

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021822\  
 Data File : VU047205.D  
 Acq On : 17 Feb 2022 15:01  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

Quant Time: Feb 18 03:30:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR021622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 16 13:52:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 166539   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 173012   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815 | 152   | 101376   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 61859    | 4.398    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.000%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 53001    | 4.755    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 25666    | 4.412    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.200%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 174056   | 51.773   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 103.540% |
| 24) Chloroform-d              | 5.070  | 84    | 115910   | 4.961    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 59808    | 4.604    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.732  | 84    | 226534   | 4.686    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 71859    | 4.671    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.400%  |
| 41) Toluene-d8                | 7.902  | 98    | 220085   | 4.654    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.000%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 30307    | 4.346    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.000%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 151255   | 41.197   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 82.400%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 60745    | 4.345    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 88179    | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 72916    | 5.177    | ug/L   | 100      |
| 3) Chloromethane              | 1.523  | 50    | 81184    | 5.315    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 80247    | 5.200    | ug/L   | 99       |
| 6) Bromomethane               | 1.861  | 94    | 47943    | 5.286    | ug/L   | 98       |
| 8) Chloroethane               | 1.938  | 64    | 47768    | 5.368    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 106076   | 5.641    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101   | 59243    | 5.222    | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 56219    | 5.130    | ug/L   | 85       |
| 13) Acetone                   | 2.658  | 43    | 96999    | 57.633   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.800  | 76    | 184222   | 5.039    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.967  | 43    | 21773    | 4.180    | ug/L   | 91       |
| 16) Methylene chloride        | 3.051  | 84    | 65091    | 5.331    | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 143274   | 4.784    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 61723    | 5.211    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 106892   | 5.163    | ug/L   | 99       |
| 21) 2-Butanone                | 4.723  | 43    | 163861   | 51.843   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 67723    | 5.254    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.980  | 128   | 30447    | 5.038    | ug/L   | 90       |
| 25) Chloroform                | 5.092  | 83    | 114063   | 5.262    | ug/L   | 96       |

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 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

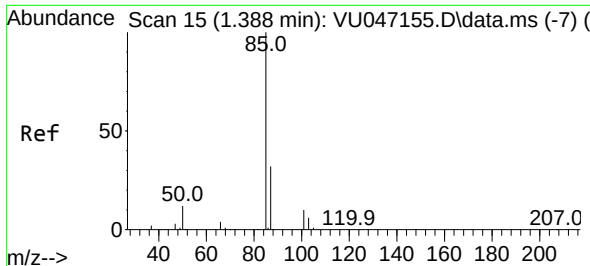
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

Quant Time: Feb 18 03:30:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR021622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 16 13:52:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 70871    | 4.891  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 98198    | 5.241  | ug/L   | 99       |
| 30) Cyclohexane               | 5.394  | 56   | 102553   | 5.016  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 85327    | 5.231  | ug/L   | 99       |
| 33) Benzene                   | 5.777  | 78   | 255390   | 5.195  | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 68137    | 5.196  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.767  | 83   | 114509   | 5.175  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 64271    | 5.058  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 82166    | 5.061  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 98025    | 4.961  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 394849   | 43.546 | ug/L   | 99       |
| 42) Toluene                   | 7.973  | 91   | 290527   | 5.309  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 84791    | 4.763  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 47596    | 4.823  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.555  | 164  | 56306    | 5.291  | ug/L   | 92       |
| 48) 2-Hexanone                | 8.687  | 43   | 296430   | 43.970 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 58725    | 4.940  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.928  | 107  | 47186    | 4.741  | ug/L # | 100      |
| 51) Chlorobenzene             | 9.449  | 112  | 184375   | 5.219  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.574  | 91   | 316830   | 5.283  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.697  | 106  | 124379   | 5.283  | ug/L   | 99       |
| 54) o-Xylene                  | 10.105 | 106  | 118120   | 5.151  | ug/L   | 95       |
| 55) Styrene                   | 10.118 | 104  | 202885   | 5.289  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 58260    | 4.461  | ug/L   | 97       |
| 59) Bromoform                 | 10.291 | 173  | 33960    | 4.600  | ug/L # | 96       |
| 60) Isopropylbenzene          | 10.488 | 105  | 312846   | 5.260  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 42973    | 4.439  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 205665   | 5.178  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 264909   | 5.181  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 149107   | 5.198  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 149841   | 5.162  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 139727   | 5.114  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 9307     | 4.162  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 125819   | 5.308  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 111577   | 5.057  | ug/L   | 98       |
| 71) Naphthalene               | 14.089 | 128  | 202824   | 4.454  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 101342   | 4.883  | ug/L   | 97       |

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

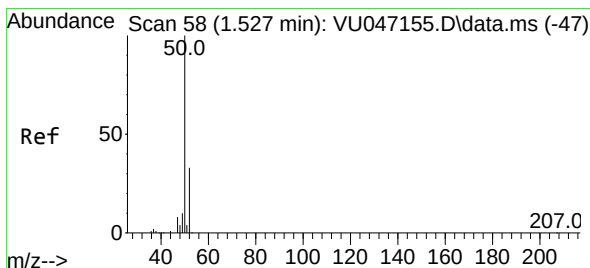
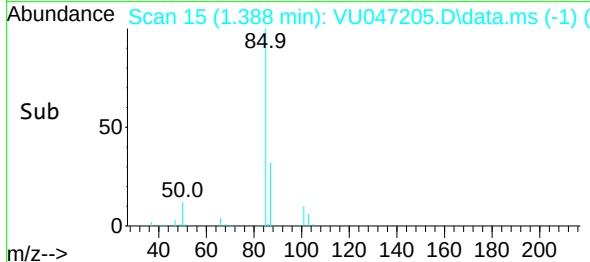
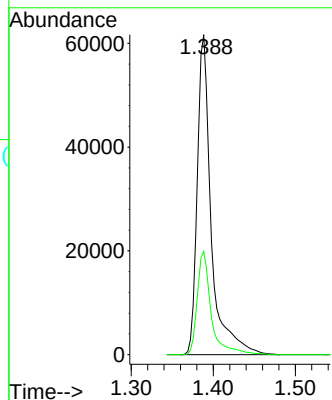
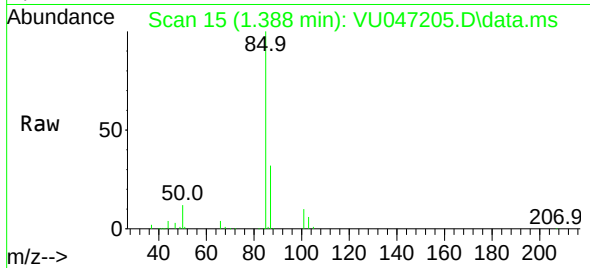




#2  
Dichlorodifluoromethane  
Concen: 5.177 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

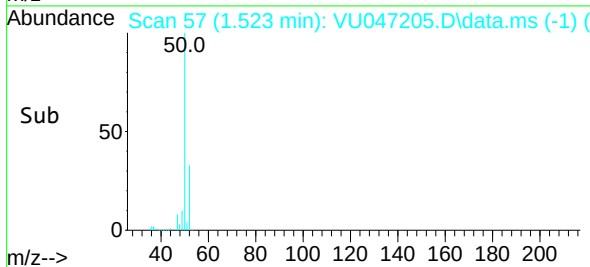
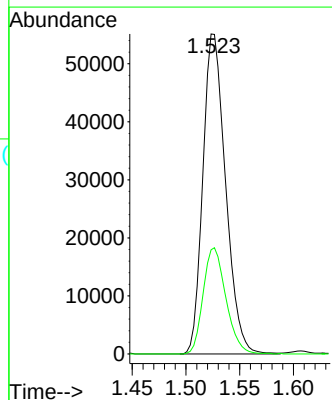
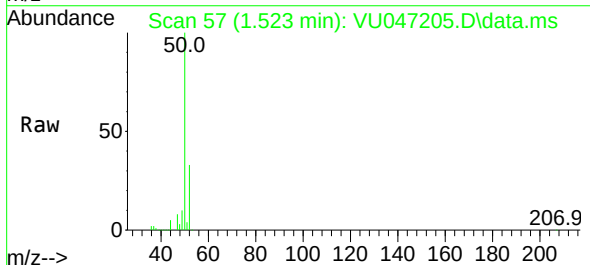
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

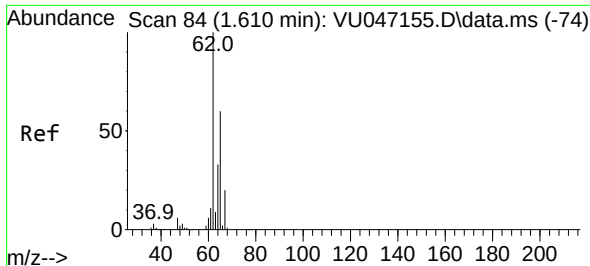
Tgt Ion: 85 Resp: 72916  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.8 38.6



#3  
Chloromethane  
Concen: 5.315 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 50 Resp: 81184  
Ion Ratio Lower Upper  
50 100  
52 32.6 23.0 42.8

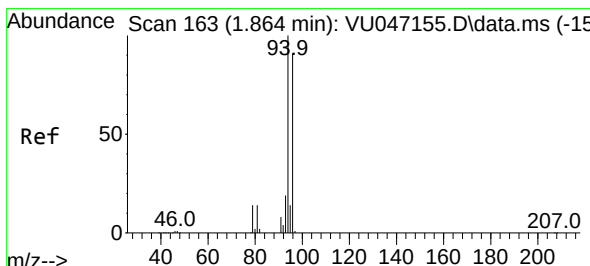
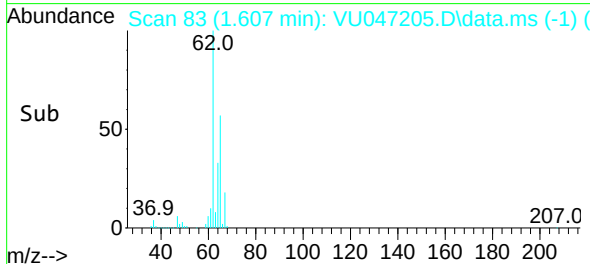
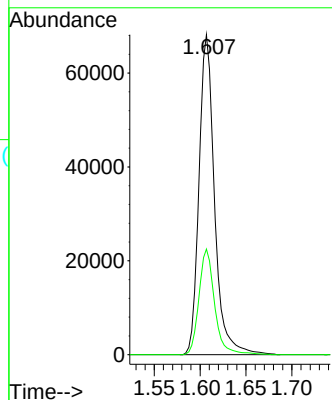
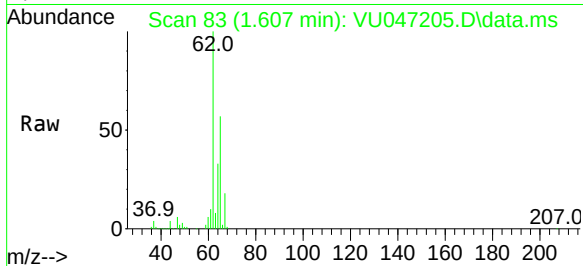




#5  
 Vinyl chloride  
 Concen: 5.200 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU047205.D  
 Acq: 17 Feb 2022 15:01

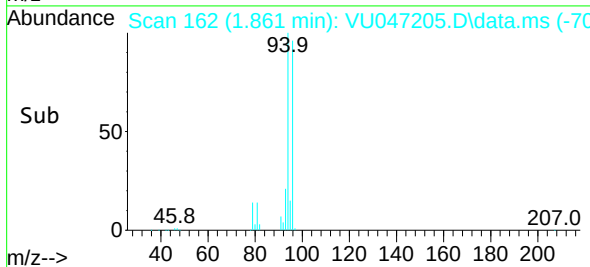
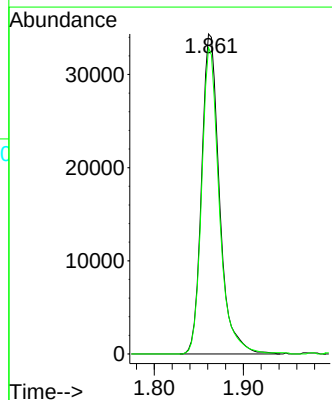
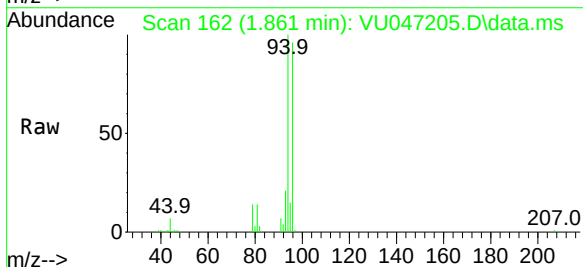
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

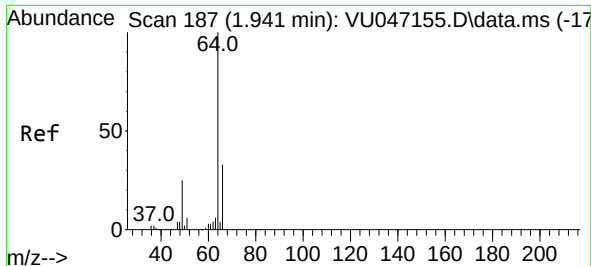
Tgt Ion: 62 Resp: 80247  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 22.9 42.5



#6  
 Bromomethane  
 Concen: 5.286 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. -0.003 min  
 Lab File: VU047205.D  
 Acq: 17 Feb 2022 15:01

Tgt Ion: 94 Resp: 47943  
 Ion Ratio Lower Upper  
 94 100  
 96 95.7 65.5 121.6

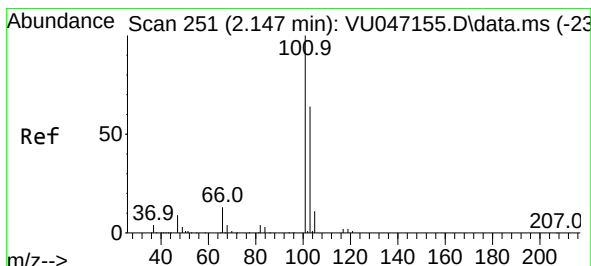
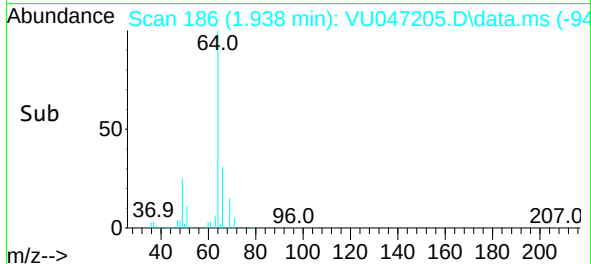
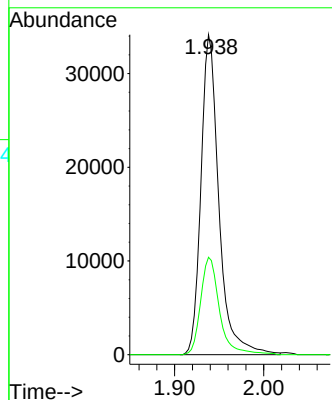
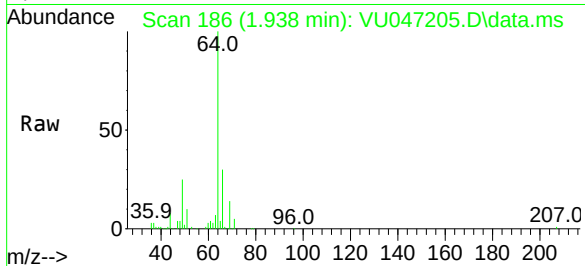




#8  
Chloroethane  
Concen: 5.368 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

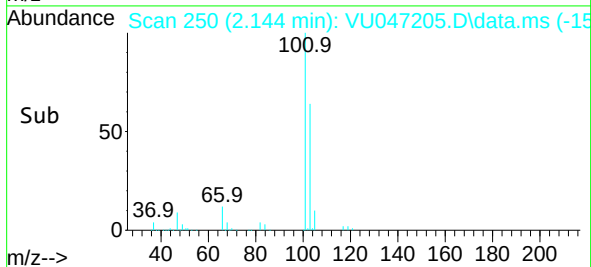
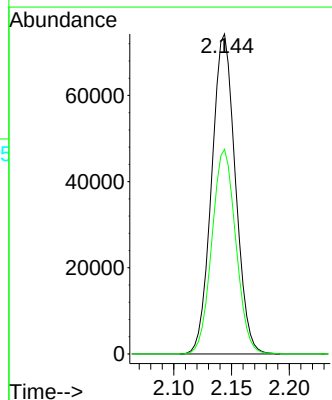
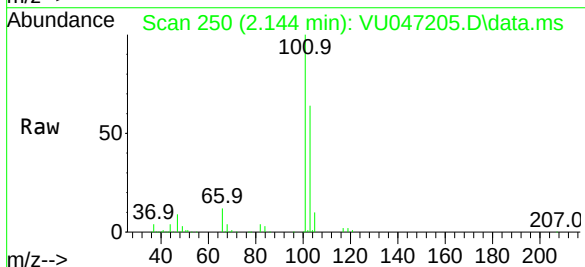
Instrument :  
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ClientSampleId :  
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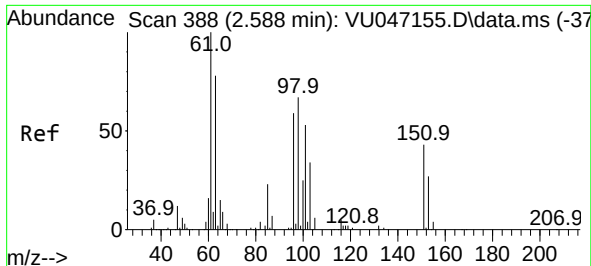
Tgt Ion: 64 Resp: 47768  
Ion Ratio Lower Upper  
64 100  
66 30.5 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 5.641 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 101 Resp: 106076  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.222 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

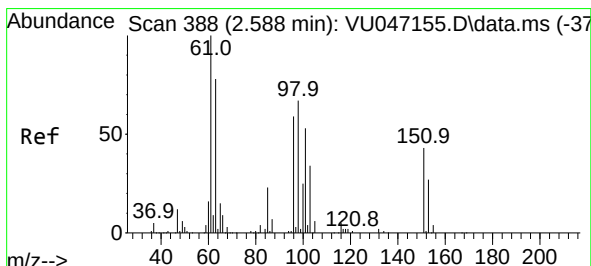
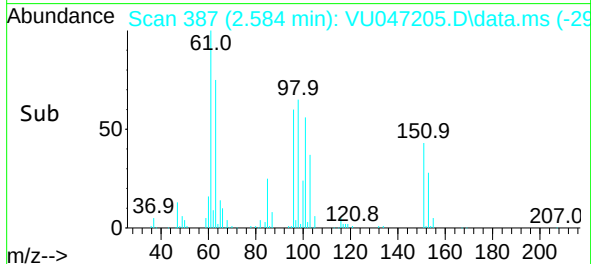
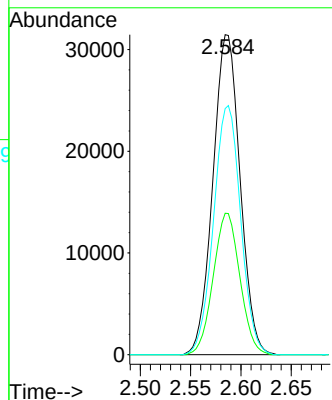
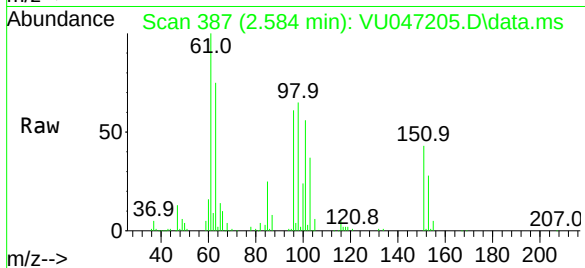
Tgt Ion:101 Resp: 59243

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

151 77.7 56.1 84.1



#12

1,1-Dichloroethene

Concen: 5.130 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

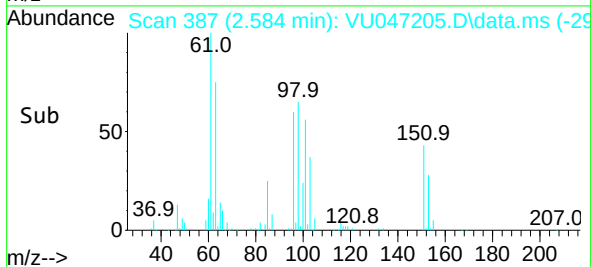
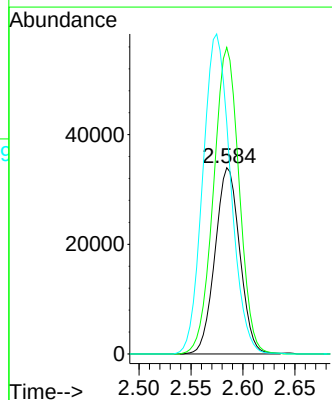
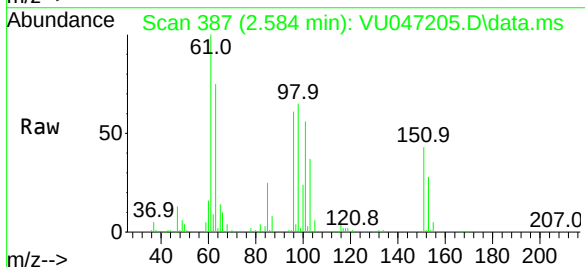
Tgt Ion: 96 Resp: 56219

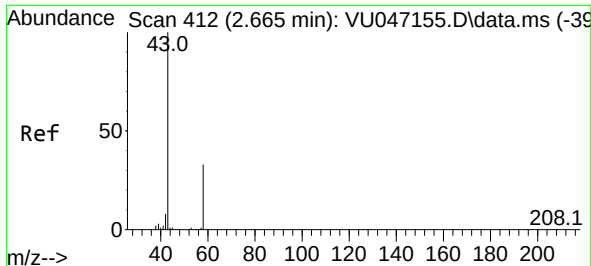
Ion Ratio Lower Upper

96 100

61 164.6 124.7 231.5

63 124.1 105.2 195.4

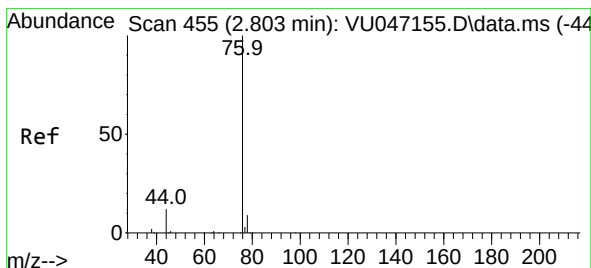
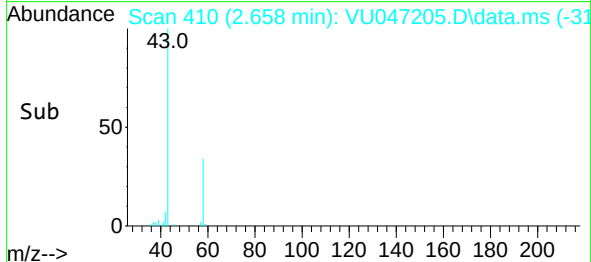
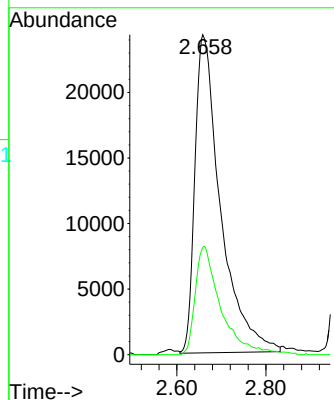
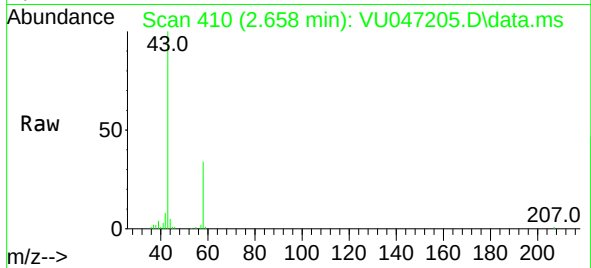




#13  
Acetone  
Concen: 57.633 ug/L  
RT: 2.658 min Scan# 412  
Delta R.T. -0.007 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

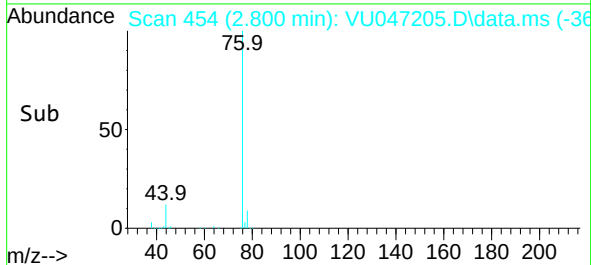
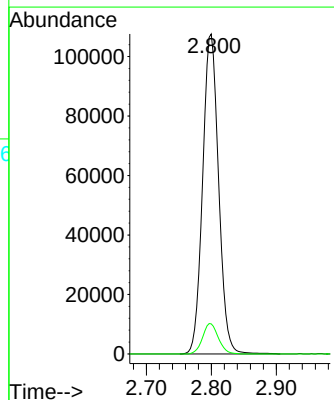
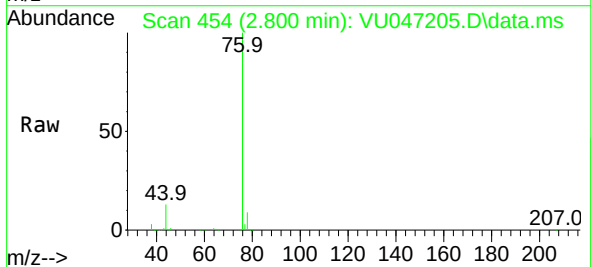
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

Tgt Ion: 43 Resp: 96999  
Ion Ratio Lower Upper  
43 100  
58 33.1 0.0 71.6

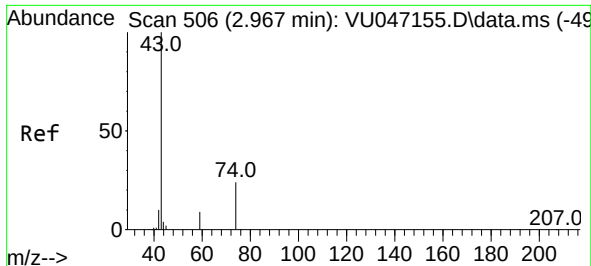


#14  
Carbon disulfide  
Concen: 5.039 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 76 Resp: 184222  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.5 11.3



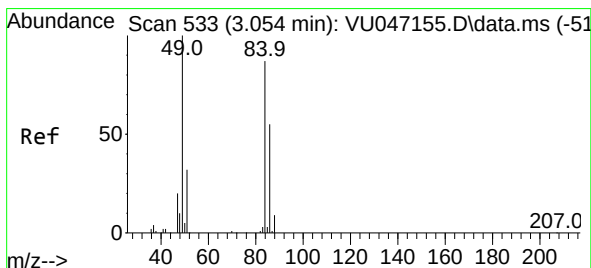
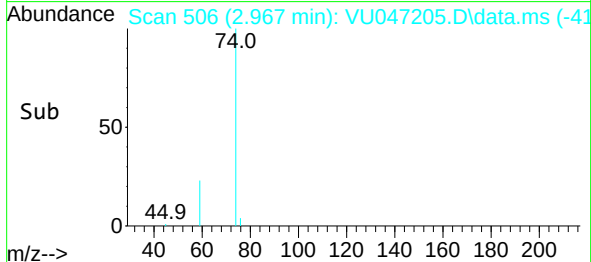
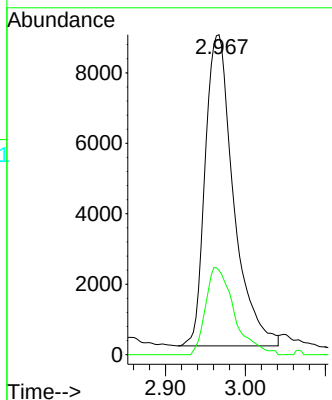
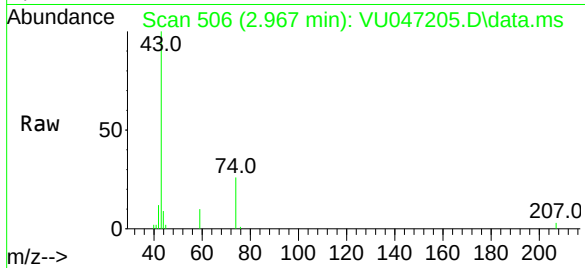




#15  
Methyl Acetate  
Concen: 4.180 ug/L  
RT: 2.967 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

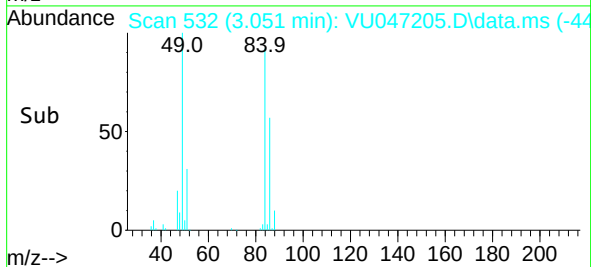
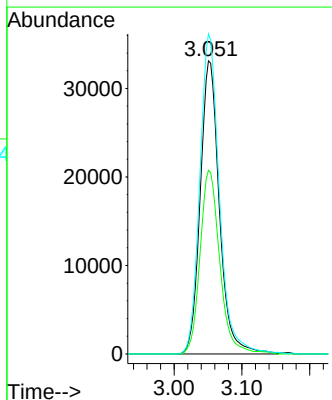
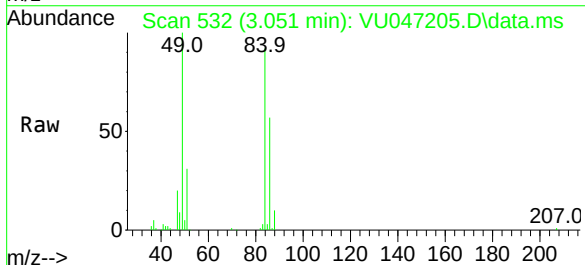
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

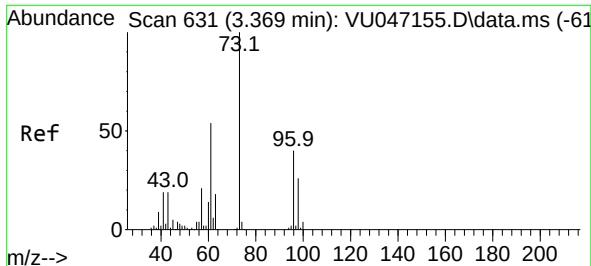
Tgt Ion: 43 Resp: 21773  
Ion Ratio Lower Upper  
43 100  
74 28.2 19.1 28.7



#16  
Methylene chloride  
Concen: 5.331 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 84 Resp: 65091  
Ion Ratio Lower Upper  
84 100  
86 62.7 45.8 85.0  
49 109.2 84.5 156.9

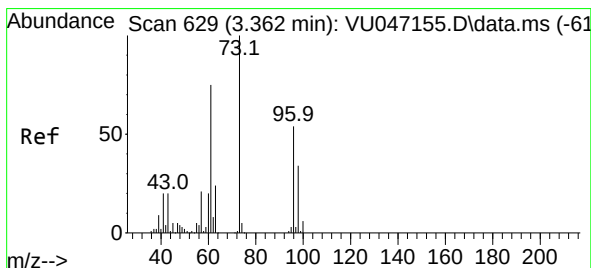
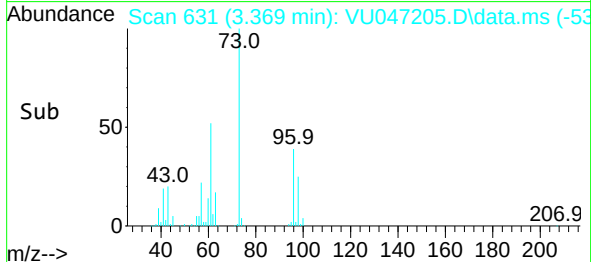
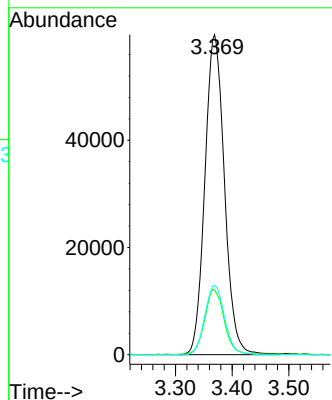
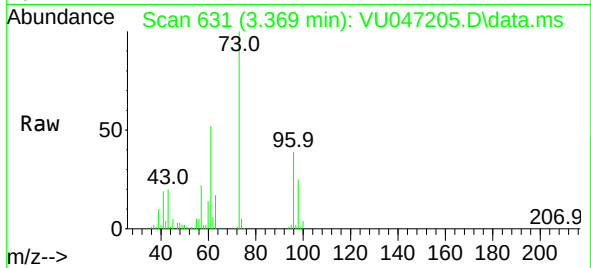




#17  
Methyl tert-butyl Ether  
Concen: 4.784 ug/L  
RT: 3.369 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

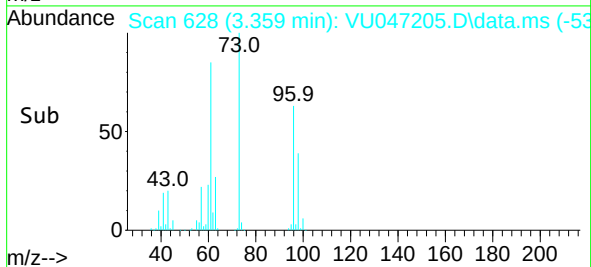
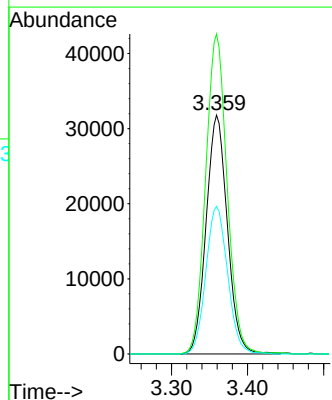
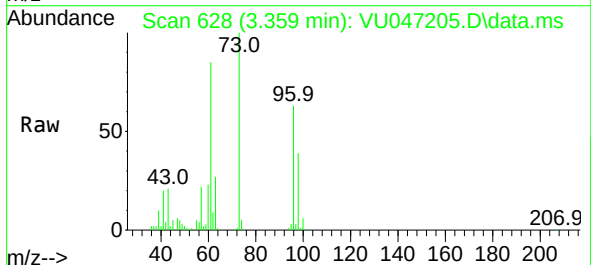
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

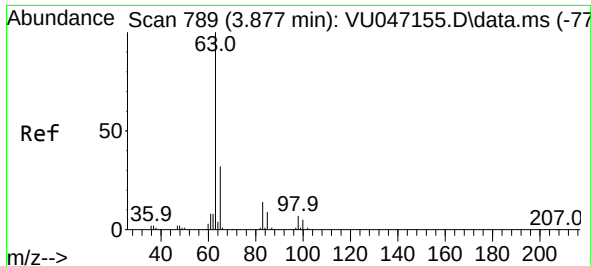
Tgt Ion: 73 Resp: 143274  
Ion Ratio Lower Upper  
73 100  
43 20.4 14.8 22.2  
57 21.8 17.4 26.0



#18  
trans-1,2-Dichloroethene  
Concen: 5.211 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 96 Resp: 61723  
Ion Ratio Lower Upper  
96 100  
61 134.0 100.8 187.2  
98 61.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.163 ug/L

RT: 3.877 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

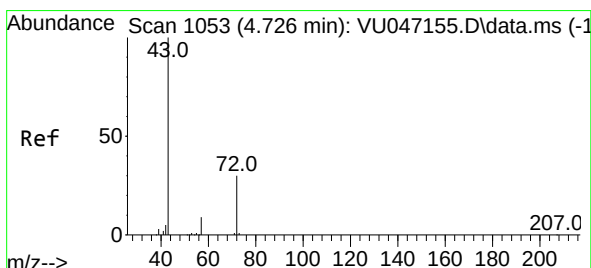
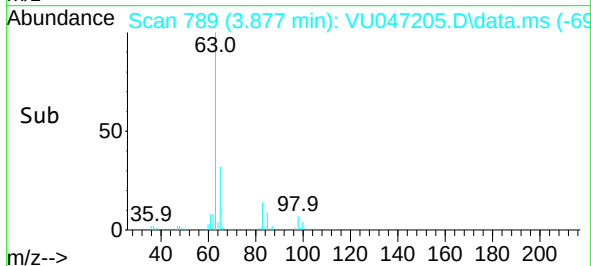
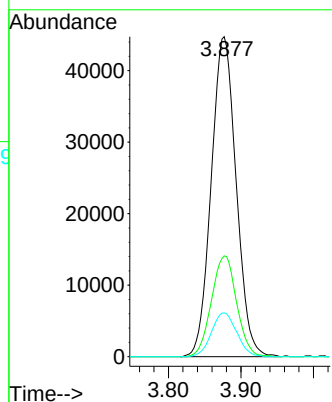
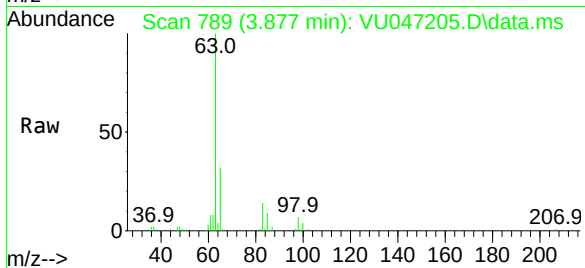
Tgt Ion: 63 Resp: 106892

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 13.7 9.6 17.8



#21

2-Butanone

Concen: 51.843 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VU047205.D

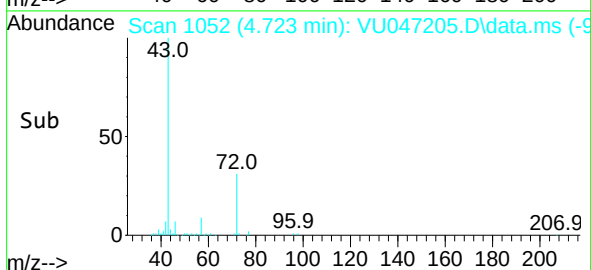
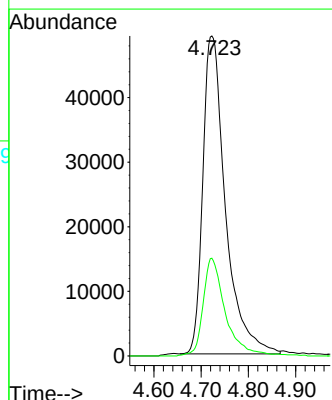
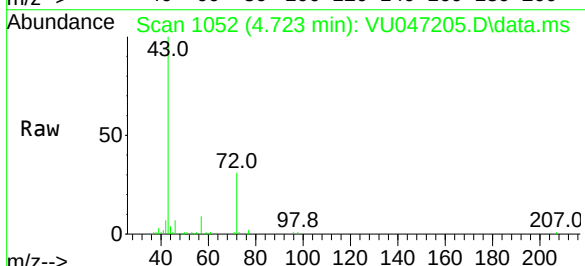
Acq: 17 Feb 2022 15:01

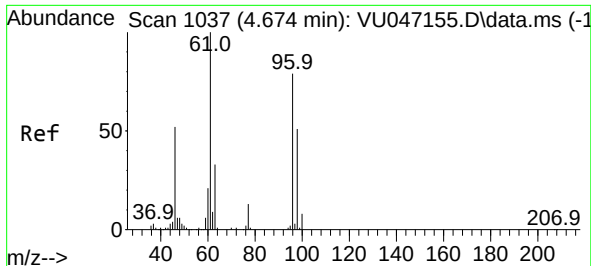
Tgt Ion: 43 Resp: 163861

Ion Ratio Lower Upper

43 100

72 30.0 14.1 42.3

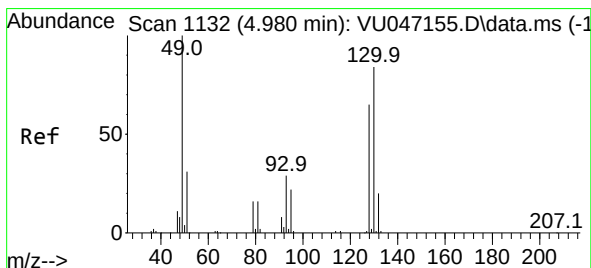
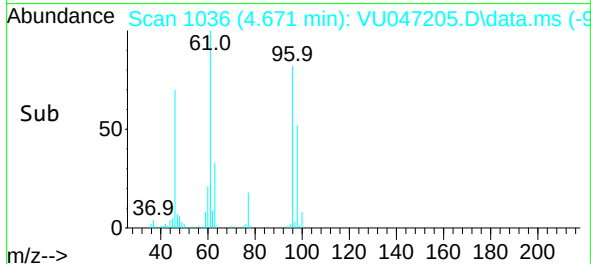
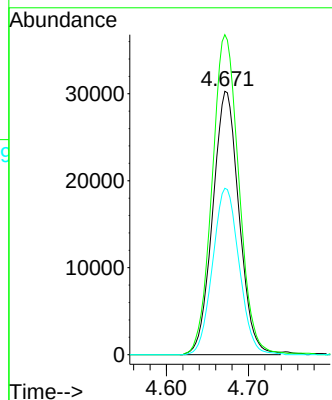
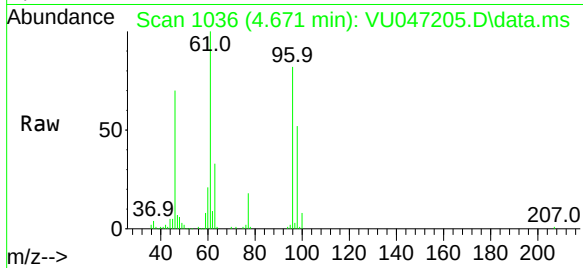




#22  
cis-1,2-Dichloroethene  
Concen: 5.254 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

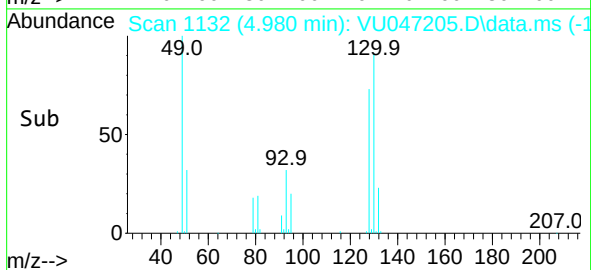
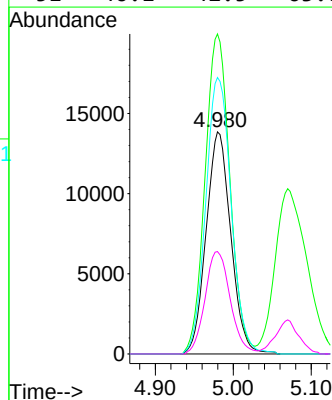
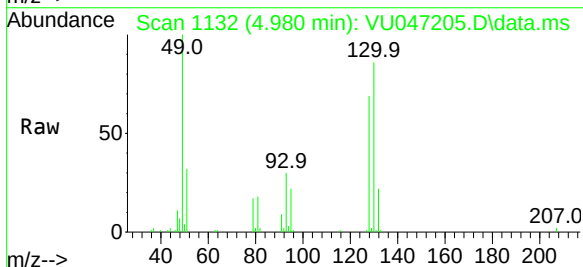
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

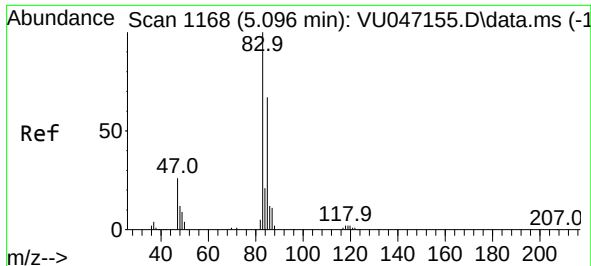
Tgt Ion: 96 Resp: 67723  
Ion Ratio Lower Upper  
96 100  
61 121.5 88.5 164.3  
98 63.2 44.4 82.5



#23  
Bromochloromethane  
Concen: 5.038 ug/L  
RT: 4.980 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 128 Resp: 30447  
Ion Ratio Lower Upper  
128 100  
49 144.1 117.0 217.2  
130 124.5 88.2 163.8  
51 46.1 42.5 63.7





#25

Chloroform

Concen: 5.262 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

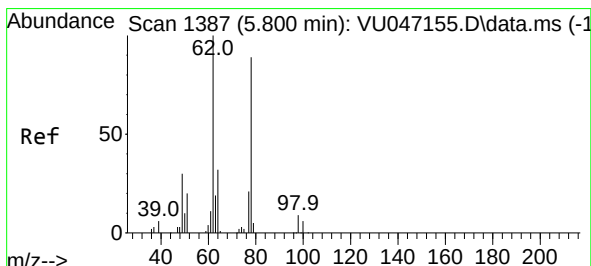
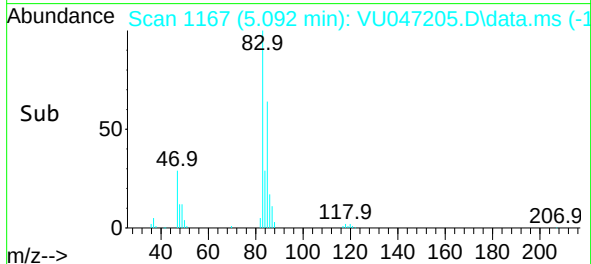
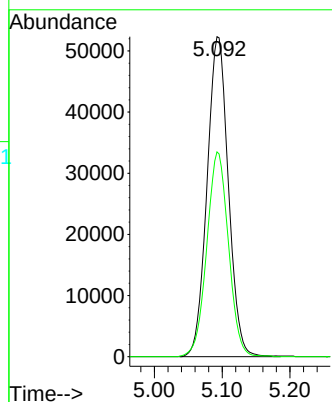
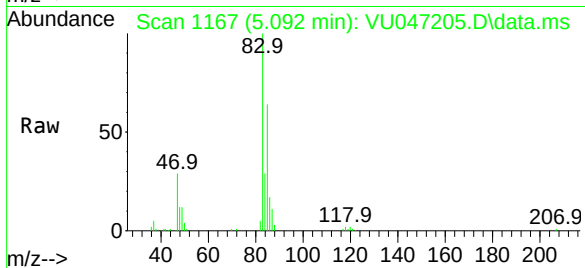
VSTD005194

Tgt Ion: 83 Resp: 114063

Ion Ratio Lower Upper

83 100

85 64.0 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.891 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU047205.D

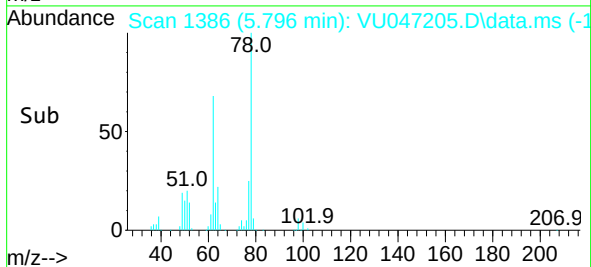
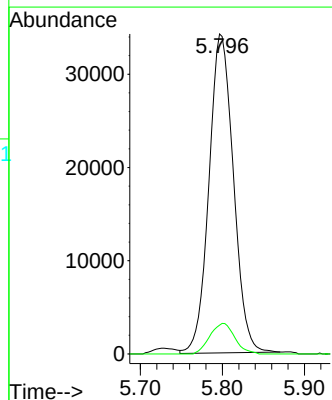
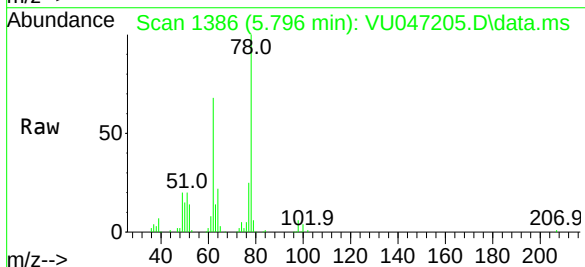
Acq: 17 Feb 2022 15:01

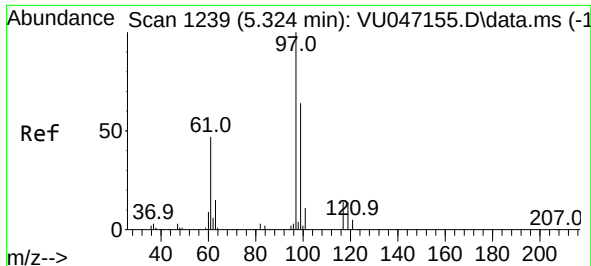
Tgt Ion: 62 Resp: 70871

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.241 ug/L

RT: 5.321 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

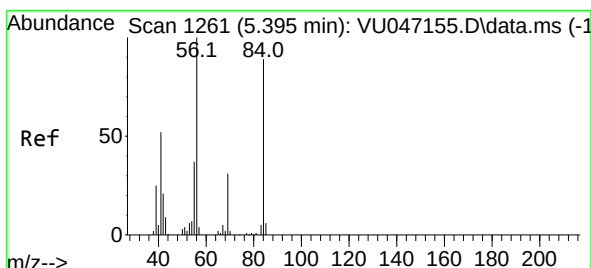
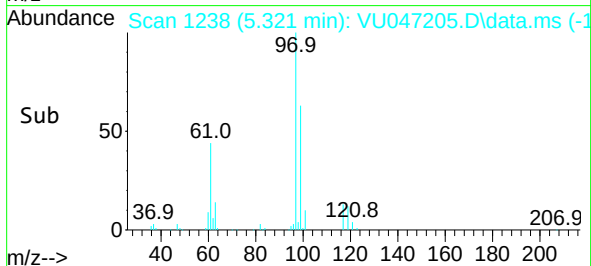
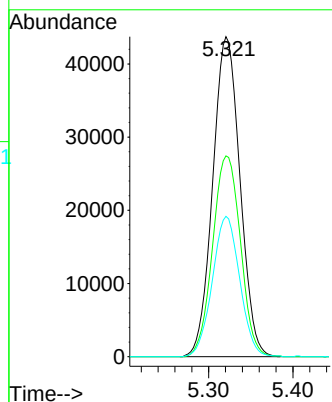
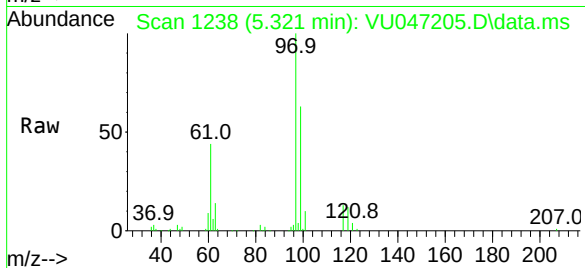
Tgt Ion: 97 Resp: 98198

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 44.1 36.1 54.1



#30

Cyclohexane

Concen: 5.016 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

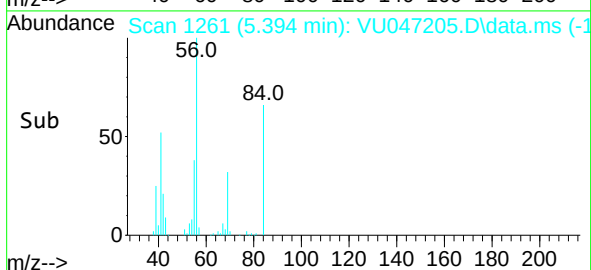
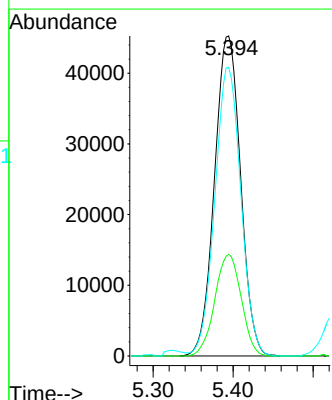
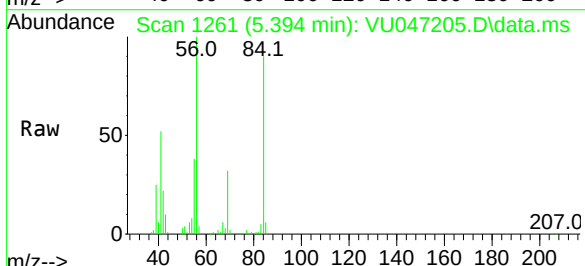
Tgt Ion: 56 Resp: 102553

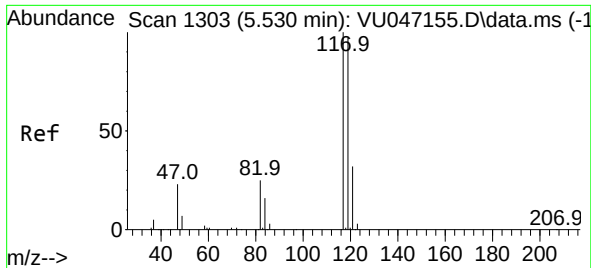
Ion Ratio Lower Upper

56 100

69 32.1 24.7 37.1

84 90.4 71.8 107.6

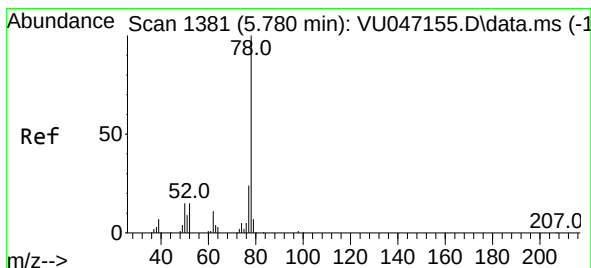
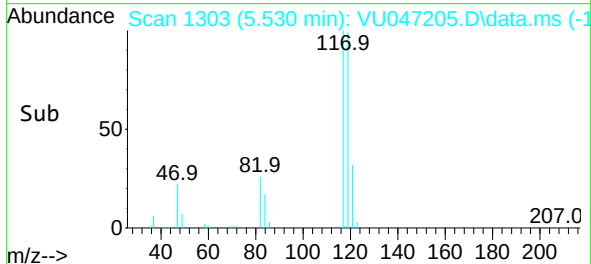
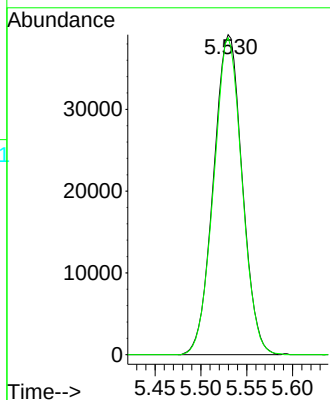
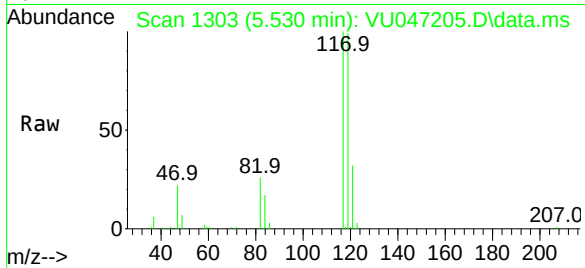




#31  
Carbon tetrachloride  
Concen: 5.231 ug/L  
RT: 5.530 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

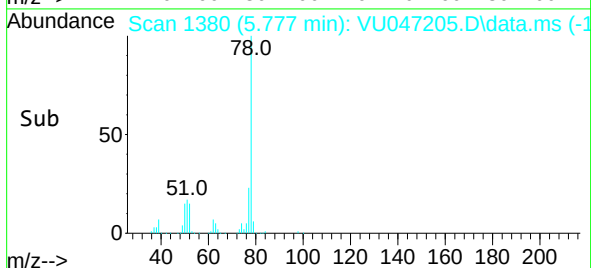
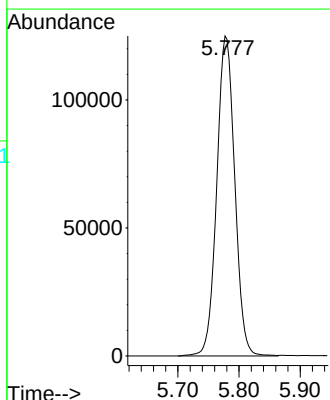
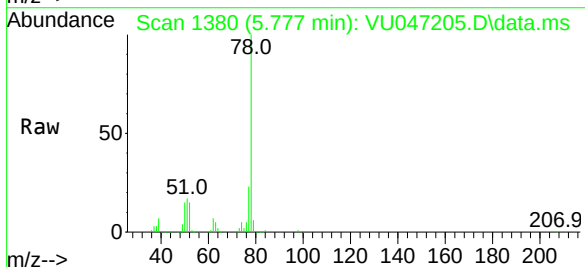
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

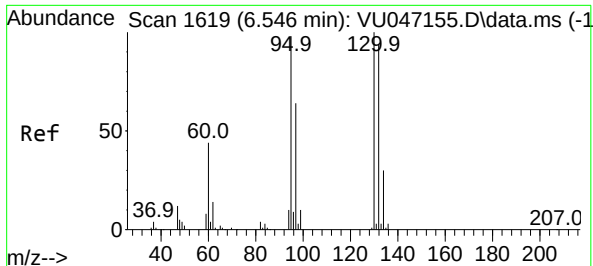
Tgt Ion:117 Resp: 85327  
Ion Ratio Lower Upper  
117 100  
119 97.5 77.5 116.3



#33  
Benzene  
Concen: 5.195 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

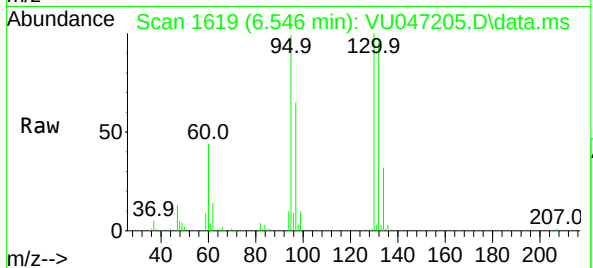
Tgt Ion: 78 Resp: 255390



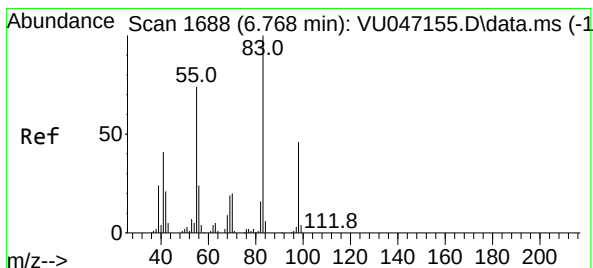
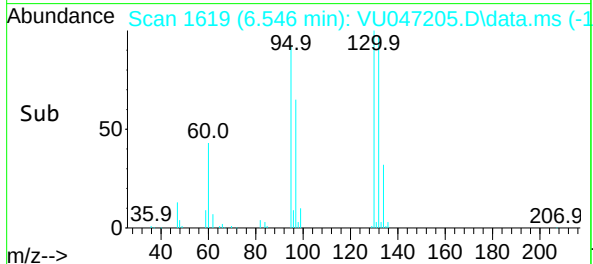
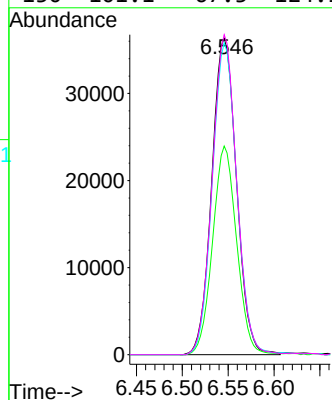


#34  
Trichloroethene  
Concen: 5.196 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

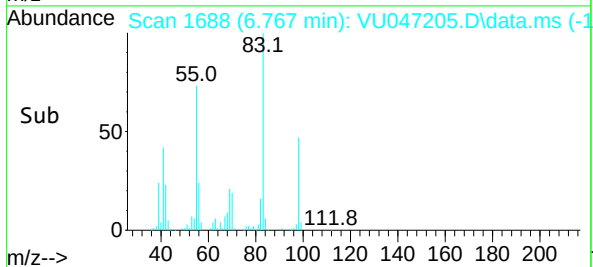
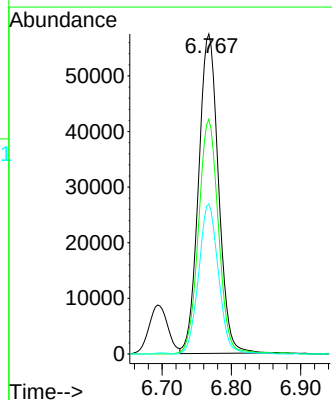
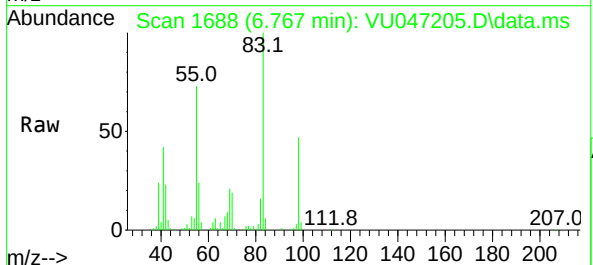


Tgt Ion: 95 Resp: 68137  
Ion Ratio Lower Upper  
95 100  
97 65.9 46.5 86.5  
132 98.6 65.1 120.9  
130 101.1 67.3 124.9

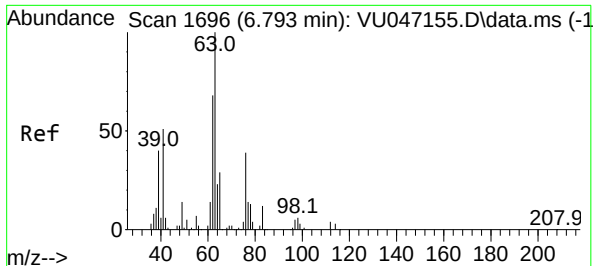


#35  
Methylcyclohexane  
Concen: 5.175 ug/L  
RT: 6.767 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 83 Resp: 114509  
Ion Ratio Lower Upper  
83 100  
55 73.5 61.9 92.9  
98 46.7 39.0 58.6







#37

1,2-Dichloropropane

Concen: 5.058 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

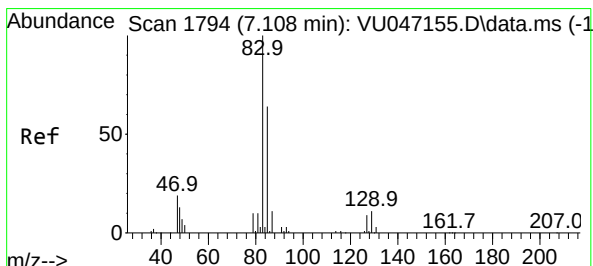
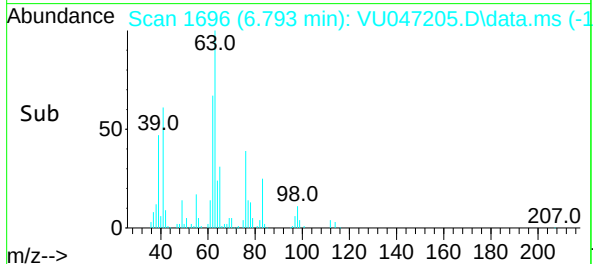
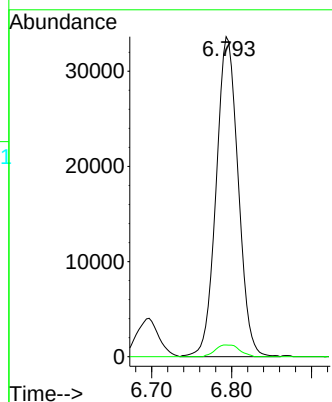
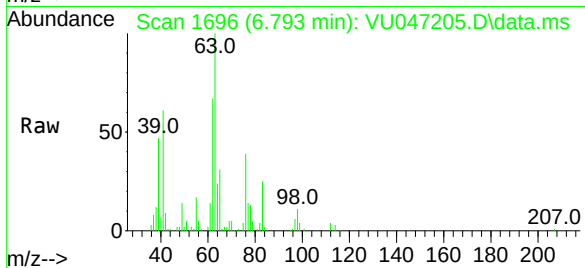
VSTD005194

Tgt Ion: 63 Resp: 64271

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 5.061 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

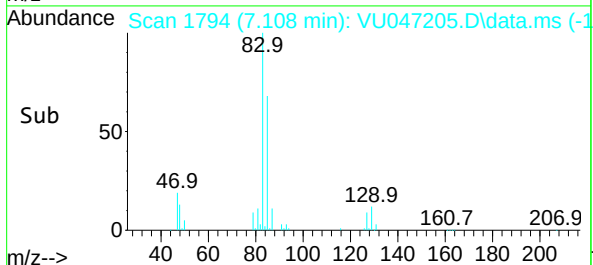
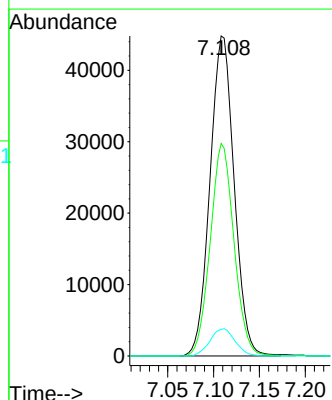
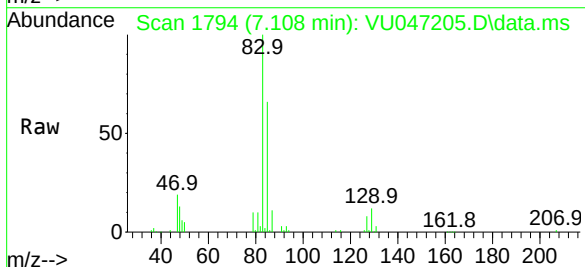
Tgt Ion: 83 Resp: 82166

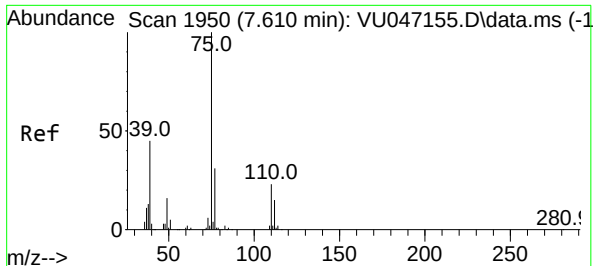
Ion Ratio Lower Upper

83 100

85 66.4 44.0 81.8

127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.961 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

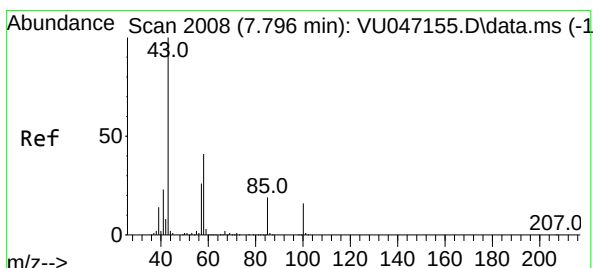
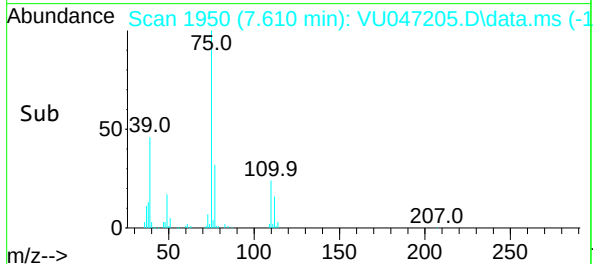
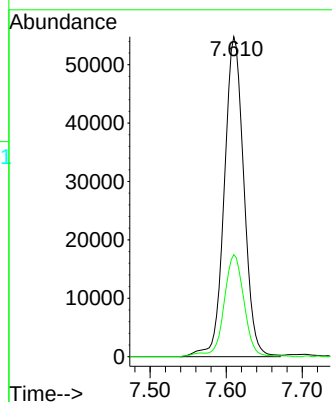
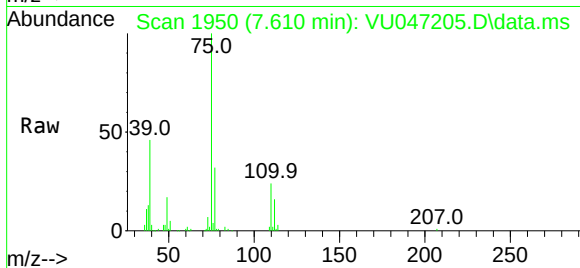
VSTD005194

Tgt Ion: 75 Resp: 98025

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 43.546 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

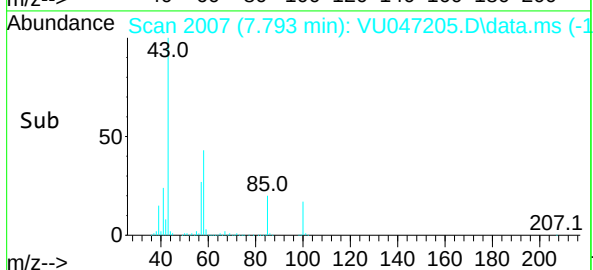
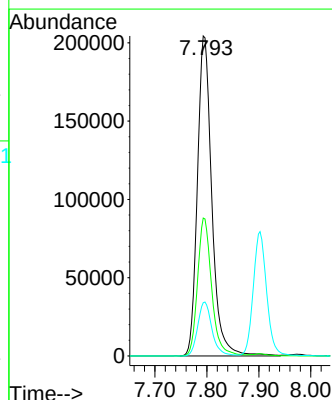
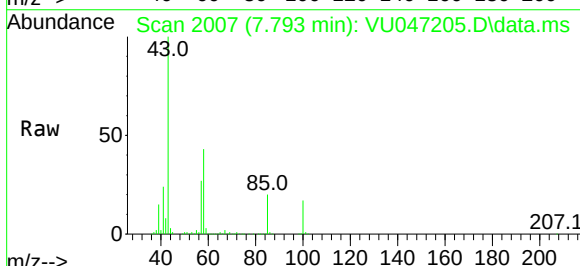
Tgt Ion: 43 Resp: 394849

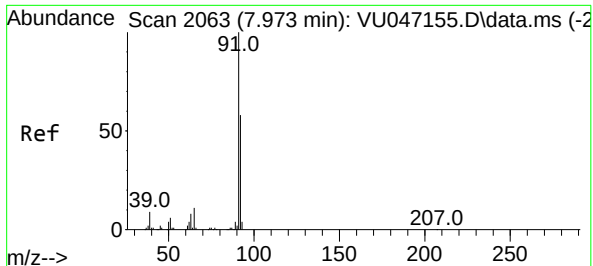
Ion Ratio Lower Upper

43 100

58 42.0 33.1 49.7

100 16.7 13.2 19.8

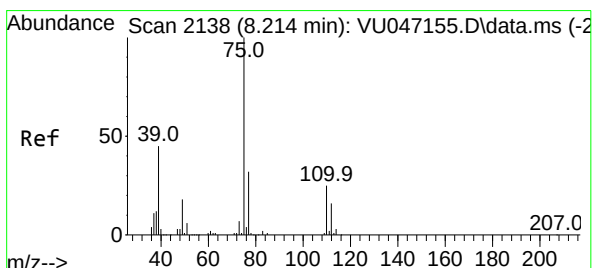
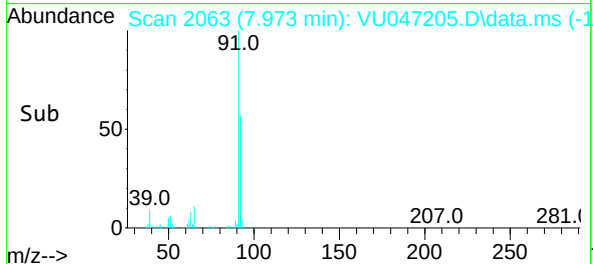
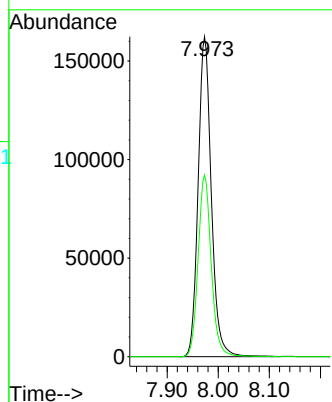
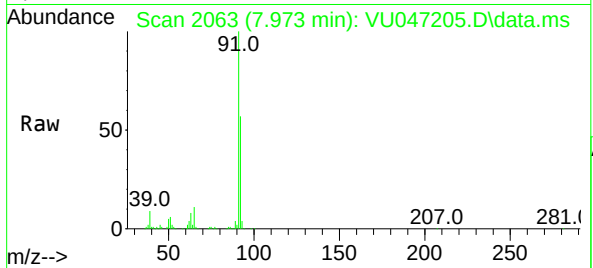




#42  
Toluene  
Concen: 5.309 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

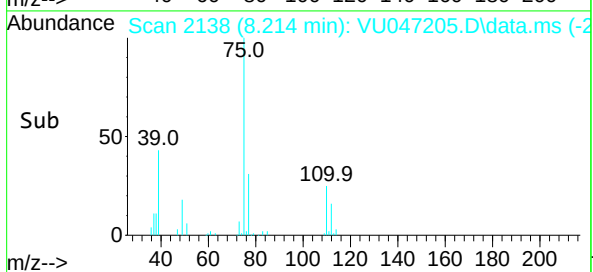
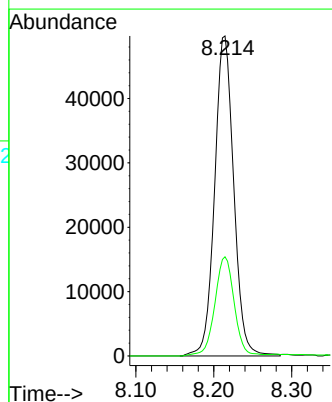
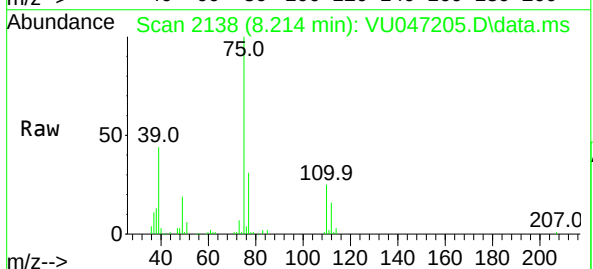
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

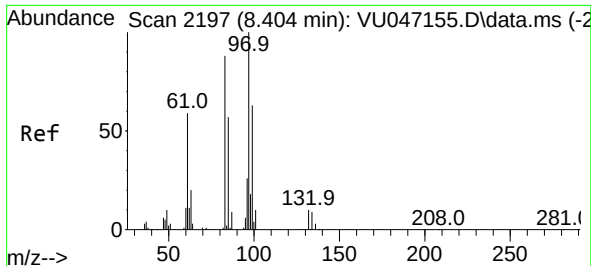
Tgt Ion: 91 Resp: 290527  
Ion Ratio Lower Upper  
91 100  
92 56.8 41.3 76.7



#44  
trans-1,3-Dichloropropene  
Concen: 4.763 ug/L  
RT: 8.214 min Scan# 2138  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 75 Resp: 84791  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.7 42.3

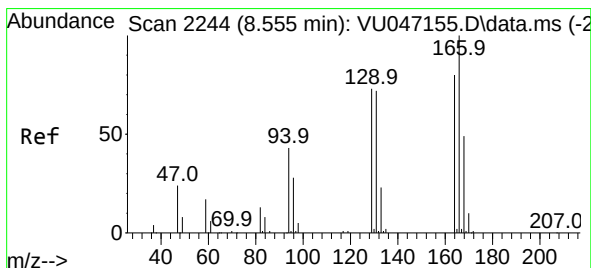
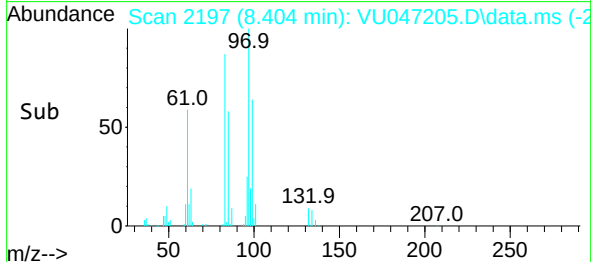
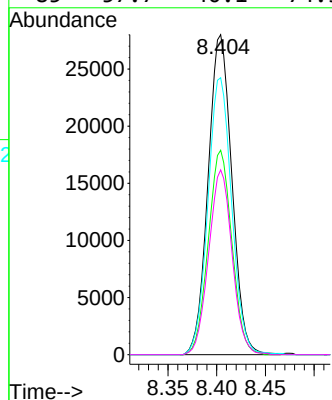
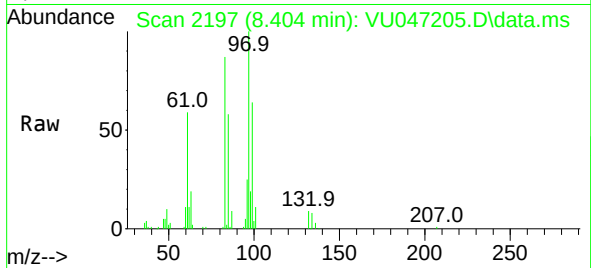




#45  
1,1,2-Trichloroethane  
Concen: 4.823 ug/L  
RT: 8.404 min Scan# 2197  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

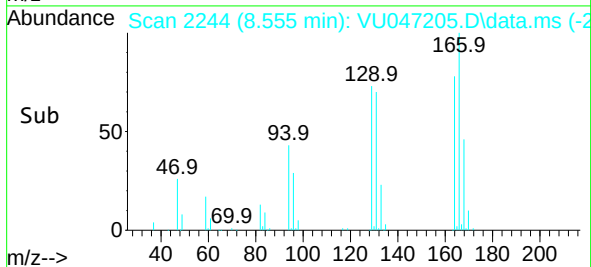
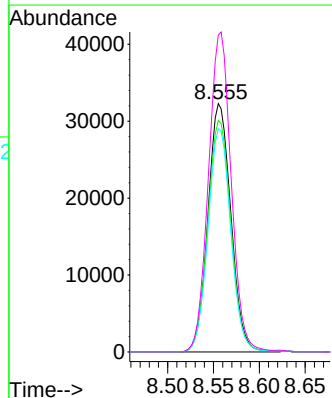
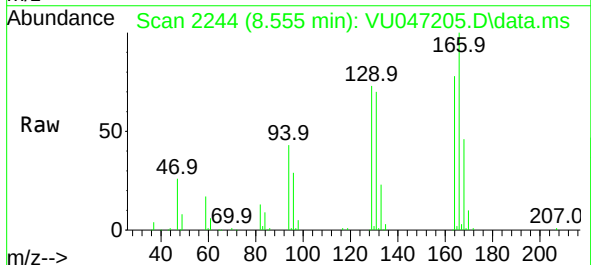
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

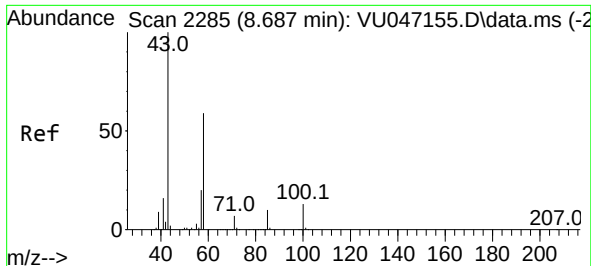
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 47596 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.9  | 42.3  | 78.5  |
| 83       | 86.6  | 62.0  | 115.2 |
| 85       | 57.7  | 40.1  | 74.5  |



#47  
Tetrachloroethene  
Concen: 5.291 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

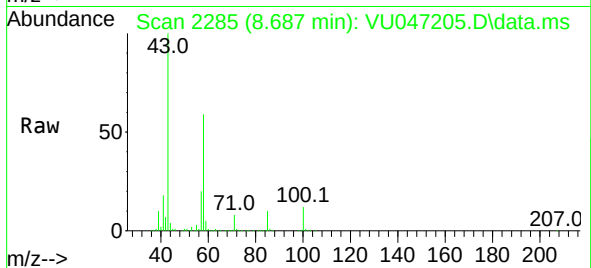
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 56306 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 93.2  | 71.8  | 133.4 |
| 131      | 89.8  | 68.5  | 127.3 |
| 166      | 127.6 | 94.1  | 174.8 |



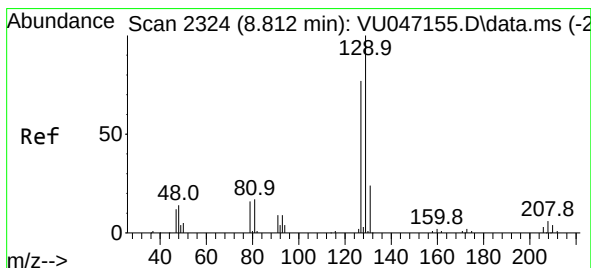
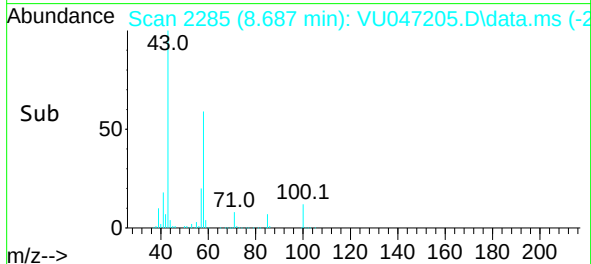
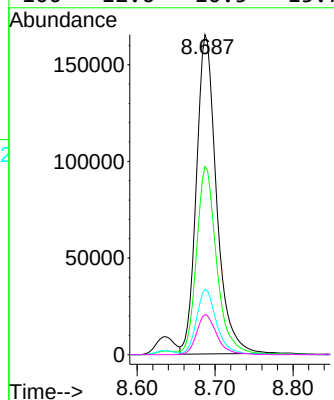


#48  
2-Hexanone  
Concen: 43.970 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

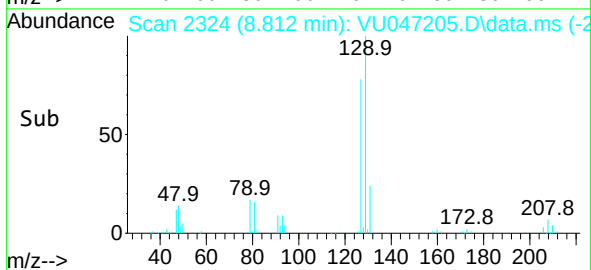
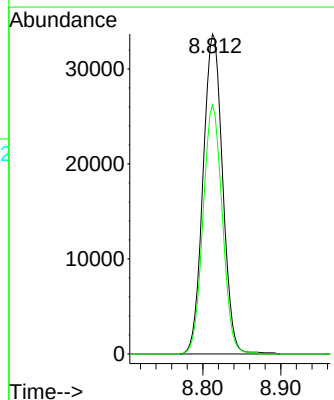
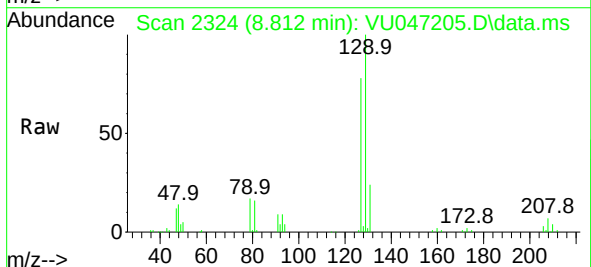


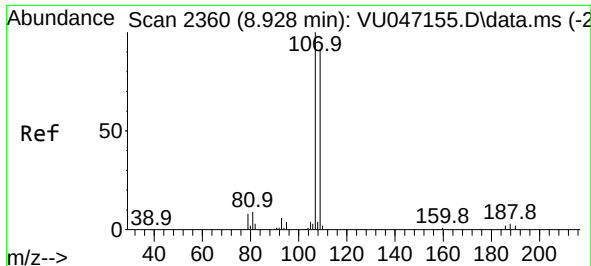
Tgt Ion: 43 Resp: 296430  
Ion Ratio Lower Upper  
43 100  
58 59.6 46.7 70.1  
57 20.4 16.3 24.5  
100 12.6 10.5 15.7



#49  
Dibromochloromethane  
Concen: 4.940 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 129 Resp: 58725  
Ion Ratio Lower Upper  
129 100  
127 77.9 55.4 102.8

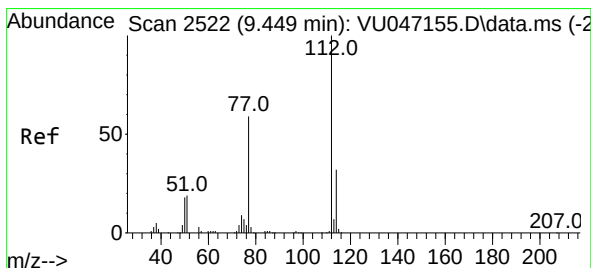
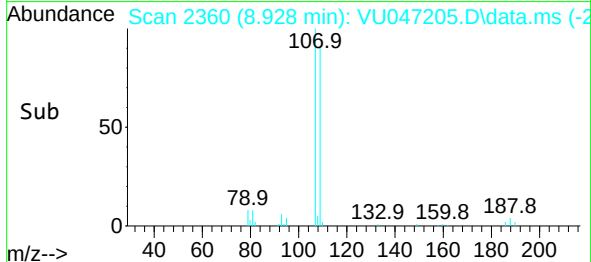
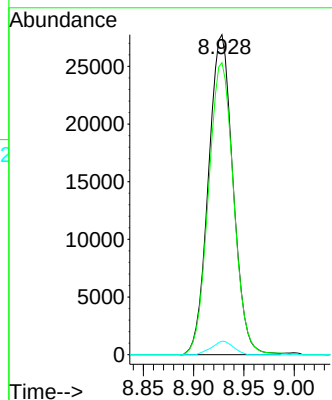
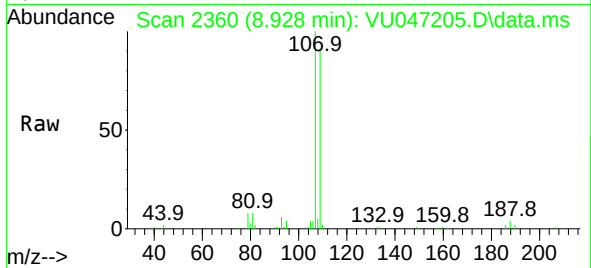




#50  
1,2-Dibromoethane  
Concen: 4.741 ug/L  
RT: 8.928 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

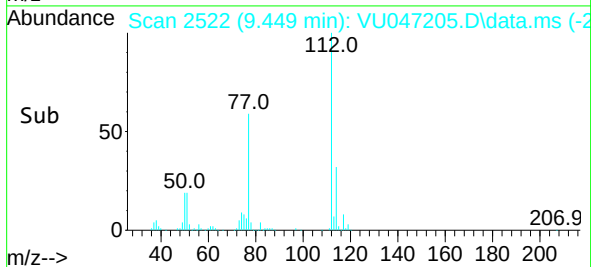
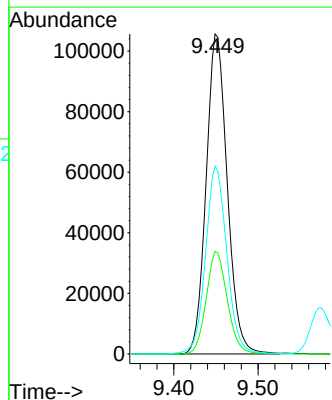
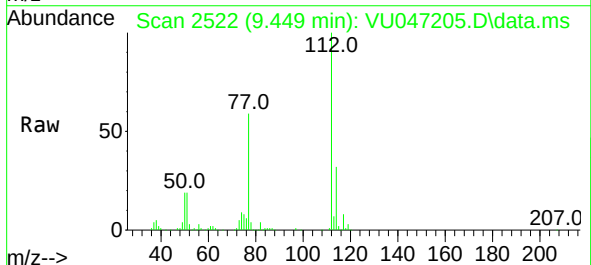
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

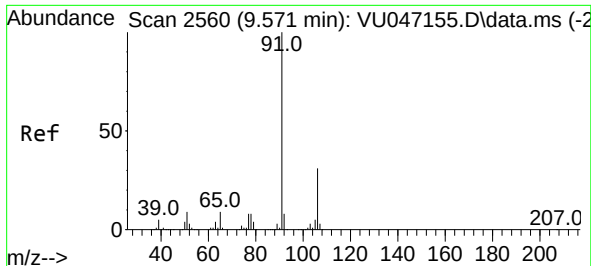
Tgt Ion:107 Resp: 47186  
Ion Ratio Lower Upper  
107 100  
109 91.3 64.0 119.0  
188 4.2 2.4 3.6#



#51  
Chlorobenzene  
Concen: 5.219 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion:112 Resp: 184375  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.1 41.1  
77 58.7 48.3 72.5

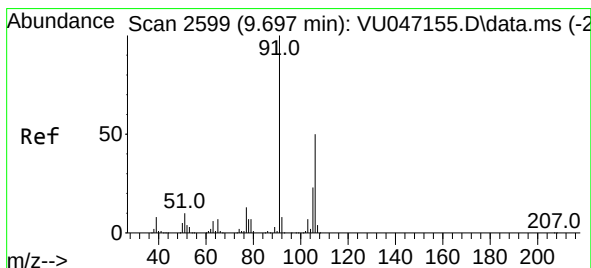
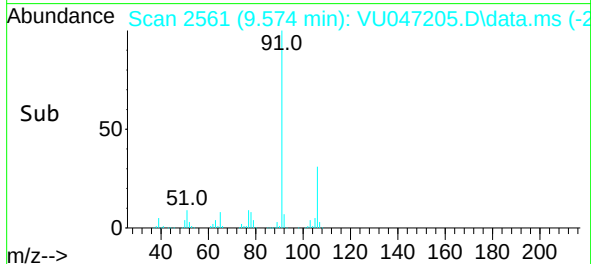
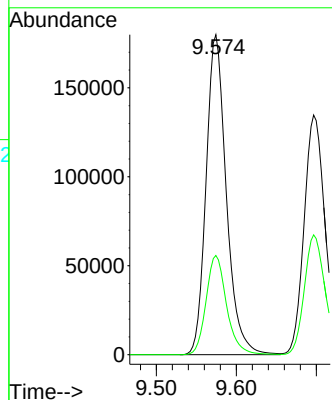
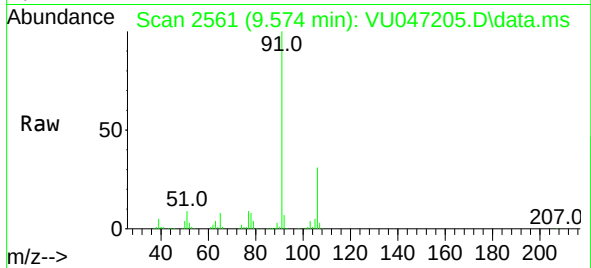




#52  
Ethylbenzene  
Concen: 5.283 ug/L  
RT: 9.574 min Scan# 2560  
Delta R.T. 0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

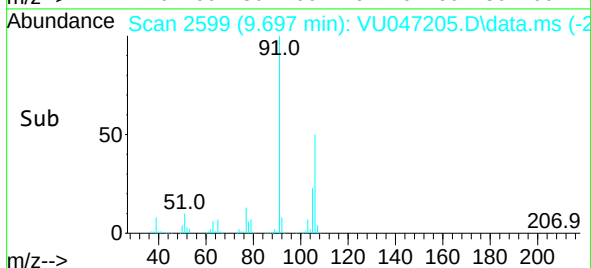
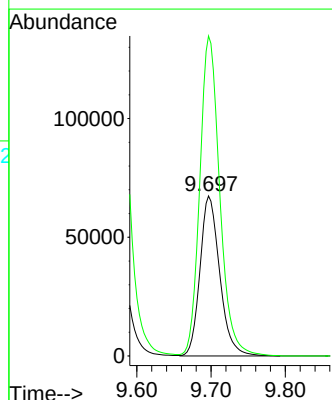
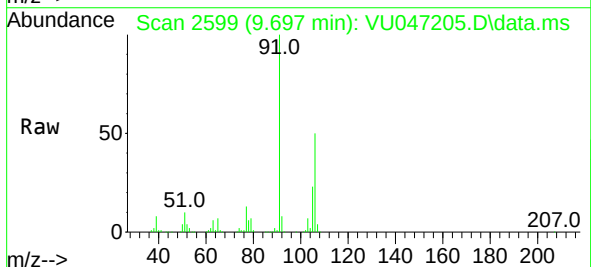
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

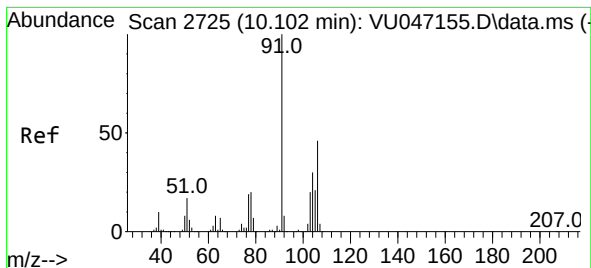
Tgt Ion: 91 Resp: 316830  
Ion Ratio Lower Upper  
91 100  
106 31.0 21.5 39.9



#53  
m,p-Xylene  
Concen: 5.283 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 106 Resp: 124379  
Ion Ratio Lower Upper  
106 100  
91 200.0 139.4 259.0





#54

o-Xylene

Concen: 5.151 ug/L

RT: 10.105 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

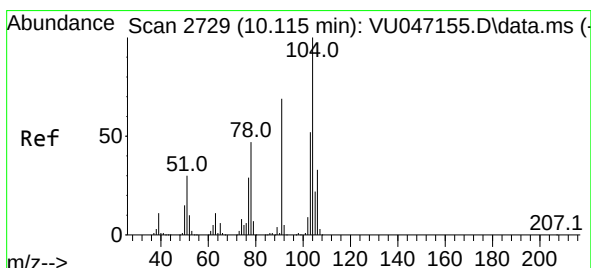
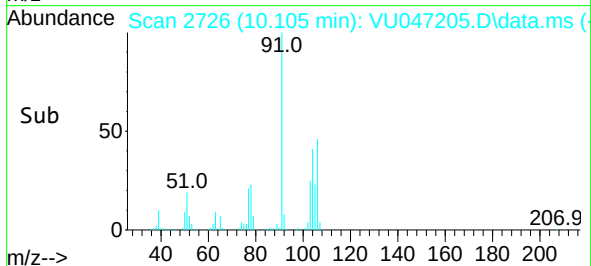
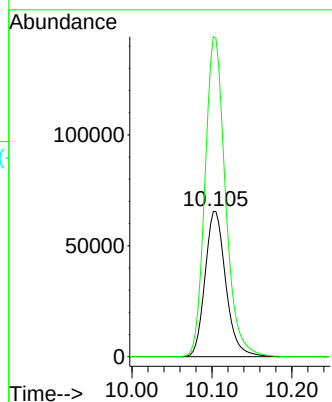
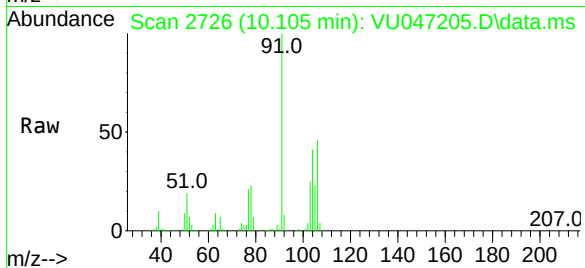
VSTD005194

Tgt Ion:106 Resp: 118120

Ion Ratio Lower Upper

106 100

91 219.2 147.5 273.9



#55

Styrene

Concen: 5.289 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU047205.D

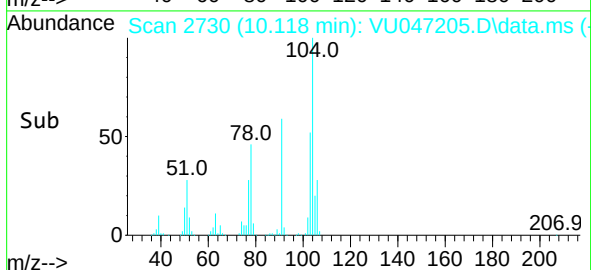
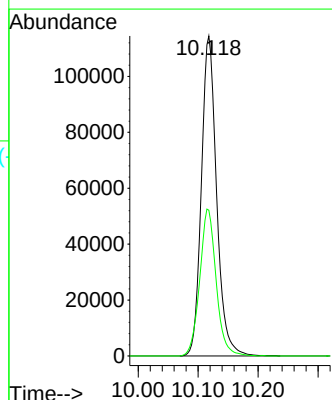
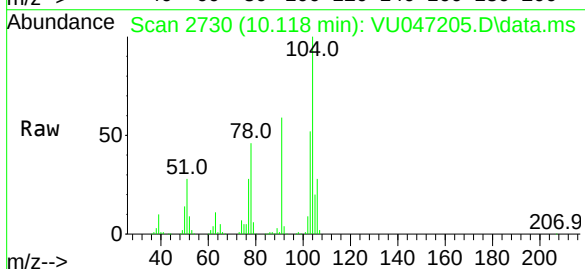
Acq: 17 Feb 2022 15:01

Tgt Ion:104 Resp: 202885

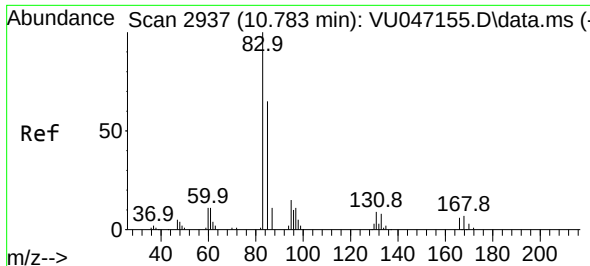
Ion Ratio Lower Upper

104 100

78 45.5 33.0 61.4



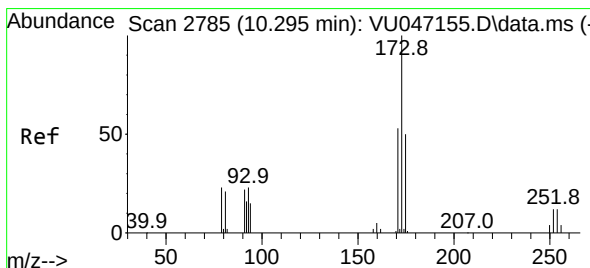
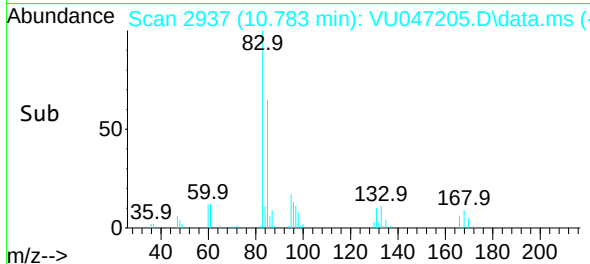
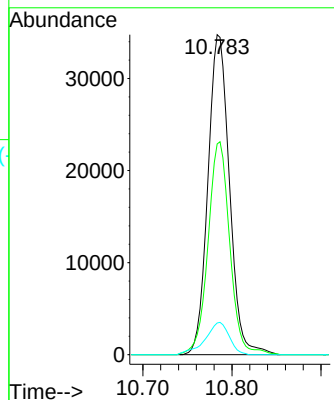
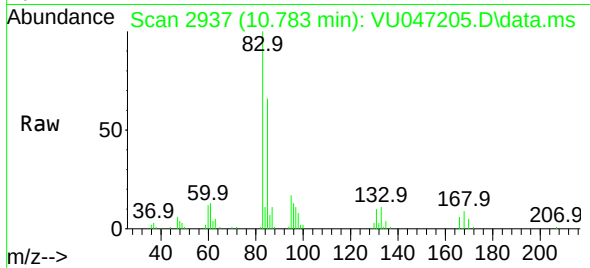




#57  
1,1,2-Tetrachloroethane  
Concen: 4.461 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

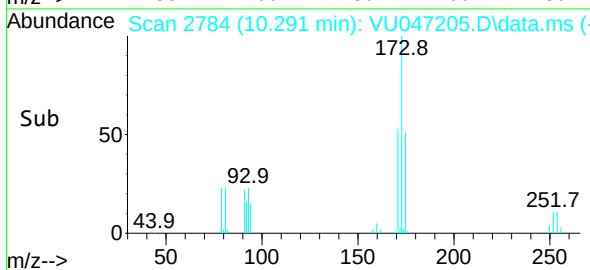
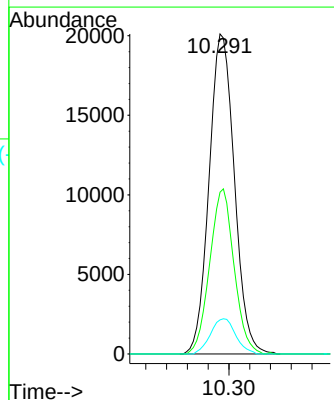
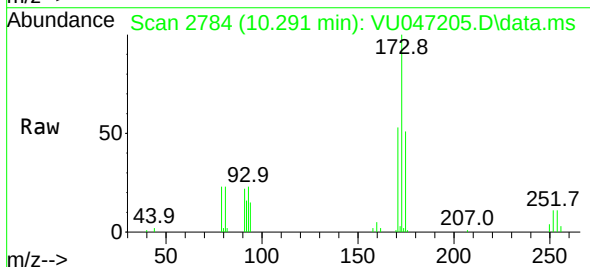
Instrument : MSVOA\_U  
ClientSampleId : VSTD005194

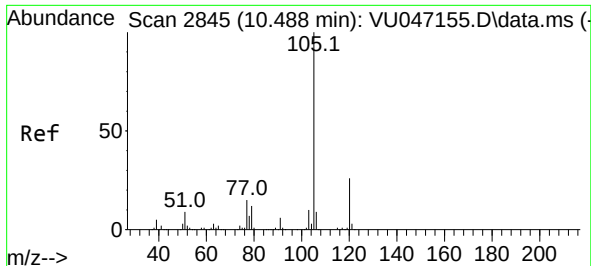
Tgt Ion: 83 Resp: 58260  
Ion Ratio Lower Upper  
83 100  
85 65.8 47.9 89.1  
131 9.9 8.1 12.1



#59  
Bromoform  
Concen: 4.600 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 173 Resp: 33960  
Ion Ratio Lower Upper  
173 100  
175 49.6 37.8 56.6  
254 11.0 7.3 10.9

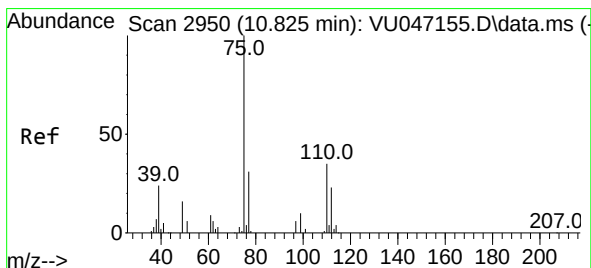
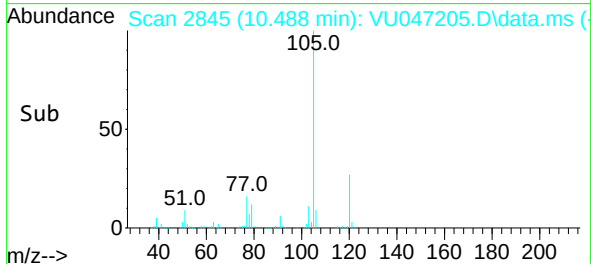
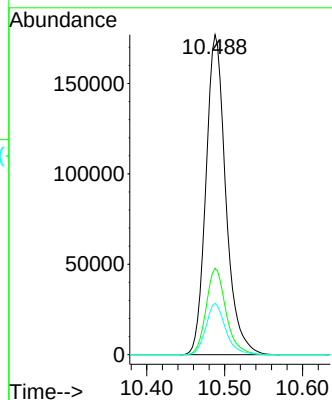
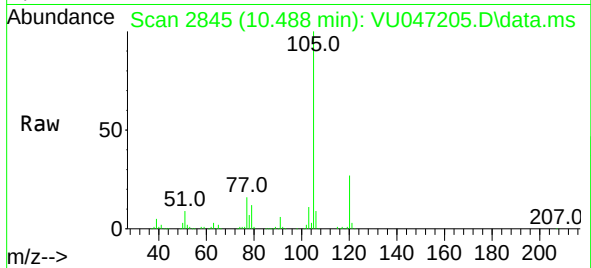




#60  
Isopropylbenzene  
Concen: 5.260 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

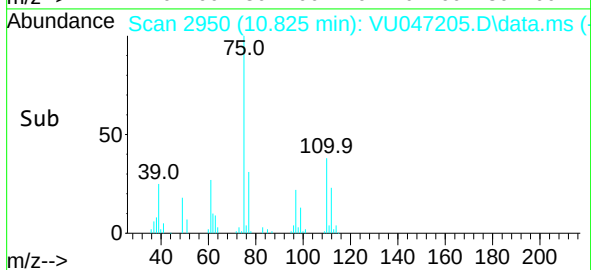
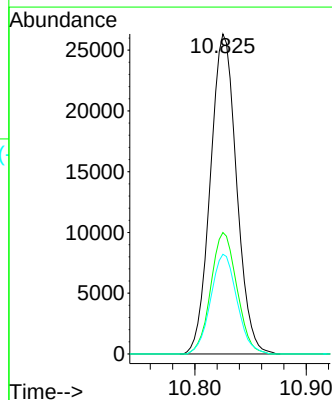
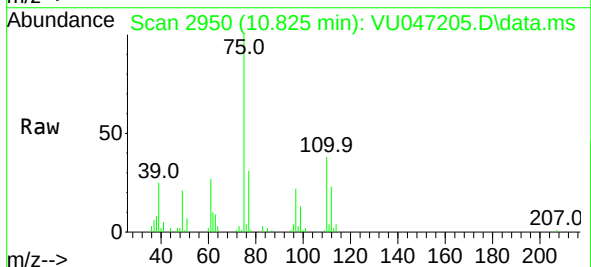
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

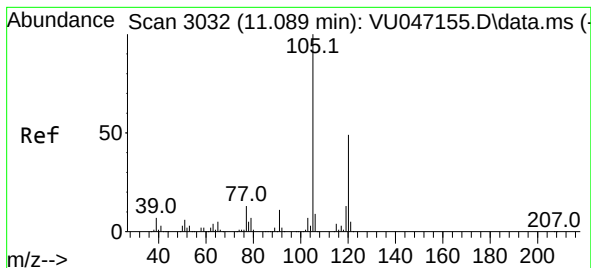
Tgt Ion:105 Resp: 312846  
Ion Ratio Lower Upper  
105 100  
120 27.0 20.7 31.1  
77 15.9 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 4.439 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion: 75 Resp: 42973  
Ion Ratio Lower Upper  
75 100  
110 37.8 29.9 44.9  
77 31.3 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.178 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

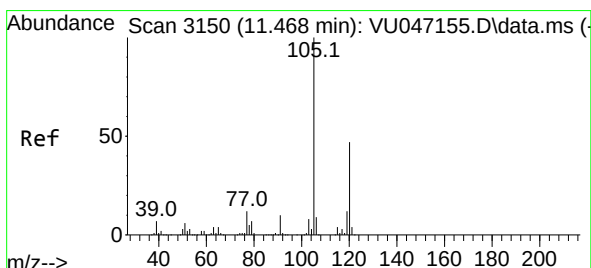
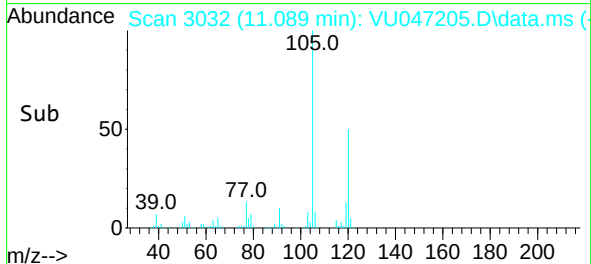
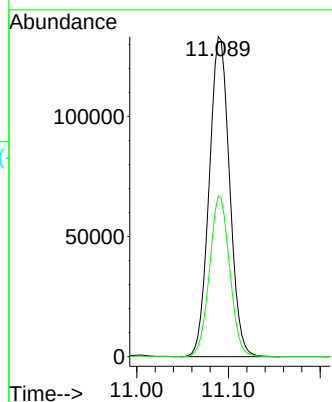
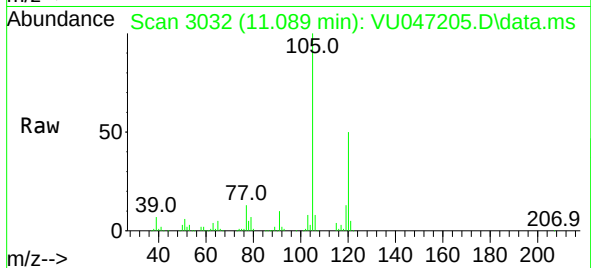
VSTD005194

Tgt Ion:105 Resp: 205665

Ion Ratio Lower Upper

105 100

120 49.6 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.181 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047205.D

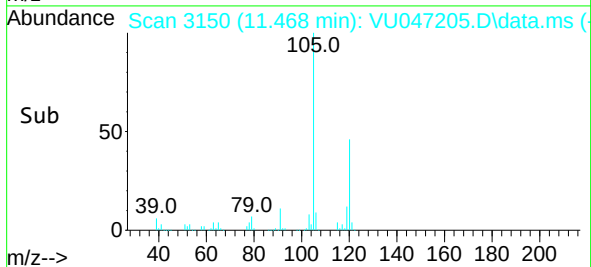
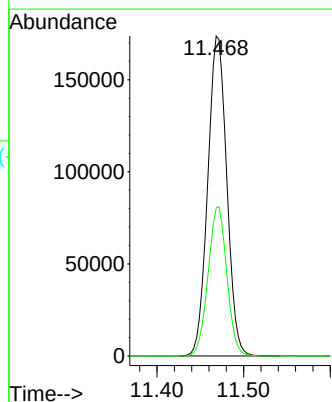
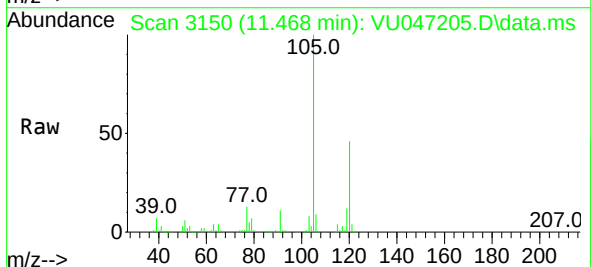
Acq: 17 Feb 2022 15:01

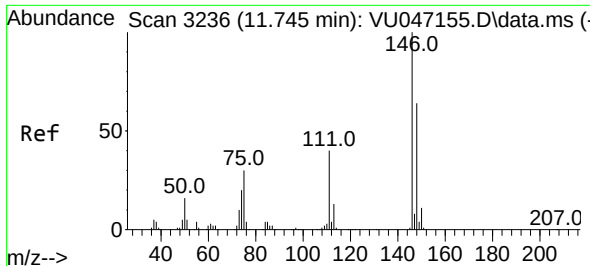
Tgt Ion:105 Resp: 264909

Ion Ratio Lower Upper

105 100

120 46.0 35.8 53.8

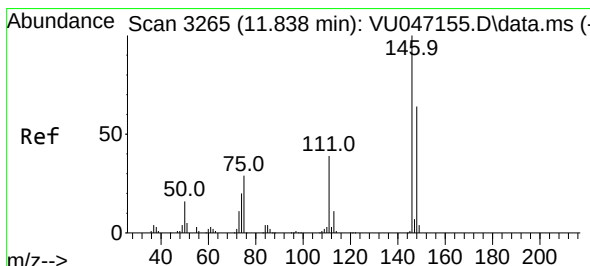
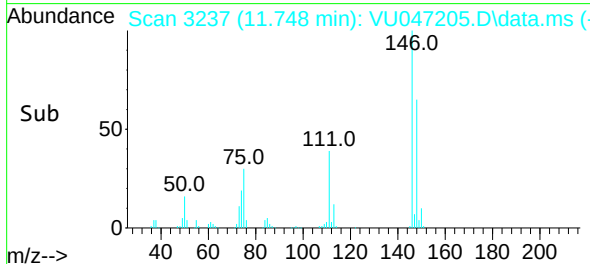
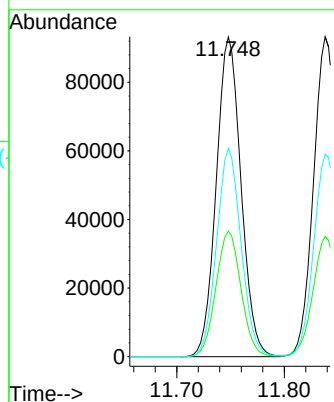
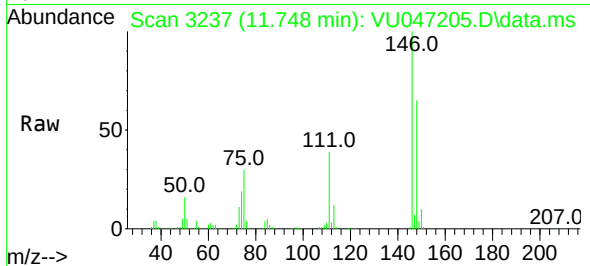




#64  
1,3-Dichlorobenzene  
Concen: 5.198 ug/L  
RT: 11.748 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

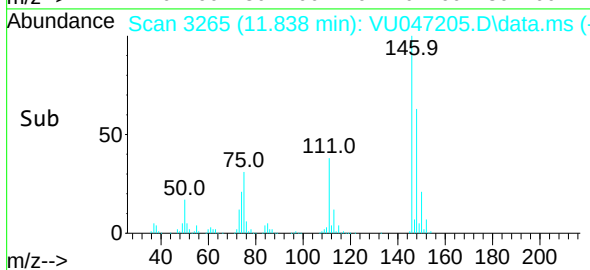
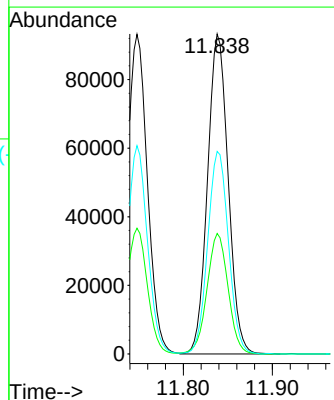
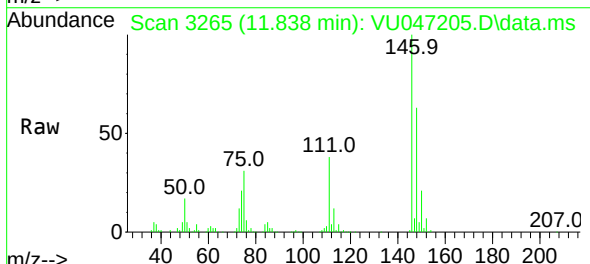
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

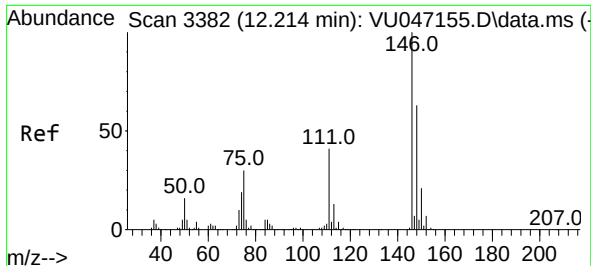
Tgt Ion:146 Resp: 149107  
Ion Ratio Lower Upper  
146 100  
111 39.3 29.9 55.5  
148 65.2 44.3 82.3



#65  
1,4-Dichlorobenzene  
Concen: 5.162 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. -0.000 min  
Lab File: VU047205.D  
Acq: 17 Feb 2022 15:01

Tgt Ion:146 Resp: 149841  
Ion Ratio Lower Upper  
146 100  
111 37.7 28.7 53.3  
148 63.3 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.114 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

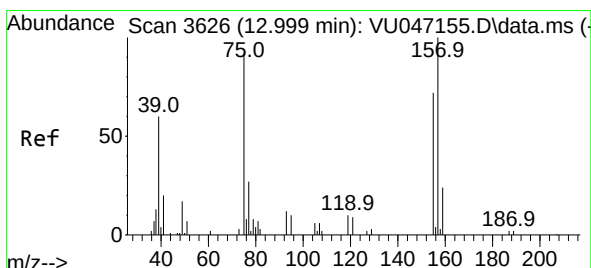
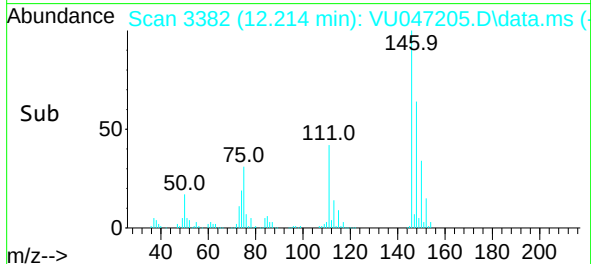
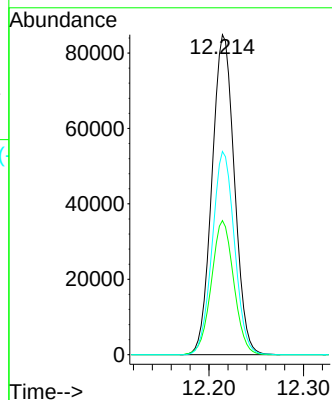
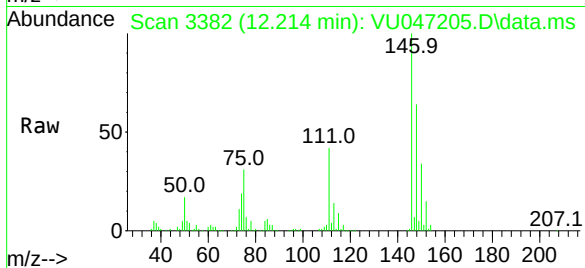
Tgt Ion:146 Resp: 139727

Ion Ratio Lower Upper

146 100

111 41.9 35.4 53.0

148 63.5 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.162 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

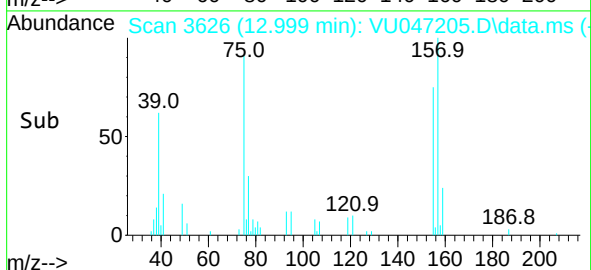
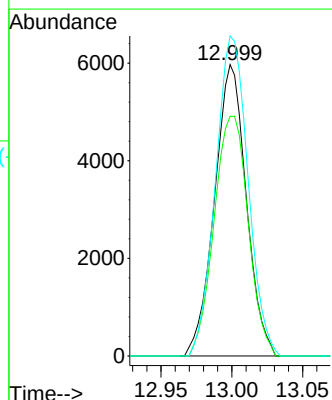
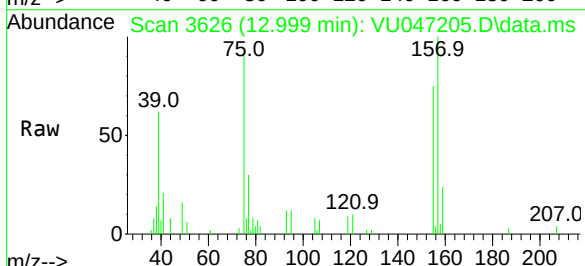
Tgt Ion: 75 Resp: 9307

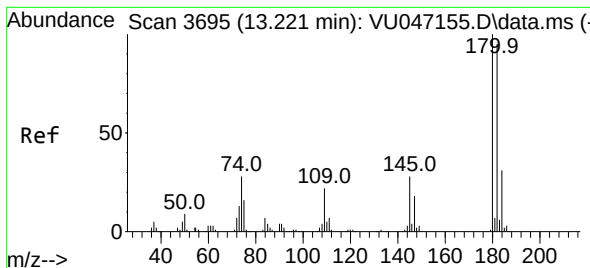
Ion Ratio Lower Upper

75 100

155 82.3 59.2 88.8

157 109.8 76.5 114.7





#69

1,3,5-Trichlorobenzene

Concen: 5.308 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

Tgt Ion:180 Resp: 125819

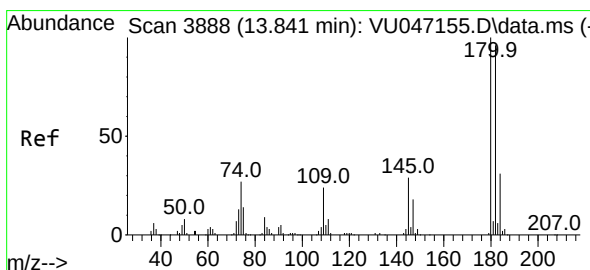
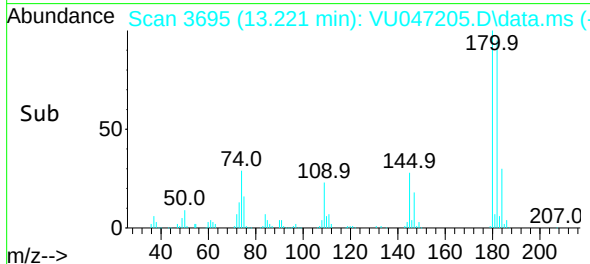
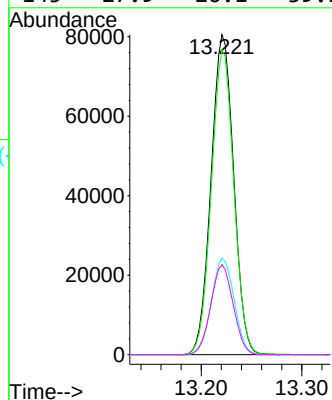
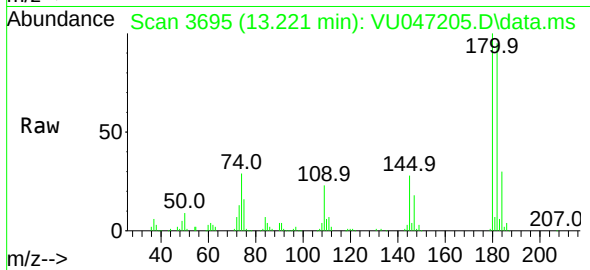
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

184 30.3 25.0 37.4

145 27.9 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 5.057 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

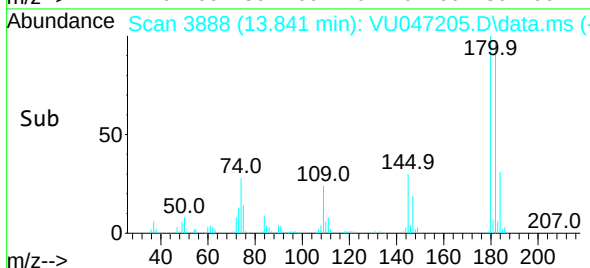
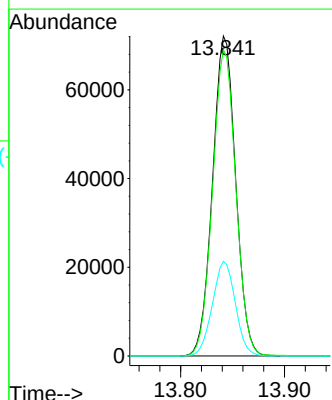
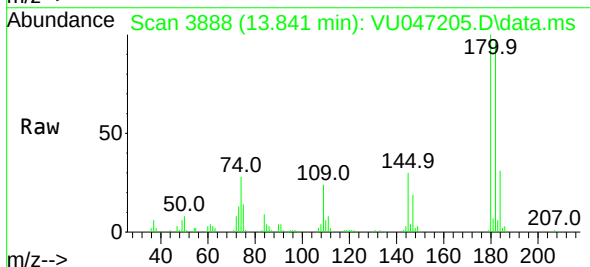
Tgt Ion:180 Resp: 111577

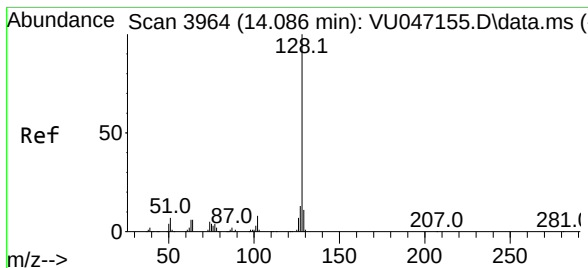
Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 29.3 25.6 38.4





#71

Naphthalene

Concen: 4.454 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

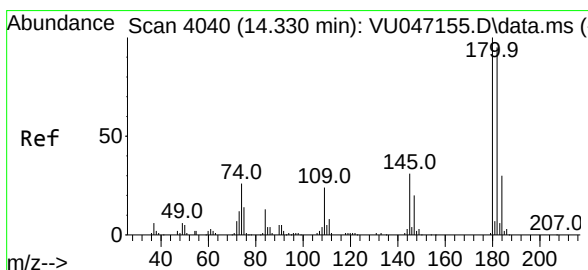
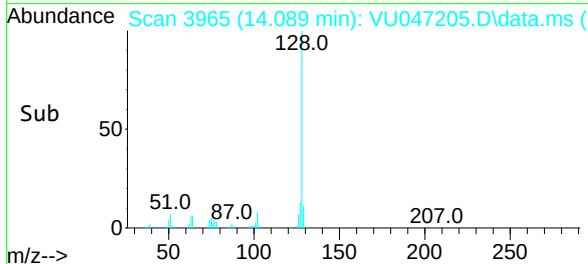
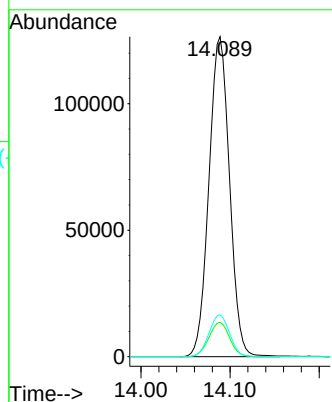
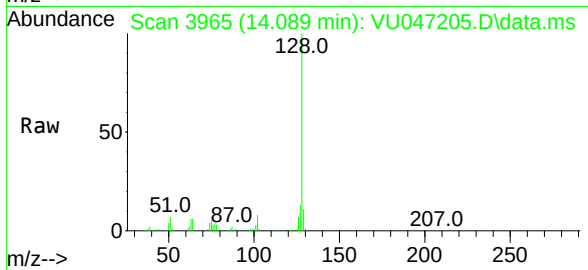
Tgt Ion:128 Resp: 202824

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

127 13.1 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.883 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU047205.D

Acq: 17 Feb 2022 15:01

Tgt Ion:180 Resp: 101342

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 29.8 28.4 42.6

