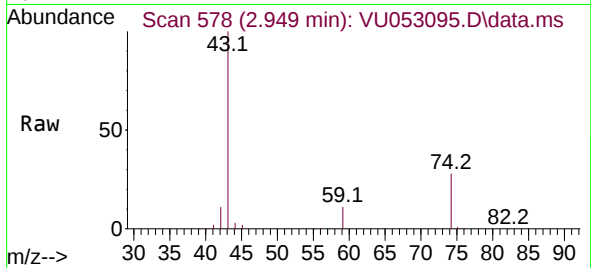




#15  
Methyl Acetate  
Concen: 133.474 ug/L  
RT: 2.949 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

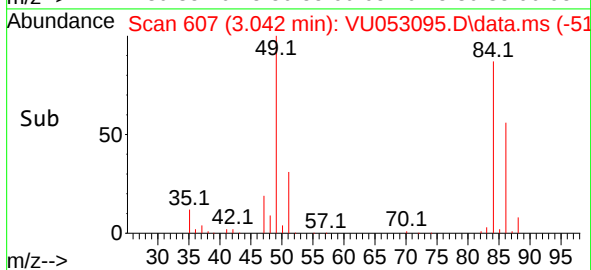
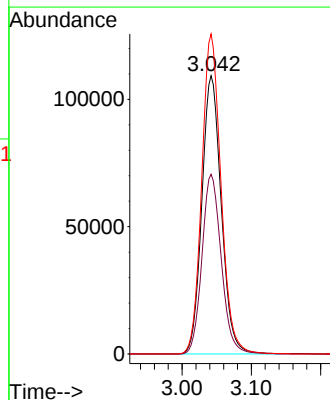
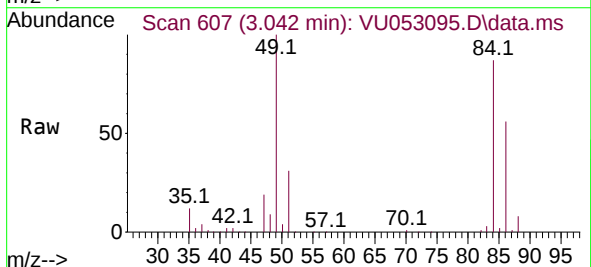
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

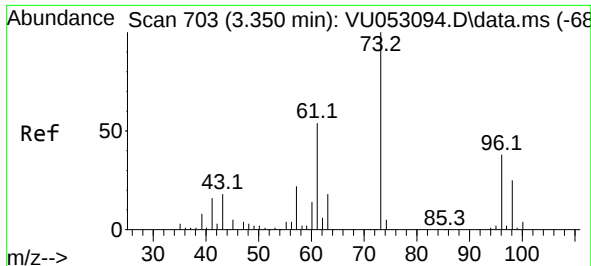
Tgt Ion: 43 Resp: 172282  
Ion Ratio Lower Upper  
43 100  
74 27.4 22.7 34.1



#16  
Methylene chloride  
Concen: 104.338 ug/L  
RT: 3.042 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion: 84 Resp: 212600  
Ion Ratio Lower Upper  
84 100  
86 64.6 46.2 85.8  
49 115.0 78.8 146.3

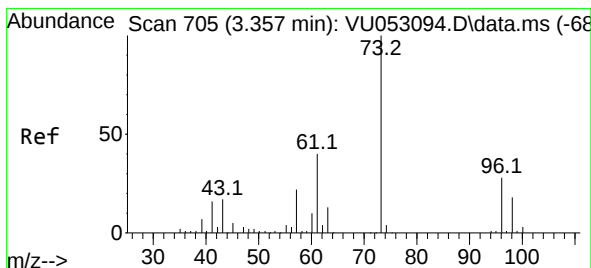
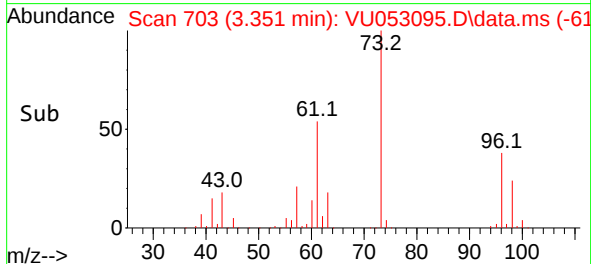
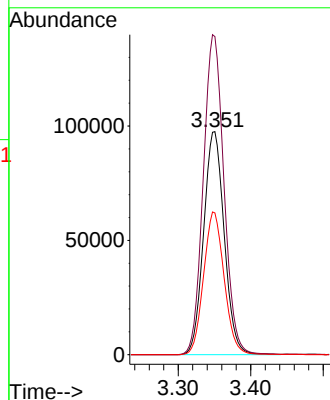
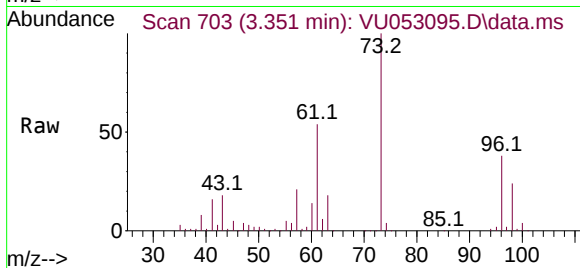




#17  
trans-1,2-Dichloroethene  
Concen: 107.113 ug/L  
RT: 3.351 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

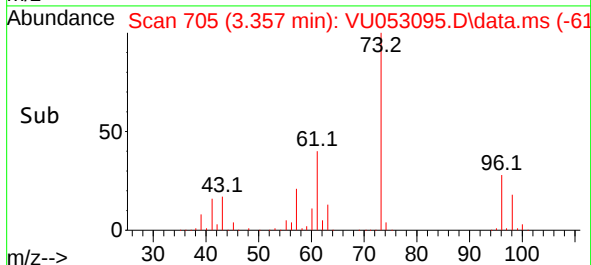
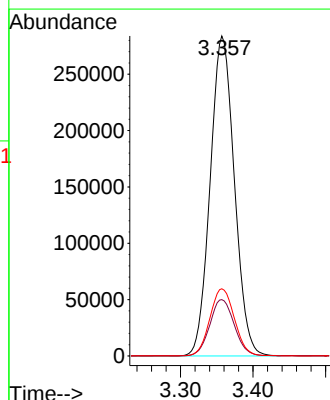
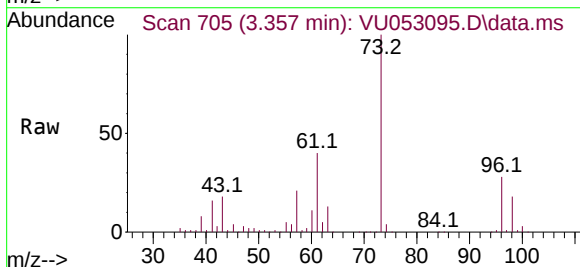
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

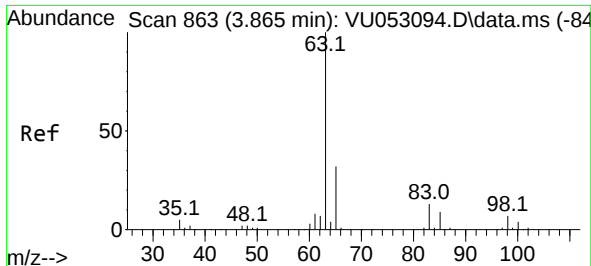
Tgt Ion: 96 Resp: 192817  
Ion Ratio Lower Upper  
96 100  
61 142.6 99.2 184.2  
98 63.5 45.1 83.7



#18  
Methyl tert-butyl Ether  
Concen: 115.573 ug/L  
RT: 3.357 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion: 73 Resp: 658205  
Ion Ratio Lower Upper  
73 100  
43 17.8 14.1 21.1  
57 21.4 17.4 26.0





#19

1,1-Dichloroethane

Concen: 119.545 ug/L

RT: 3.865 min Scan# 863

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

VSTD100002

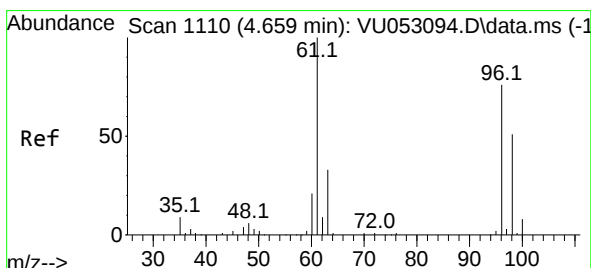
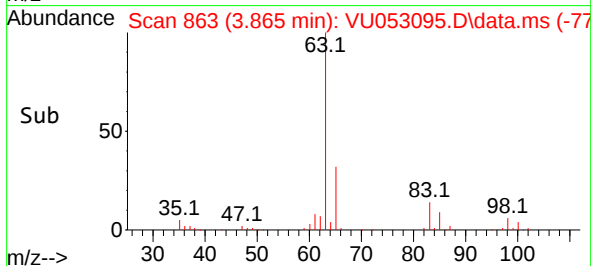
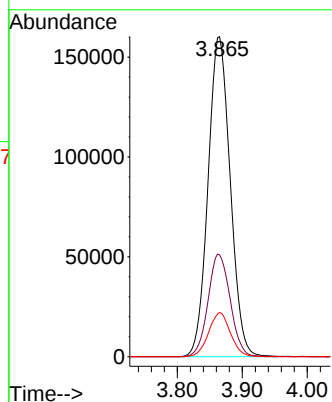
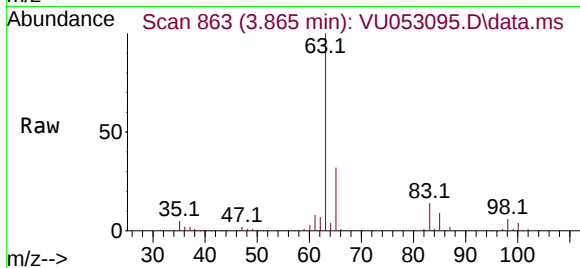
Tgt Ion: 63 Resp: 380350

Ion Ratio Lower Upper

63 100

65 31.8 22.4 41.6

83 13.8 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 109.901 ug/L

RT: 4.659 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

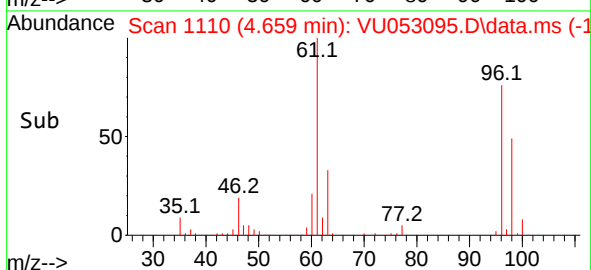
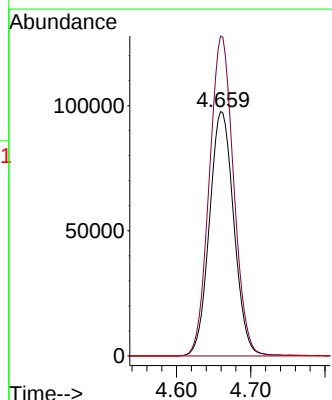
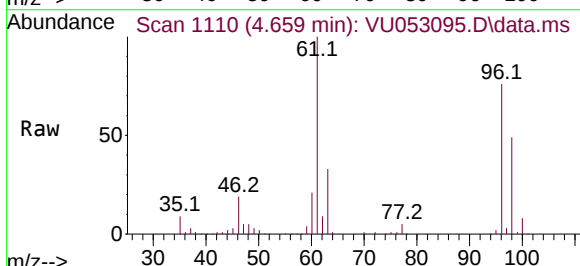
Tgt Ion: 96 Resp: 223150

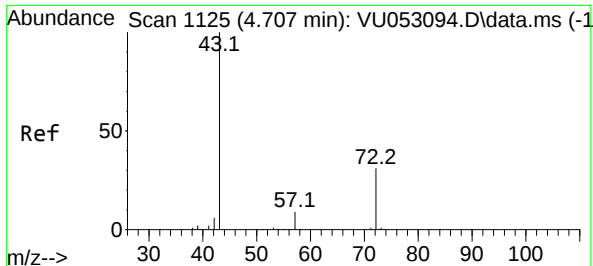
Ion Ratio Lower Upper

96 100

61 130.9 91.9 170.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 241.063 ug/L

RT: 4.704 min Scan# 1125

Delta R.T. -0.003 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

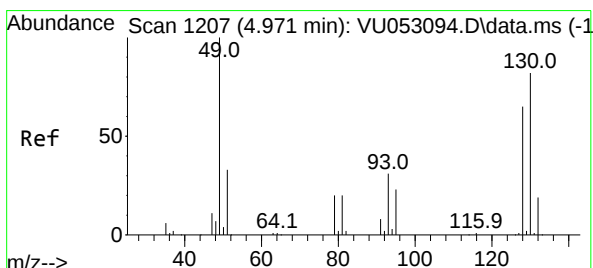
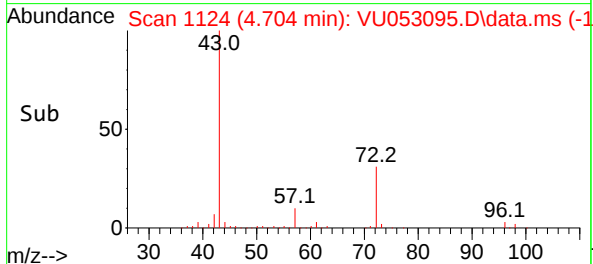
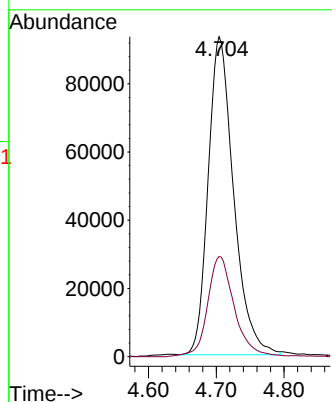
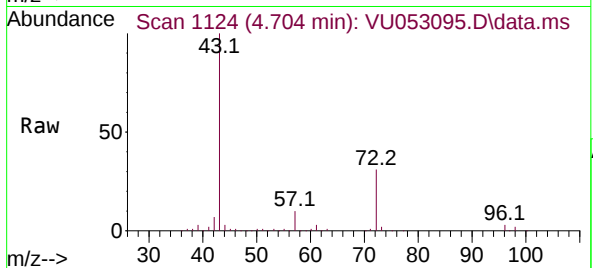
VSTD100002

Tgt Ion: 43 Resp: 243347

Ion Ratio Lower Upper

43 100

72 33.1 16.6 49.7



#23

Bromochloromethane

Concen: 99.429 ug/L

RT: 4.968 min Scan# 1206

Delta R.T. -0.003 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Tgt Ion:128 Resp: 107207

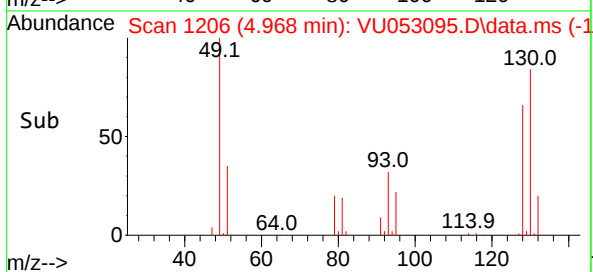
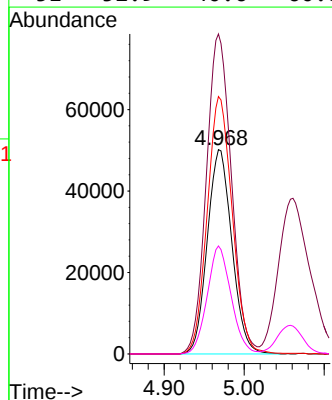
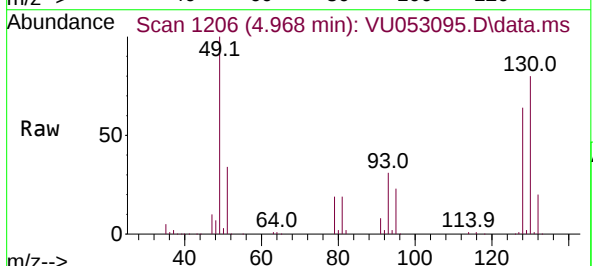
Ion Ratio Lower Upper

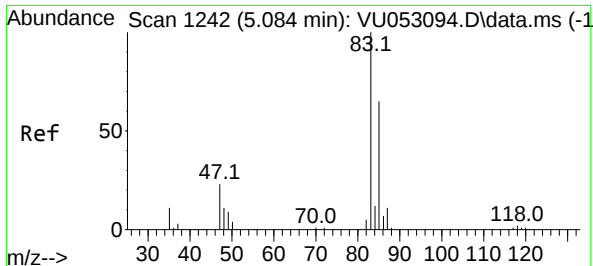
128 100

49 156.6 107.6 199.8

130 126.0 87.9 163.3

51 52.9 40.6 60.8





#25

Chloroform

Concen: 111.191 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

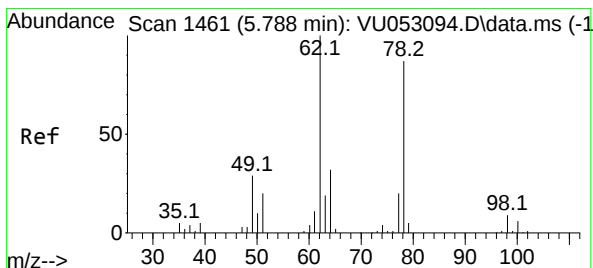
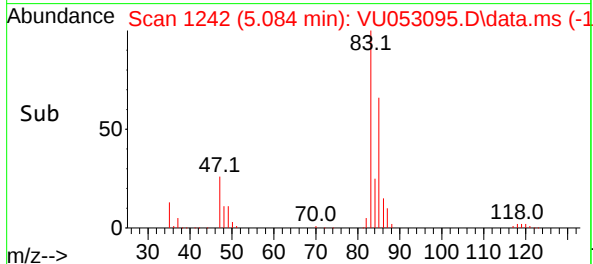
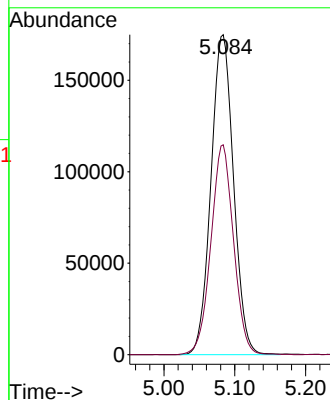
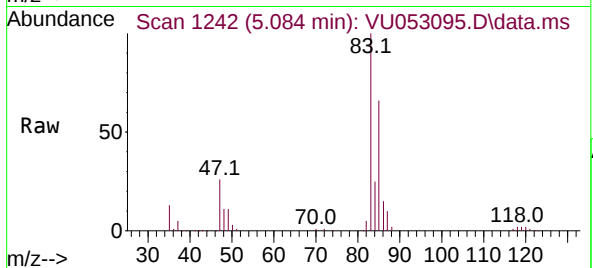
VSTD100002

Tgt Ion: 83 Resp: 386462

Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.0



#27

1,2-Dichloroethane

Concen: 118.590 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VU053095.D

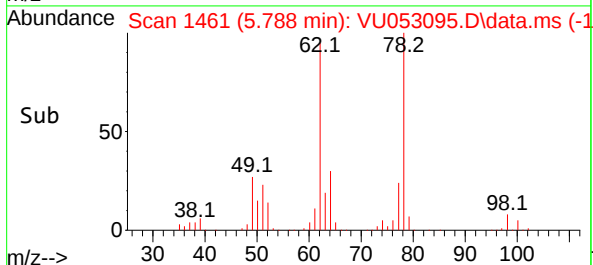
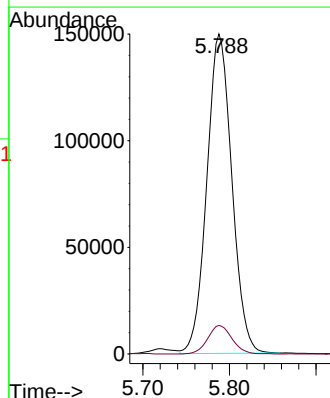
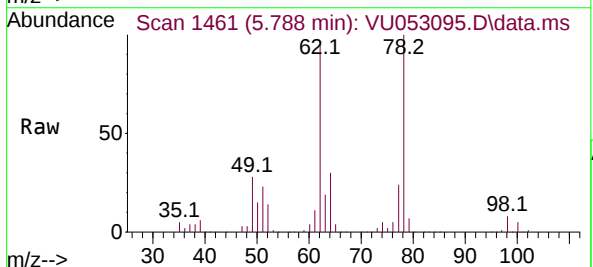
Acq: 14 Feb 2023 13:31

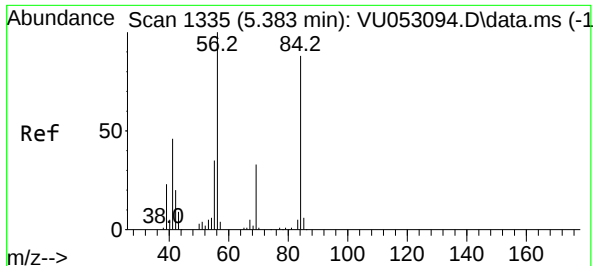
Tgt Ion: 62 Resp: 300595

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 121.065 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

VSTD100002

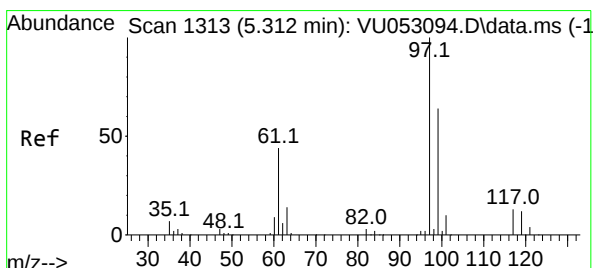
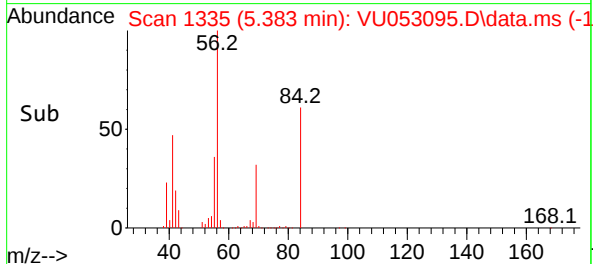
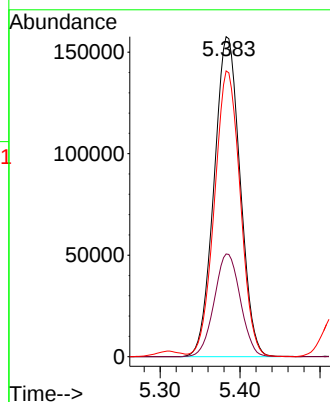
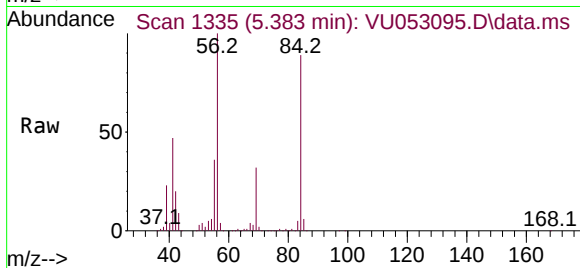
Tgt Ion: 56 Resp: 356457

Ion Ratio Lower Upper

56 100

69 32.1 25.9 38.9

84 88.1 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 109.056 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

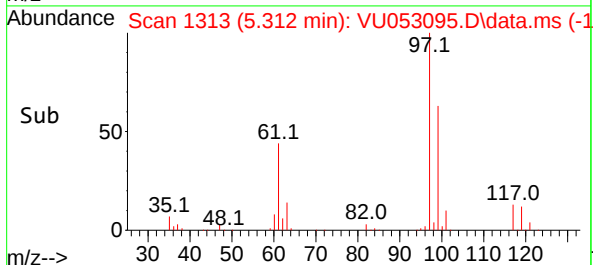
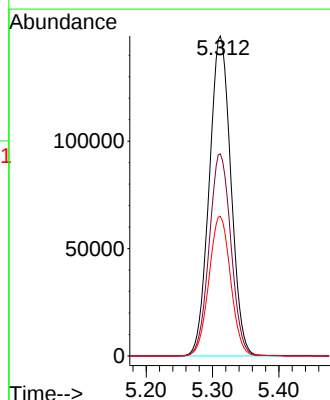
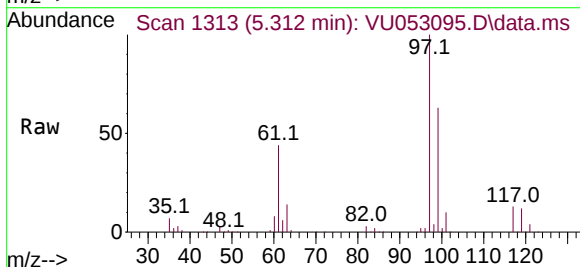
Tgt Ion: 97 Resp: 337637

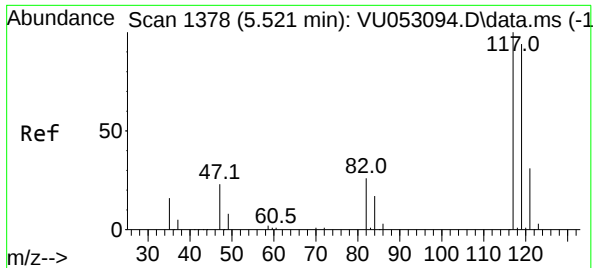
Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

61 43.7 35.3 52.9

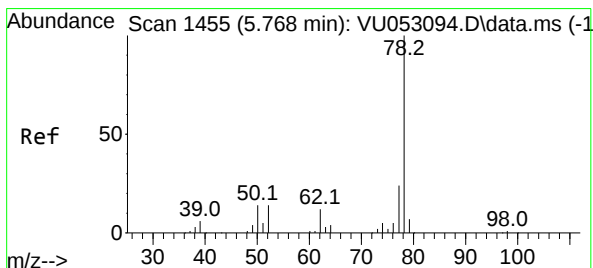
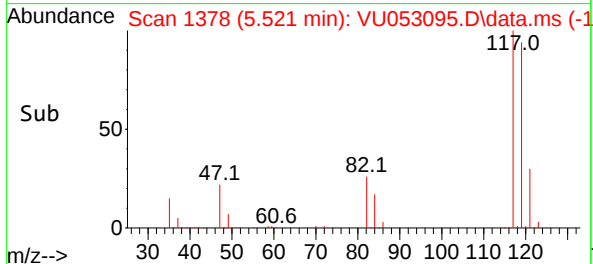
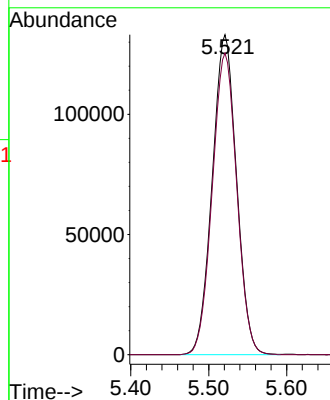
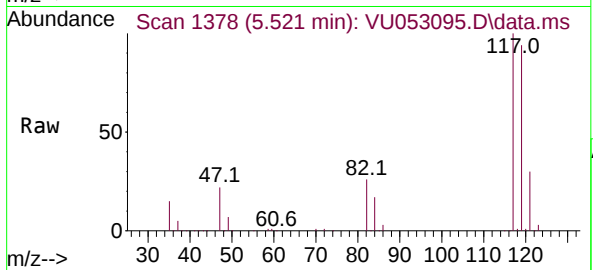




#31  
Carbon tetrachloride  
Concen: 106.965 ug/L  
RT: 5.521 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

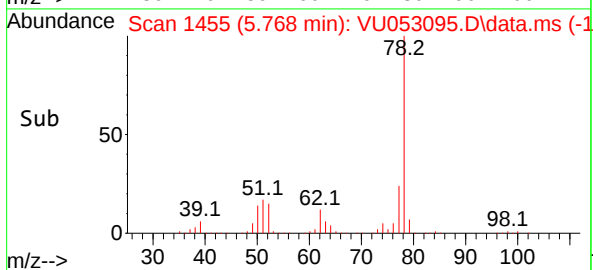
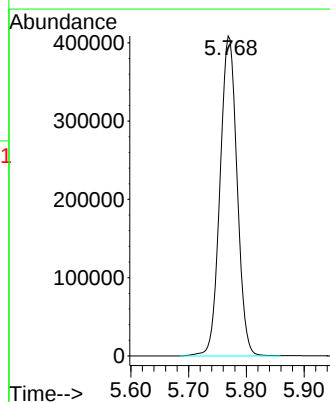
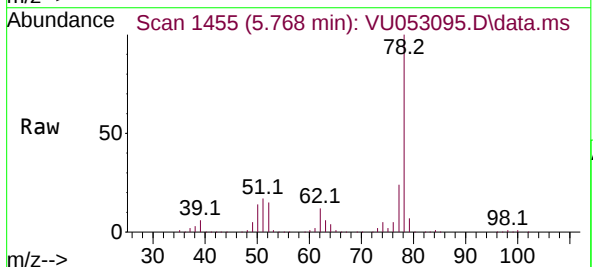
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

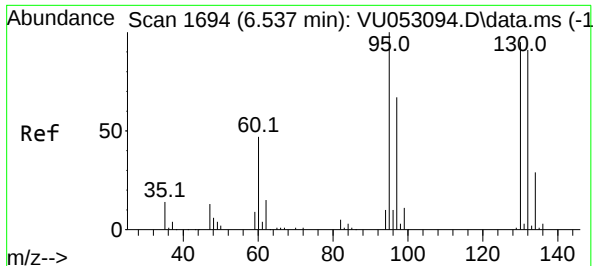
Tgt Ion:117 Resp: 288221  
Ion Ratio Lower Upper  
117 100  
119 95.0 75.9 113.9



#33  
Benzene  
Concen: 112.496 ug/L  
RT: 5.768 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion: 78 Resp: 838850





#34

Trichloroethene

Concen: 109.039 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

VSTD100002

Tgt Ion: 95 Resp: 219054

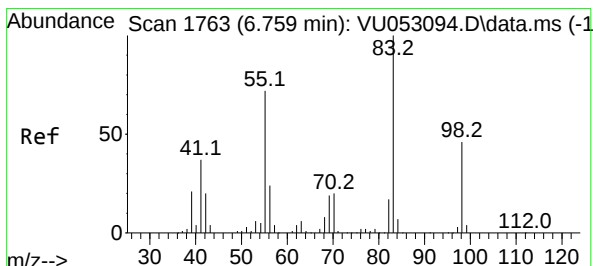
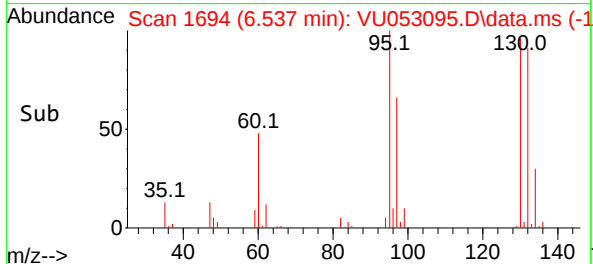
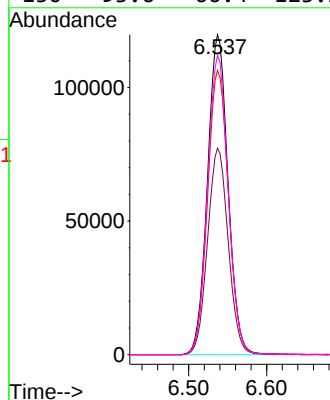
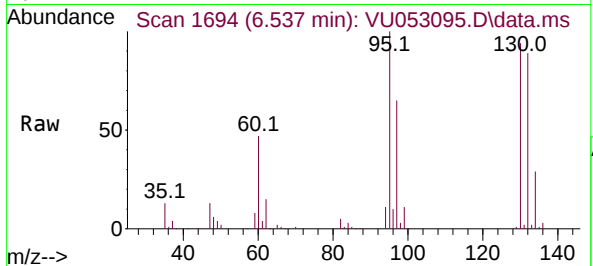
Ion Ratio Lower Upper

95 100

97 64.6 47.1 87.5

132 88.8 63.6 118.2

130 93.6 66.4 123.2



#35

Methylcyclohexane

Concen: 111.505 ug/L

RT: 6.759 min Scan# 1763

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

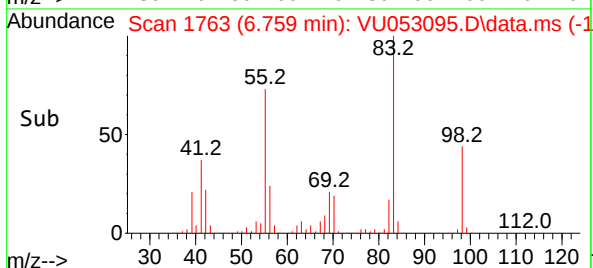
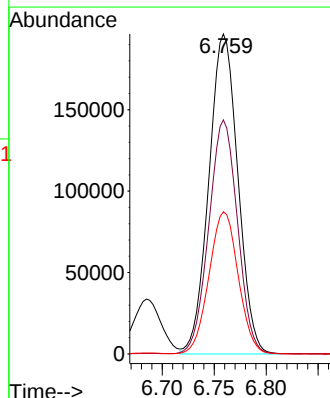
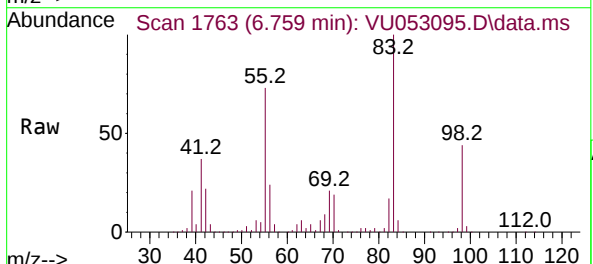
Tgt Ion: 83 Resp: 382098

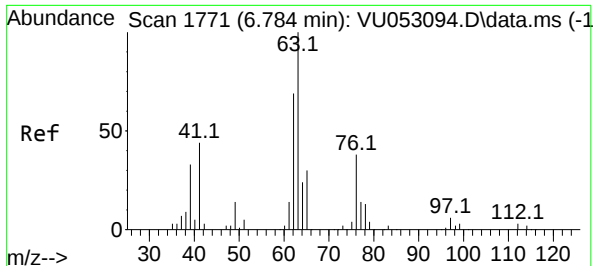
Ion Ratio Lower Upper

83 100

55 72.4 57.4 86.2

98 44.8 36.1 54.1





#37

1,2-Dichloropropane

Concen: 119.040 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

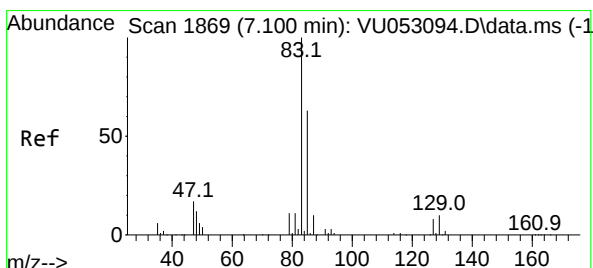
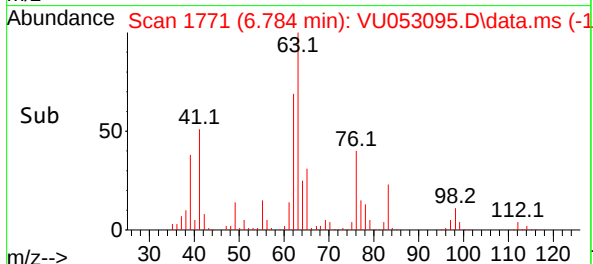
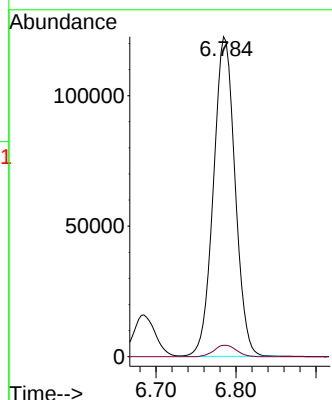
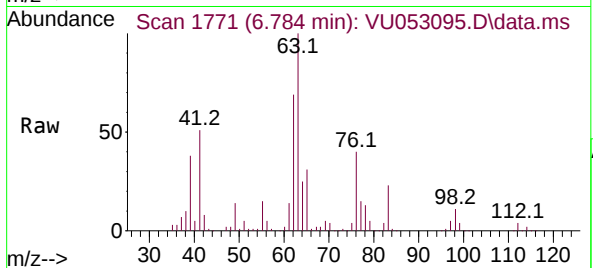
VSTD100002

Tgt Ion: 63 Resp: 229634

Ion Ratio Lower Upper

63 100

112 3.7 2.7 4.1



#38

Bromodichloromethane

Concen: 109.878 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

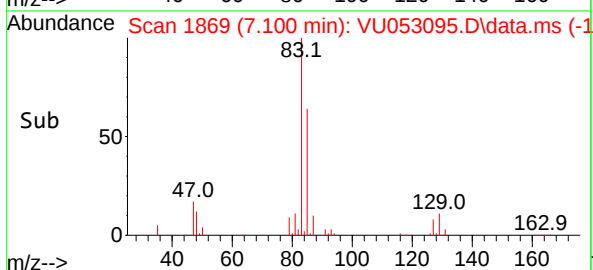
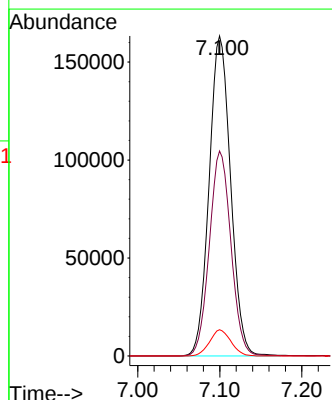
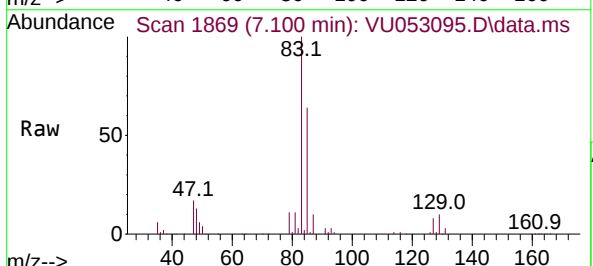
Tgt Ion: 83 Resp: 297170

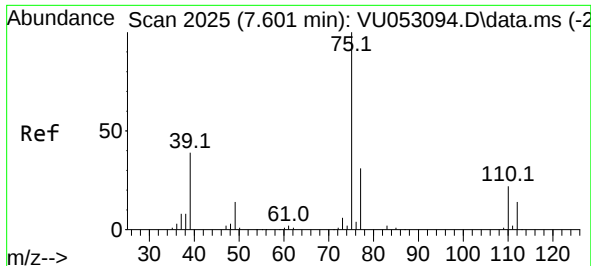
Ion Ratio Lower Upper

83 100

85 64.1 44.2 82.0

127 8.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 118.378 ug/L

RT: 7.601 min Scan# 2025

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

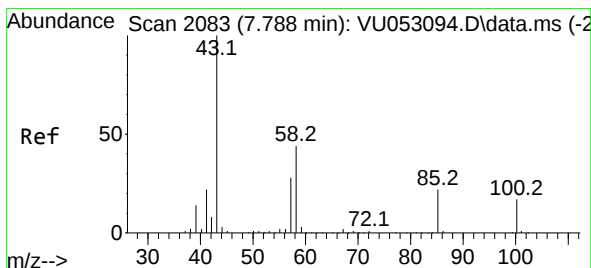
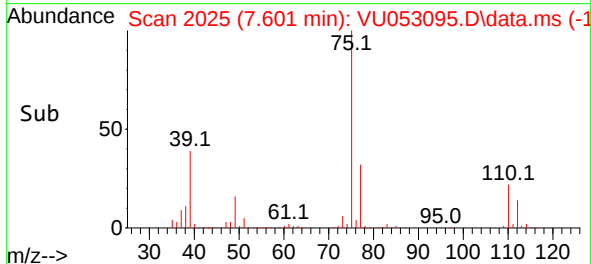
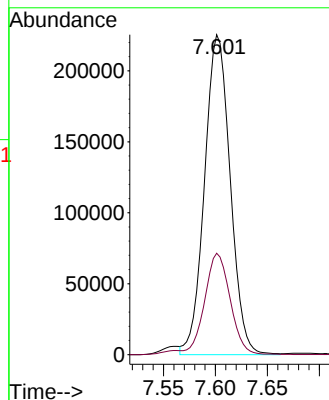
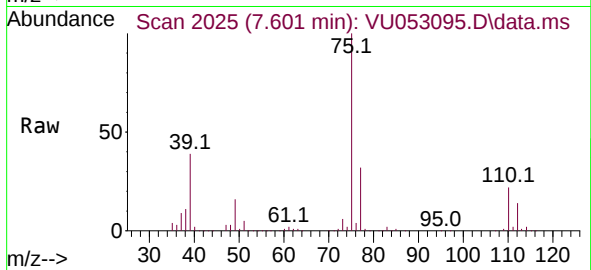
VSTD100002

Tgt Ion: 75 Resp: 387839

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 258.072 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

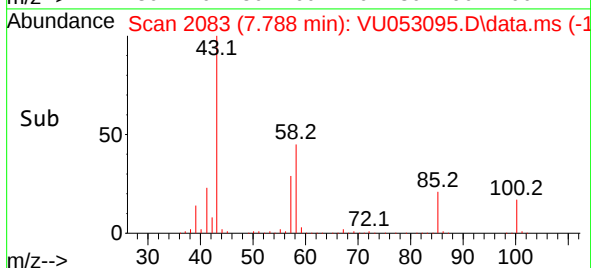
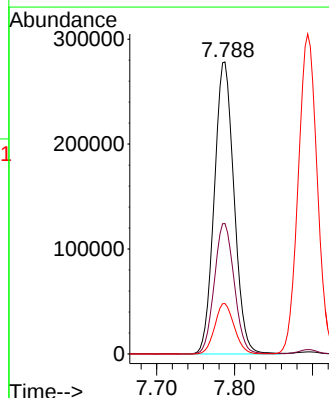
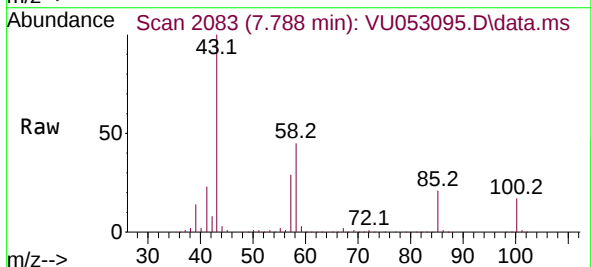
Tgt Ion: 43 Resp: 490874

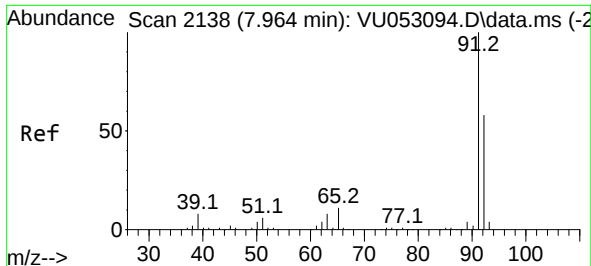
Ion Ratio Lower Upper

43 100

58 45.1 35.9 53.9

100 17.0 13.7 20.5





#42

Toluene

Concen: 107.775 ug/L

RT: 7.965 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

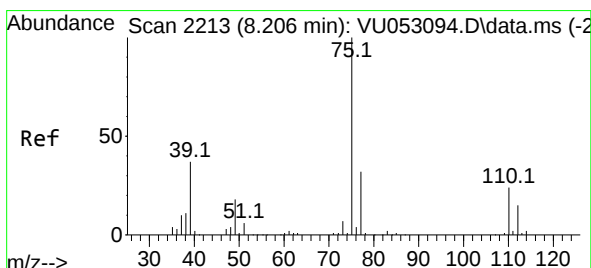
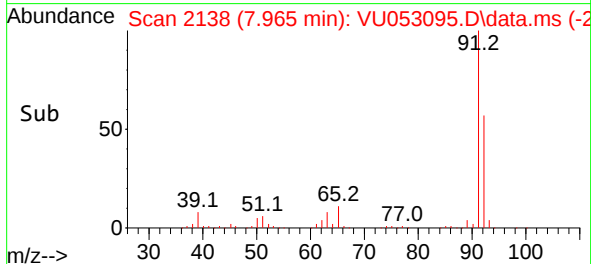
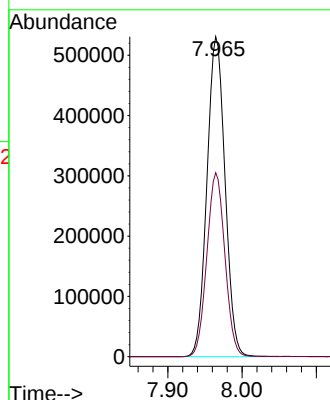
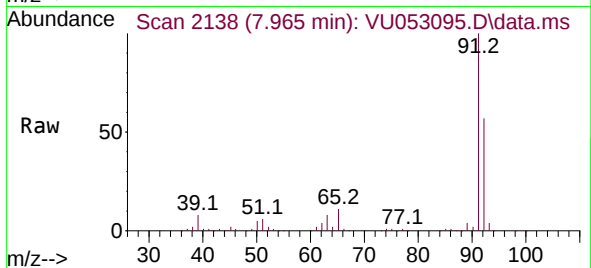
VSTD100002

Tgt Ion: 91 Resp: 896789

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 115.115 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053095.D

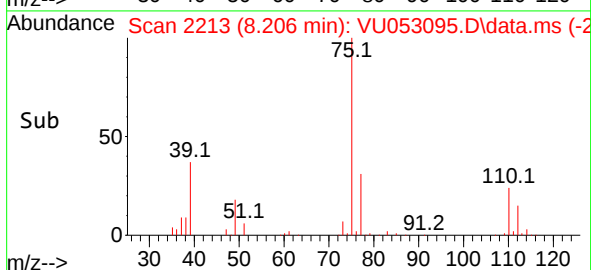
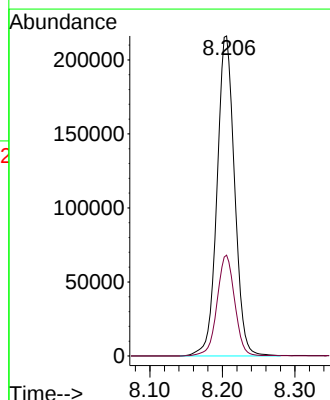
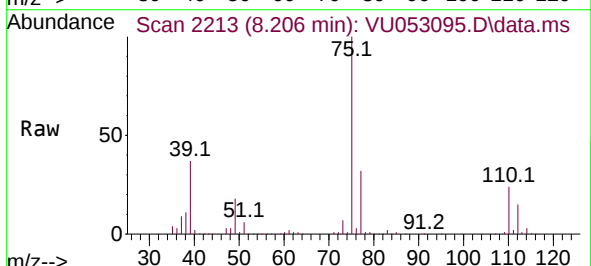
Acq: 14 Feb 2023 13:31

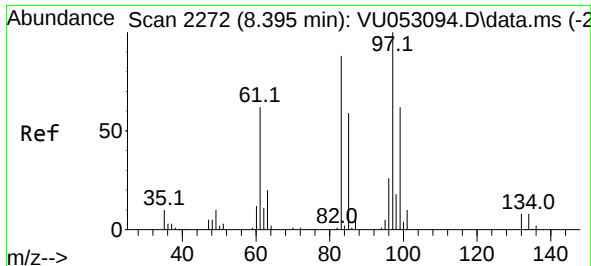
Tgt Ion: 75 Resp: 363251

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



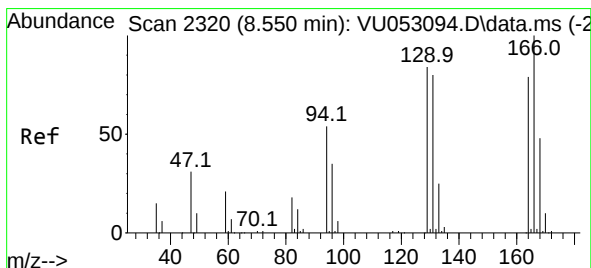
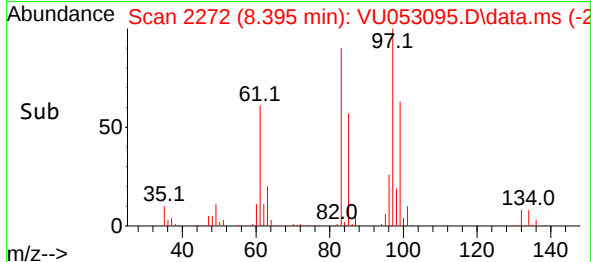
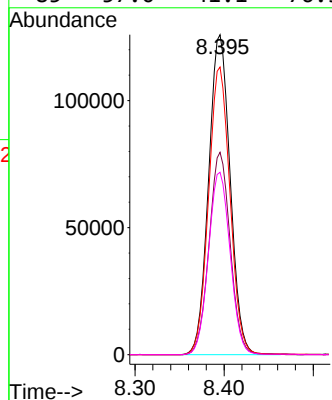
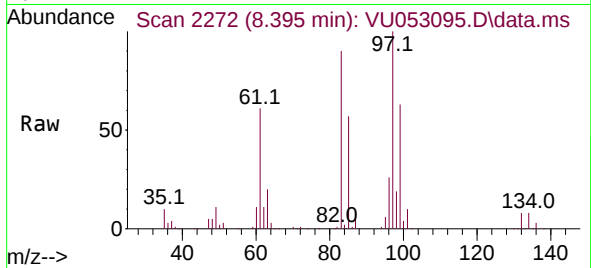


#45  
1,1,2-Trichloroethane  
Concen: 108.949 ug/L  
RT: 8.395 min Scan# 211533  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

Tgt Ion: 97 Resp: 211533

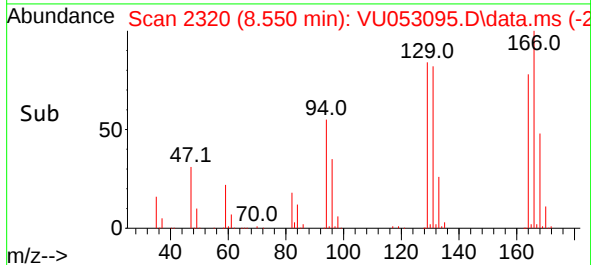
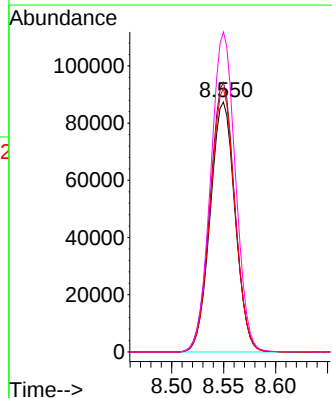
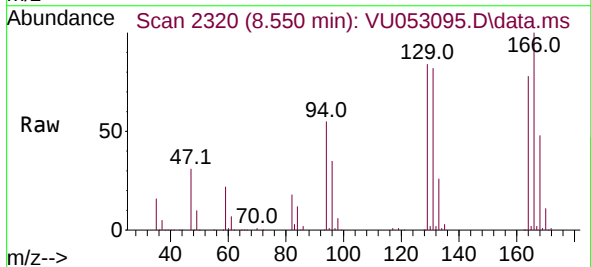
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.2  | 43.7  | 81.1  |
| 83  | 89.9  | 61.7  | 114.5 |
| 85  | 57.0  | 41.1  | 76.3  |

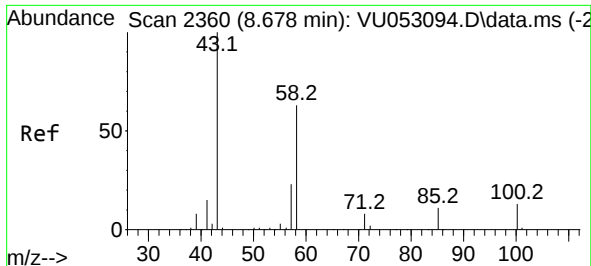


#46  
Tetrachloroethene  
Concen: 94.628 ug/L  
RT: 8.550 min Scan# 2320  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion: 164 Resp: 145370

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 107.9 | 74.8  | 139.0 |
| 131 | 105.4 | 70.7  | 131.3 |
| 166 | 128.0 | 88.6  | 164.6 |

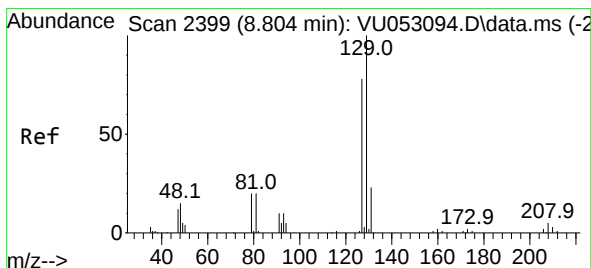
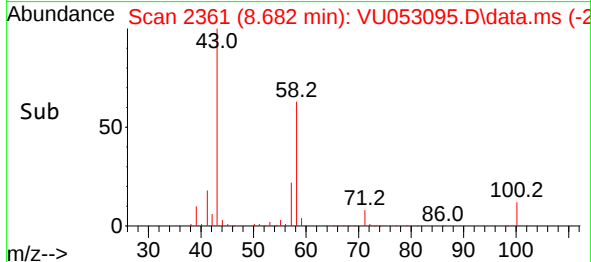
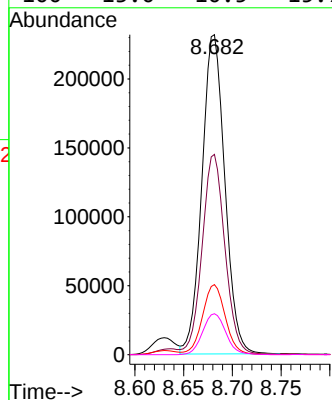
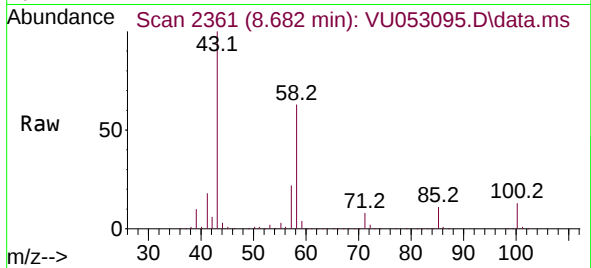




#48  
2-Hexanone  
Concen: 252.960 ug/L  
RT: 8.682 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

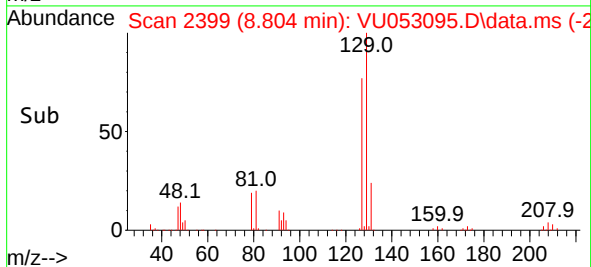
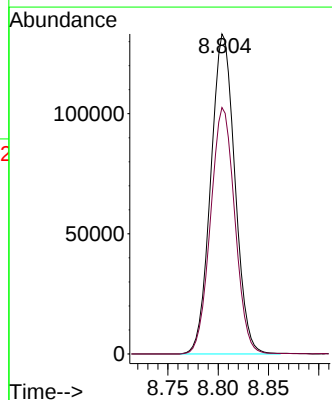
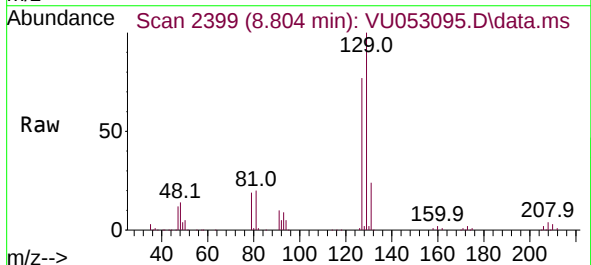
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

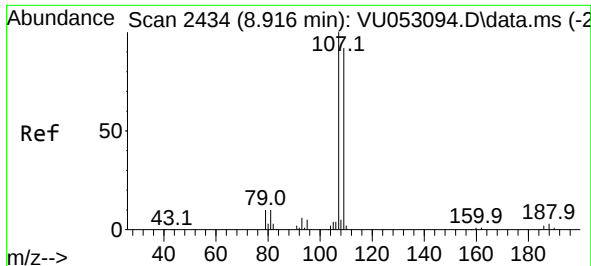
Tgt Ion: 43 Resp: 379390  
Ion Ratio Lower Upper  
43 100  
58 62.2 50.0 75.0  
57 21.8 17.7 26.5  
100 13.0 10.5 15.7



#49  
Dibromochloromethane  
Concen: 98.432 ug/L  
RT: 8.804 min Scan# 2399  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion: 129 Resp: 222155  
Ion Ratio Lower Upper  
129 100  
127 77.0 54.9 101.9

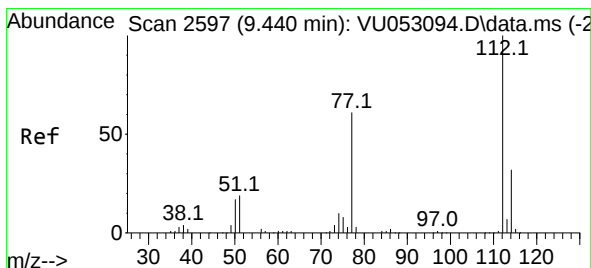
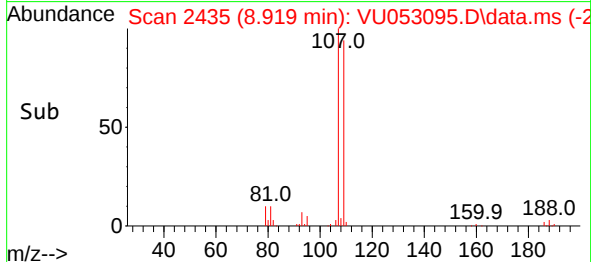
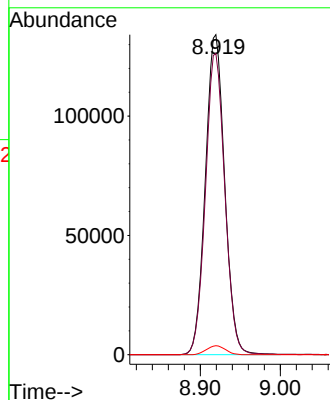
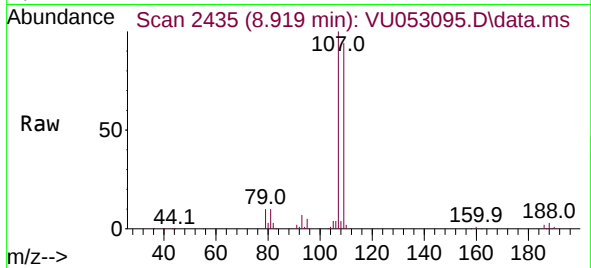




#50  
1,2-Dibromoethane  
Concen: 107.772 ug/L  
RT: 8.919 min Scan# 2434  
Delta R.T. 0.003 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

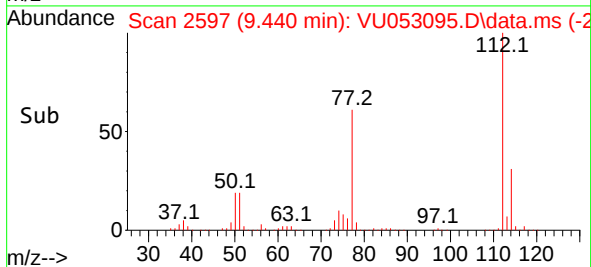
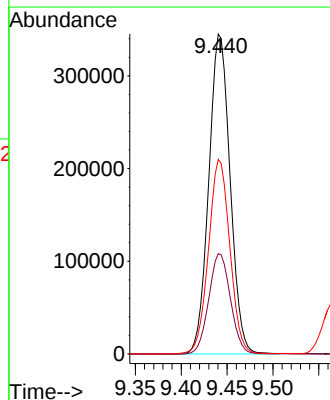
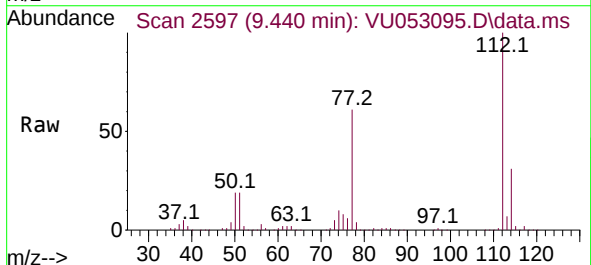
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

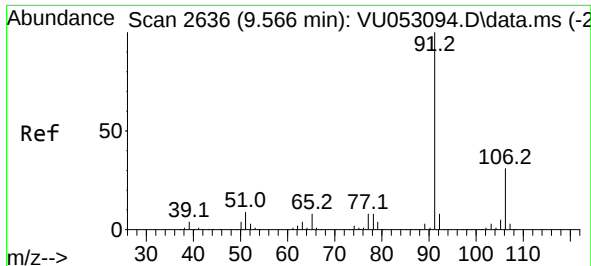
Tgt Ion:107 Resp: 226005  
Ion Ratio Lower Upper  
107 100  
109 94.1 64.5 119.9  
188 2.8 2.2 3.4



#51  
Chlorobenzene  
Concen: 105.098 ug/L  
RT: 9.440 min Scan# 2597  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion:112 Resp: 559014  
Ion Ratio Lower Upper  
112 100  
114 31.3 22.3 41.3  
77 60.8 48.8 73.2

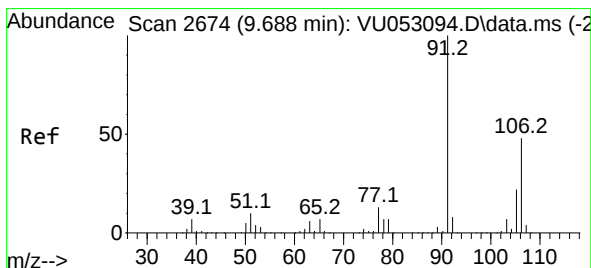
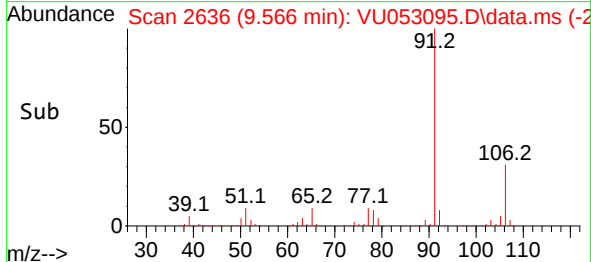
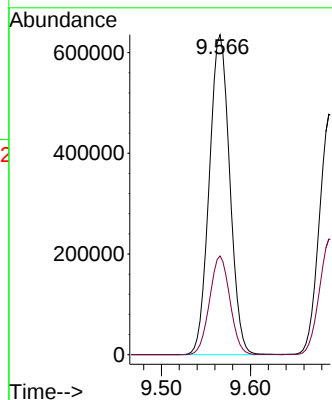
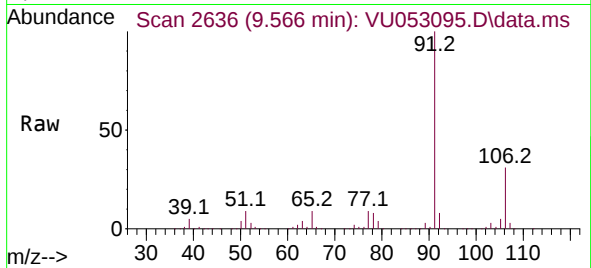




#52  
Ethylbenzene  
Concen: 110.001 ug/L  
RT: 9.566 min Scan# 2636  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

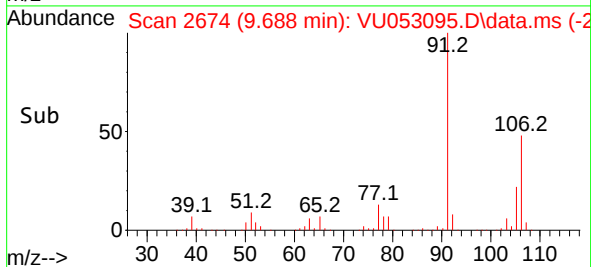
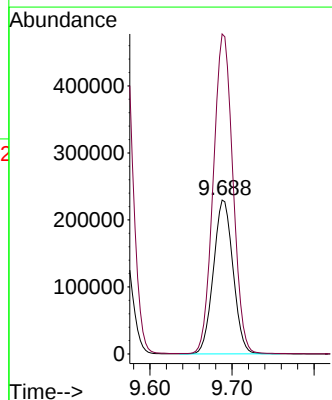
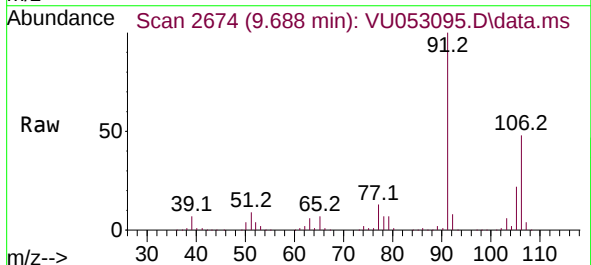
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

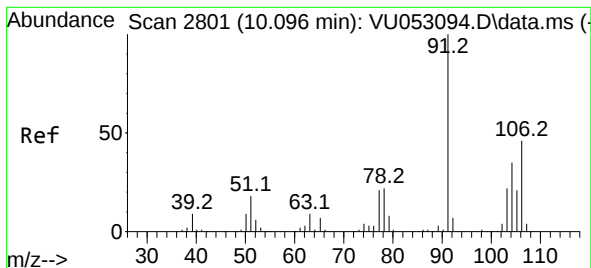
Tgt Ion: 91 Resp: 1012779  
Ion Ratio Lower Upper  
91 100  
106 30.9 21.5 39.9



#53  
m,p-Xylene  
Concen: 105.451 ug/L  
RT: 9.688 min Scan# 2674  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion: 106 Resp: 380423  
Ion Ratio Lower Upper  
106 100  
91 207.9 145.6 270.4





#54

o-xylene

Concen: 106.343 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

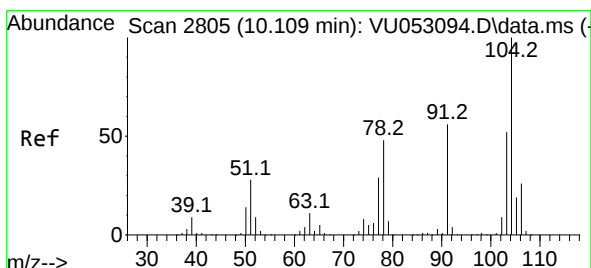
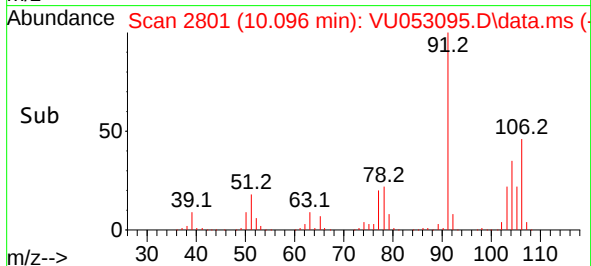
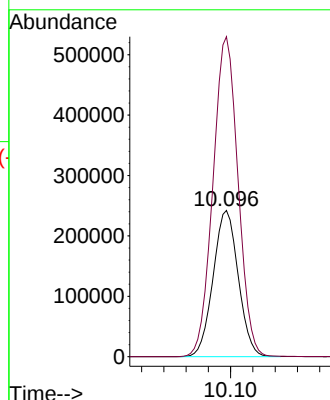
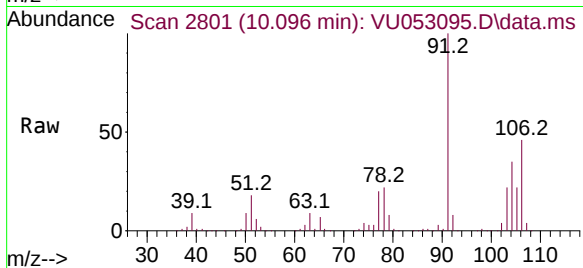
VSTD100002

Tgt Ion:106 Resp: 379053

Ion Ratio Lower Upper

106 100

91 218.8 152.8 283.8



#55

Styrene

Concen: 107.303 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. 0.000 min

Lab File: VU053095.D

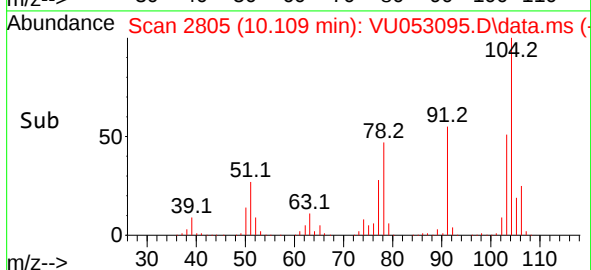
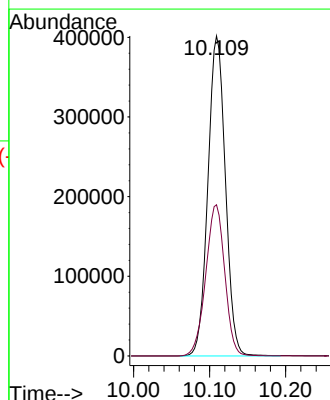
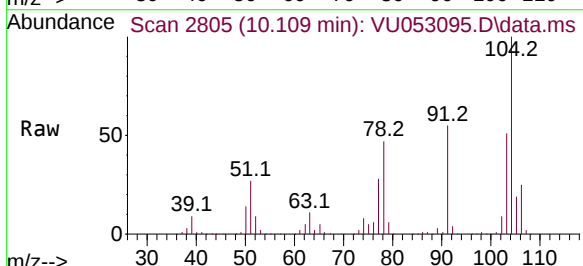
Acq: 14 Feb 2023 13:31

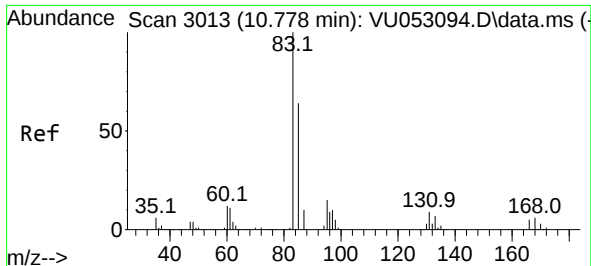
Tgt Ion:104 Resp: 641302

Ion Ratio Lower Upper

104 100

78 47.3 33.6 62.4

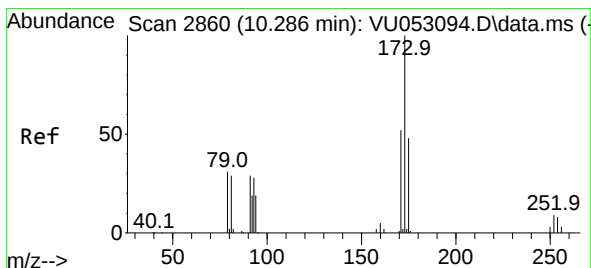
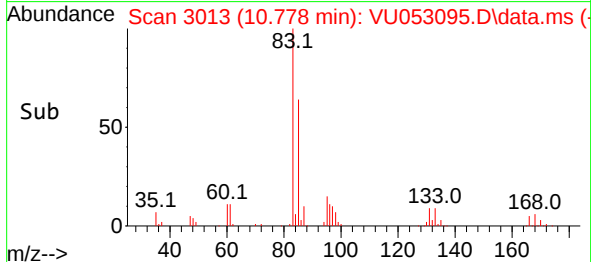
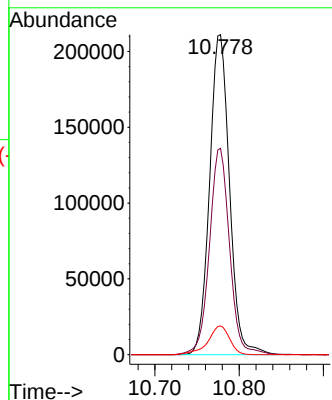
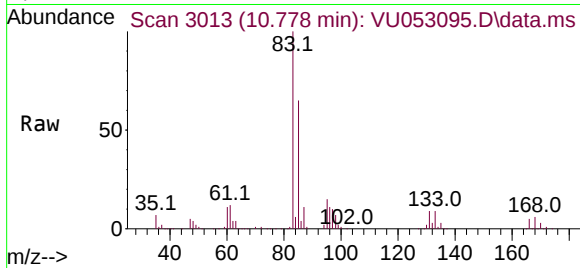




#57  
1,1,2,2-Tetrachloroethane  
Concen: 114.334 ug/L  
RT: 10.778 min Scan# 3013  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

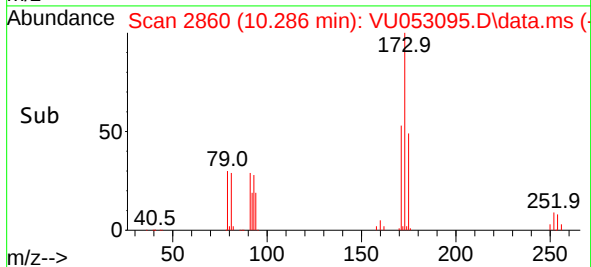
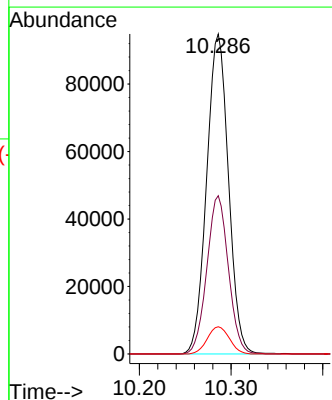
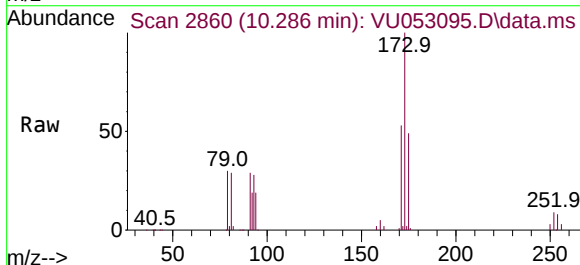
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

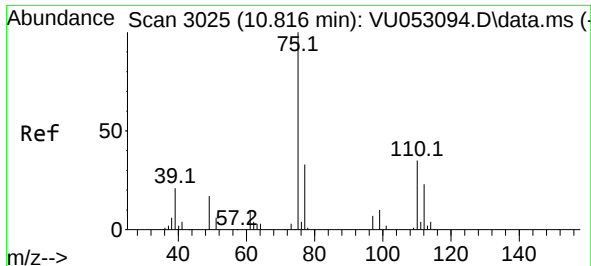
Tgt Ion: 83 Resp: 346338  
Ion Ratio Lower Upper  
83 100  
85 64.5 44.7 82.9  
131 9.0 7.2 10.8



#59  
Bromoform  
Concen: 97.704 ug/L  
RT: 10.286 min Scan# 2860  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion:173 Resp: 156375  
Ion Ratio Lower Upper  
173 100  
175 48.8 38.8 58.2  
254 8.6 6.4 9.6

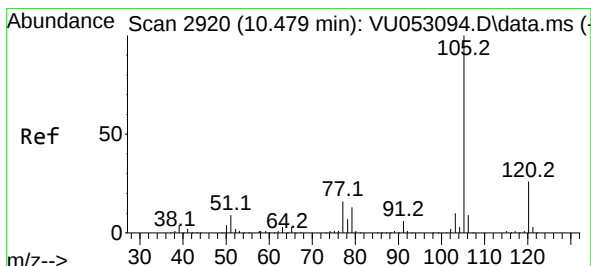
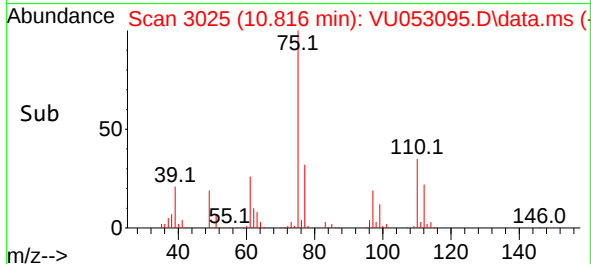
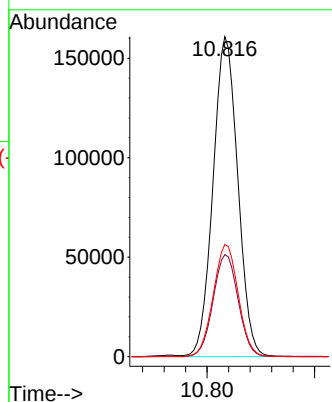
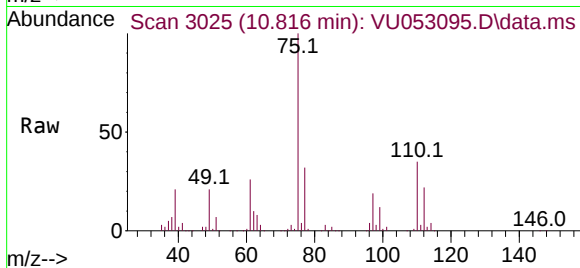




#60  
1,2,3-Trichloropropane  
Concen: 120.326 ug/L  
RT: 10.816 min Scan# 3025  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

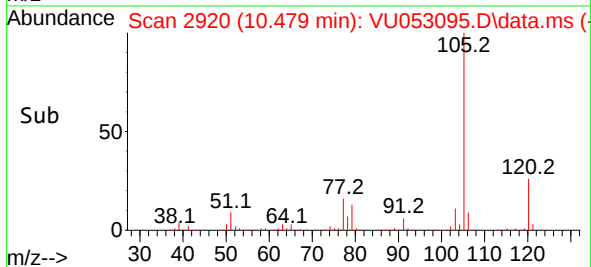
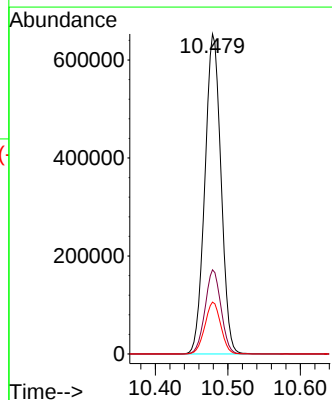
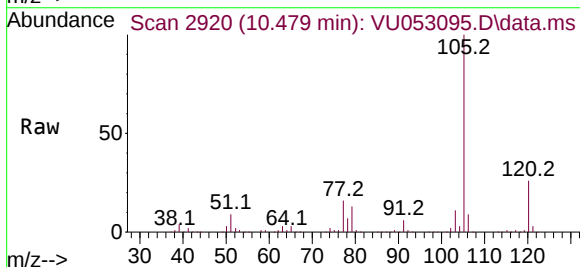
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

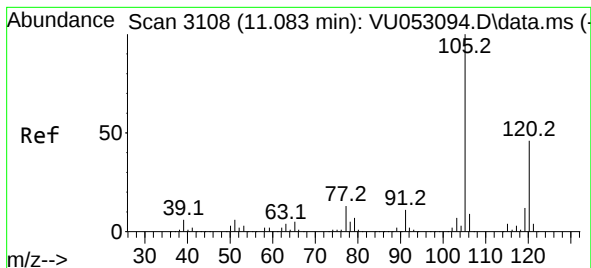
Tgt Ion: 75 Resp: 256593  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.6 39.8  
110 35.5 28.6 42.8



#61  
Isopropylbenzene  
Concen: 114.241 ug/L  
RT: 10.479 min Scan# 2920  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion: 105 Resp: 1007594  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.8 31.2  
77 16.0 12.8 19.2

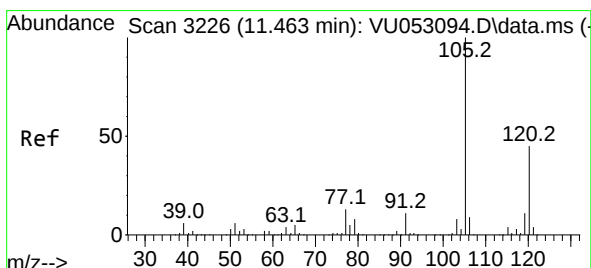
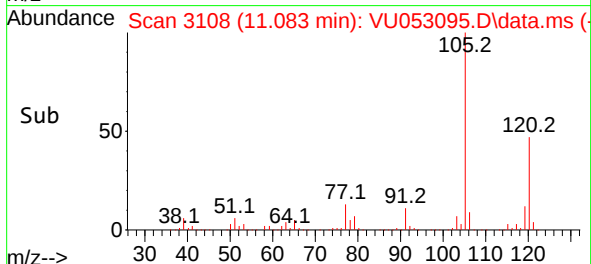
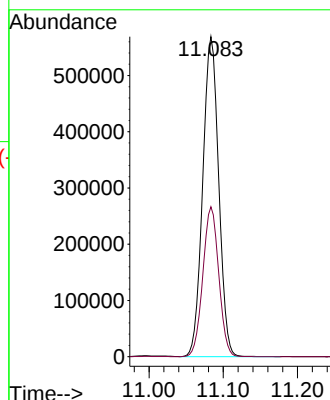
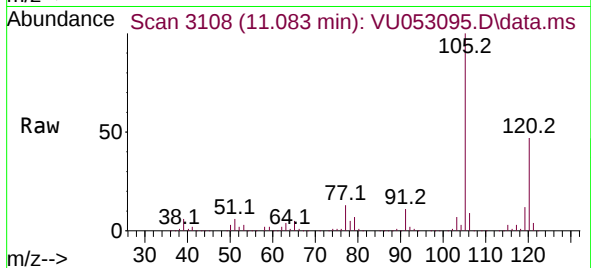




#62  
1,3,5-Trimethylbenzene  
Concen: 110.475 ug/L  
RT: 11.083 min Scan# 3108  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

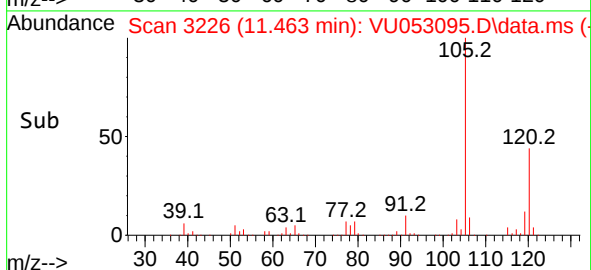
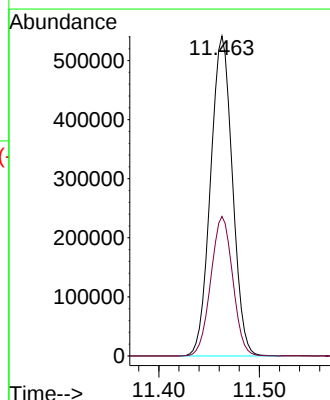
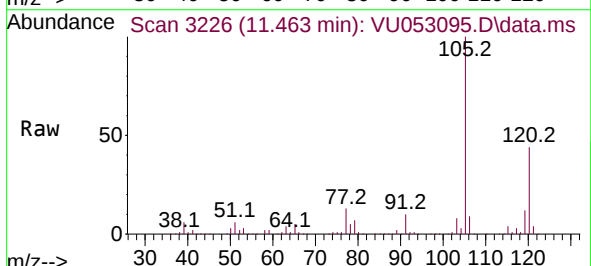
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

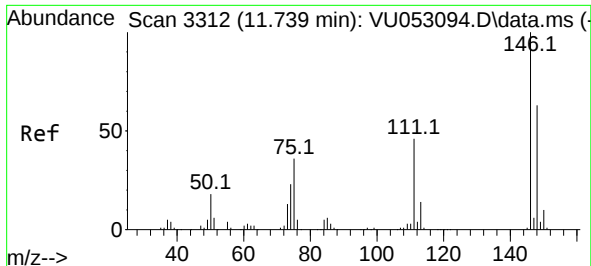
Tgt Ion:105 Resp: 847795  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.2 55.8



#63  
1,2,4-Trimethylbenzene  
Concen: 109.929 ug/L  
RT: 11.463 min Scan# 3226  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion:105 Resp: 818409  
Ion Ratio Lower Upper  
105 100  
120 43.7 35.4 53.2

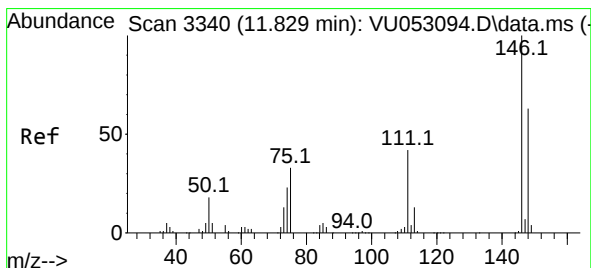
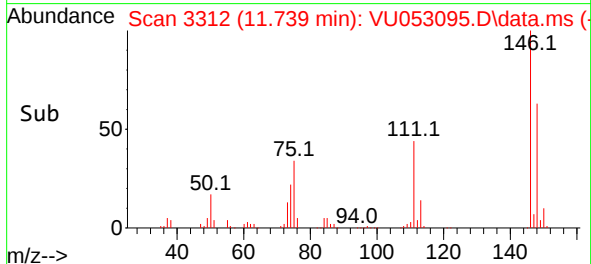
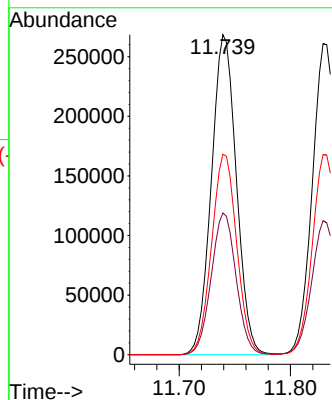
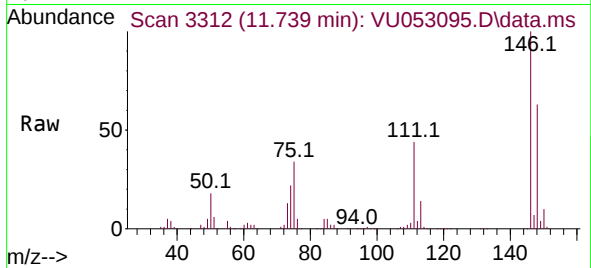




#64  
1,3-Dichlorobenzene  
Concen: 108.320 ug/L  
RT: 11.739 min Scan# 3312  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

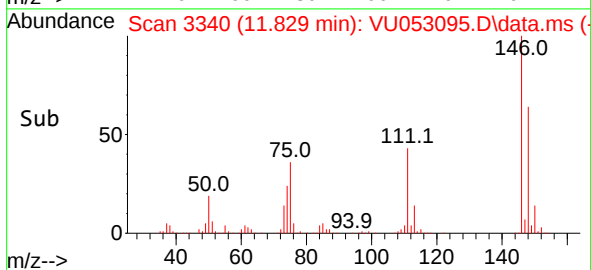
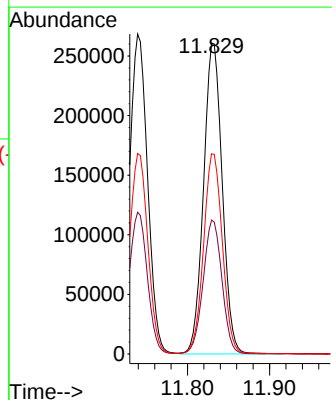
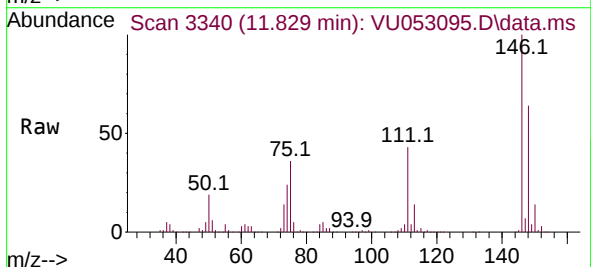
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

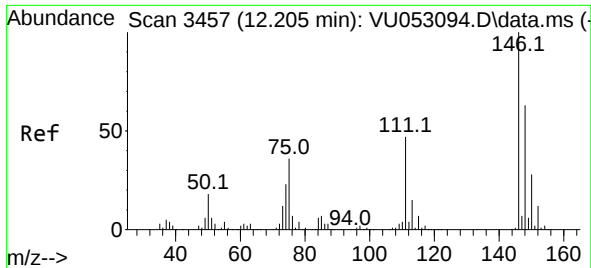
Tgt Ion:146 Resp: 418055  
Ion Ratio Lower Upper  
146 100  
111 44.3 32.1 59.5  
148 62.6 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 106.122 ug/L  
RT: 11.829 min Scan# 3340  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion:146 Resp: 413765  
Ion Ratio Lower Upper  
146 100  
111 43.1 29.9 55.5  
148 64.4 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 106.235 ug/L

RT: 12.205 min Scan# 3457

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

Instrument :

MSVOA\_U

ClientSampleId :

VSTD100002

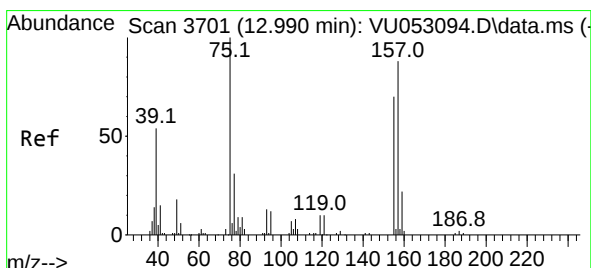
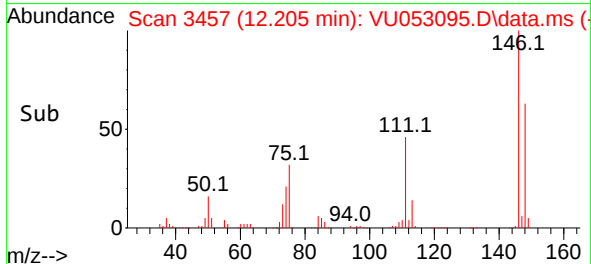
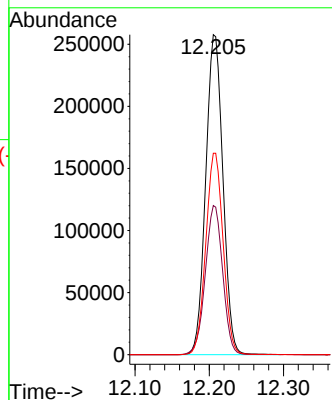
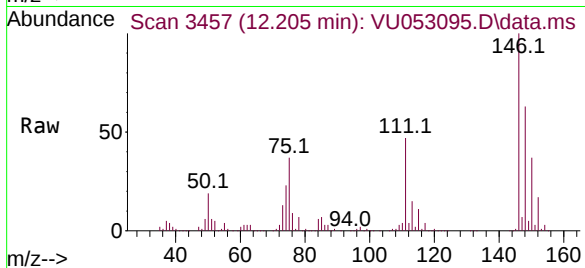
Tgt Ion:146 Resp: 414172

Ion Ratio Lower Upper

146 100

111 46.6 37.8 56.6

148 63.0 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 119.664 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. 0.000 min

Lab File: VU053095.D

Acq: 14 Feb 2023 13:31

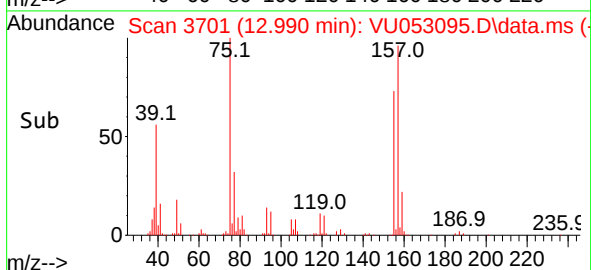
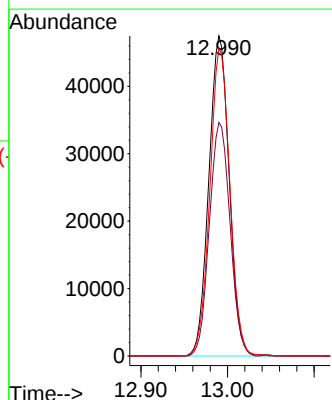
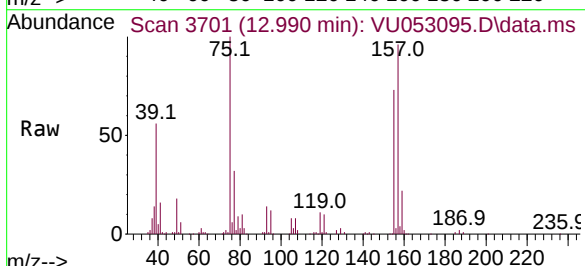
Tgt Ion: 75 Resp: 77403

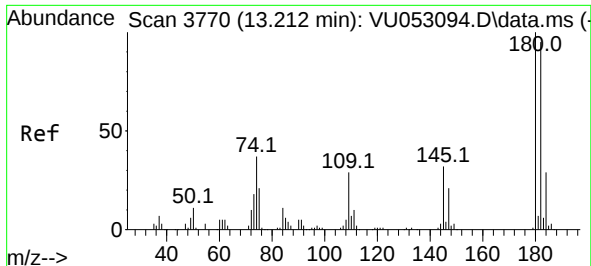
Ion Ratio Lower Upper

75 100

155 73.0 55.8 83.6

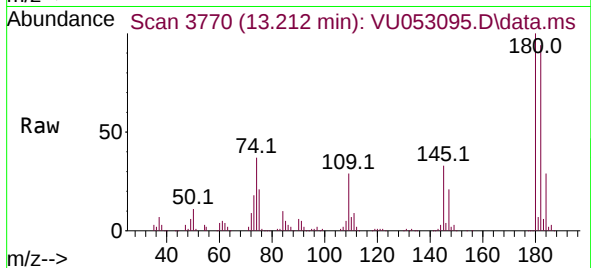
157 96.1 70.7 106.1



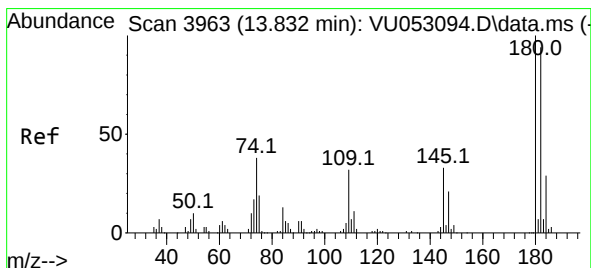
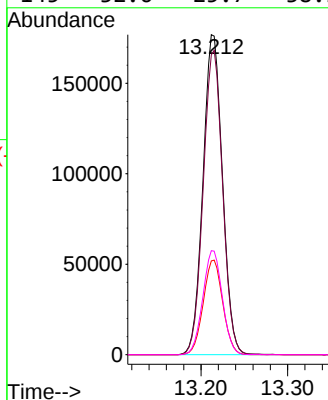
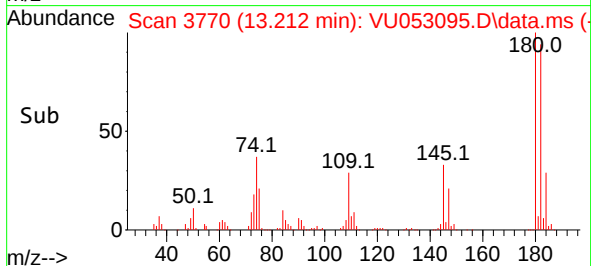


#69  
 1,3,5-Trichlorobenzene  
 Concen: 95.337 ug/L  
 RT: 13.212 min Scan# 3770  
 Delta R.T. 0.000 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31

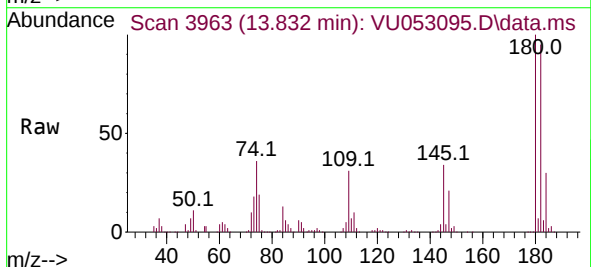
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100002



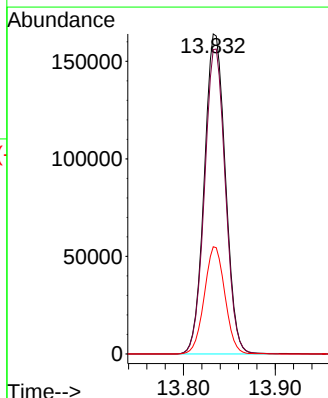
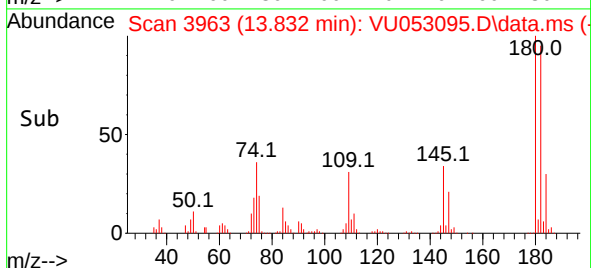
Tgt Ion:180 Resp: 276199  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 76.9 115.3  
 184 29.6 23.7 35.5  
 145 32.6 25.7 38.5

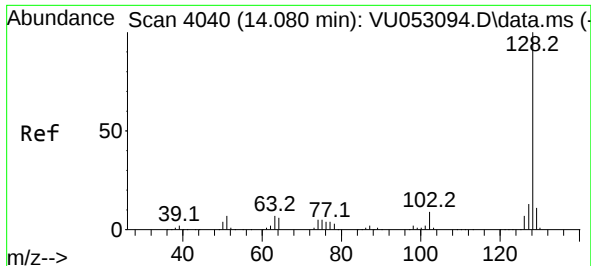


#70  
 1,2,4-trichlorobenzene  
 Concen: 100.431 ug/L  
 RT: 13.832 min Scan# 3963  
 Delta R.T. 0.000 min  
 Lab File: VU053095.D  
 Acq: 14 Feb 2023 13:31



Tgt Ion:180 Resp: 262094  
 Ion Ratio Lower Upper  
 180 100  
 182 94.3 76.4 114.6  
 145 32.7 26.8 40.2

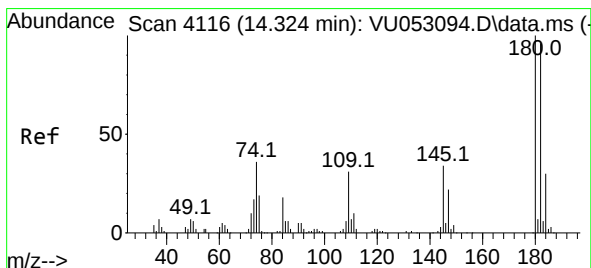
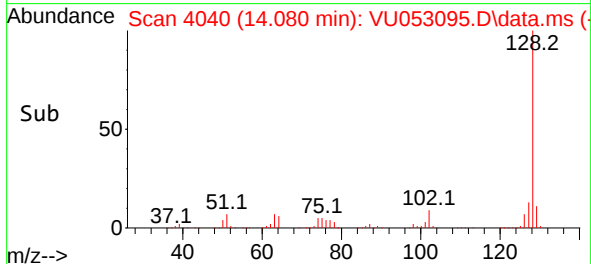
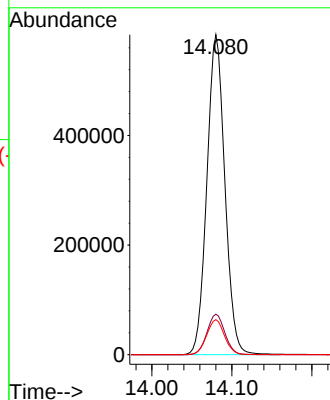
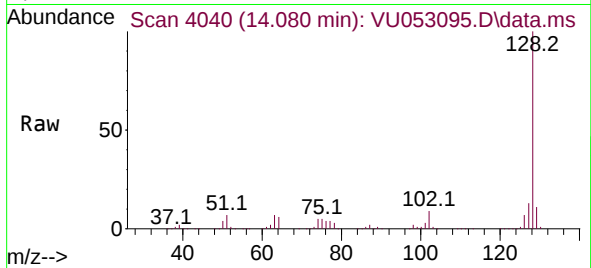




#71  
Naphthalene  
Concen: 114.068 ug/L  
RT: 14.080 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD100002

Tgt Ion:128 Resp: 914065  
Ion Ratio Lower Upper  
128 100  
127 12.6 9.9 14.9  
129 10.9 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 100.247 ug/L  
RT: 14.324 min Scan# 4116  
Delta R.T. 0.000 min  
Lab File: VU053095.D  
Acq: 14 Feb 2023 13:31

Tgt Ion:180 Resp: 256645  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.4 113.2  
145 35.3 28.2 42.2

