

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU010722\  
 Data File : VU046693.D  
 Acq On : 07 Jan 2022 11:32  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050156

Quant Time: Jan 07 23:08:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM010522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 06 02:54:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 117600   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 117638   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152   | 64531    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 46133    | 44.955   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.900%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 36855    | 48.344   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 96.680%  |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 80993    | 46.404   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.800%  |
| 21) 2-Butanone-d5             | 4.655   | 46    | 90331    | 120.269  | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 120.270% |
| 24) Chloroform-d              | 5.070   | 84    | 92997    | 51.406   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.820% |
| 26) 1,2-Dichloroethane-d4     | 5.707   | 65    | 62230    | 54.239   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 108.480% |
| 32) Benzene-d6                | 5.732   | 84    | 182080   | 49.597   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 55714    | 49.738   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 99.480%  |
| 41) Toluene-d8                | 7.899   | 98    | 167830   | 51.137   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.280% |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 28281    | 52.406   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 104.820% |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 71185    | 119.622  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 119.620% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 95679    | 55.151   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 110.300% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 68765    | 51.498   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 103.000% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388   | 85    | 47055    | 43.434   | ug/L   | 99       |
| 3) Chloromethane              | 1.523   | 50    | 42822    | 44.416   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607   | 62    | 44565    | 44.597   | ug/L   | 99       |
| 6) Bromomethane               | 1.864   | 94    | 28510    | 45.037   | ug/L   | 100      |
| 8) Chloroethane               | 1.941   | 64    | 27632    | 45.686   | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 2.144   | 101   | 65920    | 44.818   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588   | 101   | 38050    | 45.999   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.588   | 96    | 34156    | 43.851   | ug/L   | 98       |
| 13) Acetone                   | 2.674   | 43    | 22782    | 31.872   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.800   | 76    | 98807    | 42.675   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.964   | 43    | 46029    | 50.417   | ug/L   | 99       |
| 16) Methylene chloride        | 3.054   | 84    | 41350    | 43.096   | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 36739    | 45.115   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.369   | 73    | 113811   | 47.039   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.877   | 63    | 67052    | 45.147   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.674   | 96    | 40979    | 46.953   | ug/L   | 93       |
| 23) Bromochloromethane        | 4.983   | 128   | 22033    | 47.228   | ug/L   | 96       |
| 25) Chloroform                | 5.092   | 83    | 75114    | 46.303   | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.800   | 62    | 59389    | 47.650   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU010722\  
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 Acq On : 07 Jan 2022 11:32  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

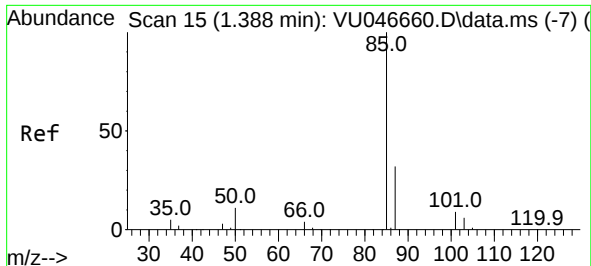
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050156

Quant Time: Jan 07 23:08:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM010522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 06 02:54:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 29) Cyclohexane               | 5.395  | 56   | 52470    | 41.959  | ug/L  | 95       |
| 30) 1,1,1-Trichloroethane     | 5.321  | 97   | 63874    | 44.387  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 55285    | 44.351  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 158544   | 45.310  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 39717    | 43.275  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.768  | 83   | 61798    | 43.360  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 40655    | 45.406  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 55252    | 44.872  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 61574    | 44.691  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 119621   | 97.727  | ug/L  | 99       |
| 42) Toluene                   | 7.973  | 91   | 171301   | 46.419  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 62563    | 46.806  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 42977    | 46.977  | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.555  | 164  | 31547    | 45.304  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 106624   | 102.772 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 45610    | 45.394  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 45025    | 47.216  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.449  | 112  | 110616   | 46.116  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.575  | 91   | 180638   | 46.140  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.697  | 106  | 72716    | 48.092  | ug/L  | 98       |
| 54) o-xylene                  | 10.102 | 106  | 69419    | 48.012  | ug/L  | 100      |
| 55) Styrene                   | 10.115 | 104  | 125473   | 49.590  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 77293    | 48.308  | ug/L  | 98       |
| 59) Bromoform                 | 10.295 | 173  | 35624    | 45.429  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 62957    | 46.362  | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.488 | 105  | 182824   | 46.380  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 150495   | 45.417  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 155185   | 47.002  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 91986    | 46.557  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 94846    | 46.071  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 90449    | 45.548  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 17857    | 43.929  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 69568    | 45.972  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 58849    | 45.493  | ug/L  | 100      |
| 71) Naphthalene               | 14.089 | 128  | 195399   | 46.444  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 61747    | 47.239  | ug/L  | 99       |

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

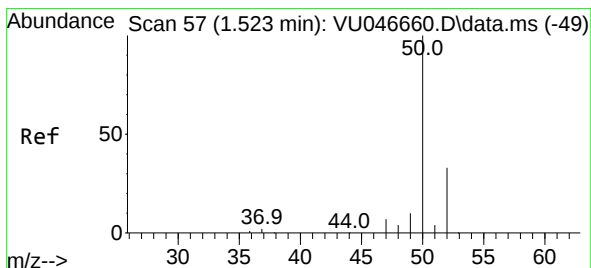
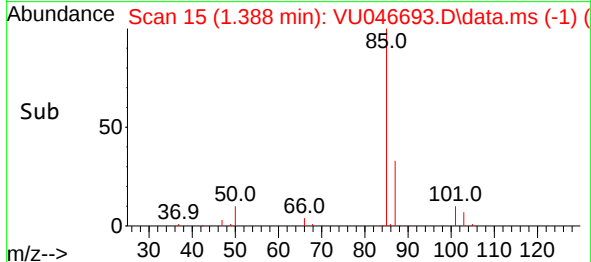
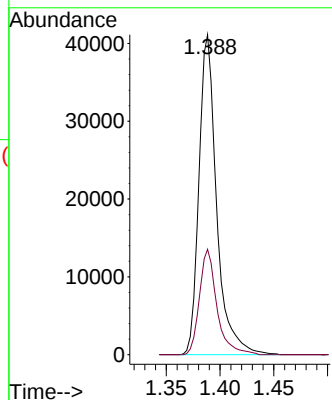
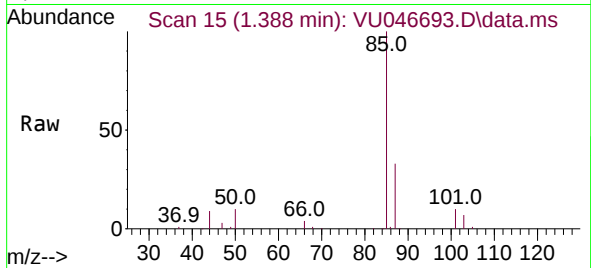




#2  
Dichlorodifluoromethane  
Concen: 43.434 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

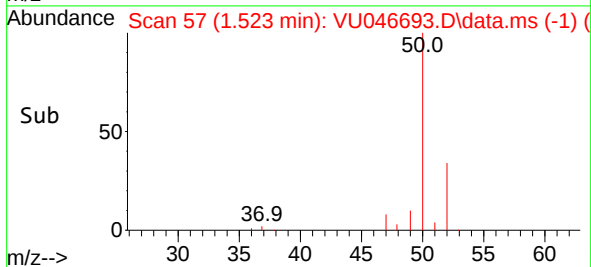
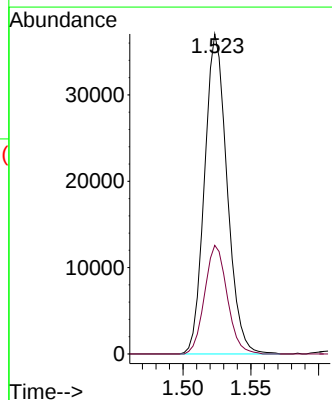
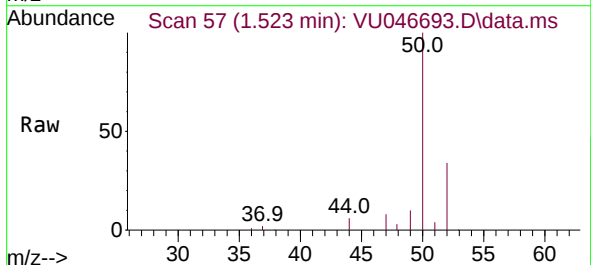
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

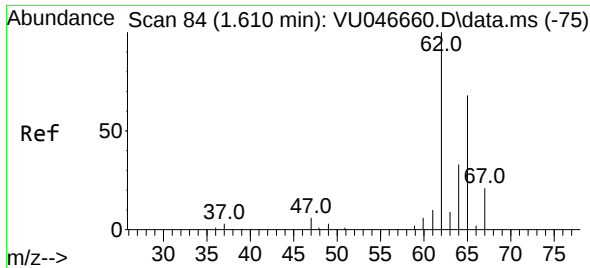
Tgt Ion: 85 Resp: 47055  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.6 38.4



#3  
Chloromethane  
Concen: 44.416 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 50 Resp: 42822  
Ion Ratio Lower Upper  
50 100  
52 34.0 23.2 43.2

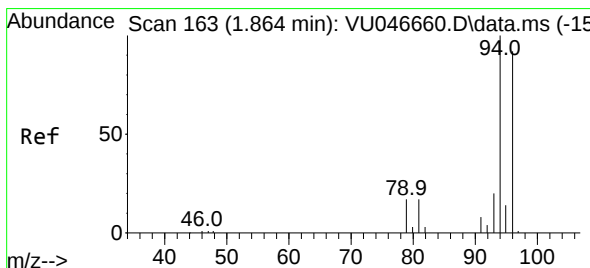
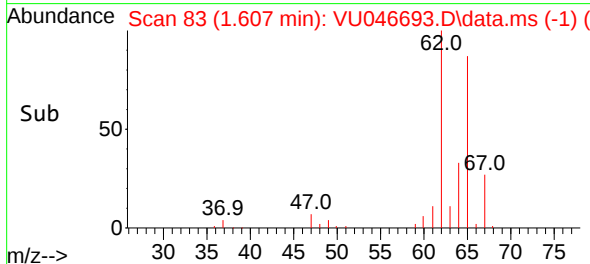
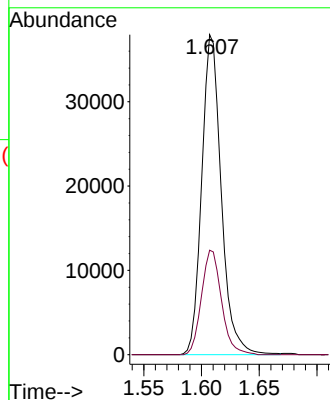
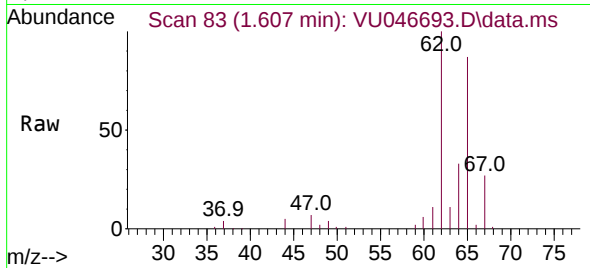




#5  
 Vinyl chloride  
 Concen: 44.597 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU046693.D  
 Acq: 07 Jan 2022 11:32

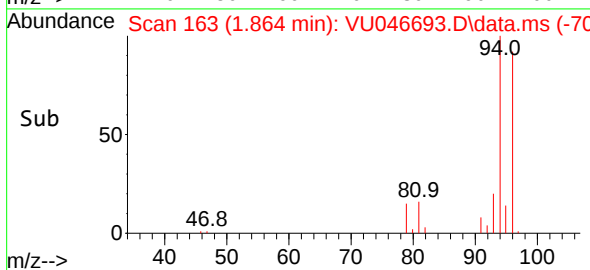
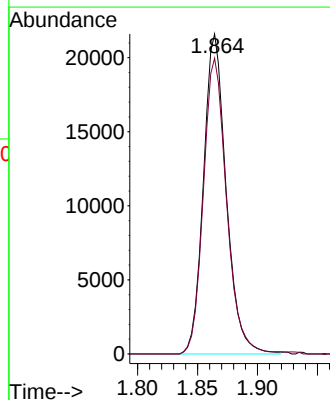
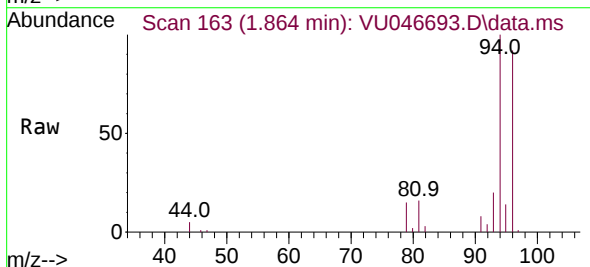
Instrument :  
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 ClientSampleId :  
 VSTD050156

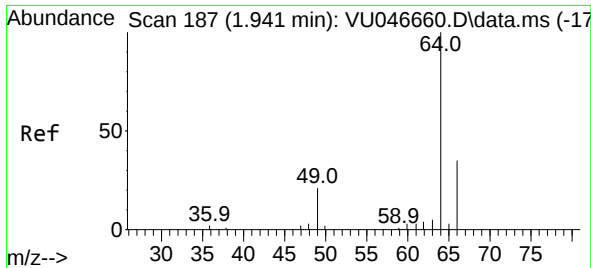
Tgt Ion: 62 Resp: 44565  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.1 42.9



#6  
 Bromomethane  
 Concen: 45.037 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. 0.000 min  
 Lab File: VU046693.D  
 Acq: 07 Jan 2022 11:32

Tgt Ion: 94 Resp: 28510  
 Ion Ratio Lower Upper  
 94 100  
 96 92.4 64.4 119.6

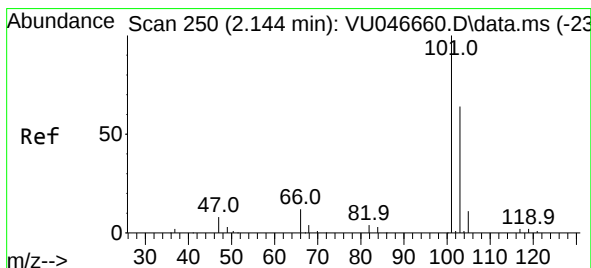
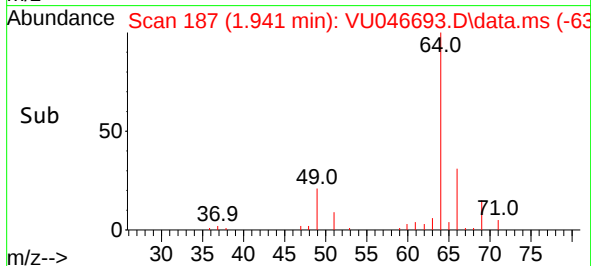
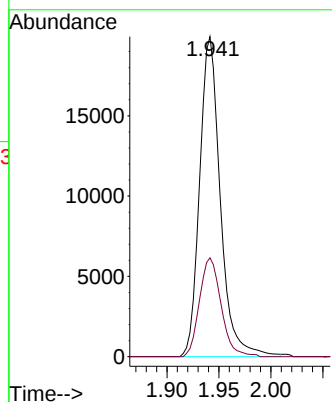
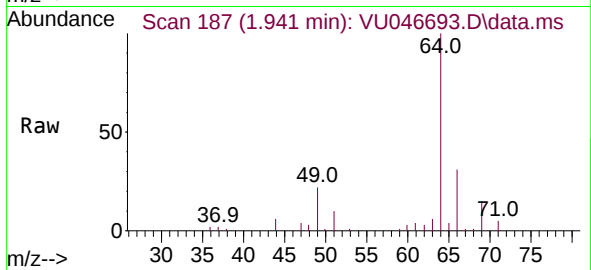




#8  
Chloroethane  
Concen: 45.686 ug/L  
RT: 1.941 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

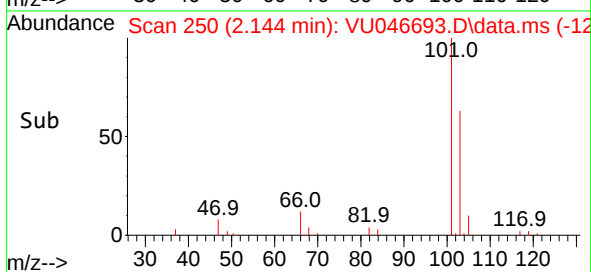
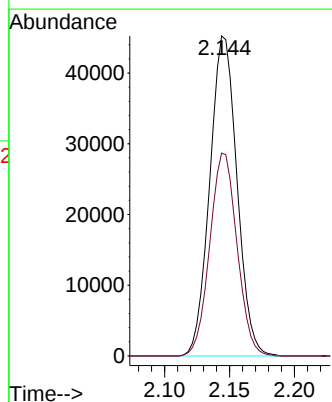
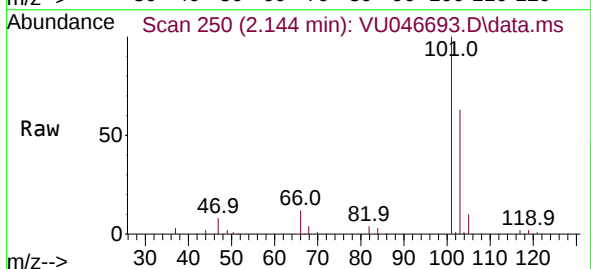
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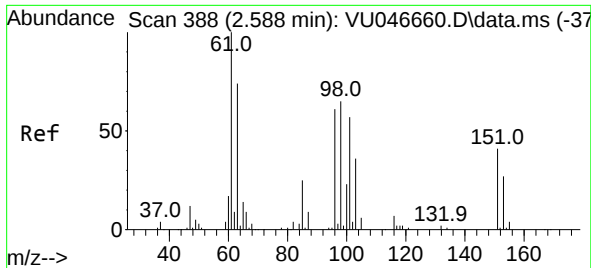
Tgt Ion: 64 Resp: 27632  
Ion Ratio Lower Upper  
64 100  
66 30.9 24.4 45.2



#9  
Trichlorofluoromethane  
Concen: 44.818 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion:101 Resp: 65920  
Ion Ratio Lower Upper  
101 100  
103 63.4 52.0 78.0

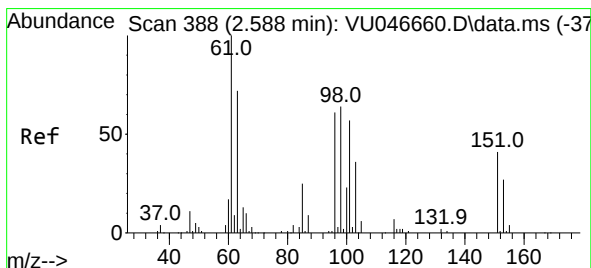
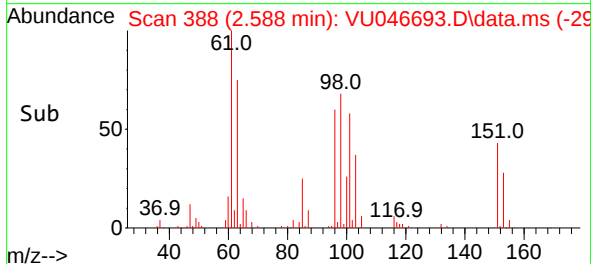
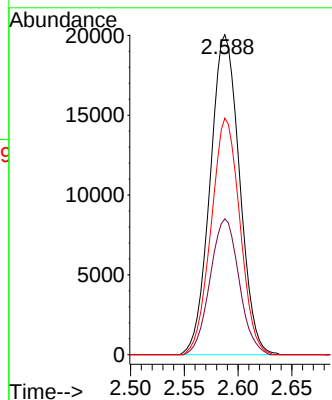
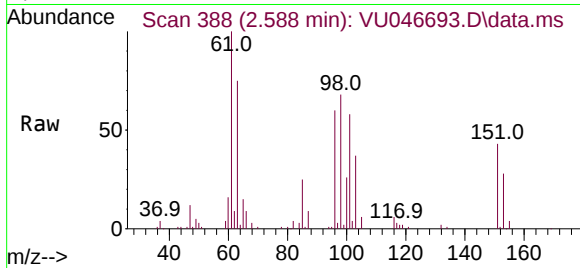




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 45.999 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. 0.000 min  
 Lab File: VU046693.D  
 Acq: 07 Jan 2022 11:32

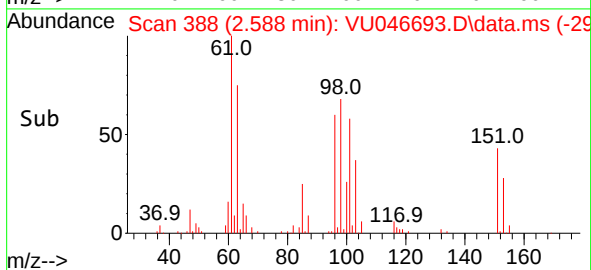
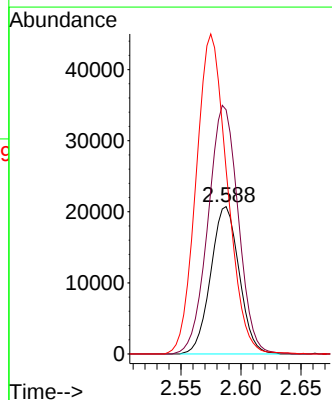
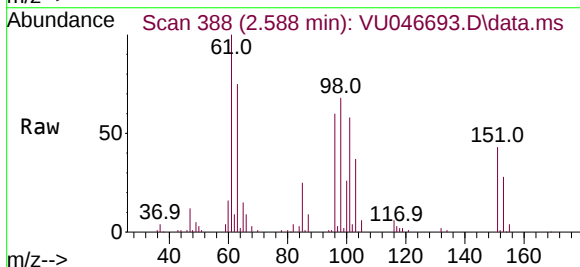
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050156

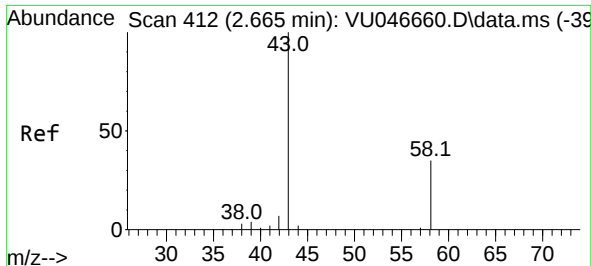
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 Ion Ratio Lower Upper  
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 85 42.0 34.9 52.3  
 151 72.5 58.3 87.5



#12  
 1,1-Dichloroethene  
 Concen: 43.851 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. 0.000 min  
 Lab File: VU046693.D  
 Acq: 07 Jan 2022 11:32

Tgt Ion: 96 Resp: 34156  
 Ion Ratio Lower Upper  
 96 100  
 61 165.7 114.9 213.3  
 63 125.1 86.0 159.8





#13

Acetone

Concen: 31.872 ug/L

RT: 2.674 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

Instrument :

MSVOA\_U

ClientSampleId :

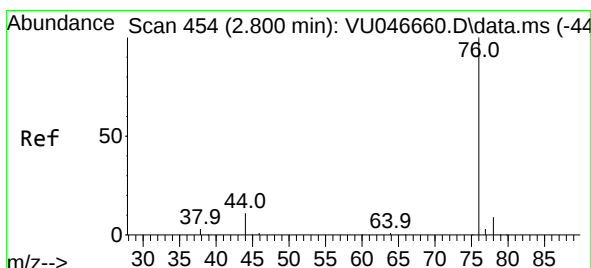
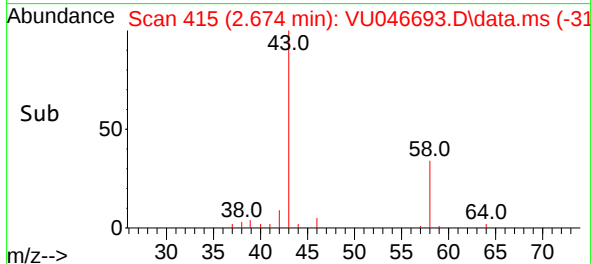
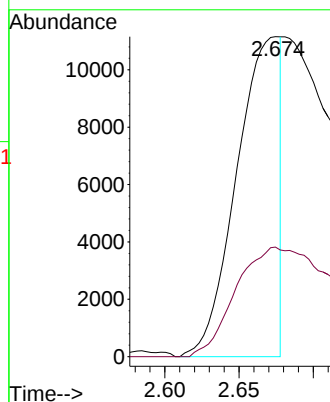
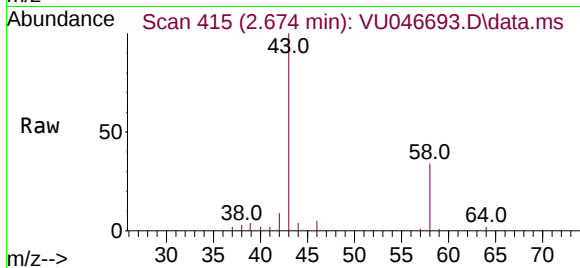
VSTD050156

Tgt Ion: 43 Resp: 22782

Ion Ratio Lower Upper

43 100

58 38.2 0.0 71.0



#14

Carbon disulfide

Concen: 42.675 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046693.D

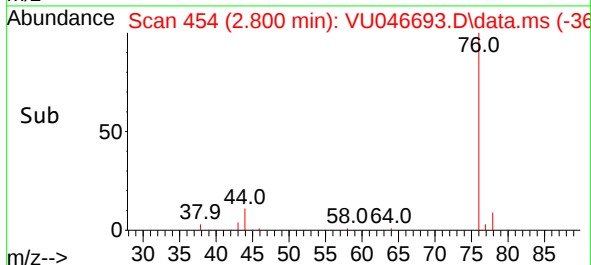
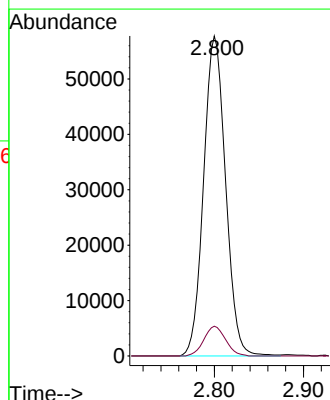
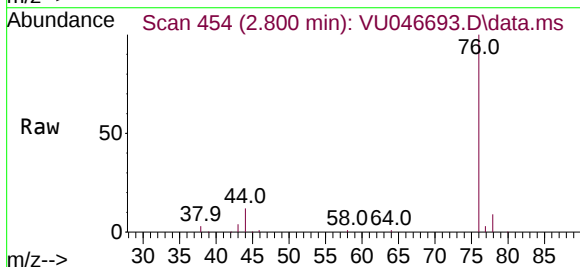
Acq: 07 Jan 2022 11:32

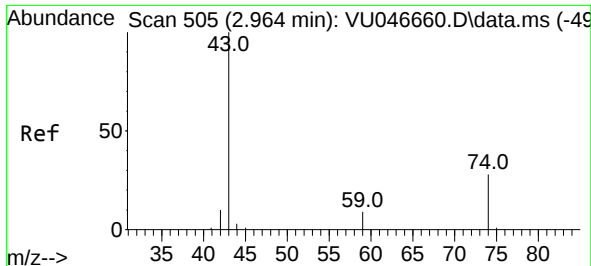
Tgt Ion: 76 Resp: 98807

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

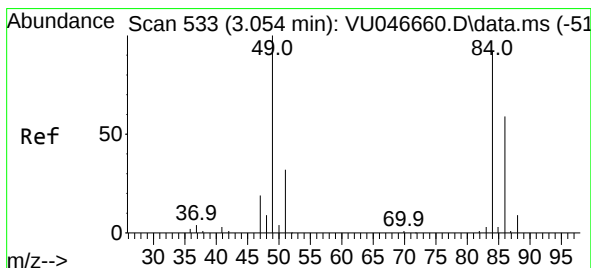
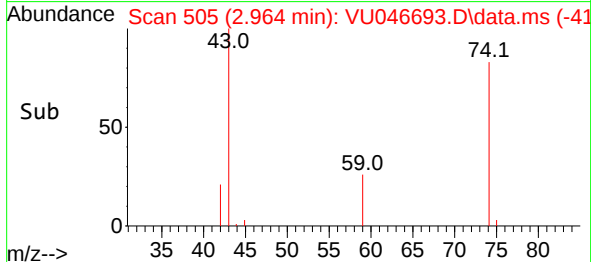
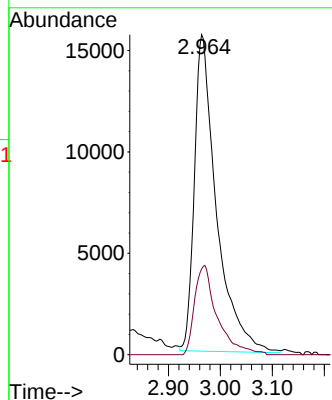
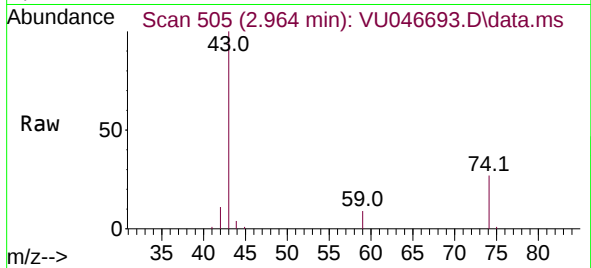




#15  
Methyl Acetate  
Concen: 50.417 ug/L  
RT: 2.964 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

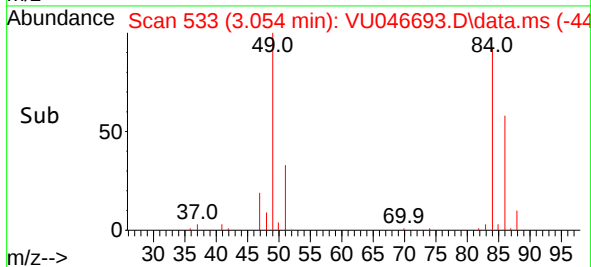
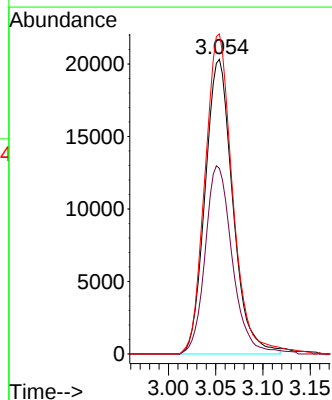
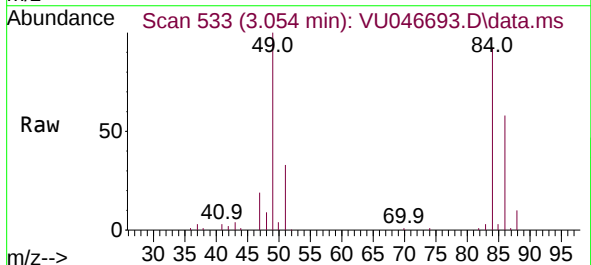
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

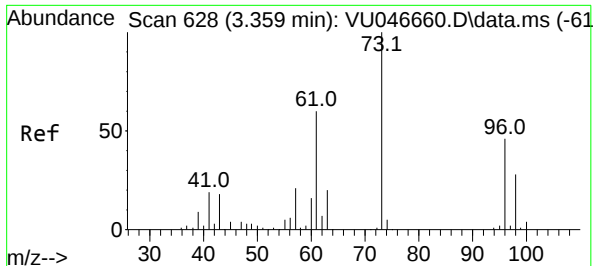
Tgt Ion: 43 Resp: 46029  
Ion Ratio Lower Upper  
43 100  
74 28.6 22.3 33.5



#16  
Methylene chloride  
Concen: 43.096 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 84 Resp: 41350  
Ion Ratio Lower Upper  
84 100  
86 63.0 44.7 82.9  
49 108.6 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 45.115 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050156

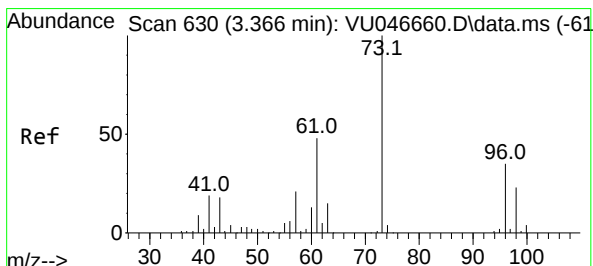
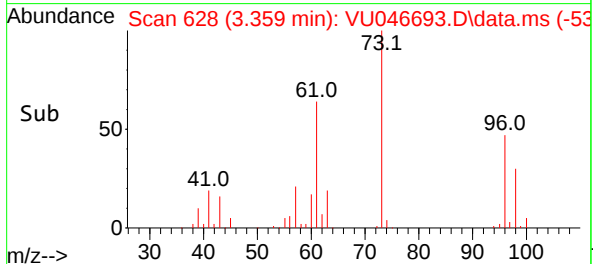
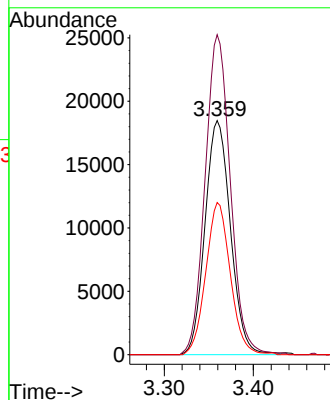
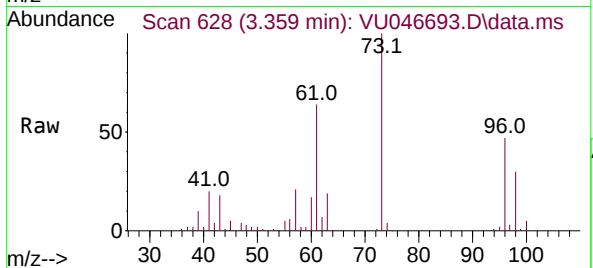
Tgt Ion: 96 Resp: 36739

Ion Ratio Lower Upper

96 100

61 136.7 92.5 171.9

98 65.0 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 47.039 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

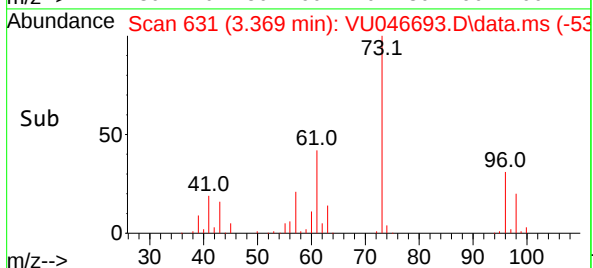
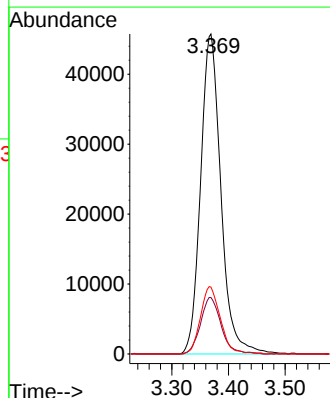
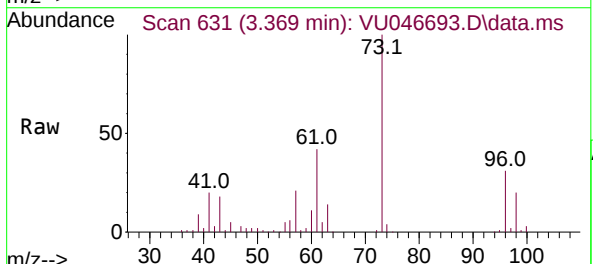
Tgt Ion: 73 Resp: 113811

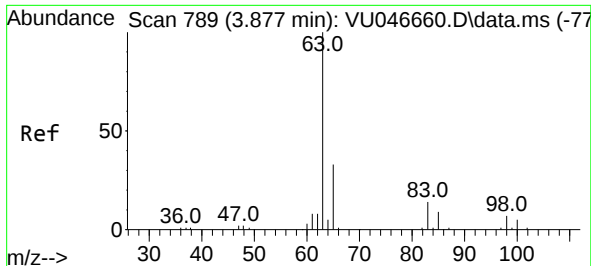
Ion Ratio Lower Upper

73 100

43 17.9 14.1 21.1

57 20.4 16.4 24.6





#19

1,1-Dichloroethane

Concen: 45.147 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050156

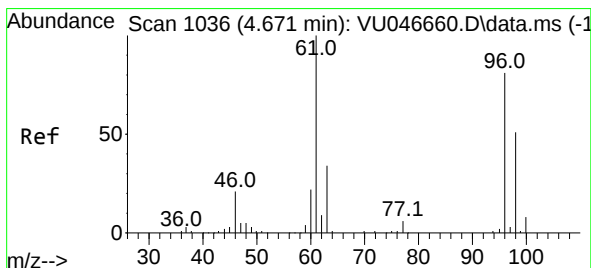
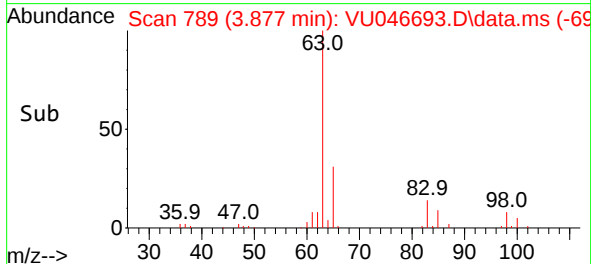
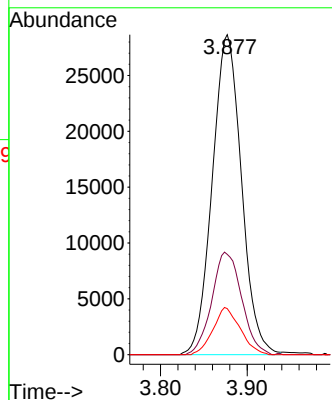
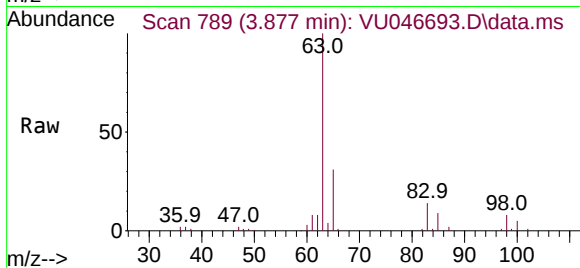
Tgt Ion: 63 Resp: 67052

Ion Ratio Lower Upper

63 100

65 31.4 22.8 42.4

83 14.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 46.953 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

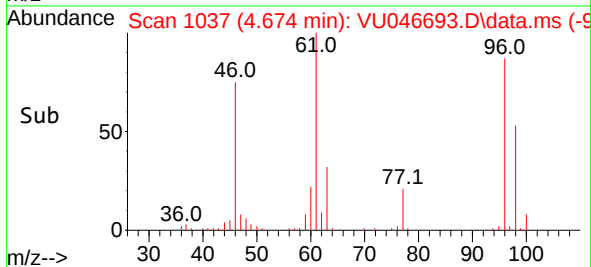
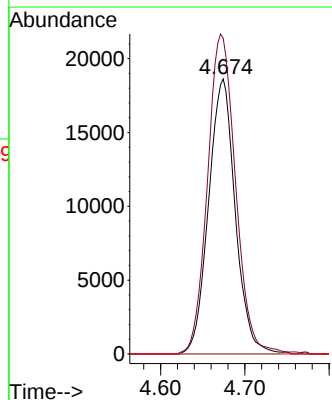
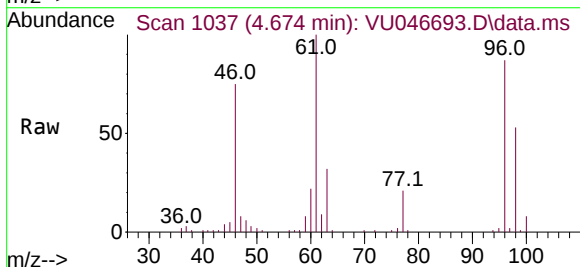
Tgt Ion: 96 Resp: 40979

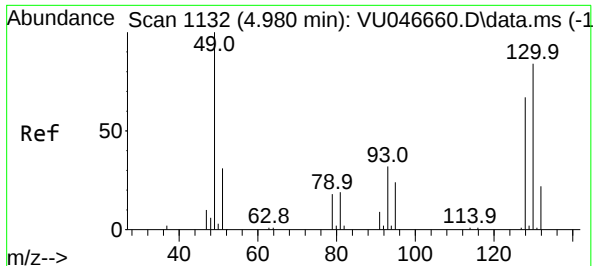
Ion Ratio Lower Upper

96 100

61 114.8 86.0 159.6

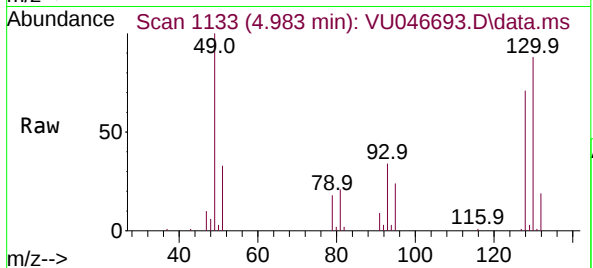
68 0.0 0.0 0.0



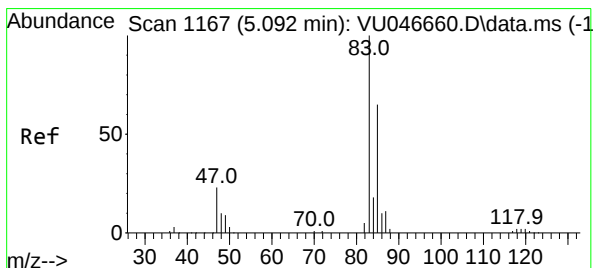
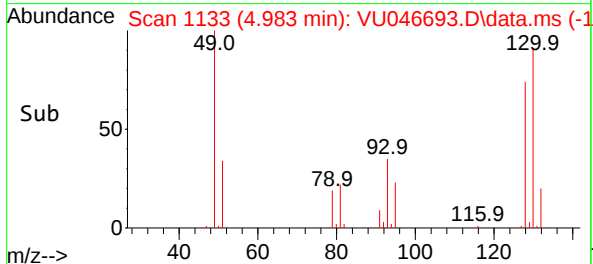
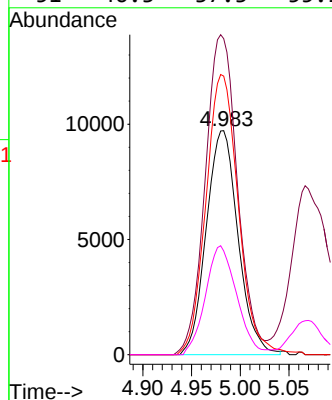


#23  
Bromochloromethane  
Concen: 47.228 ug/L  
RT: 4.983 min Scan# 1133  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

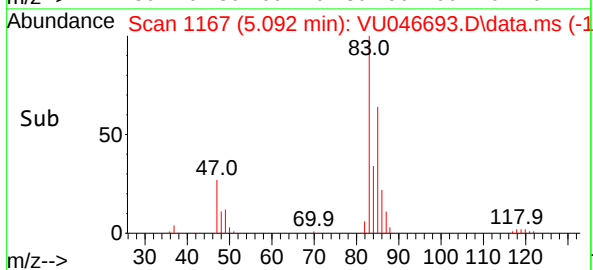
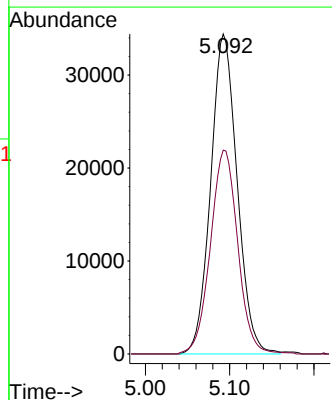
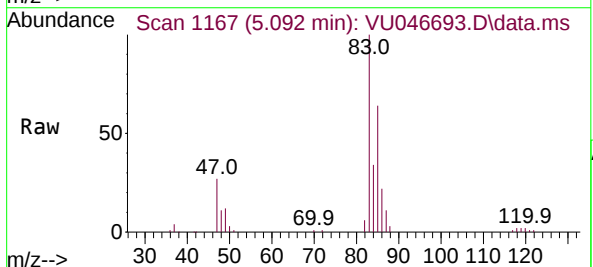


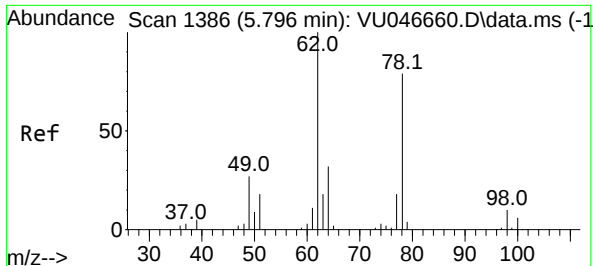
Tgt Ion:128 Resp: 22033  
Ion Ratio Lower Upper  
128 100  
49 141.1 105.4 195.8  
130 124.4 88.7 164.7  
51 46.3 37.3 55.9



#25  
Chloroform  
Concen: 46.303 ug/L  
RT: 5.092 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 83 Resp: 75114  
Ion Ratio Lower Upper  
83 100  
85 63.7 45.7 84.9





#27

1,2-Dichloroethane

Concen: 47.650 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

Instrument :

MSVOA\_U

ClientSampleId :

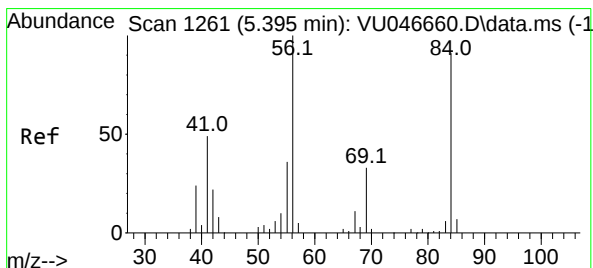
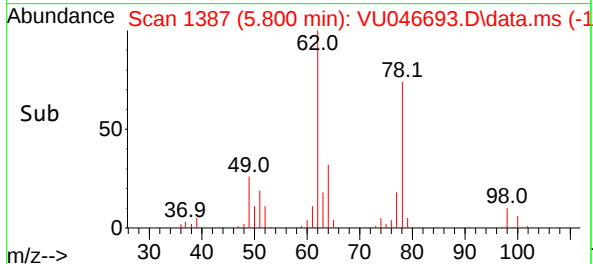
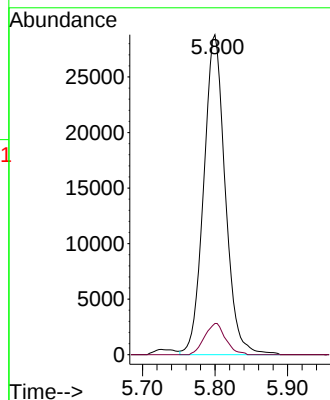
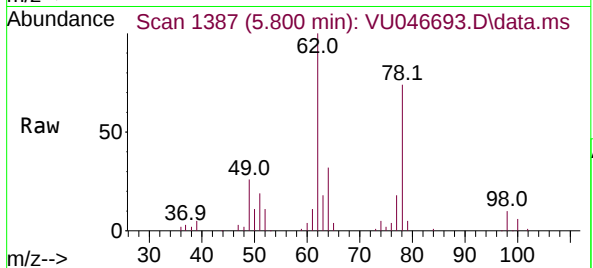
VSTD050156

Tgt Ion: 62 Resp: 59389

Ion Ratio Lower Upper

62 100

98 9.8 7.7 11.5



#29

Cyclohexane

Concen: 41.959 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

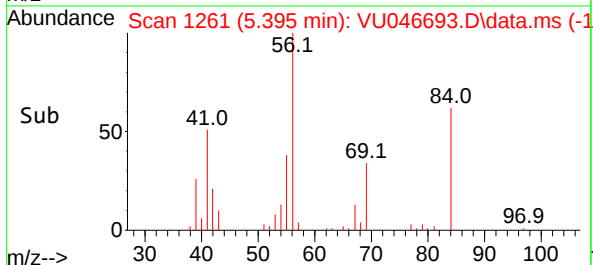
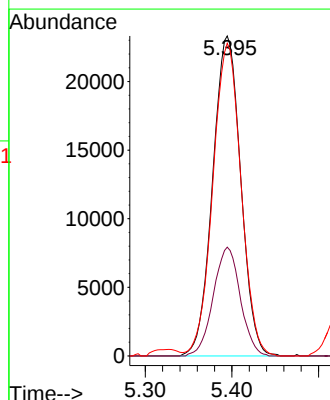
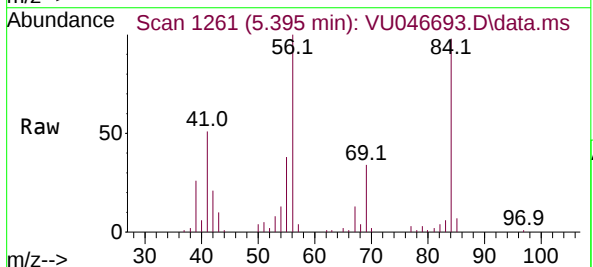
Tgt Ion: 56 Resp: 52470

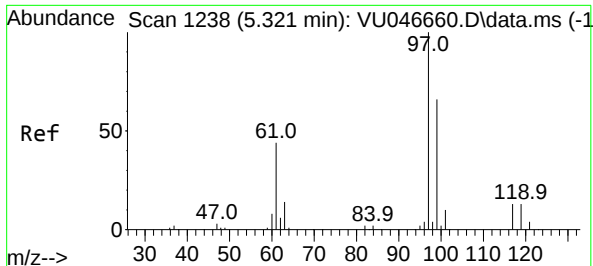
Ion Ratio Lower Upper

56 100

69 32.7 25.8 38.6

84 98.2 74.2 111.2





#30

1,1,1-Trichloroethane

Concen: 44.387 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050156

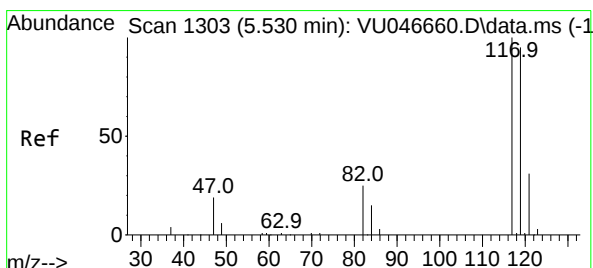
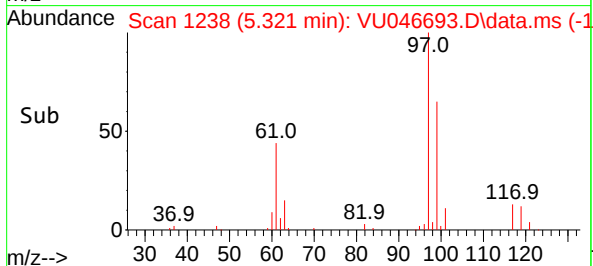
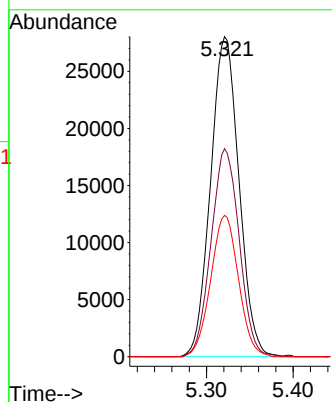
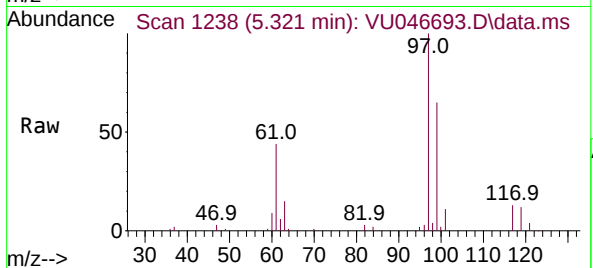
Tgt Ion: 97 Resp: 63874

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 43.3 34.1 51.1



#31

Carbon tetrachloride

Concen: 44.351 ug/L

RT: 5.530 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VU046693.D

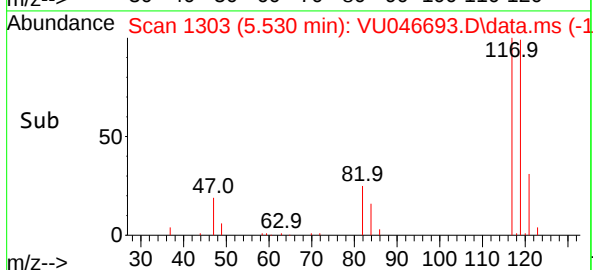
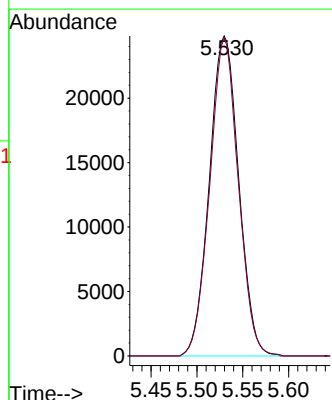
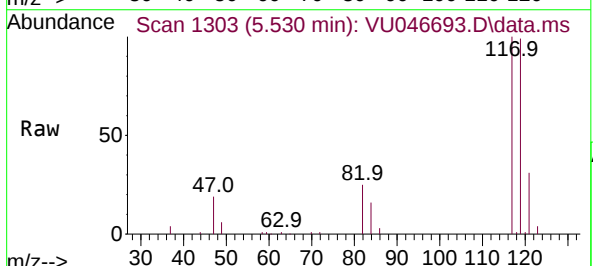
Acq: 07 Jan 2022 11:32

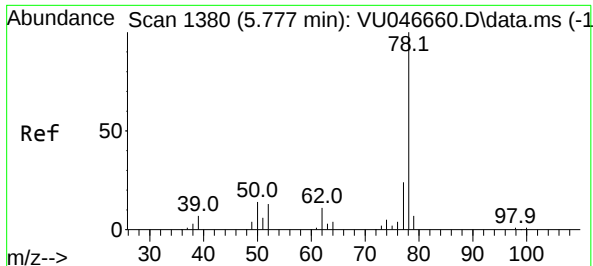
Tgt Ion: 117 Resp: 55285

Ion Ratio Lower Upper

117 100

119 96.3 77.5 116.3

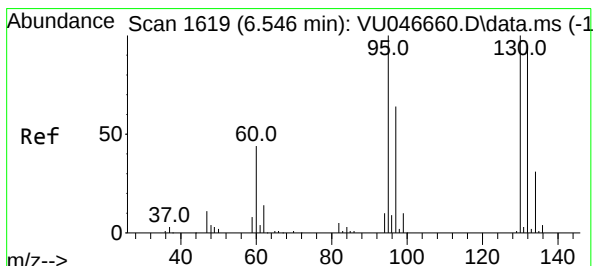
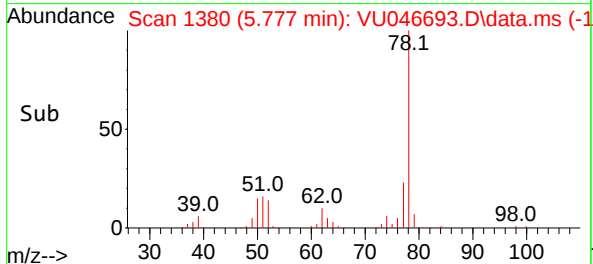
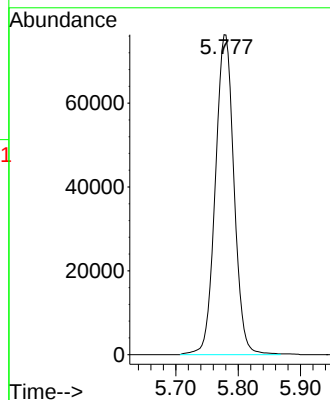
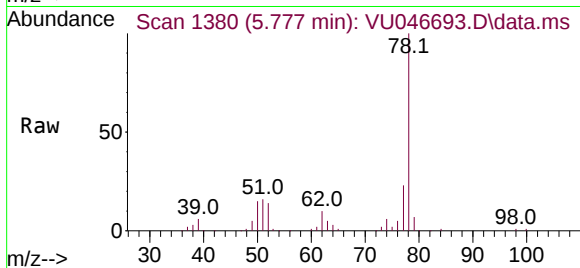




#33  
Benzene  
Concen: 45.310 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

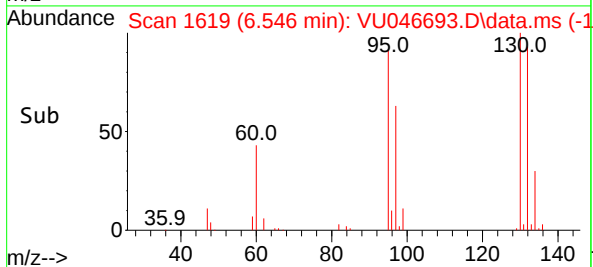
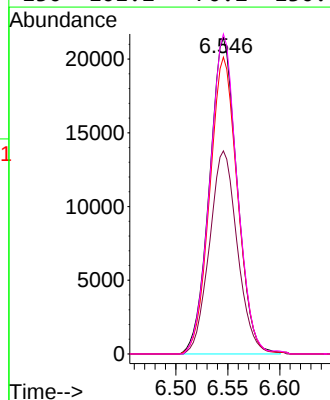
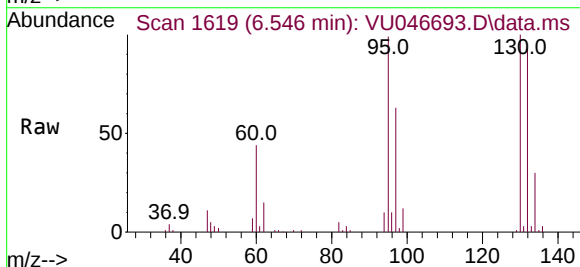
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

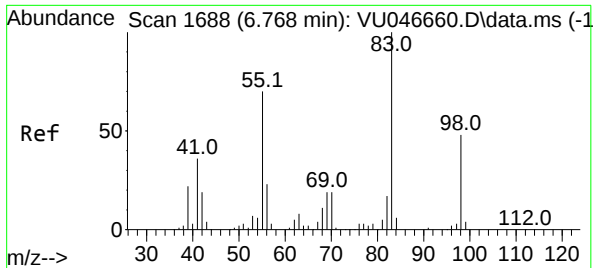
Tgt Ion: 78 Resp: 158544



#34  
Trichloroethene  
Concen: 43.275 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 95 Resp: 39717  
Ion Ratio Lower Upper  
95 100  
97 64.2 45.1 83.7  
132 93.8 66.7 123.9  
130 101.2 70.2 130.4

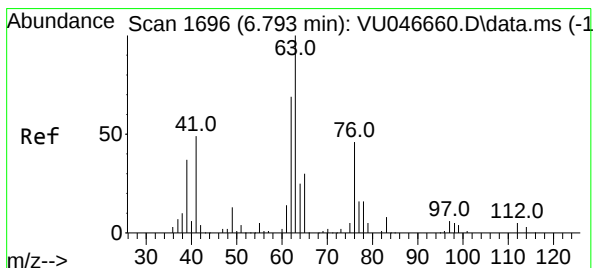
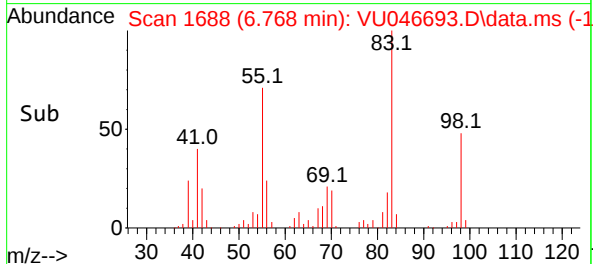
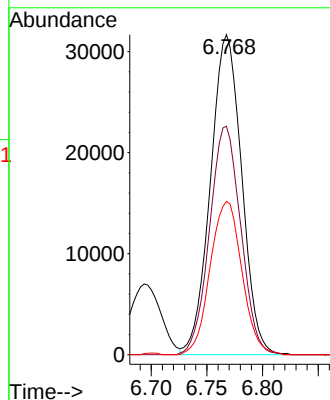
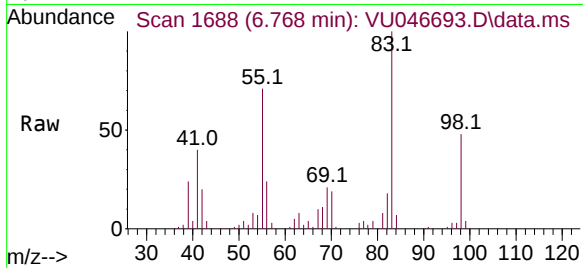




#35  
Methylcyclohexane  
Concen: 43.360 ug/L  
RT: 6.768 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

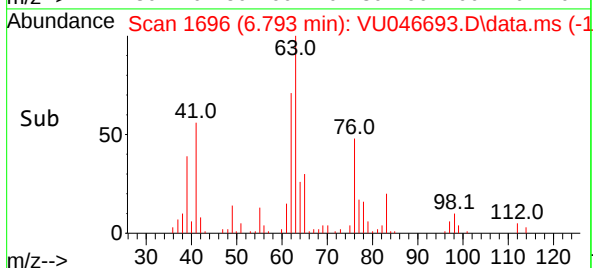
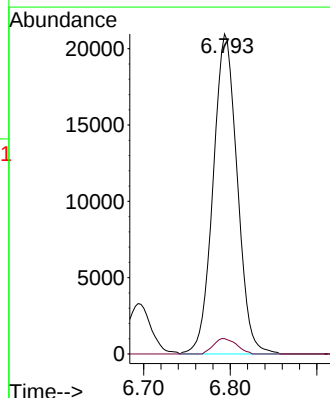
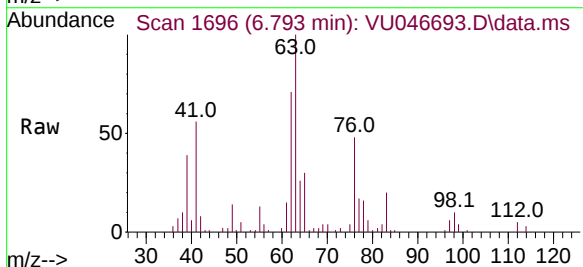
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

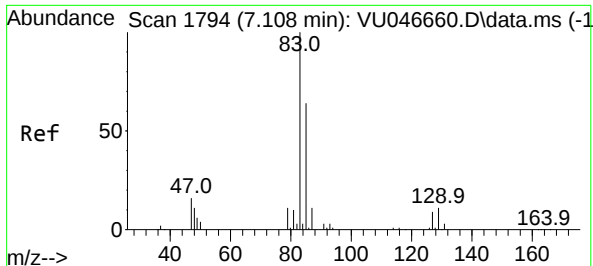
Tgt Ion: 83 Resp: 61798  
Ion Ratio Lower Upper  
83 100  
55 71.3 56.6 85.0  
98 48.7 38.4 57.6



#37  
1,2-Dichloropropane  
Concen: 45.406 ug/L  
RT: 6.793 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 63 Resp: 40655  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.7 5.5

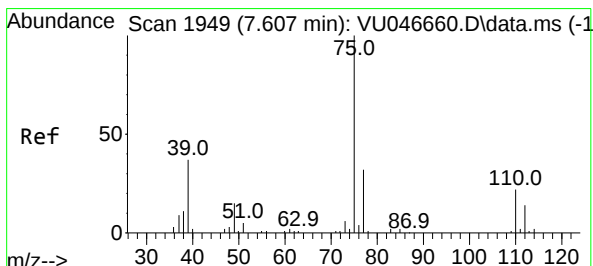
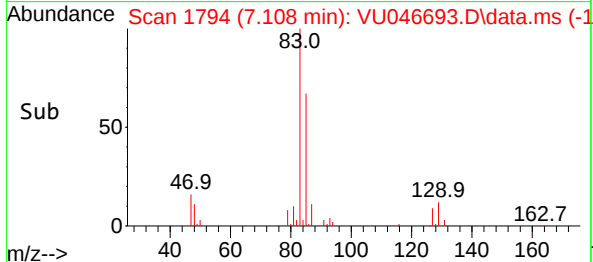
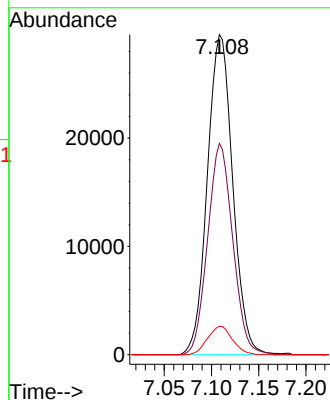
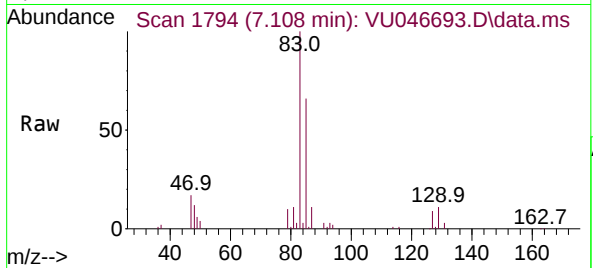




#38  
Bromodichloromethane  
Concen: 44.872 ug/L  
RT: 7.108 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

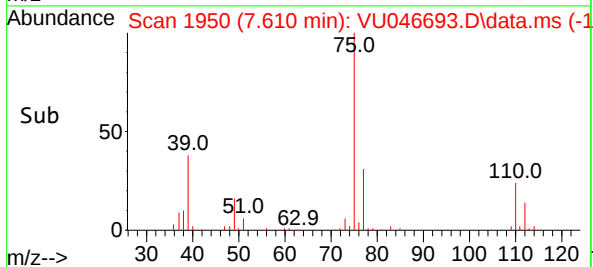
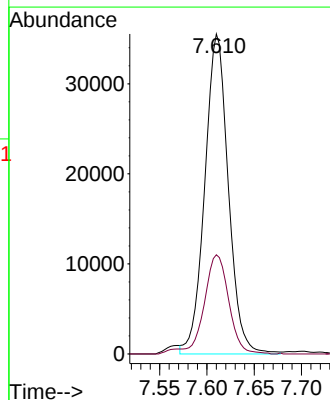
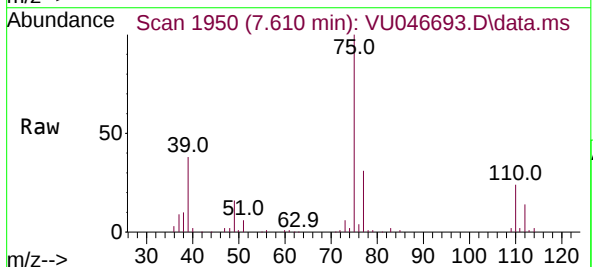
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

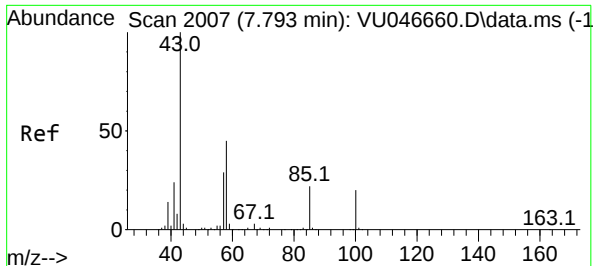
Tgt Ion: 83 Resp: 55252  
Ion Ratio Lower Upper  
83 100  
85 66.0 45.0 83.6  
127 8.9 7.3 10.9



#39  
cis-1,3-Dichloropropene  
Concen: 44.691 ug/L  
RT: 7.610 min Scan# 1950  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 75 Resp: 61574  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.3 41.3





#40

4-Methyl-2-pentanone

Concen: 97.727 ug/L

RT: 7.796 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050156

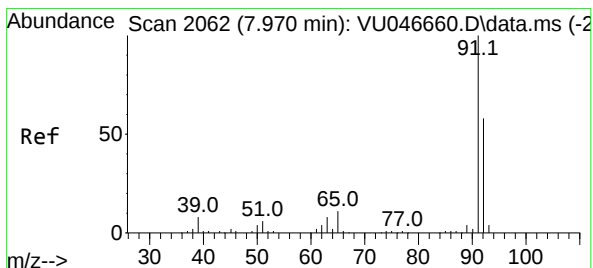
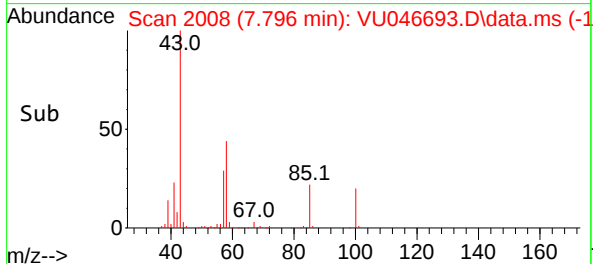
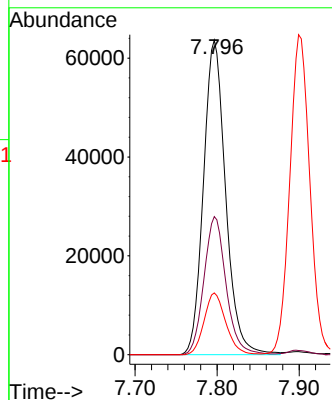
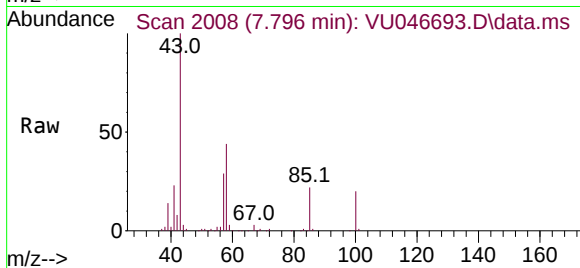
Tgt Ion: 43 Resp: 119621

Ion Ratio Lower Upper

43 100

58 43.8 35.8 53.8

100 19.2 15.7 23.5



#42

Toluene

Concen: 46.419 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VU046693.D

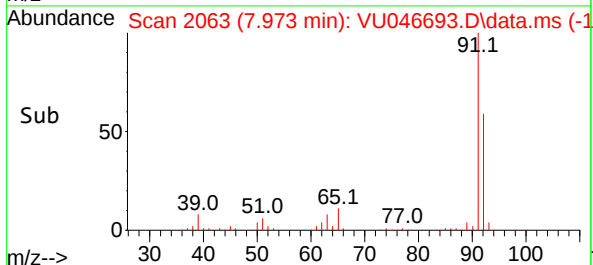
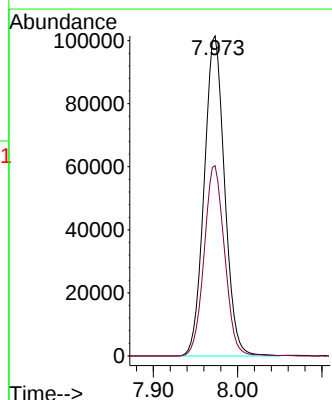
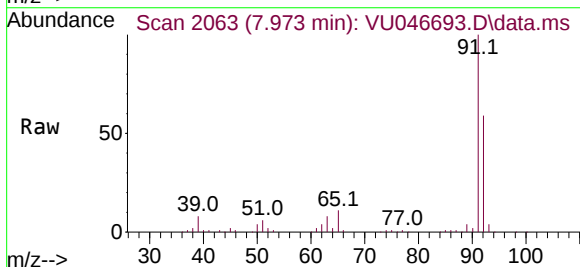
Acq: 07 Jan 2022 11:32

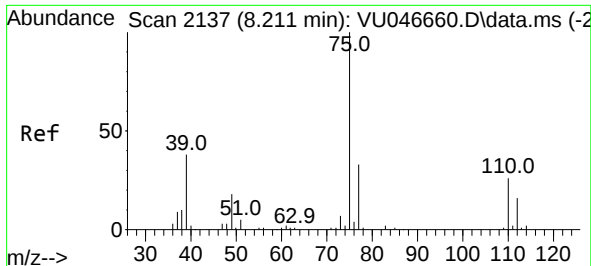
Tgt Ion: 91 Resp: 171301

Ion Ratio Lower Upper

91 100

92 59.4 40.4 75.0

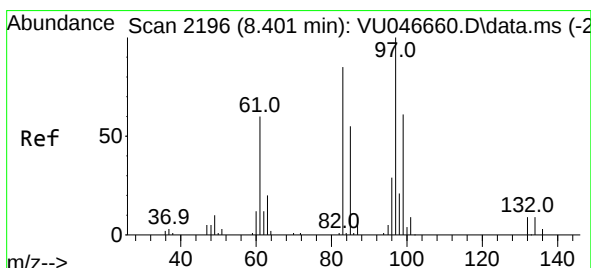
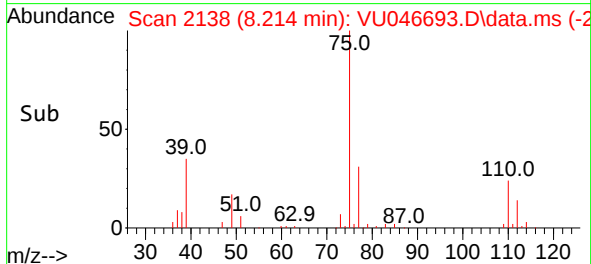
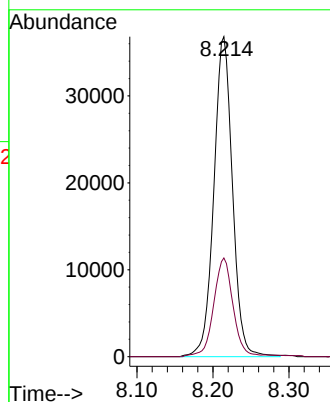
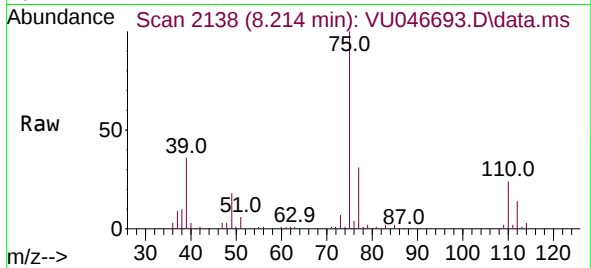




#44  
trans-1,3-Dichloropropene  
Concen: 46.806 ug/L  
RT: 8.214 min Scan# 2137  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

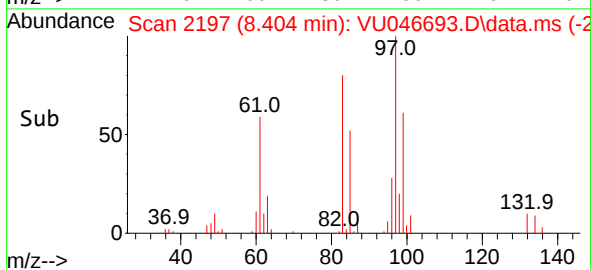
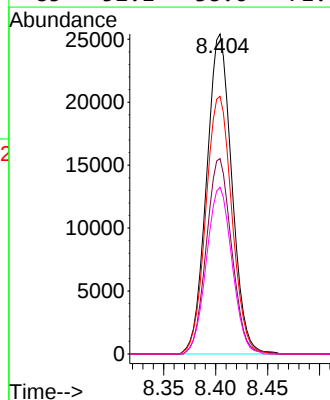
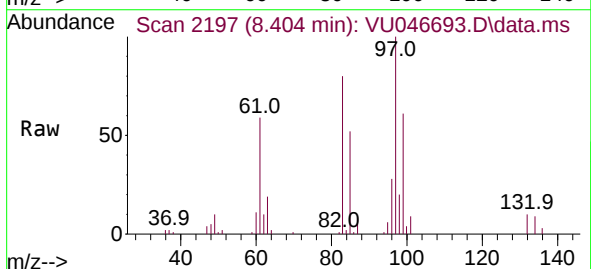
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

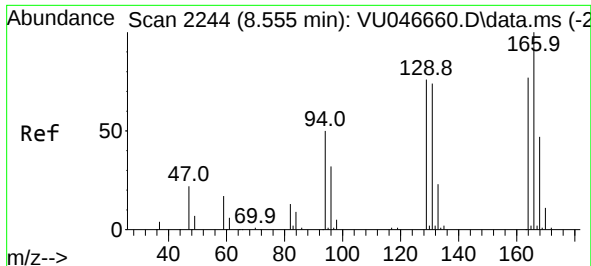
Tgt Ion: 75 Resp: 62563  
Ion Ratio Lower Upper  
75 100  
77 30.8 23.0 42.8



#45  
1,1,2-Trichloroethane  
Concen: 46.977 ug/L  
RT: 8.404 min Scan# 2197  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 97 Resp: 42977  
Ion Ratio Lower Upper  
97 100  
99 61.0 42.4 78.8  
83 80.5 59.4 110.4  
85 52.1 38.6 71.8

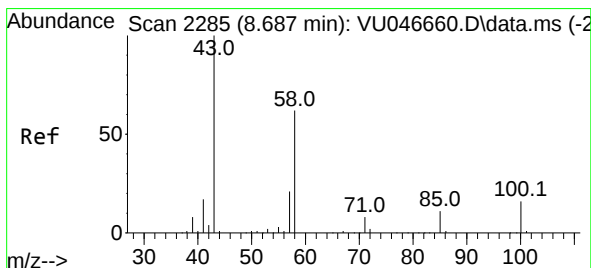
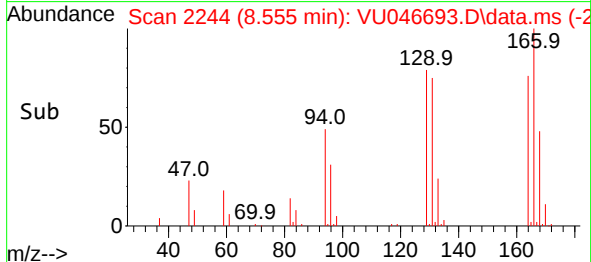
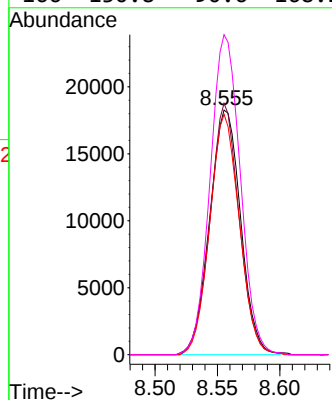
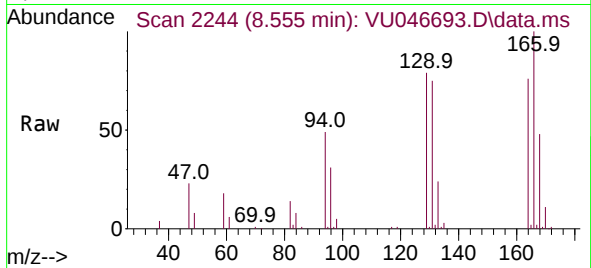




#46  
Tetrachloroethene  
Concen: 45.304 ug/L  
RT: 8.555 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

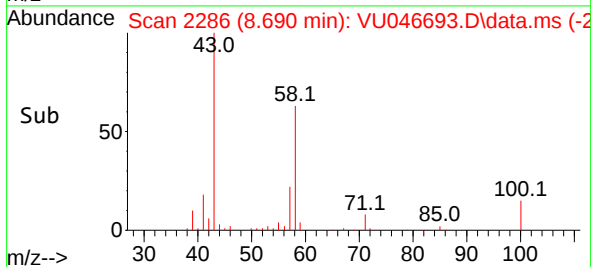
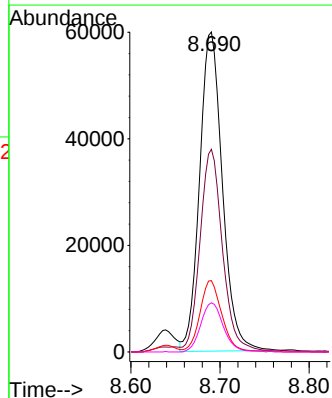
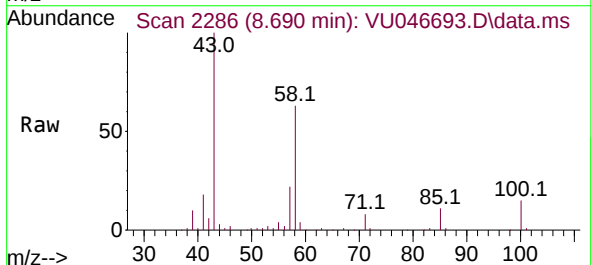
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

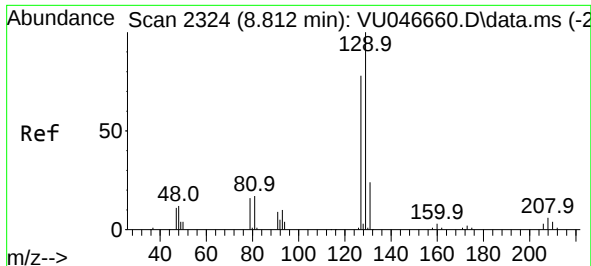
Tgt Ion:164 Resp: 31547  
Ion Ratio Lower Upper  
164 100  
129 102.7 69.5 129.1  
131 98.2 67.0 124.4  
166 130.8 90.6 168.2



#48  
2-Hexanone  
Concen: 102.772 ug/L  
RT: 8.690 min Scan# 2286  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 43 Resp: 106624  
Ion Ratio Lower Upper  
43 100  
58 61.5 49.4 74.2  
57 21.0 17.5 26.3  
100 15.2 12.3 18.5

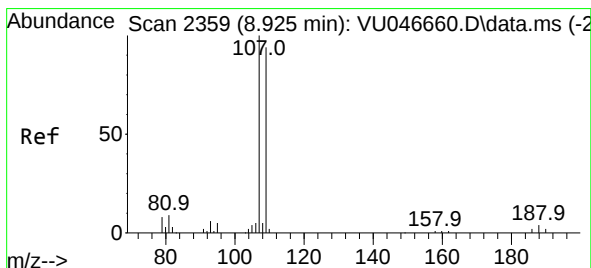
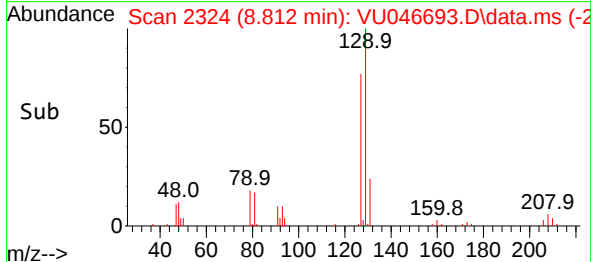
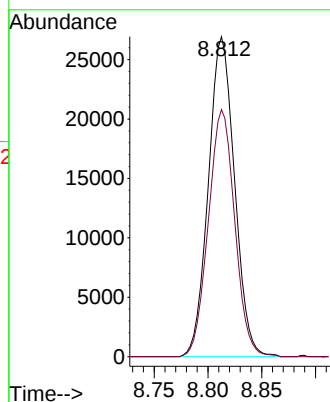
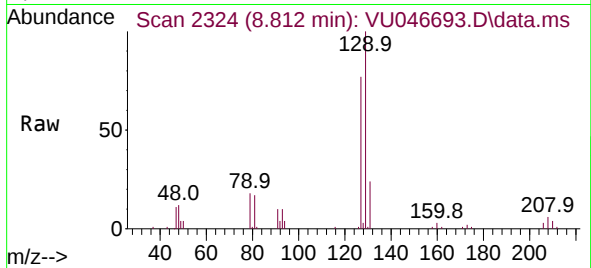




#49  
Dibromochloromethane  
Concen: 45.394 ug/L  
RT: 8.812 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

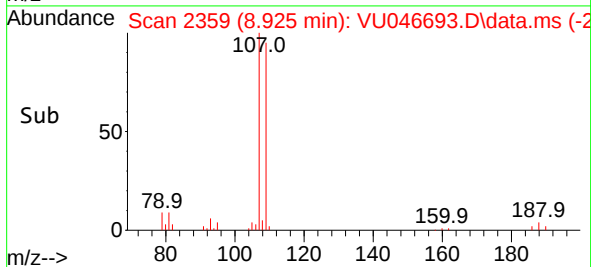
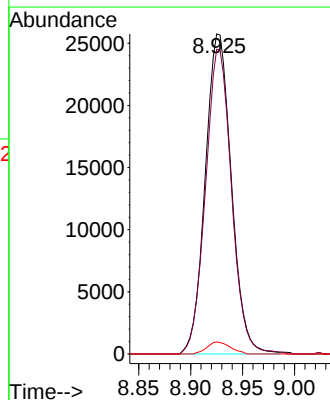
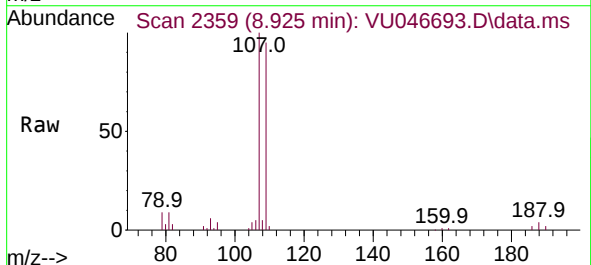
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

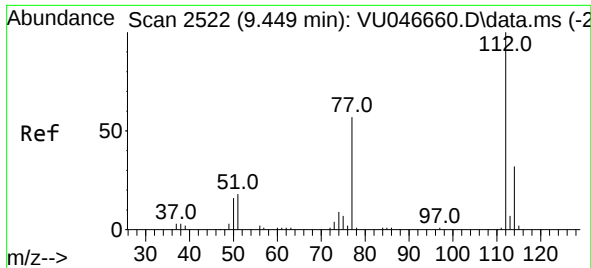
Tgt Ion:129 Resp: 45610  
Ion Ratio Lower Upper  
129 100  
127 77.2 54.5 101.3



#50  
1,2-Dibromoethane  
Concen: 47.216 ug/L  
RT: 8.925 min Scan# 2359  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion:107 Resp: 45025  
Ion Ratio Lower Upper  
107 100  
109 95.2 65.6 121.8  
188 3.7 3.1 4.7

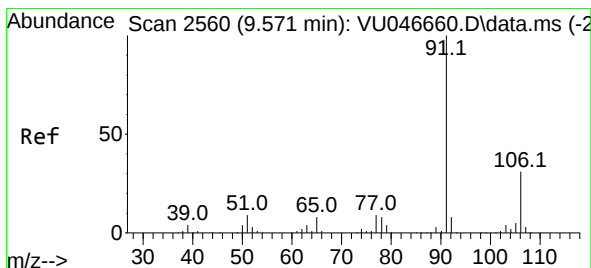
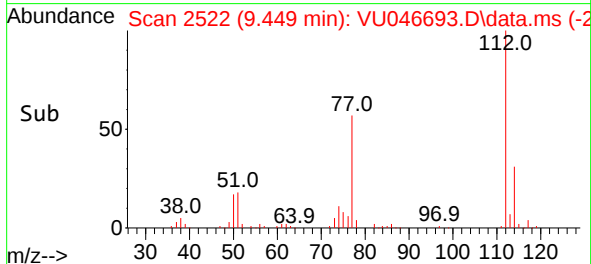
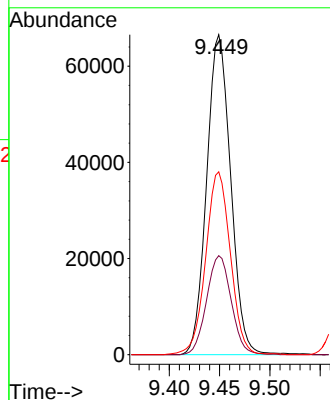
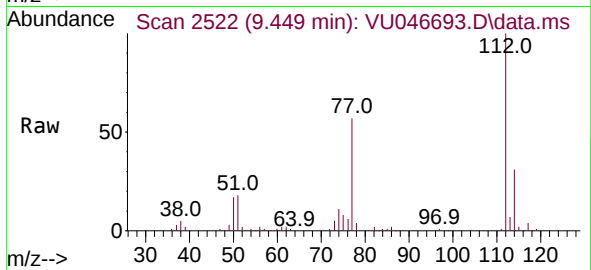




#51  
Chlorobenzene  
Concen: 46.116 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

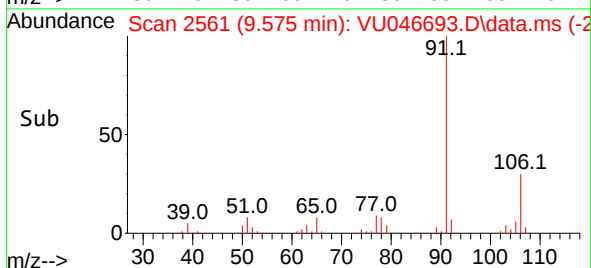
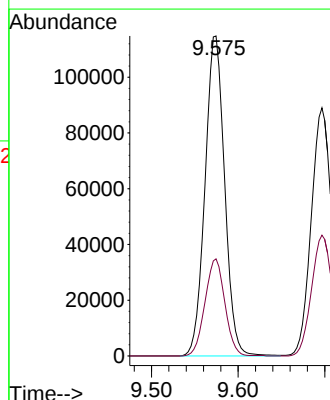
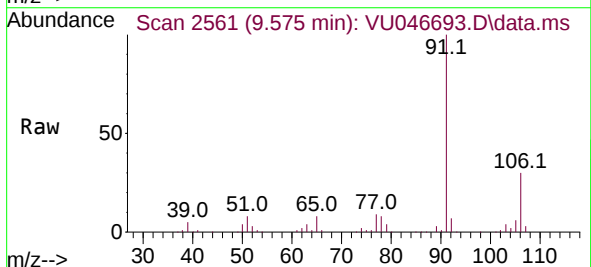
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

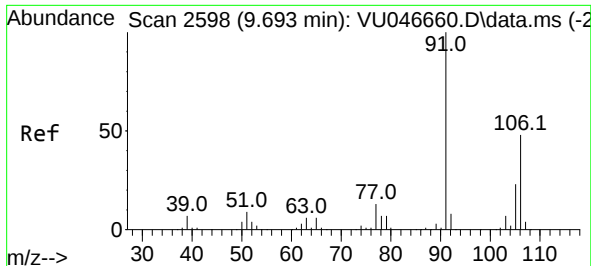
Tgt Ion:112 Resp: 110616  
Ion Ratio Lower Upper  
112 100  
114 31.0 22.1 41.1  
77 57.2 46.5 69.7



#52  
Ethylbenzene  
Concen: 46.140 ug/L  
RT: 9.575 min Scan# 2561  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 91 Resp: 180638  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.8 40.4

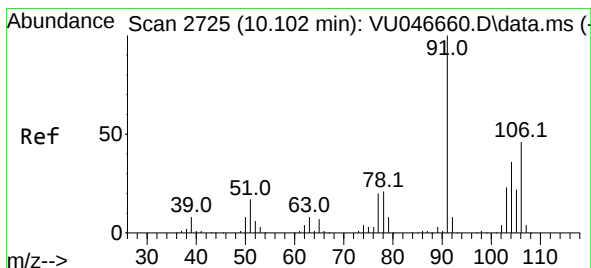
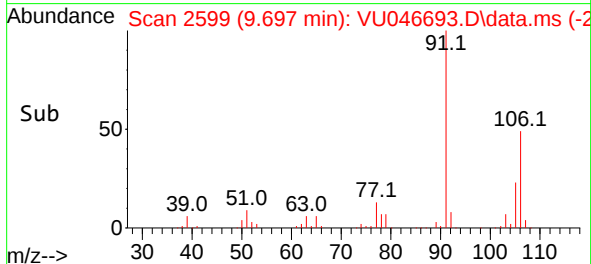
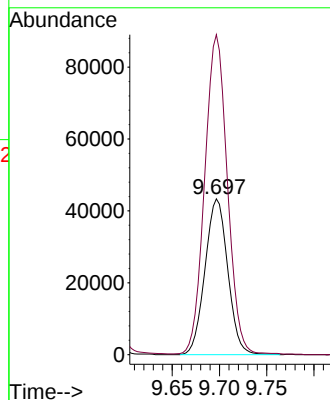
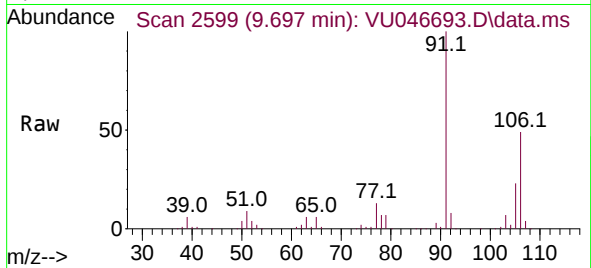




#53  
m,p-Xylene  
Concen: 48.092 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

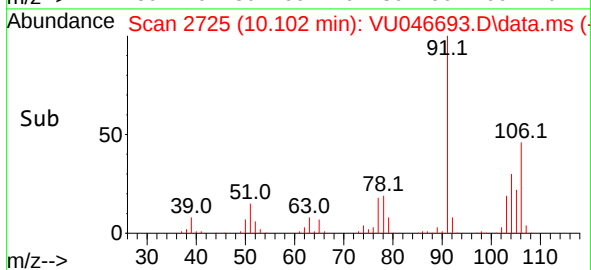
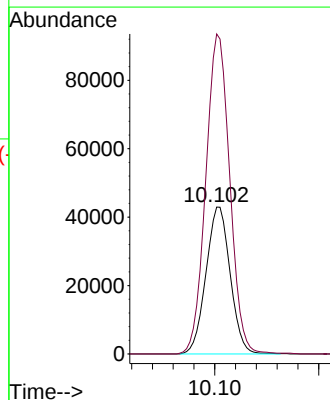
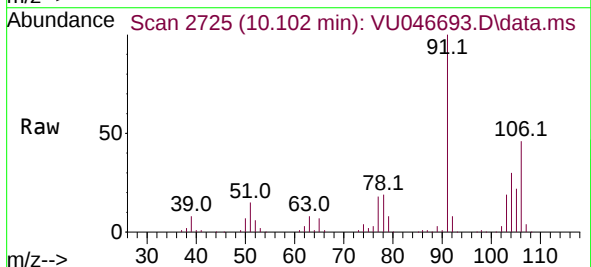
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

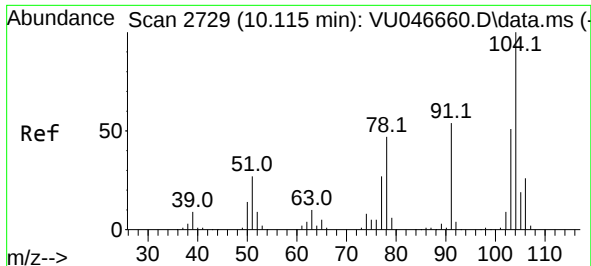
Tgt Ion:106 Resp: 72716  
Ion Ratio Lower Upper  
106 100  
91 205.4 145.5 270.1



#54  
o-xylene  
Concen: 48.012 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion:106 Resp: 69419  
Ion Ratio Lower Upper  
106 100  
91 217.8 152.0 282.2

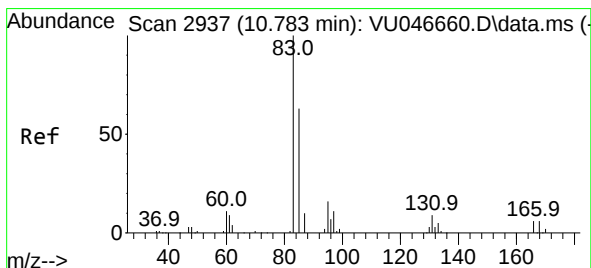
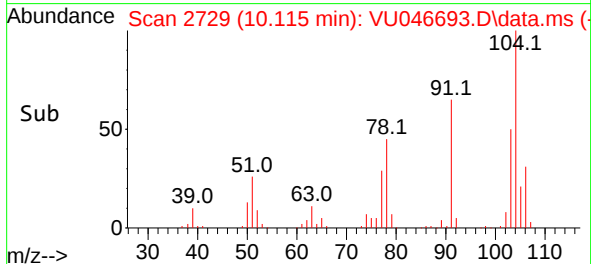
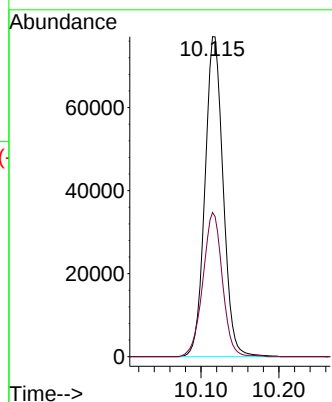
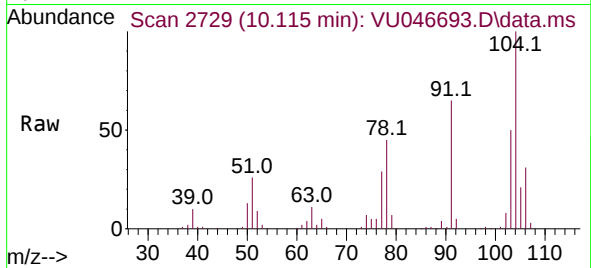




#55  
Styrene  
Concen: 49.590 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

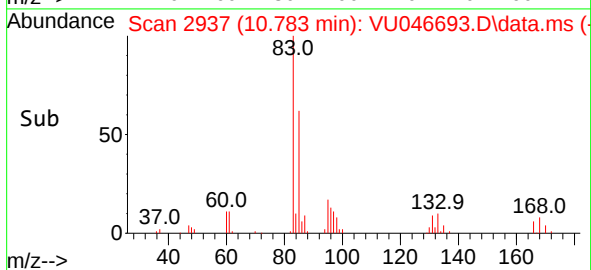
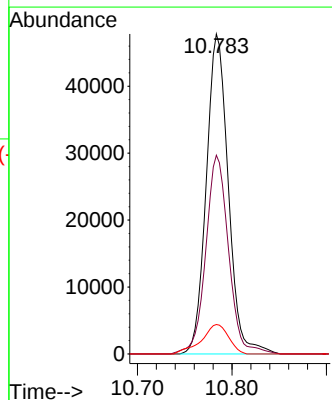
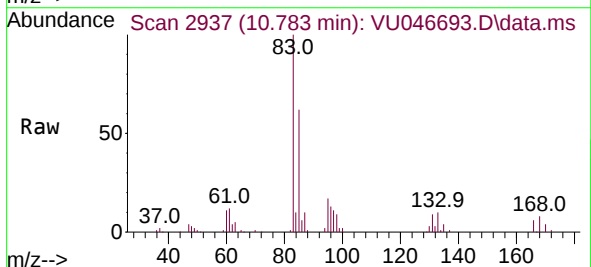
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

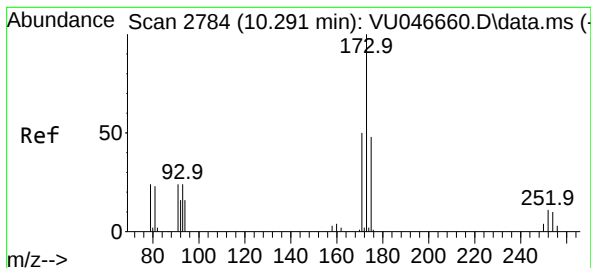
Tgt Ion:104 Resp: 125473  
Ion Ratio Lower Upper  
104 100  
78 45.0 32.6 60.6



#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.308 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion: 83 Resp: 77293  
Ion Ratio Lower Upper  
83 100  
85 62.1 44.7 83.1  
131 9.2 7.8 11.6





#59

Bromoform

Concen: 45.429 ug/L

RT: 10.295 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050156

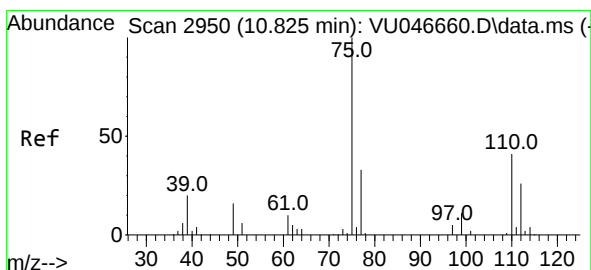
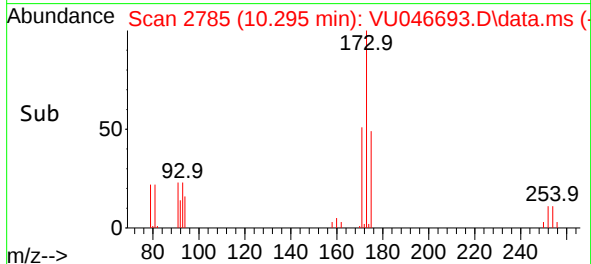
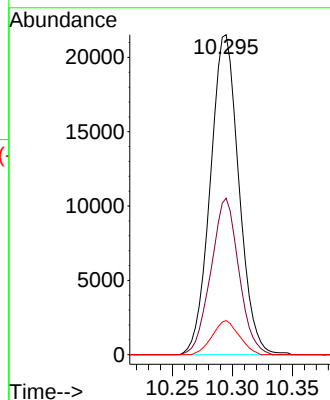
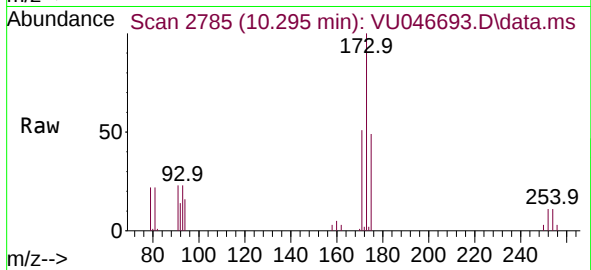
Tgt Ion:173 Resp: 35624

Ion Ratio Lower Upper

173 100

175 47.9 37.6 56.4

254 10.0 8.1 12.1



#60

1,2,3-Trichloropropane

Concen: 46.362 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU046693.D

Acq: 07 Jan 2022 11:32

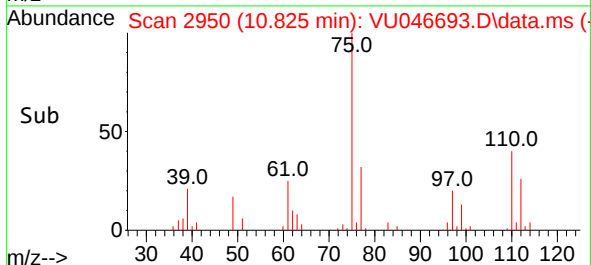
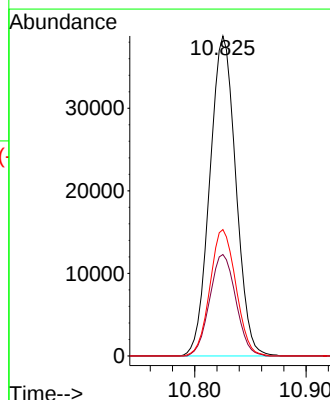
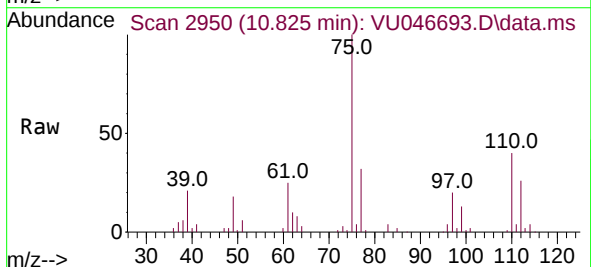
Tgt Ion: 75 Resp: 62957

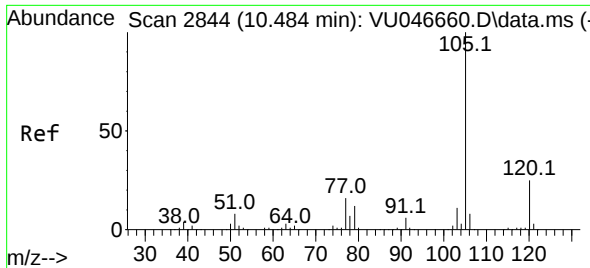
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

110 39.4 32.5 48.7

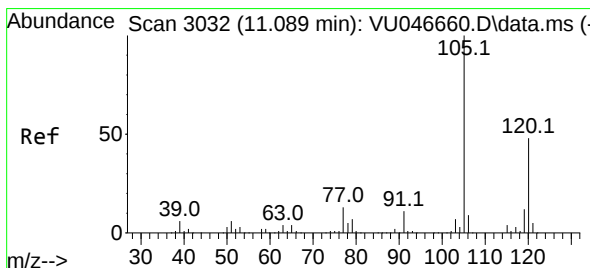
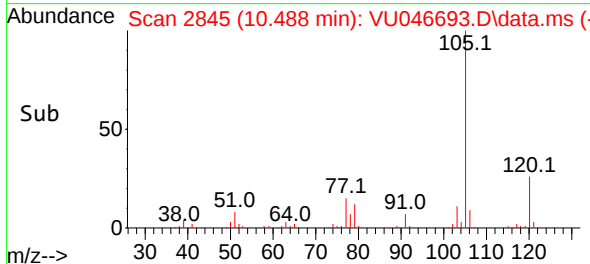
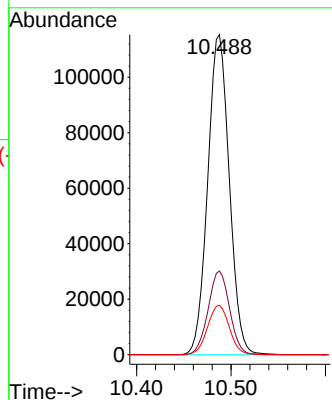
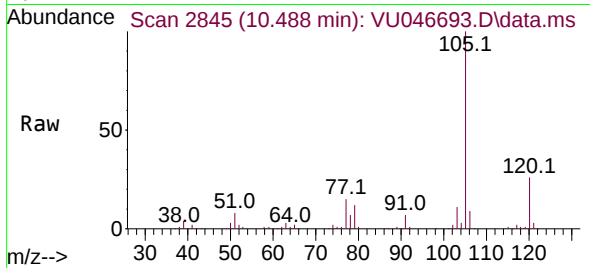




#61  
Isopropylbenzene  
Concen: 46.380 ug/L  
RT: 10.488 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

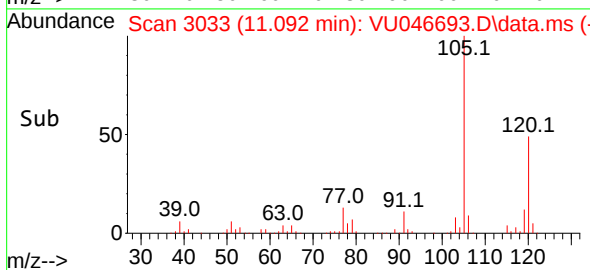
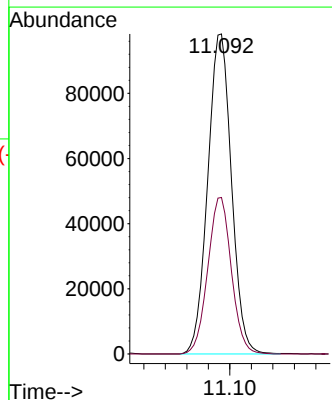
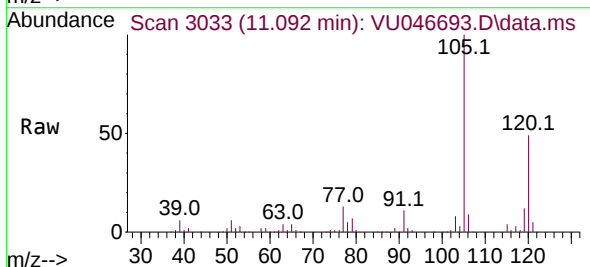
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

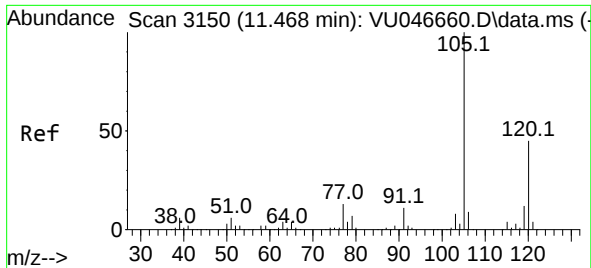
Tgt Ion:105 Resp: 182824  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.6 31.0  
77 15.6 12.6 18.8



#62  
1,3,5-Trimethylbenzene  
Concen: 45.417 ug/L  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion:105 Resp: 150495  
Ion Ratio Lower Upper  
105 100  
120 48.6 38.4 57.6

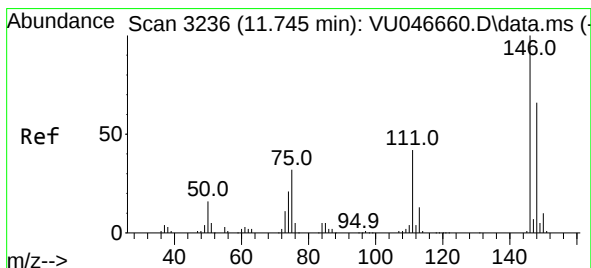
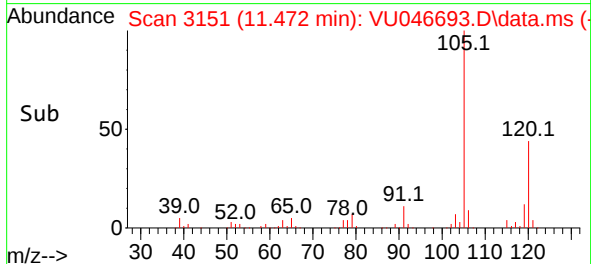
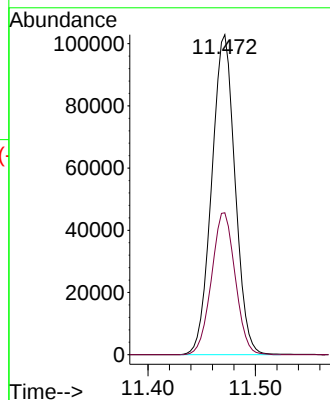
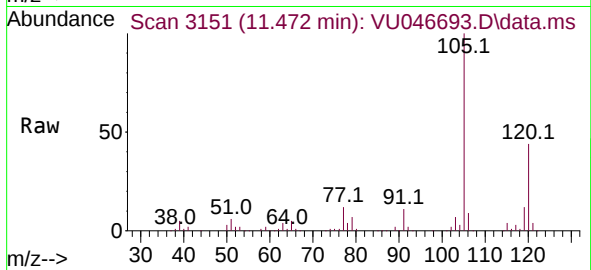




#63  
1,2,4-Trimethylbenzene  
Concen: 47.002 ug/L  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

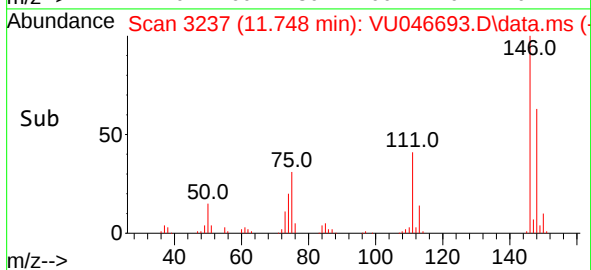
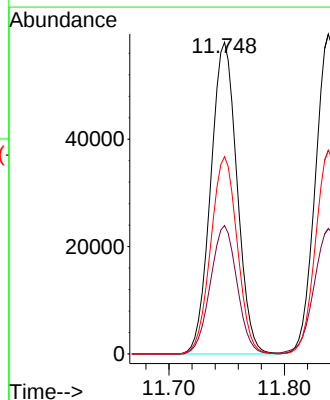
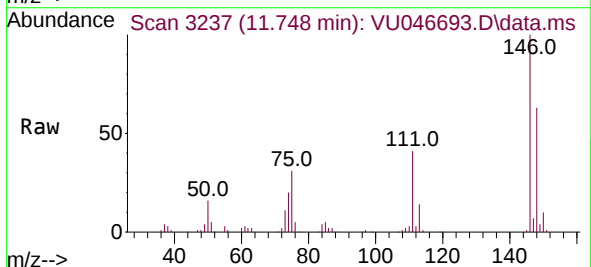
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

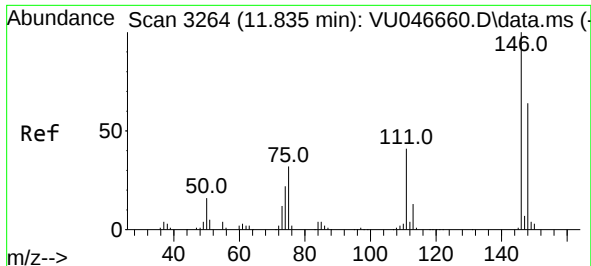
Tgt Ion:105 Resp: 155185  
Ion Ratio Lower Upper  
105 100  
120 45.1 35.4 53.2



#64  
1,3-Dichlorobenzene  
Concen: 46.557 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion:146 Resp: 91986  
Ion Ratio Lower Upper  
146 100  
111 41.2 29.4 54.6  
148 63.3 45.8 85.2

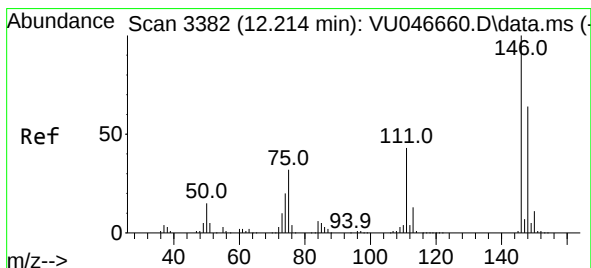
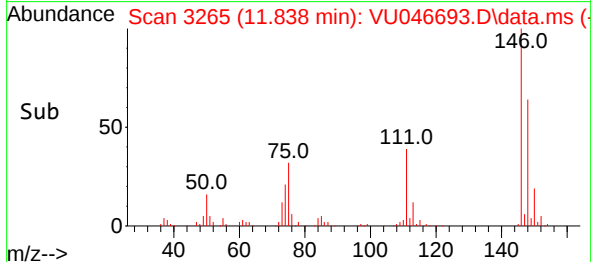
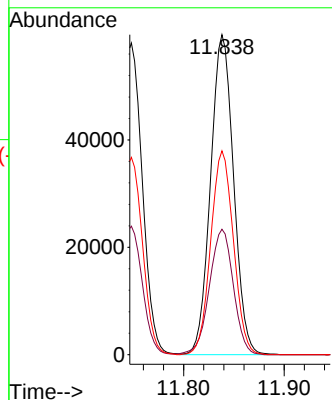
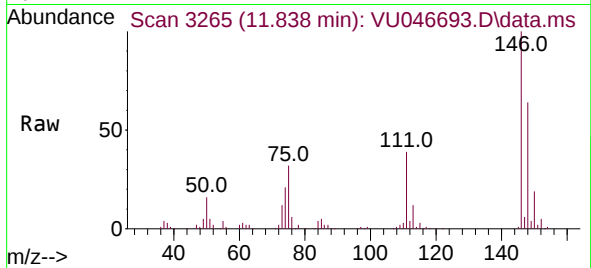




#65  
1,4-Dichlorobenzene  
Concen: 46.071 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

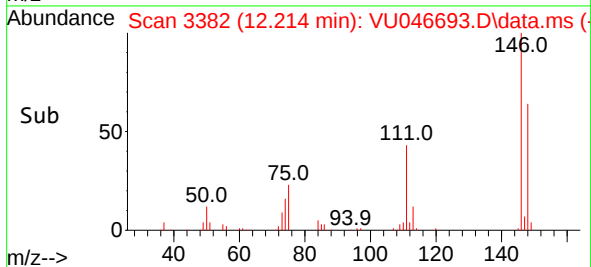
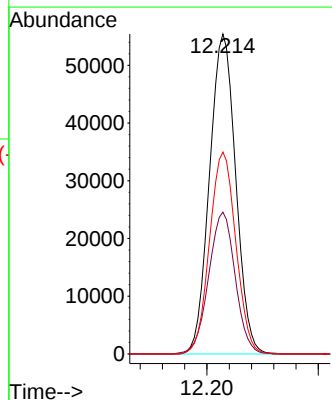
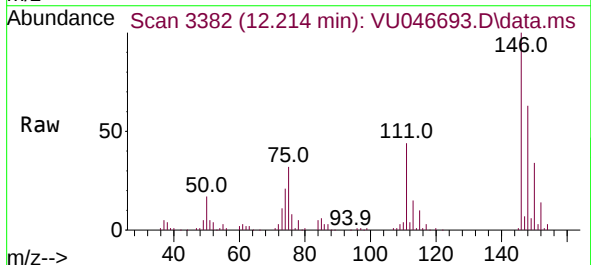
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

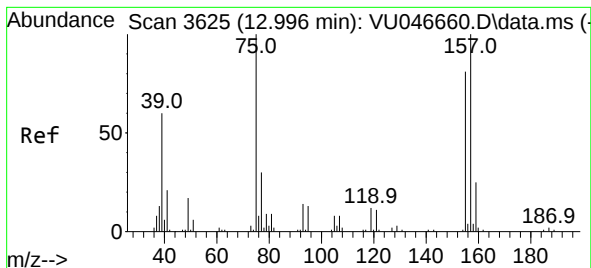
Tgt Ion:146 Resp: 94846  
Ion Ratio Lower Upper  
146 100  
111 39.2 28.9 53.7  
148 63.7 44.5 82.7



#67  
1,2-Dichlorobenzene  
Concen: 45.548 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

Tgt Ion:146 Resp: 90449  
Ion Ratio Lower Upper  
146 100  
111 44.3 34.2 51.4  
148 63.1 51.3 76.9

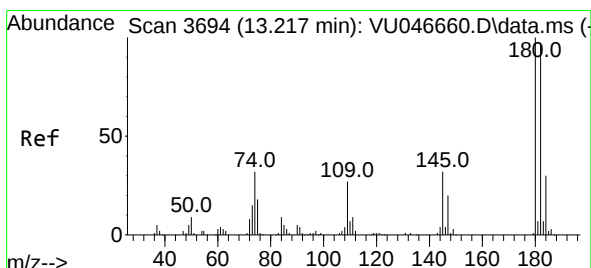
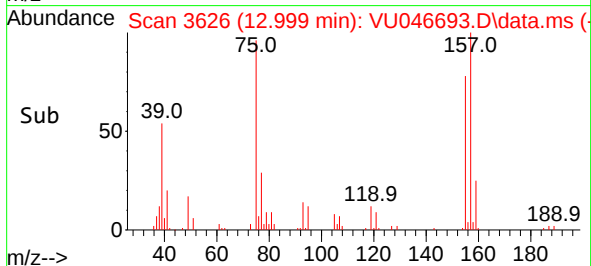
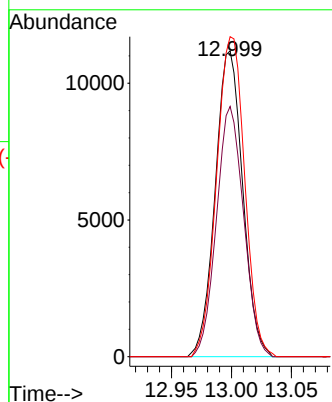
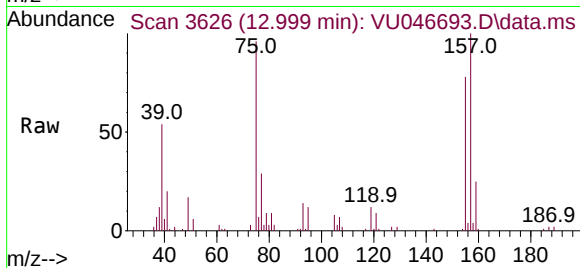




#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 43.929 ug/L  
 RT: 12.999 min Scan# 3626  
 Delta R.T. 0.003 min  
 Lab File: VU046693.D  
 Acq: 07 Jan 2022 11:32

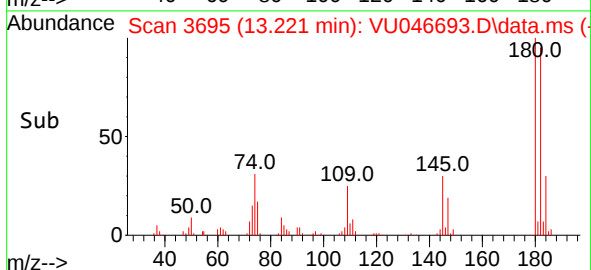
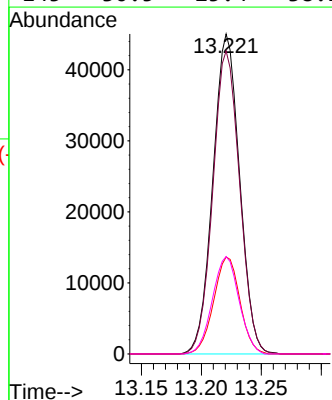
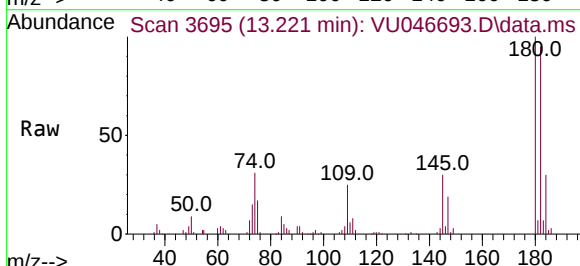
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050156

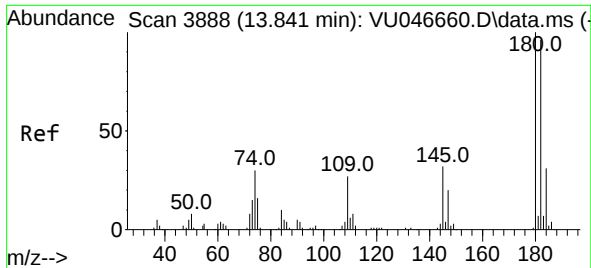
Tgt Ion: 75 Resp: 17857  
 Ion Ratio Lower Upper  
 75 100  
 155 81.9 65.0 97.4  
 157 104.7 79.7 119.5



#69  
 1,3,5-Trichlorobenzene  
 Concen: 45.972 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.003 min  
 Lab File: VU046693.D  
 Acq: 07 Jan 2022 11:32

Tgt Ion:180 Resp: 69568  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 77.0 115.6  
 184 29.8 24.7 37.1  
 145 30.5 25.4 38.2

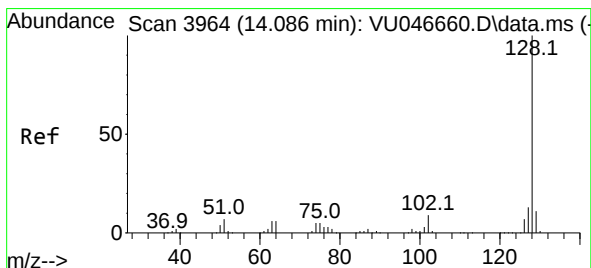
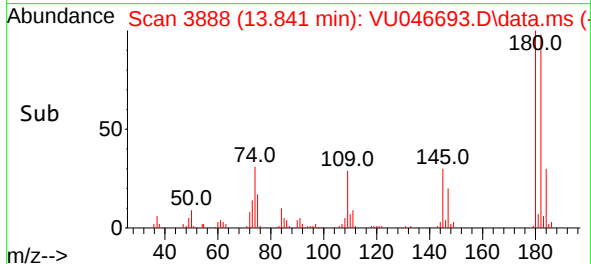
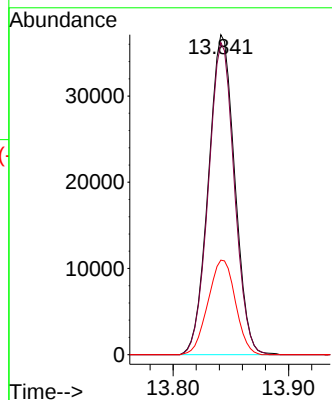
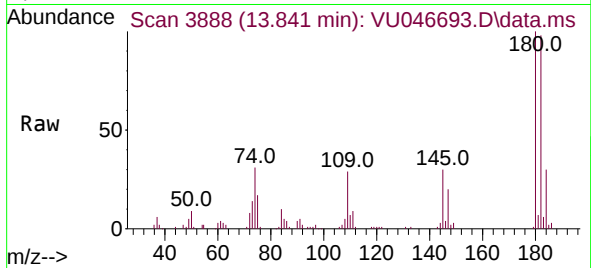




#70  
1,2,4-trichlorobenzene  
Concen: 45.493 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.000 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

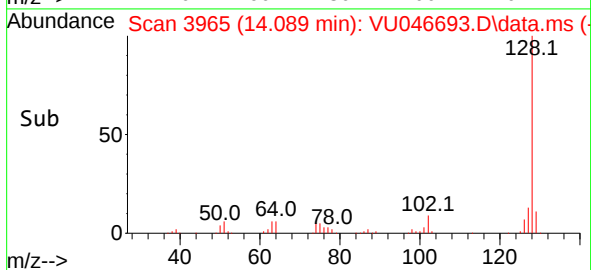
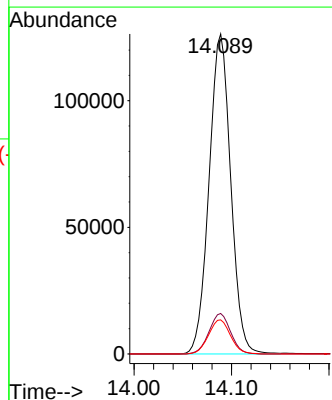
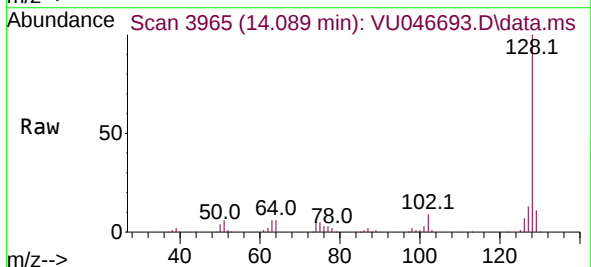
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050156

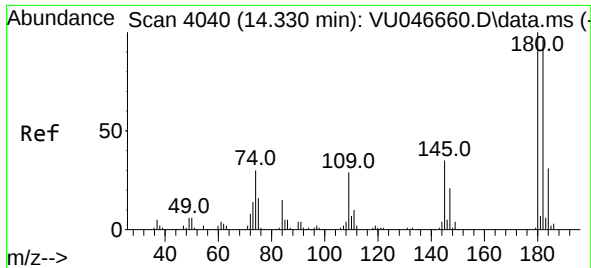
Tgt Ion:180 Resp: 58849  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.6 114.8  
145 30.7 25.2 37.8



#71  
Naphthalene  
Concen: 46.444 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU046693.D  
Acq: 07 Jan 2022 11:32

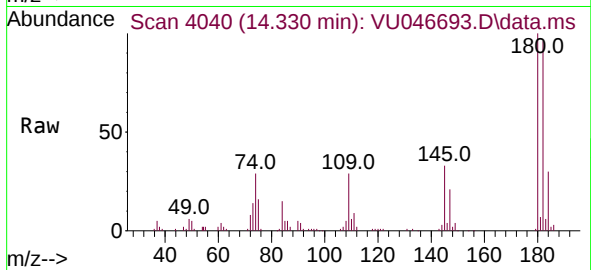
Tgt Ion:128 Resp: 195399  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.1 15.1  
129 10.8 8.8 13.2





#72  
 1,2,3-Trichlorobenzene  
 Concen: 47.239 ug/L  
 RT: 14.330 min Scan# 4040  
 Delta R.T. 0.000 min  
 Lab File: VU046693.D  
 Acq: 07 Jan 2022 11:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050156



Tgt Ion:180 Resp: 61747  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 76.6 115.0  
 145 33.4 27.4 41.2

