

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021622\  
 Data File : VU047174.D  
 Acq On : 16 Feb 2022 20:27  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 17 04:08:44 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   | 179858   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 185461   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 109243   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 74710    | 4.918    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.400%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 59847    | 4.971    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 30254    | 4.816    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.400%  |
| 20) 2-Butanone-d5             | 4.645  | 46    | 210495   | 57.976   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.960% |
| 24) Chloroform-d              | 5.070  | 84    | 131823   | 5.224    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.400% |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 69298    | 4.939    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.800%  |
| 32) Benzene-d6                | 5.732  | 84    | 264397   | 5.102    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.000% |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 84595    | 5.130    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.600% |
| 41) Toluene-d8                | 7.899  | 98    | 254648   | 5.023    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 35012    | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.600%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 186656   | 47.427   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 72448    | 4.834    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 99723    | 5.088    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.800% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 76468    | 5.028    | ug/L   | 100      |
| 3) Chloromethane              | 1.527  | 50    | 85922    | 5.208    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607  | 62    | 84744    | 5.085    | ug/L   | 100      |
| 6) Bromomethane               | 1.864  | 94    | 45042    | 4.598    | ug/L   | 99       |
| 8) Chloroethane               | 1.941  | 64    | 50481    | 5.252    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 107707   | 5.303    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 61622    | 5.029    | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 59549    | 5.031    | ug/L   | 84       |
| 13) Acetone                   | 2.665  | 43    | 102695   | 56.499   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.800  | 76    | 197679   | 5.007    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.964  | 43    | 27050    | 4.808    | ug/L   | 97       |
| 16) Methylene chloride        | 3.054  | 84    | 67431    | 5.114    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 159684   | 4.937    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 65746    | 5.140    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 115244   | 5.154    | ug/L   | 100      |
| 21) 2-Butanone                | 4.723  | 43    | 185239   | 54.267   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 72110    | 5.180    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.980  | 128   | 32611    | 4.997    | ug/L   | 91       |
| 25) Chloroform                | 5.092  | 83    | 118204   | 5.049    | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021622\  
 Data File : VU047174.D  
 Acq On : 16 Feb 2022 20:27  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

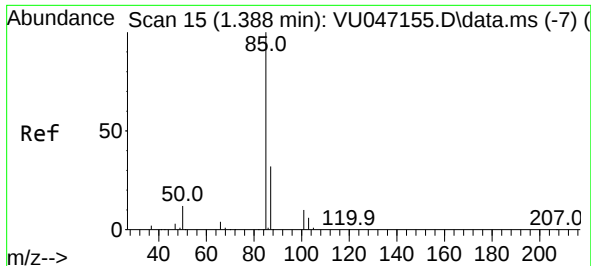
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 17 04:08:44 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        | 5.800  | 62   | 78054    | 4.987  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 102948   | 5.126  | ug/L   | 99       |
| 30) Cyclohexane               | 5.395  | 56   | 109947   | 5.016  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 90899    | 5.198  | ug/L   | 100      |
| 33) Benzene                   | 5.777  | 78   | 268918   | 5.103  | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 71583    | 5.093  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.768  | 83   | 117555   | 4.956  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 69425    | 5.097  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.108  | 83   | 87946    | 5.054  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 105304   | 4.971  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 447750   | 46.066 | ug/L   | 99       |
| 42) Toluene                   | 7.973  | 91   | 301302   | 5.136  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 92061    | 4.824  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 50991    | 4.821  | ug/L   | 100      |
| 47) Tetrachloroethene         | 8.555  | 164  | 58178    | 5.100  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.687  | 43   | 335886   | 46.479 | ug/L   | 100      |
| 49) Dibromochloromethane      | 8.812  | 129  | 62497    | 4.905  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 50525    | 4.736  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 194119   | 5.126  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 330193   | 5.136  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.697  | 106  | 129158   | 5.118  | ug/L   | 97       |
| 54) o-Xylene                  | 10.102 | 106  | 125977   | 5.125  | ug/L   | 97       |
| 55) Styrene                   | 10.118 | 104  | 211782   | 5.150  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 66158    | 4.726  | ug/L   | 96       |
| 59) Bromoform                 | 10.291 | 173  | 37716    | 4.741  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.488 | 105  | 330563   | 5.157  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 47407    | 4.544  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 215242   | 5.029  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 278612   | 5.057  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 155085   | 5.017  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 154763   | 4.948  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 146326   | 4.970  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 10831    | 4.495  | ug/L # | 84       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 126938   | 4.970  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 114324   | 4.808  | ug/L   | 98       |
| 71) Naphthalene               | 14.086 | 128  | 217442   | 4.431  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 104240   | 4.661  | ug/L   | 98       |

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

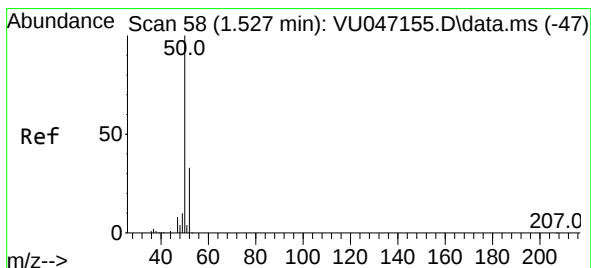
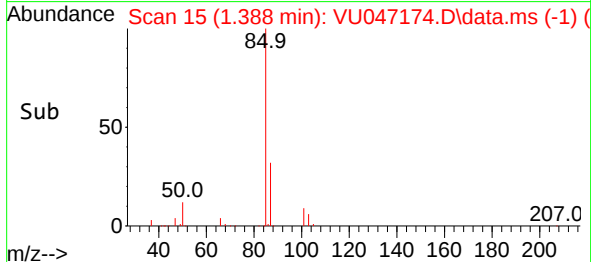
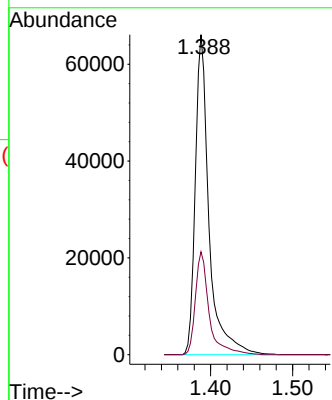
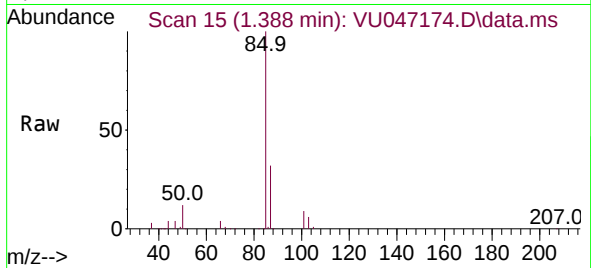




#2  
Dichlorodifluoromethane  
Concen: 5.028 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

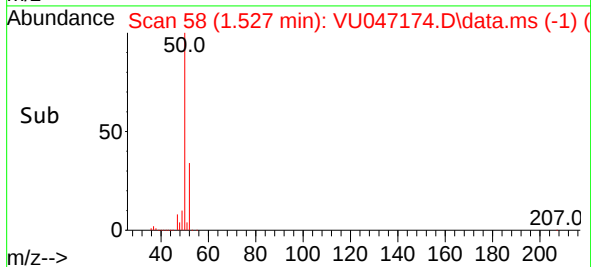
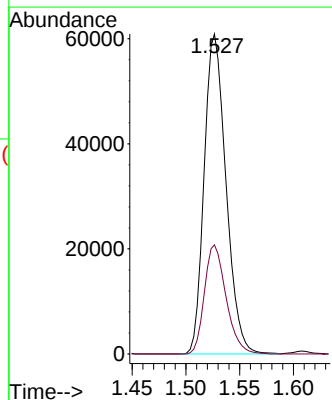
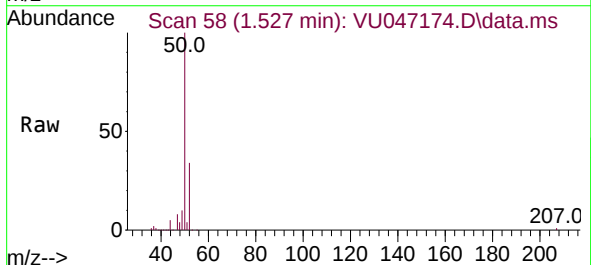
Instrument :  
MSVOA\_U  
ClientSampleId :

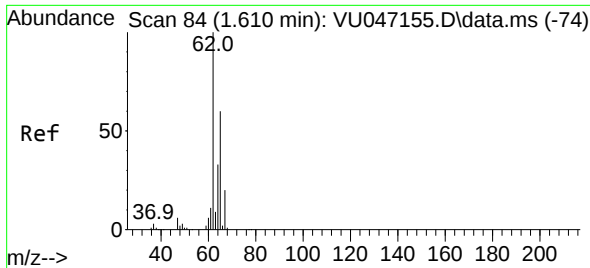
Tgt Ion: 85 Resp: 76468  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.8 38.6



#3  
Chloromethane  
Concen: 5.208 ug/L  
RT: 1.527 min Scan# 58  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 50 Resp: 85922  
Ion Ratio Lower Upper  
50 100  
52 34.1 23.0 42.8

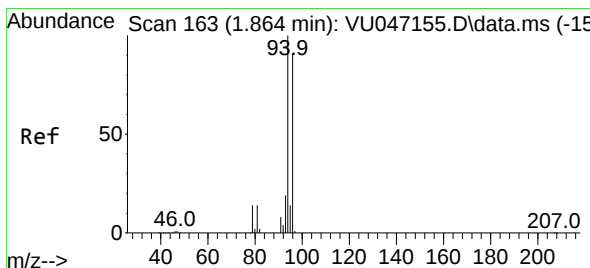
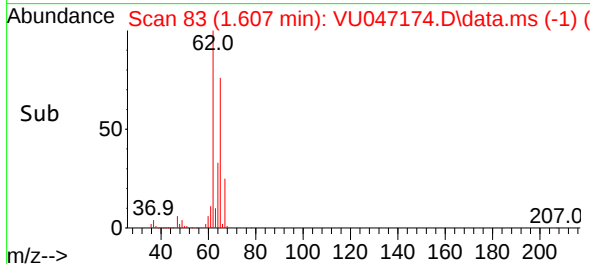
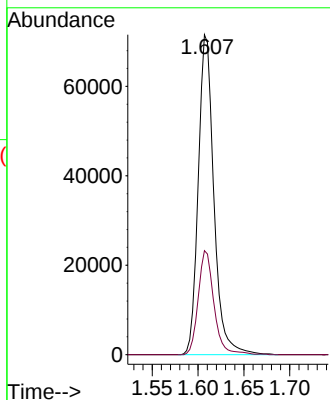
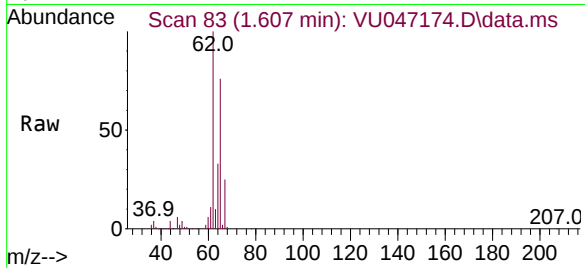




#5  
 Vinyl chloride  
 Concen: 5.085 ug/L  
 RT: 1.607 min Scan# 84  
 Delta R.T. -0.003 min  
 Lab File: VU047174.D  
 Acq: 16 Feb 2022 20:27

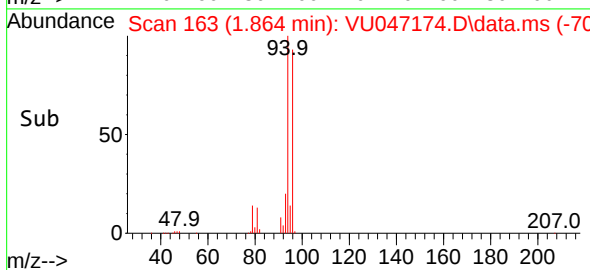
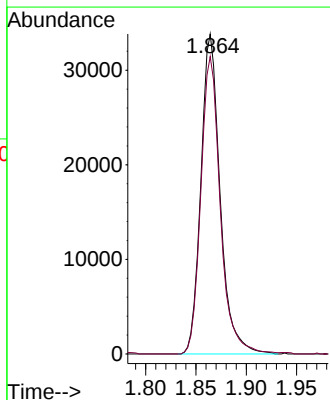
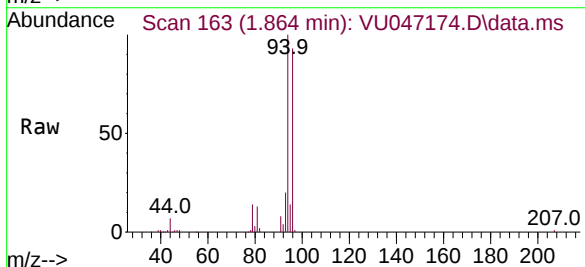
Instrument :  
 MSVOA\_U  
 ClientSampleId :

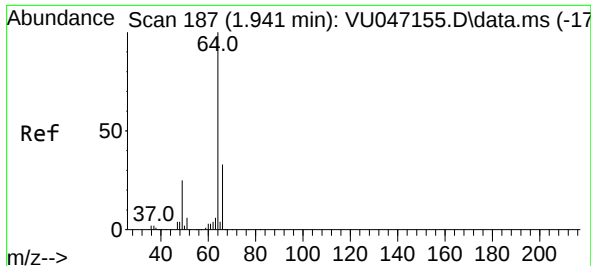
Tgt Ion: 62 Resp: 84744  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 22.9 42.5



#6  
 Bromomethane  
 Concen: 4.598 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. 0.000 min  
 Lab File: VU047174.D  
 Acq: 16 Feb 2022 20:27

Tgt Ion: 94 Resp: 45042  
 Ion Ratio Lower Upper  
 94 100  
 96 92.9 65.5 121.6

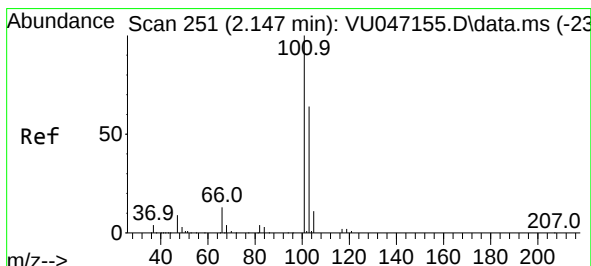
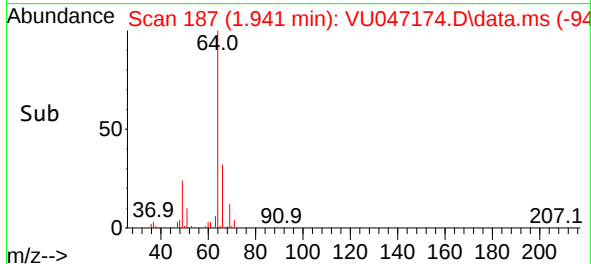
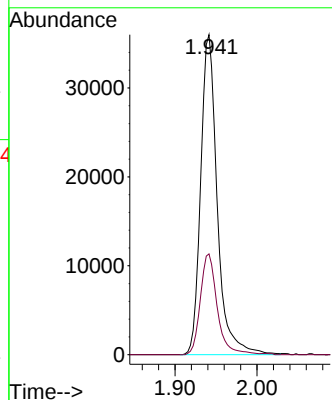
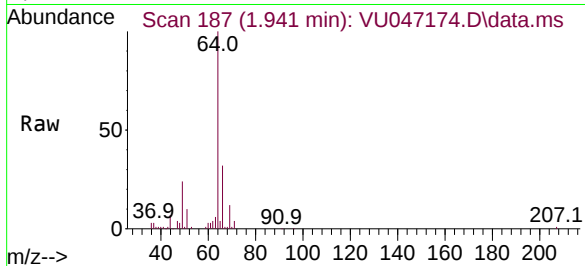




#8  
Chloroethane  
Concen: 5.252 ug/L  
RT: 1.941 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

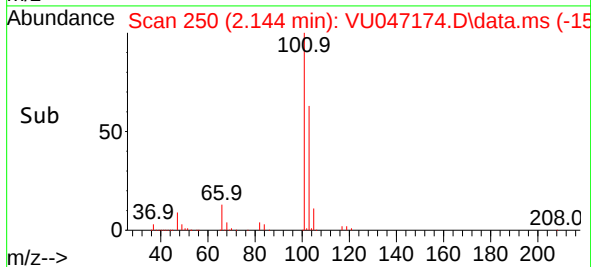
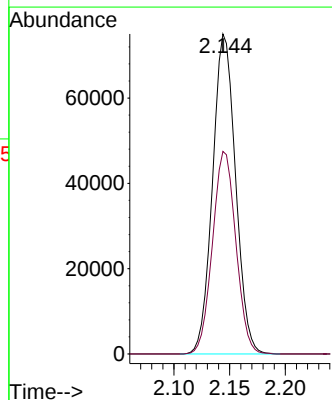
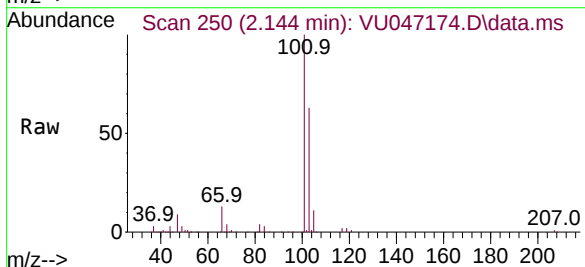
Instrument :  
MSVOA\_U  
ClientSampleId :

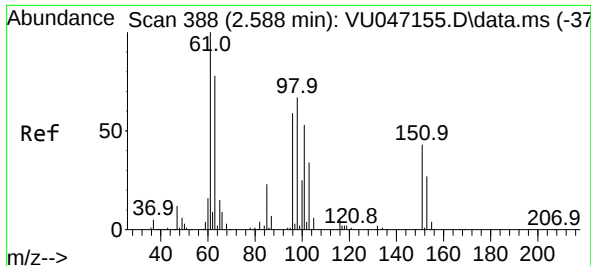
Tgt Ion: 64 Resp: 50481  
Ion Ratio Lower Upper  
64 100  
66 31.5 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 5.303 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 101 Resp: 107707  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.5 77.3

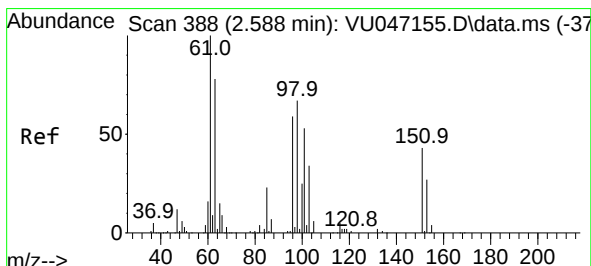
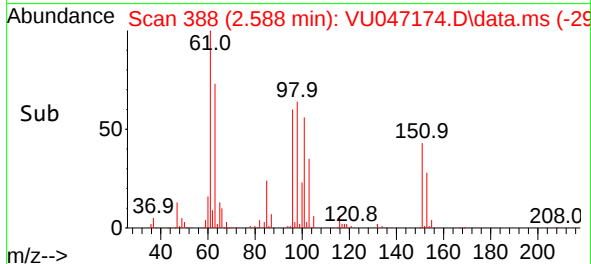
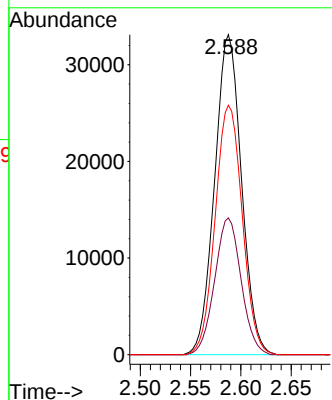
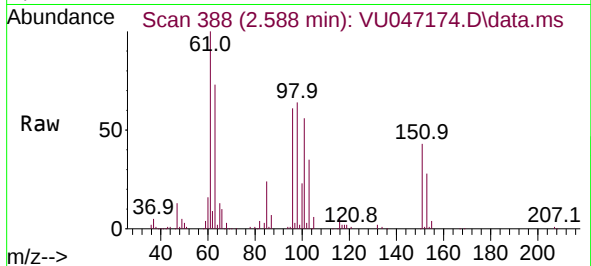




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.029 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. 0.000 min  
 Lab File: VU047174.D  
 Acq: 16 Feb 2022 20:27

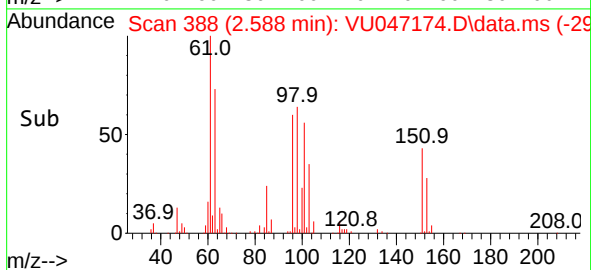
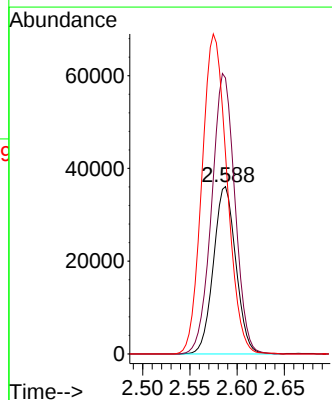
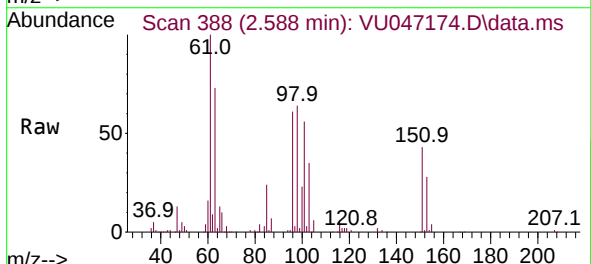
Instrument :  
 MSVOA\_U  
 ClientSampleId :

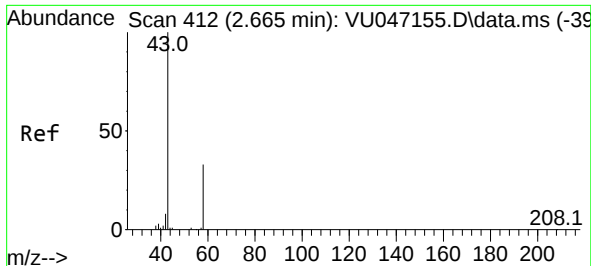
Tgt Ion:101 Resp: 61622  
 Ion Ratio Lower Upper  
 101 100  
 85 42.1 34.6 51.8  
 151 78.6 56.1 84.1



#12  
 1,1-Dichloroethene  
 Concen: 5.031 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. 0.000 min  
 Lab File: VU047174.D  
 Acq: 16 Feb 2022 20:27

Tgt Ion: 96 Resp: 59549  
 Ion Ratio Lower Upper  
 96 100  
 61 164.8 124.7 231.5  
 63 119.7 105.2 195.4





#13

Acetone

Concen: 56.499 ug/L

RT: 2.665 min Scan# 412

Delta R.T. -0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

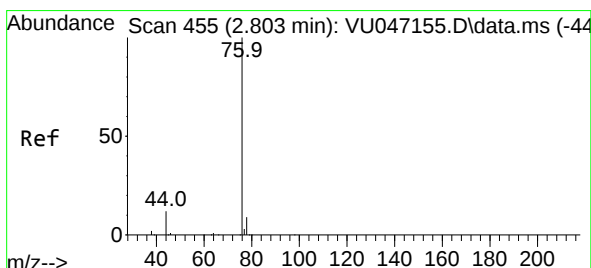
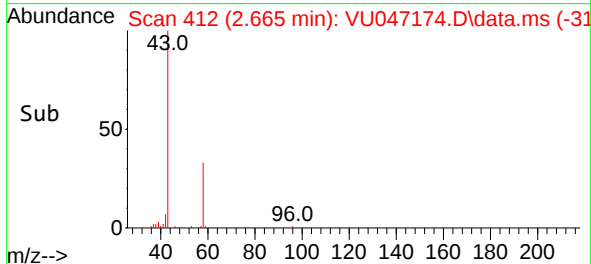
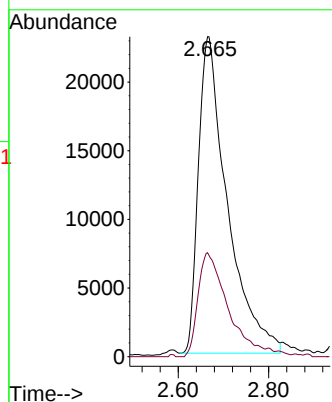
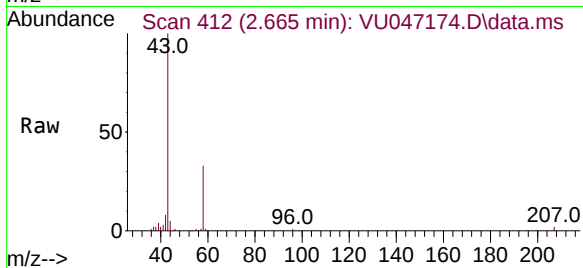
ClientSampleId :

Tgt Ion: 43 Resp: 102695

Ion Ratio Lower Upper

43 100

58 33.3 0.0 71.6



#14

Carbon disulfide

Concen: 5.007 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.003 min

Lab File: VU047174.D

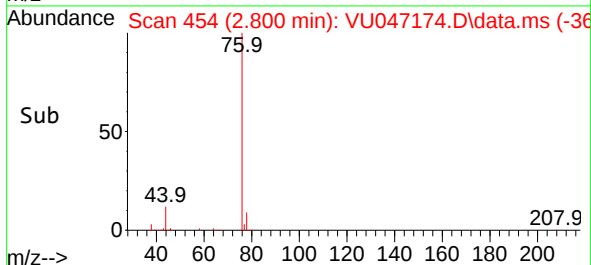
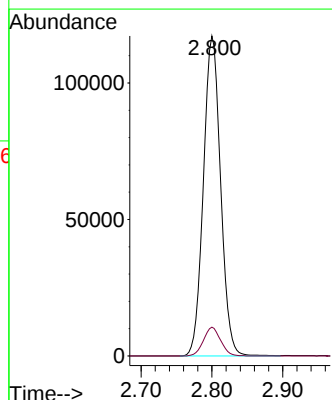
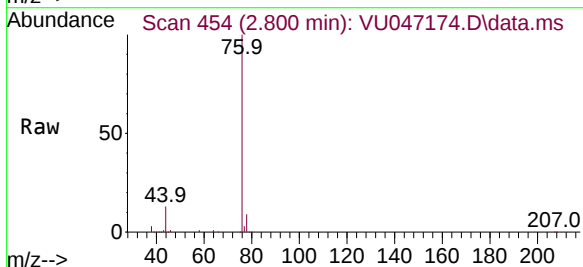
Acq: 16 Feb 2022 20:27

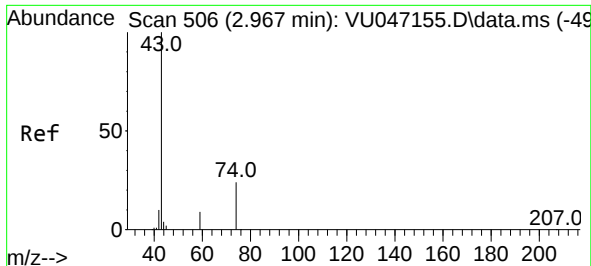
Tgt Ion: 76 Resp: 197679

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

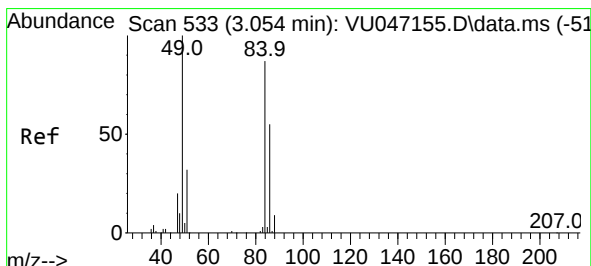
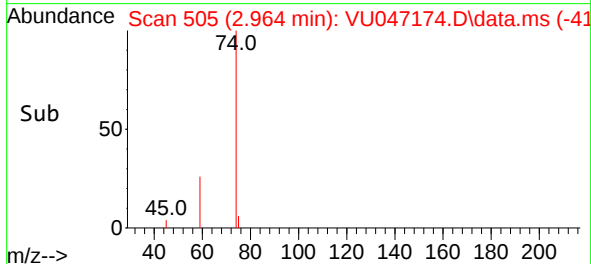
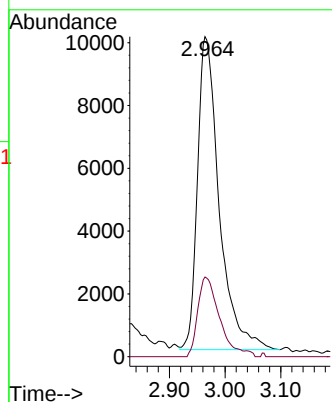
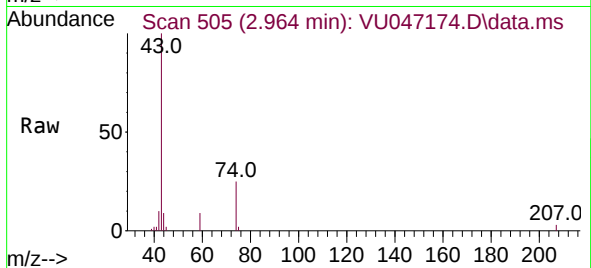




#15  
Methyl Acetate  
Concen: 4.808 ug/L  
RT: 2.964 min Scan# 506  
Delta R.T. -0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

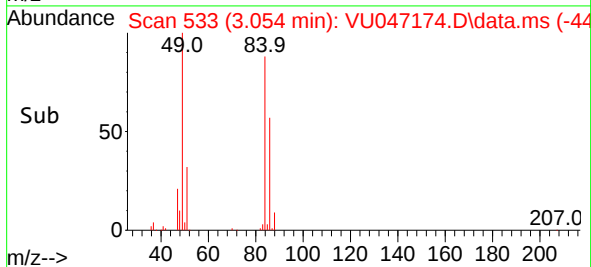
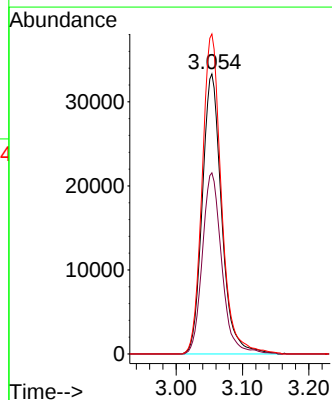
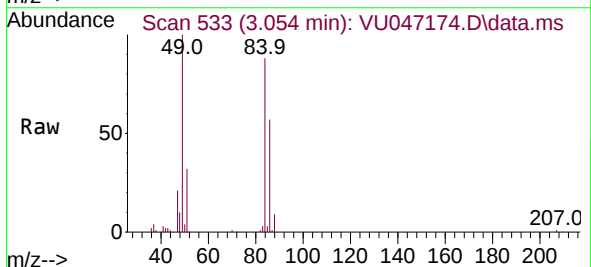
Instrument :  
MSVOA\_U  
ClientSampleId :

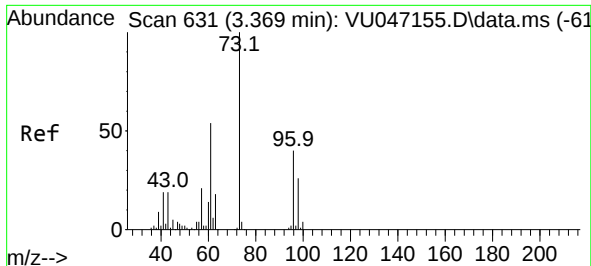
Tgt Ion: 43 Resp: 27050  
Ion Ratio Lower Upper  
43 100  
74 25.5 19.1 28.7



#16  
Methylene chloride  
Concen: 5.114 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 84 Resp: 67431  
Ion Ratio Lower Upper  
84 100  
86 64.7 45.8 85.0  
49 114.3 84.5 156.9

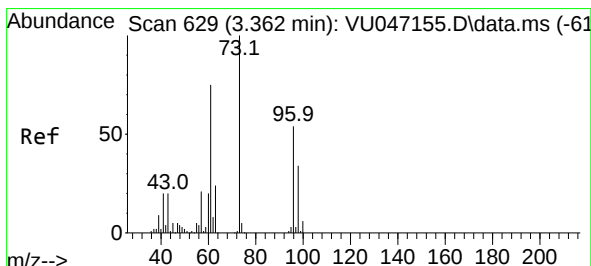
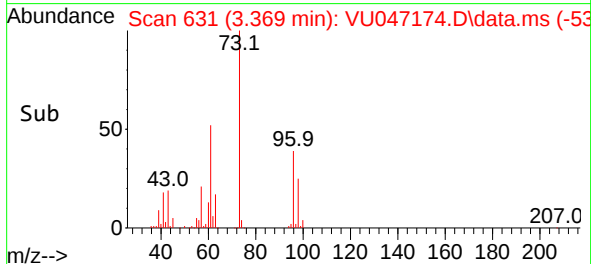
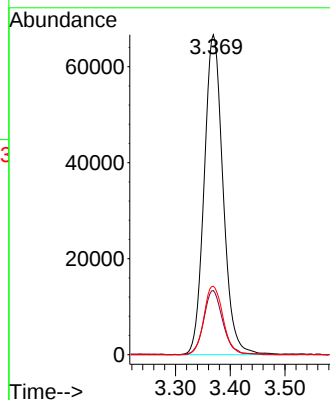
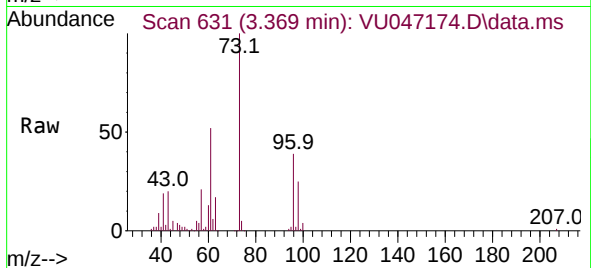




#17  
Methyl tert-butyl Ether  
Concen: 4.937 ug/L  
RT: 3.369 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

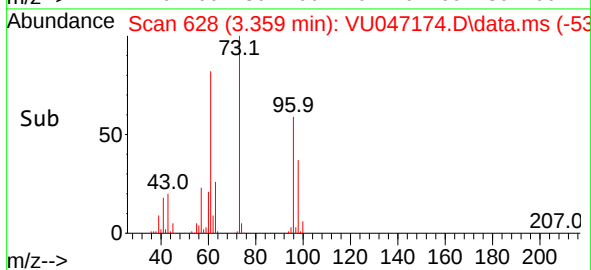
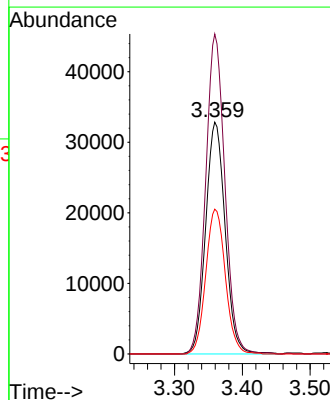
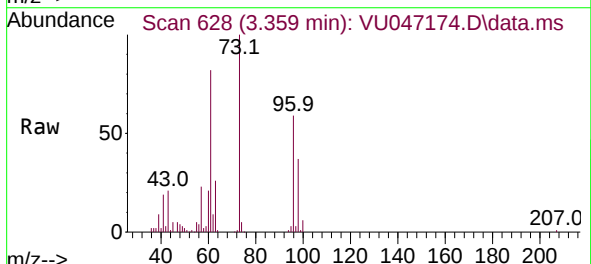
Instrument :  
MSVOA\_U  
ClientSampleId :

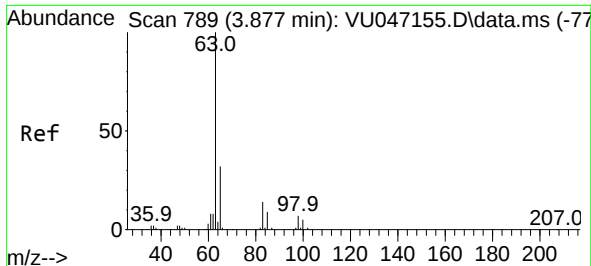
Tgt Ion: 73 Resp: 159684  
Ion Ratio Lower Upper  
73 100  
43 20.4 14.8 22.2  
57 21.9 17.4 26.0



#18  
trans-1,2-Dichloroethene  
Concen: 5.140 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. -0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 96 Resp: 65746  
Ion Ratio Lower Upper  
96 100  
61 138.0 100.8 187.2  
98 62.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.154 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

ClientSampleId :

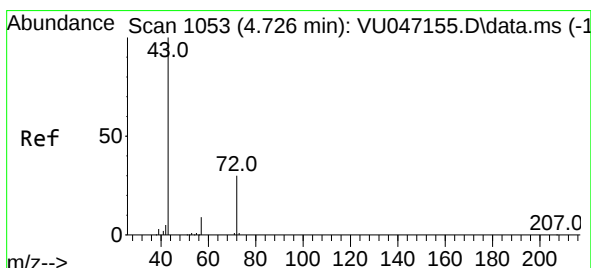
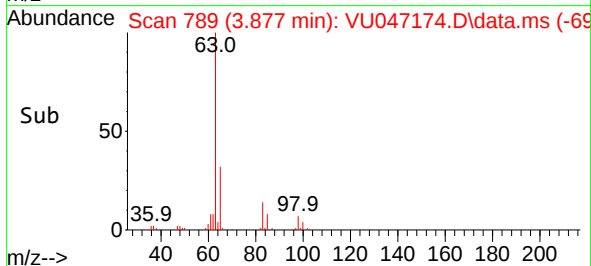
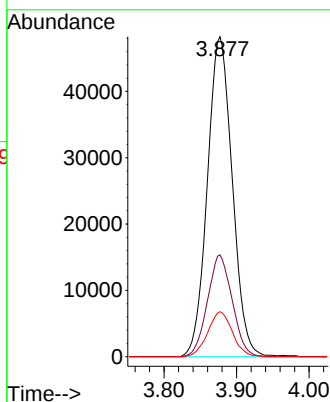
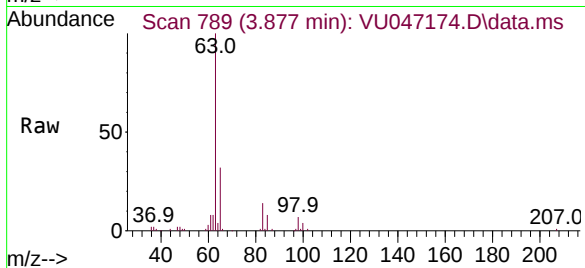
Tgt Ion: 63 Resp: 115244

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 14.0 9.6 17.8



#21

2-Butanone

Concen: 54.267 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VU047174.D

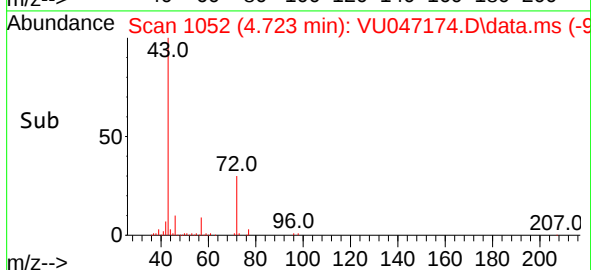
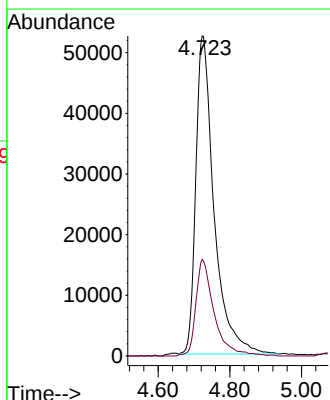
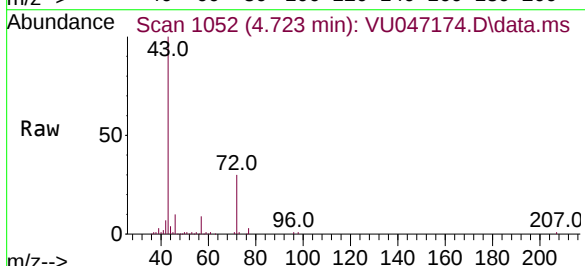
Acq: 16 Feb 2022 20:27

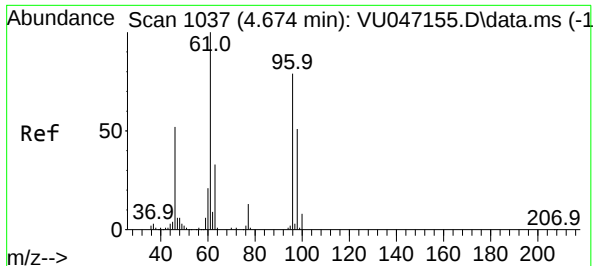
Tgt Ion: 43 Resp: 185239

Ion Ratio Lower Upper

43 100

72 30.2 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.180 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

ClientSampleId :

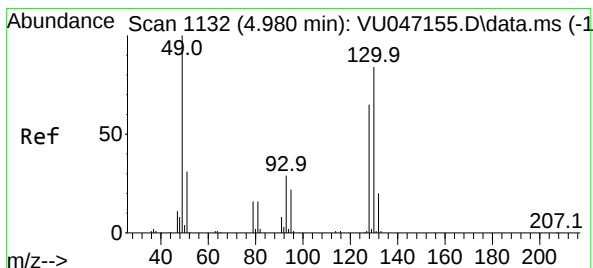
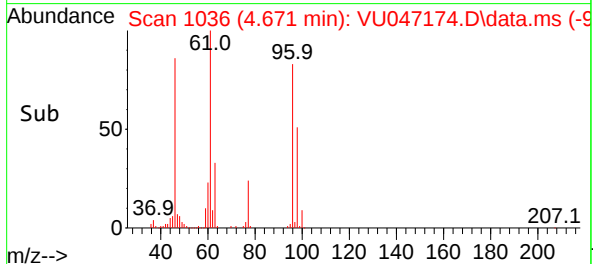
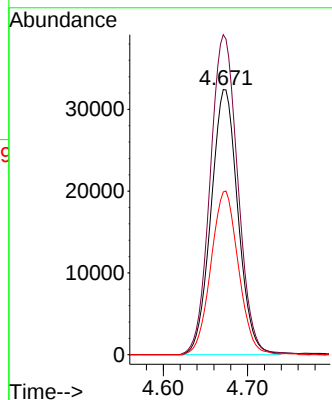
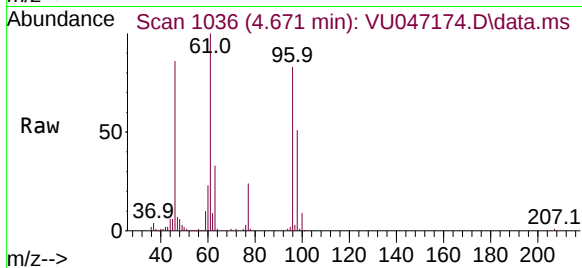
Tgt Ion: 96 Resp: 72110

Ion Ratio Lower Upper

96 100

61 120.7 88.5 164.3

98 61.4 44.4 82.5



#23

Bromochloromethane

Concen: 4.997 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Tgt Ion:128 Resp: 32611

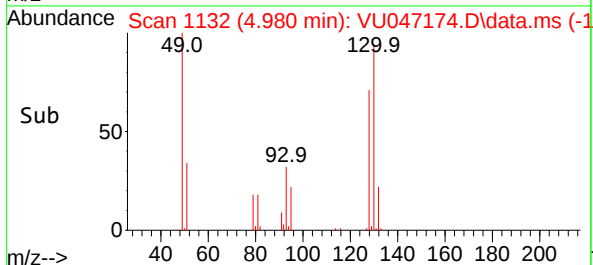
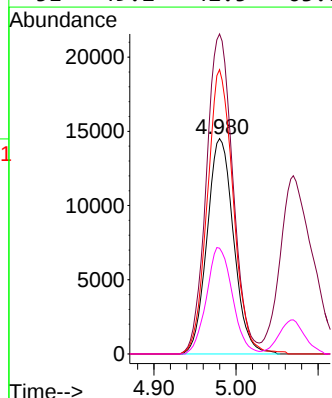
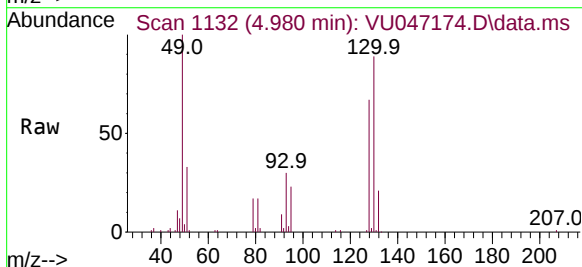
Ion Ratio Lower Upper

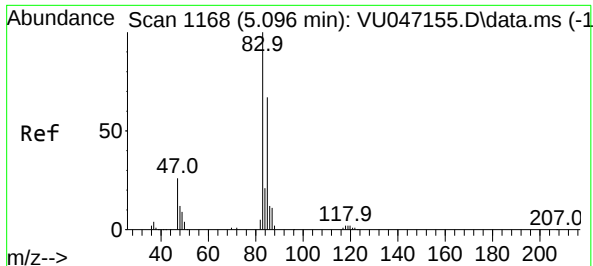
128 100

49 148.6 117.0 217.2

130 132.0 88.2 163.8

51 49.2 42.5 63.7





#25

Chloroform

Concen: 5.049 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

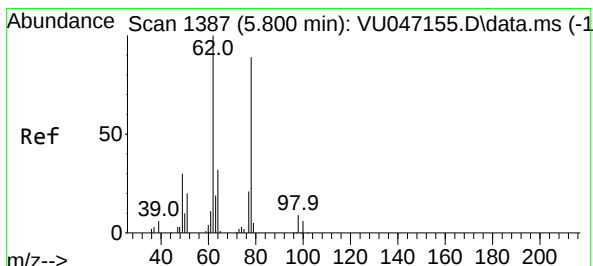
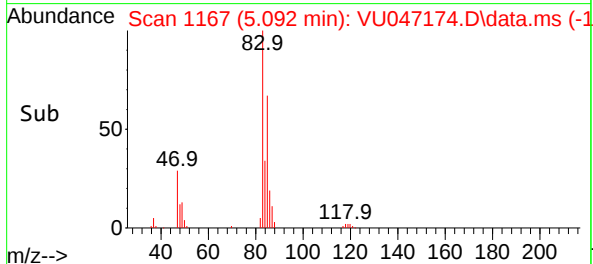
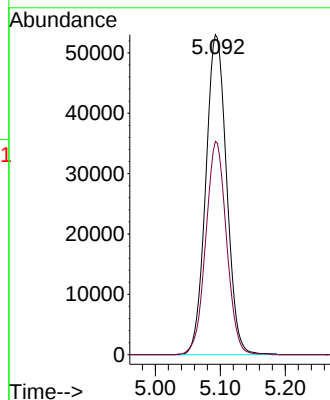
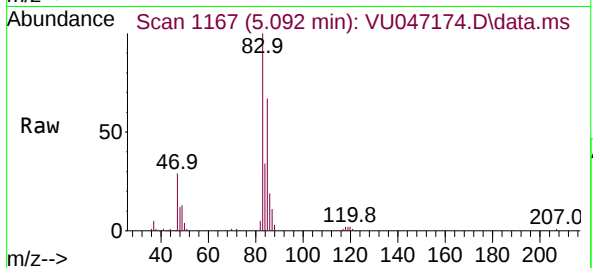
ClientSampleId :

Tgt Ion: 83 Resp: 118204

Ion Ratio Lower Upper

83 100

85 66.7 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.987 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU047174.D

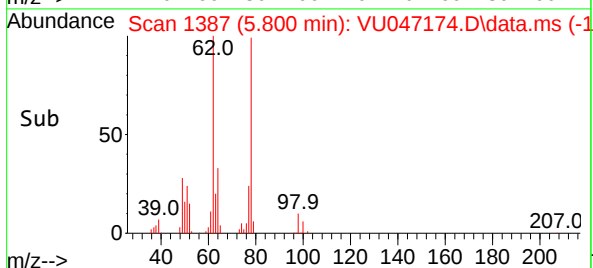
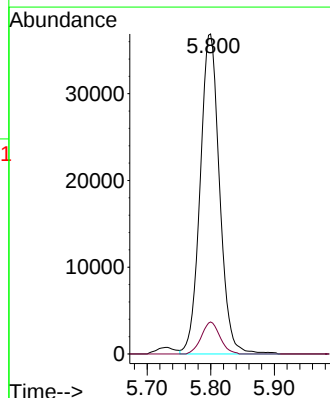
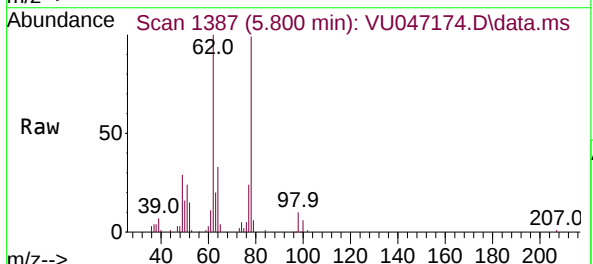
Acq: 16 Feb 2022 20:27

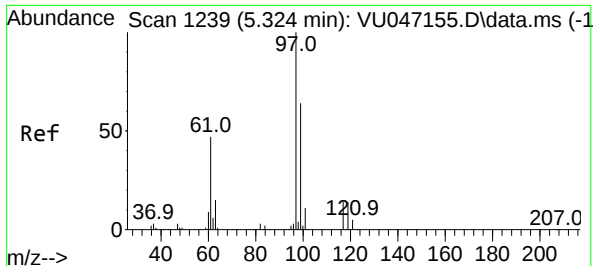
Tgt Ion: 62 Resp: 78054

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.126 ug/L

RT: 5.321 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

ClientSampleId :

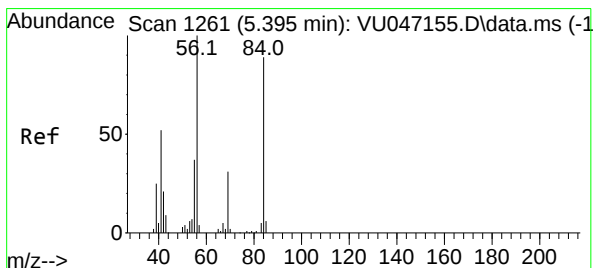
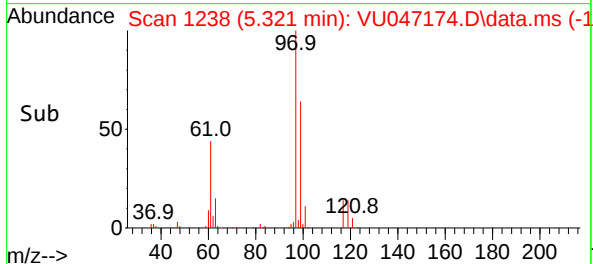
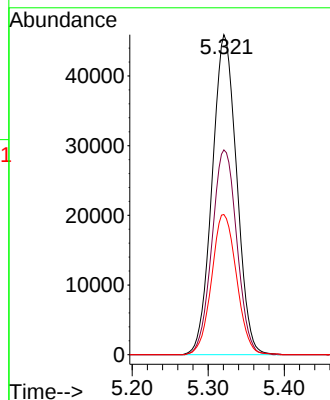
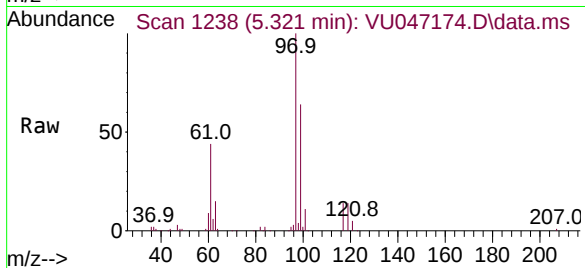
Tgt Ion: 97 Resp: 102948

Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 44.6 36.1 54.1



#30

Cyclohexane

Concen: 5.016 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

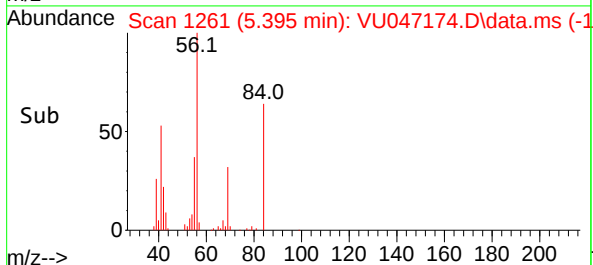
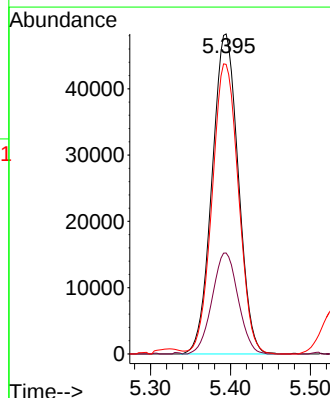
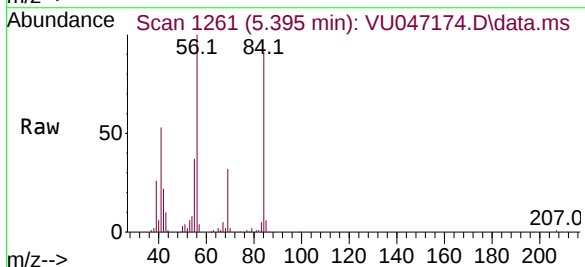
Tgt Ion: 56 Resp: 109947

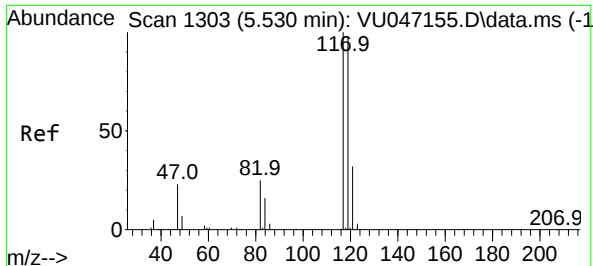
Ion Ratio Lower Upper

56 100

69 31.2 24.7 37.1

84 91.0 71.8 107.6

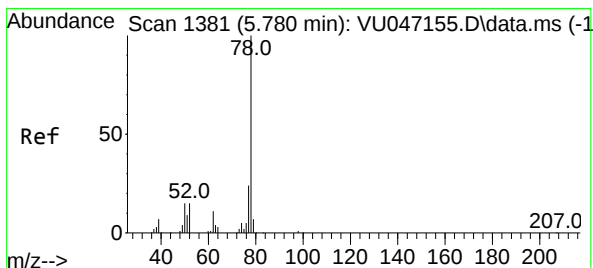
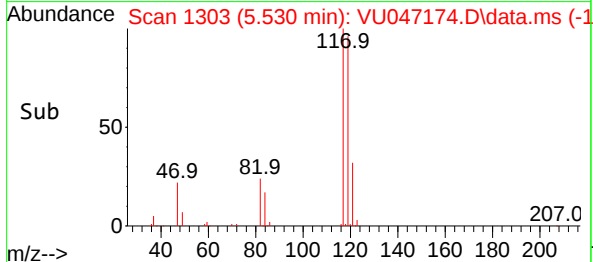
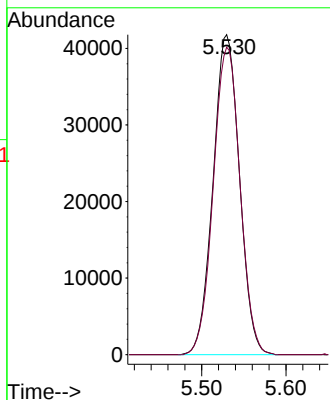
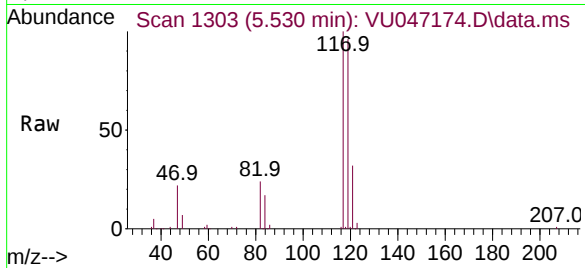




#31  
Carbon tetrachloride  
Concen: 5.198 ug/L  
RT: 5.530 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

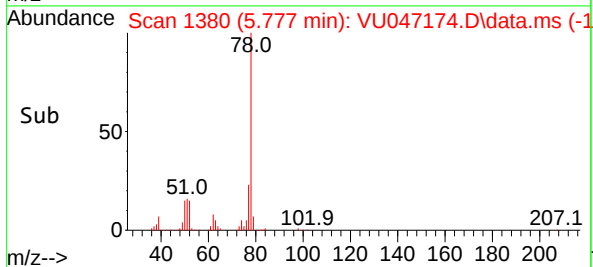
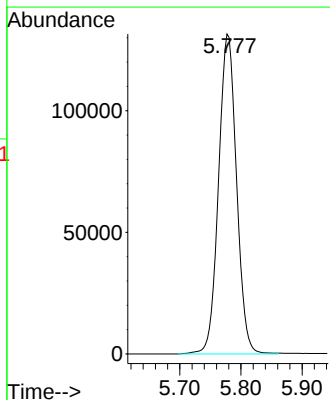
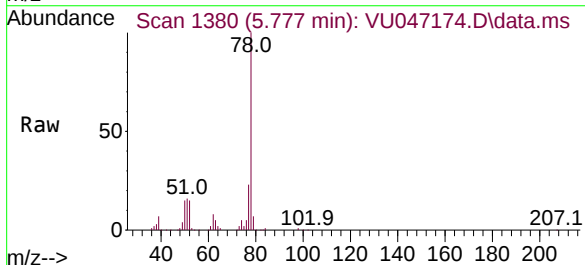
Instrument :  
MSVOA\_U  
ClientSampleId :

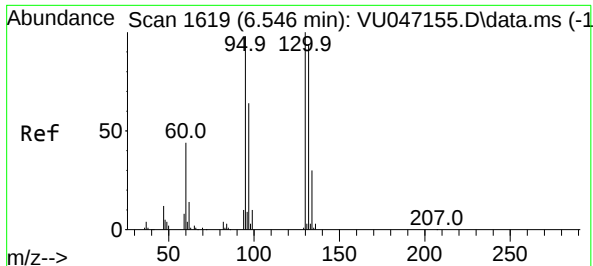
Tgt Ion:117 Resp: 90899  
Ion Ratio Lower Upper  
117 100  
119 97.4 77.5 116.3



#33  
Benzene  
Concen: 5.103 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 78 Resp: 268918

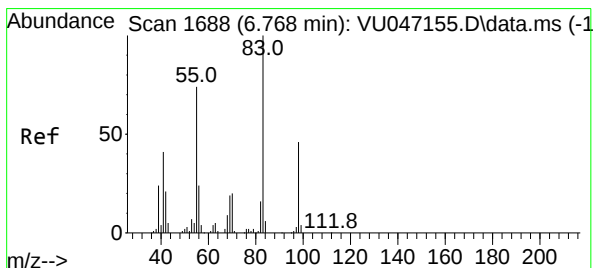
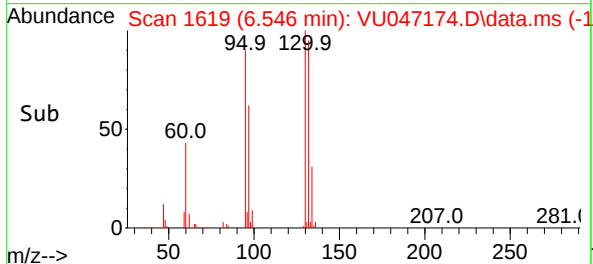
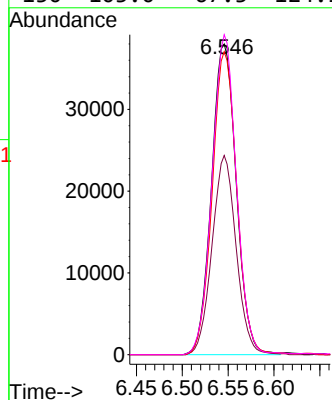
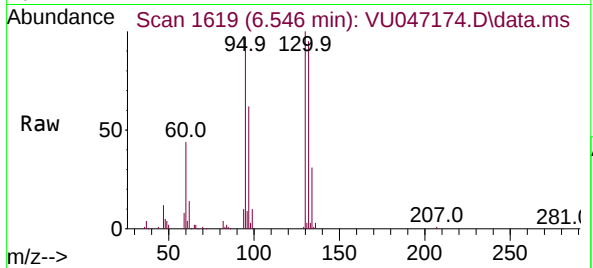




#34  
Trichloroethene  
Concen: 5.093 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

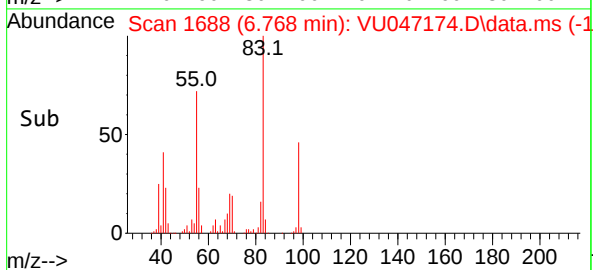
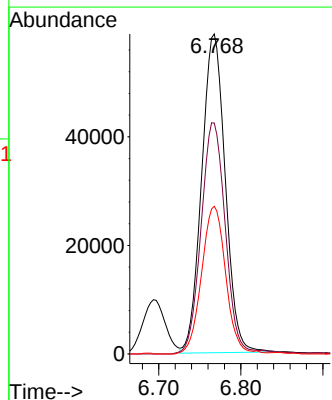
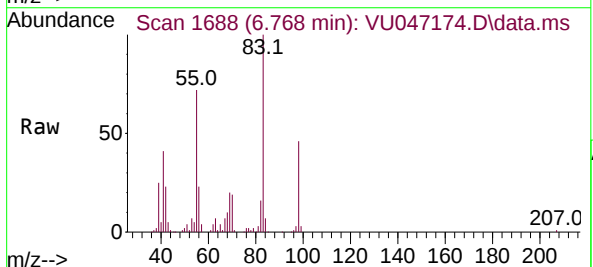
Instrument :  
MSVOA\_U  
ClientSampleId :

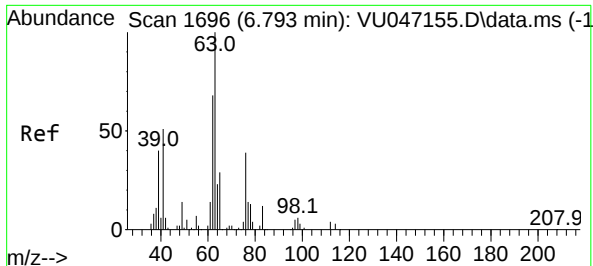
Tgt Ion: 95 Resp: 71583  
Ion Ratio Lower Upper  
95 100  
97 64.1 46.5 86.5  
132 97.5 65.1 120.9  
130 103.0 67.3 124.9



#35  
Methylcyclohexane  
Concen: 4.956 ug/L  
RT: 6.768 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 83 Resp: 117555  
Ion Ratio Lower Upper  
83 100  
55 75.4 61.9 92.9  
98 47.4 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.097 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

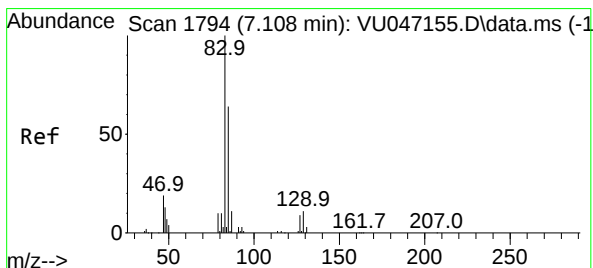
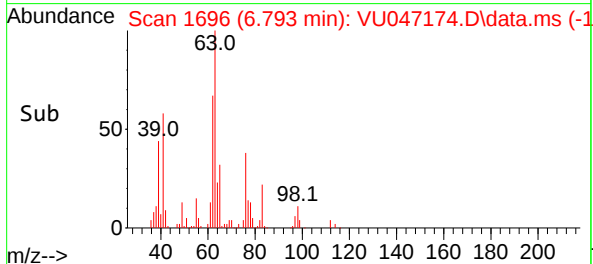
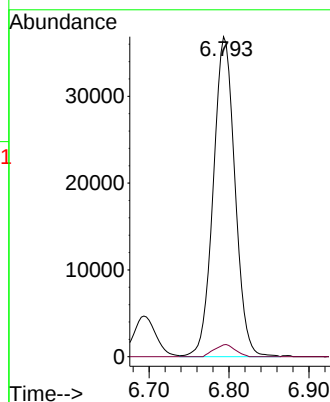
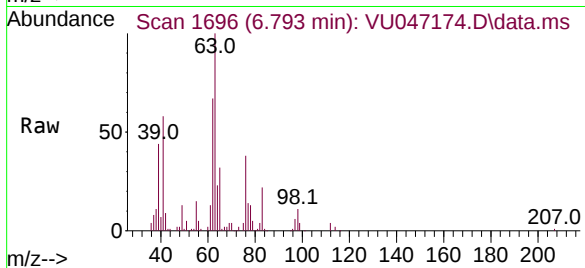
ClientSampleId :

Tgt Ion: 63 Resp: 69425

Ion Ratio Lower Upper

63 100

112 3.6 3.2 4.8



#38

Bromodichloromethane

Concen: 5.054 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

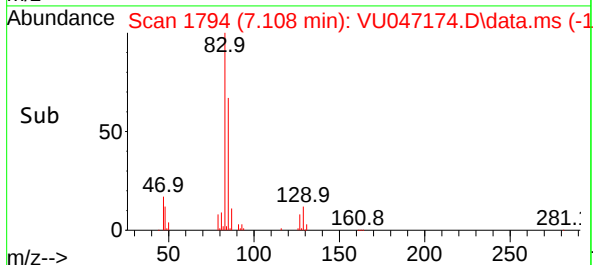
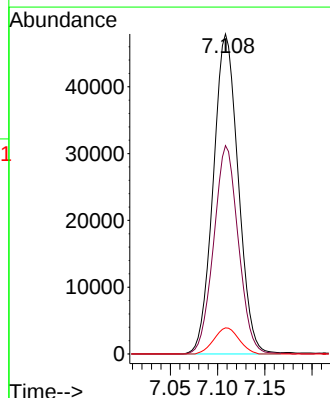
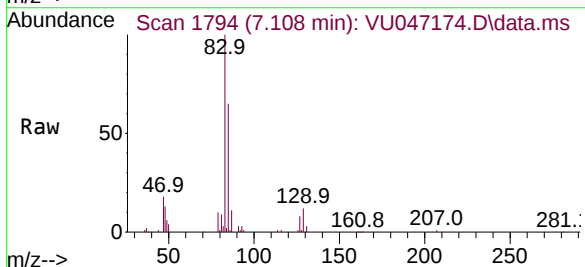
Tgt Ion: 83 Resp: 87946

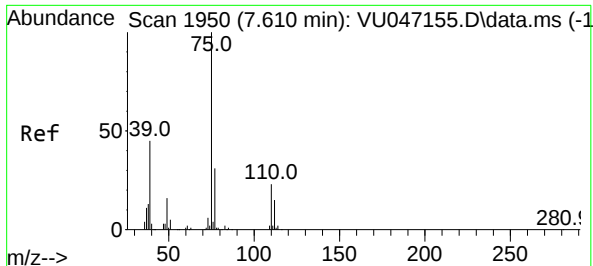
Ion Ratio Lower Upper

83 100

85 65.1 44.0 81.8

127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.971 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

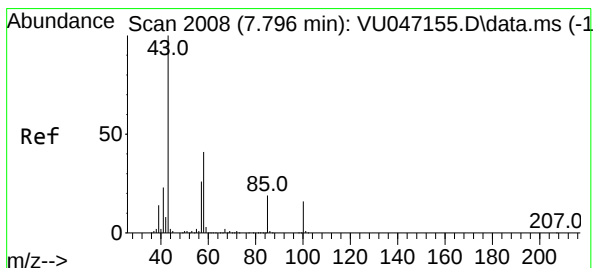
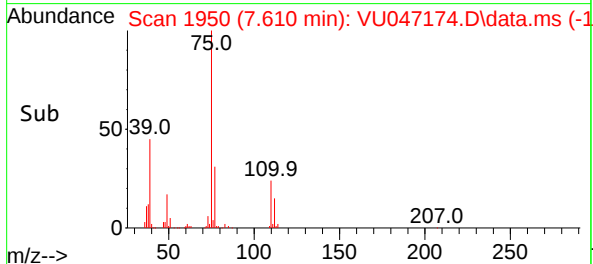
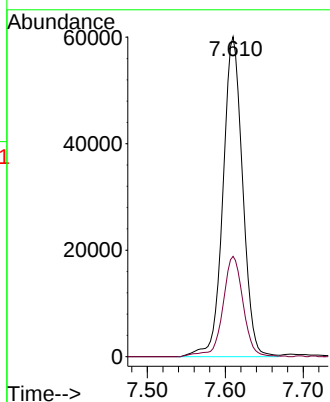
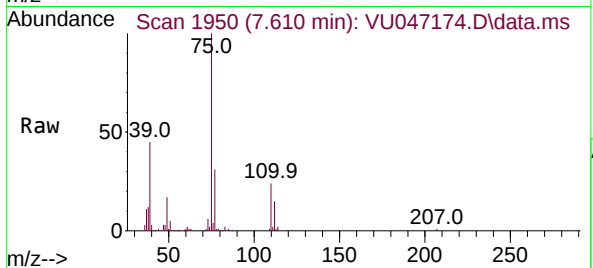
ClientSampleId :

Tgt Ion: 75 Resp: 105304

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 46.066 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

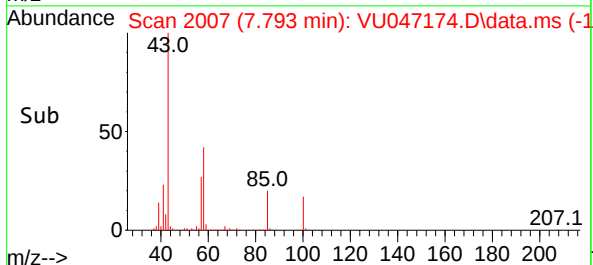
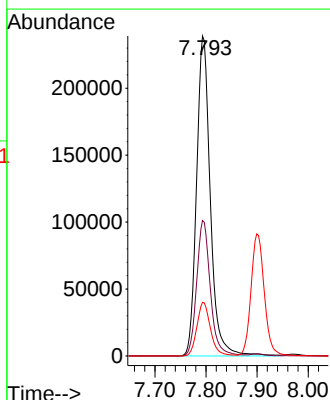
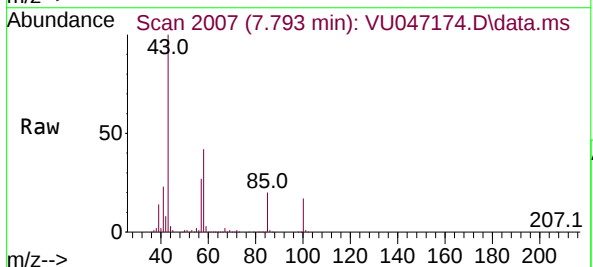
Tgt Ion: 43 Resp: 447750

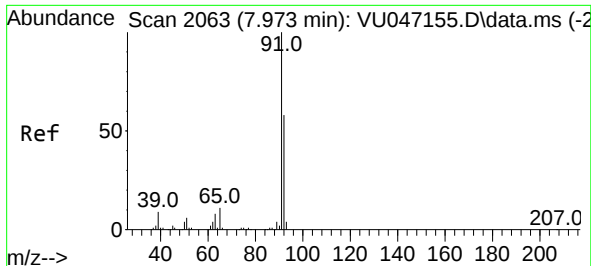
Ion Ratio Lower Upper

43 100

58 42.1 33.1 49.7

100 16.6 13.2 19.8





#42

Toluene

Concen: 5.136 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

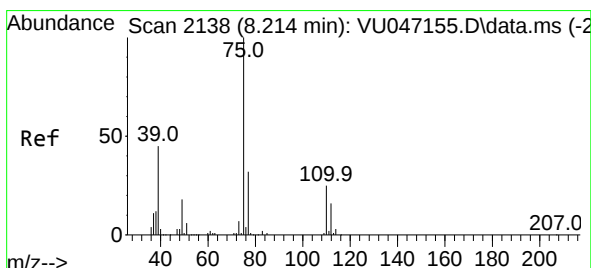
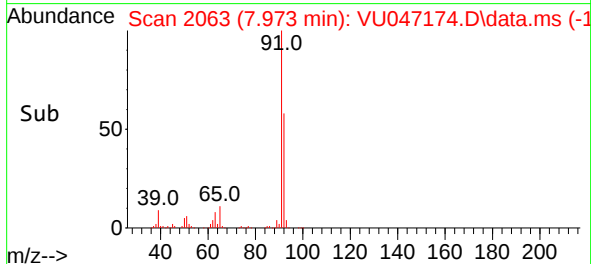
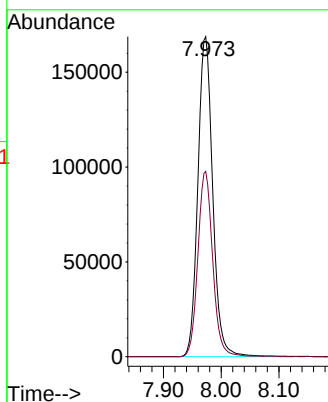
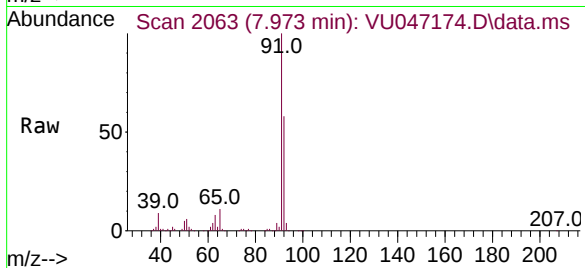
ClientSampleId :

Tgt Ion: 91 Resp: 301302

Ion Ratio Lower Upper

91 100

92 57.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.824 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU047174.D

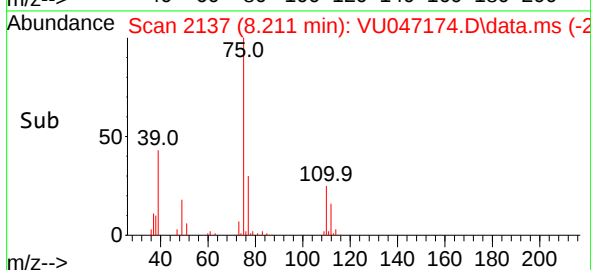
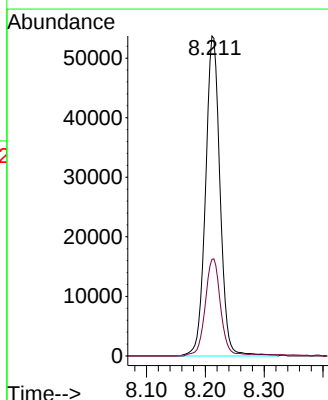
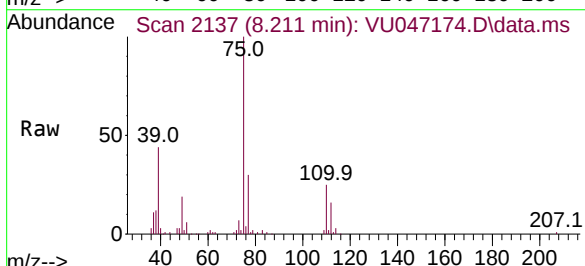
Acq: 16 Feb 2022 20:27

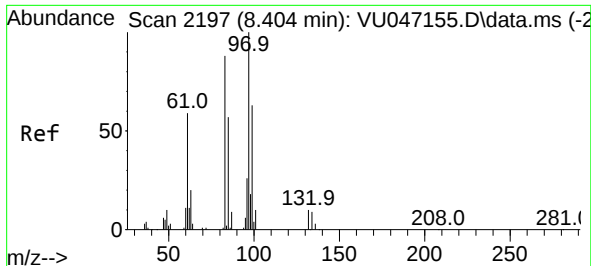
Tgt Ion: 75 Resp: 92061

Ion Ratio Lower Upper

75 100

77 30.2 22.7 42.3

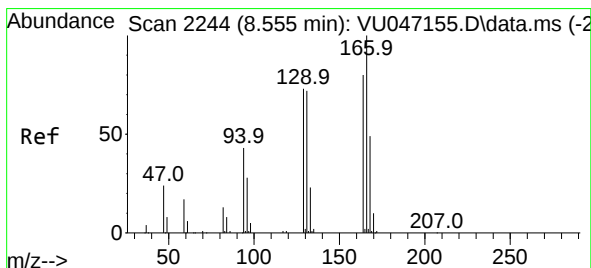
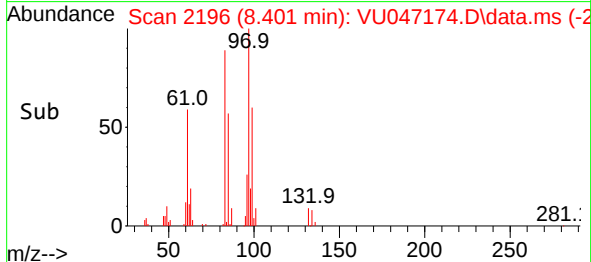
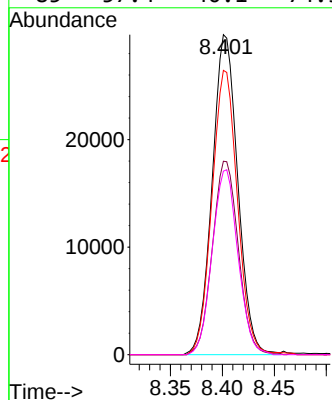
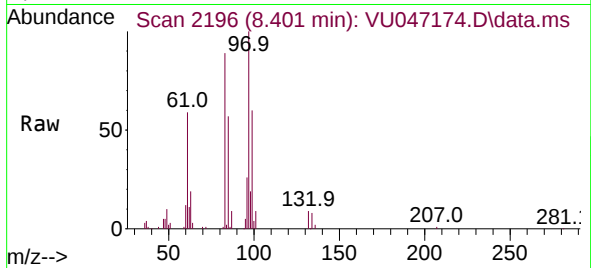




#45  
1,1,2-Trichloroethane  
Concen: 4.821 ug/L  
RT: 8.401 min Scan# 2197  
Delta R.T. -0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

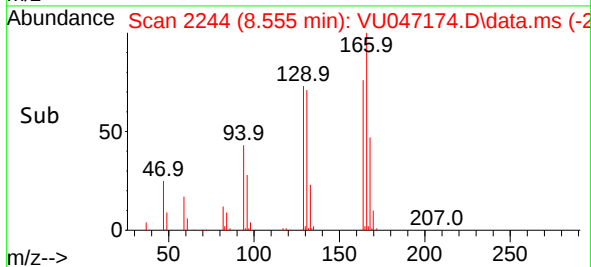
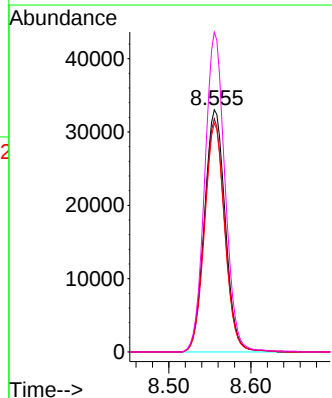
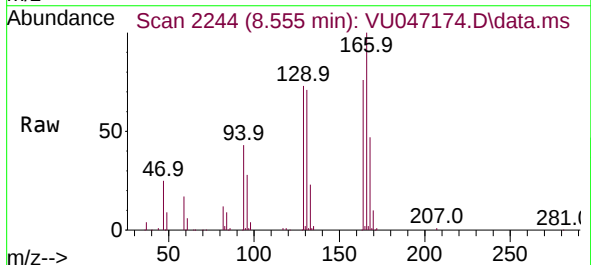
Instrument :  
MSVOA\_U  
ClientSampleId :

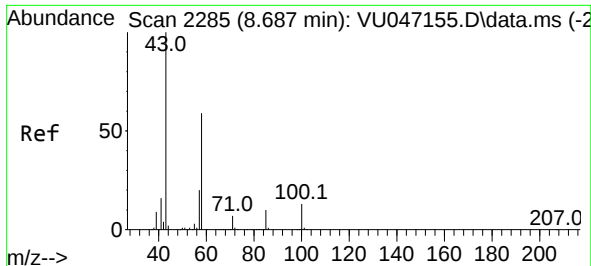
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 50991 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 60.5     | 42.3 78.5   |
| 83 88.8     | 62.0 115.2  |
| 85 57.4     | 40.1 74.5   |



#47  
Tetrachloroethene  
Concen: 5.100 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

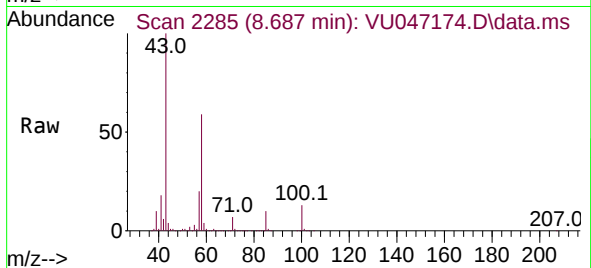
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 58178 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 96.3    | 71.8  | 133.4 |
| 131 | 94.5    | 68.5  | 127.3 |
| 166 | 132.1   | 94.1  | 174.8 |



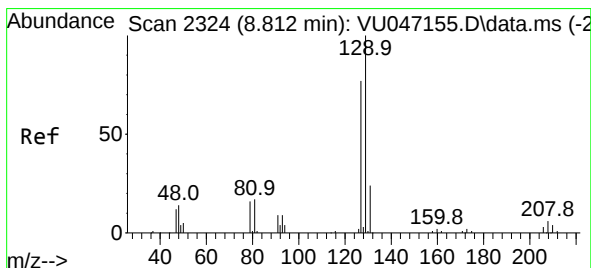
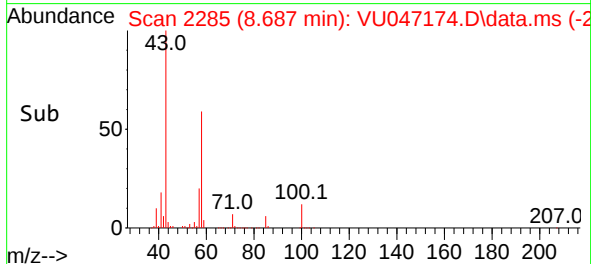
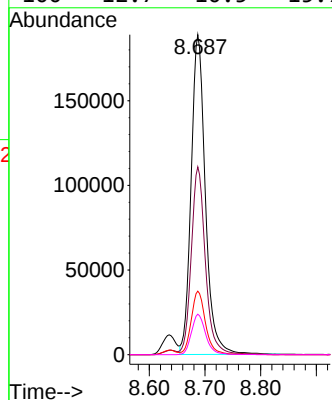


#48  
2-Hexanone  
Concen: 46.479 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Instrument :  
MSVOA\_U  
ClientSampleId :

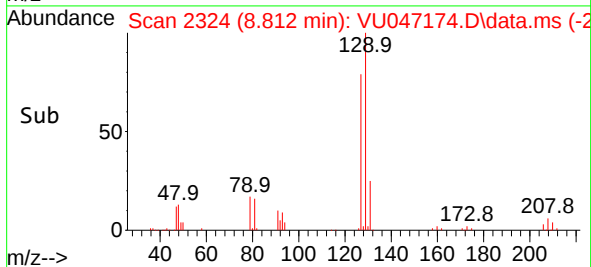
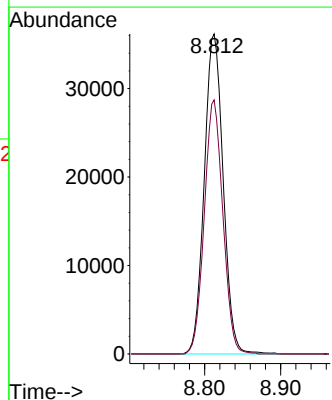
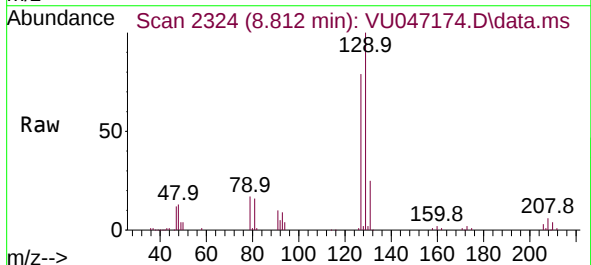


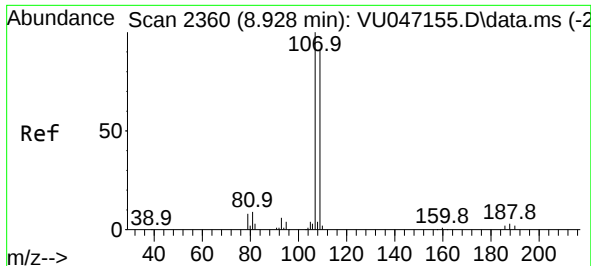
Tgt Ion: 43 Resp: 335886  
Ion Ratio Lower Upper  
43 100  
58 58.4 46.7 70.1  
57 19.8 16.3 24.5  
100 12.7 10.5 15.7



#49  
Dibromochloromethane  
Concen: 4.905 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 129 Resp: 62497  
Ion Ratio Lower Upper  
129 100  
127 79.4 55.4 102.8





#50

1,2-Dibromoethane

Concen: 4.736 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU047174.D

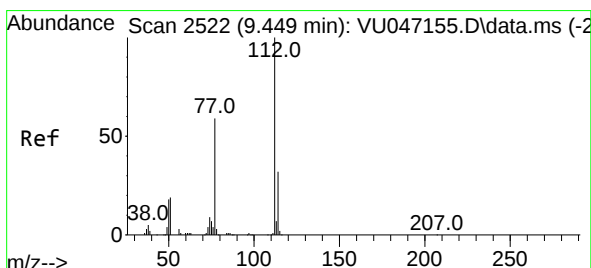
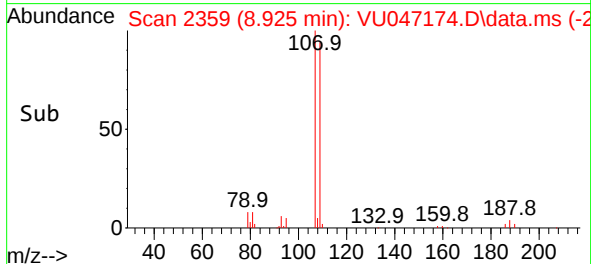
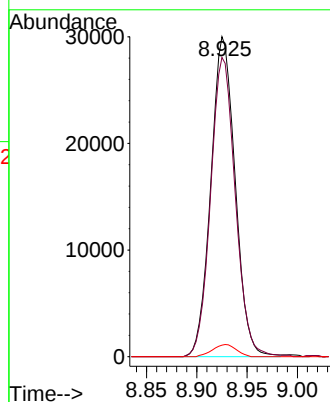
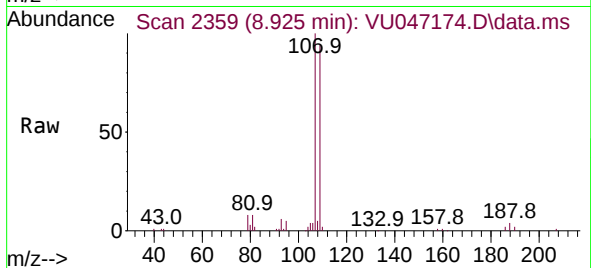
Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 50525      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 93.5  | 64.0 119.0 |
| 188         | 3.6   | 2.4 3.6    |



#51

Chlorobenzene

Concen: 5.126 ug/L

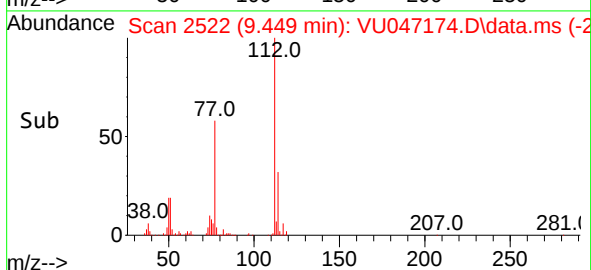
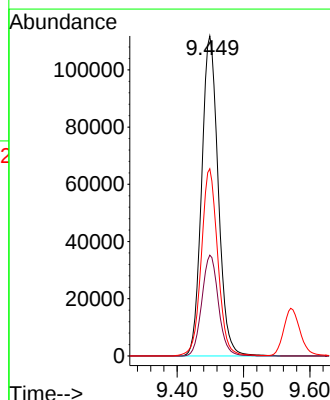
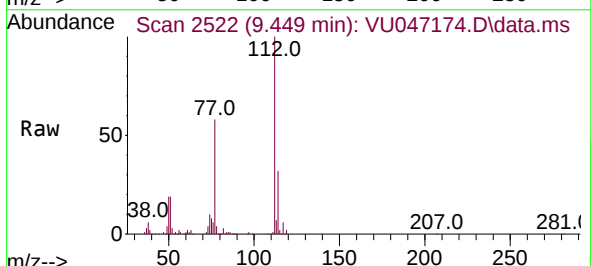
RT: 9.449 min Scan# 2522

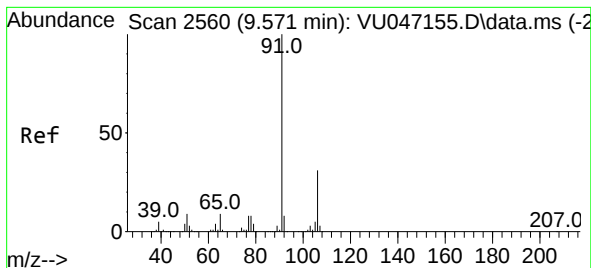
Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 194119    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 31.5  | 22.1 41.1 |
| 77          | 58.5  | 48.3 72.5 |





#52

Ethylbenzene

Concen: 5.136 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

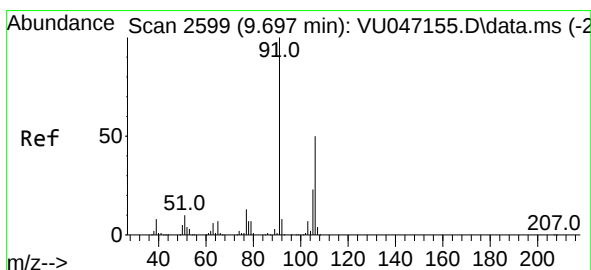
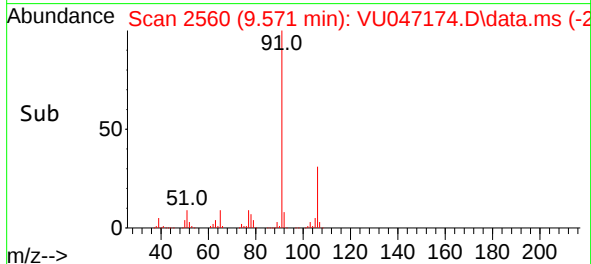
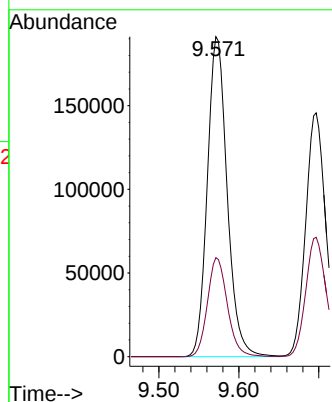
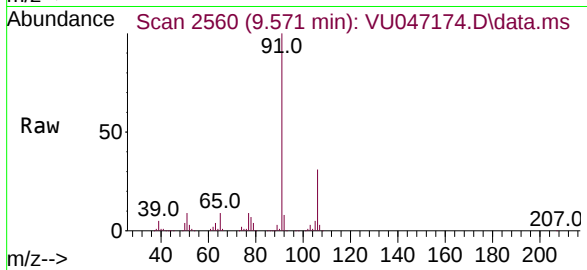
ClientSampleId :

Tgt Ion: 91 Resp: 330193

Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



#53

m,p-Xylene

Concen: 5.118 ug/L

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU047174.D

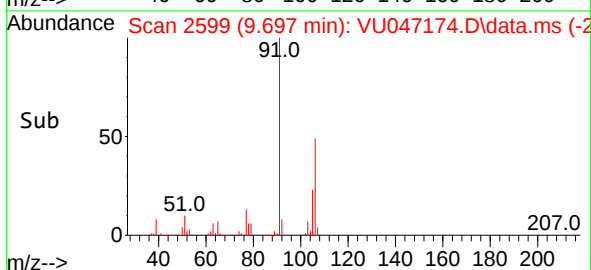
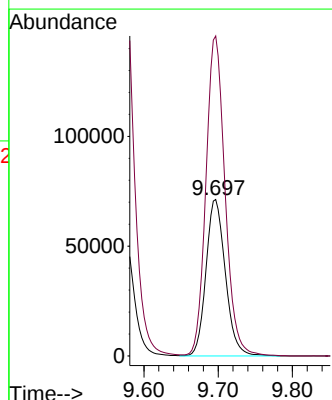
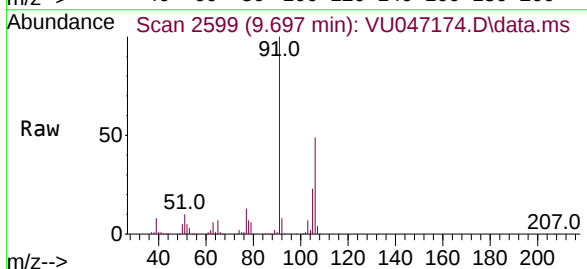
Acq: 16 Feb 2022 20:27

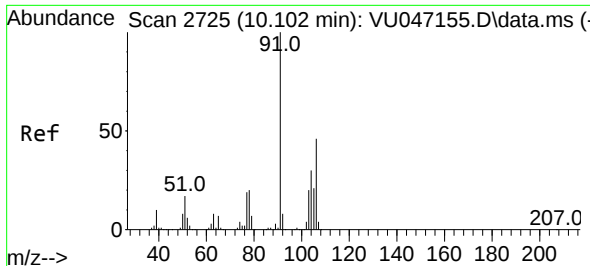
Tgt Ion:106 Resp: 129158

Ion Ratio Lower Upper

106 100

91 204.4 139.4 259.0

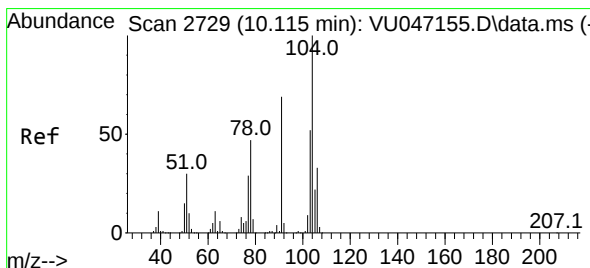
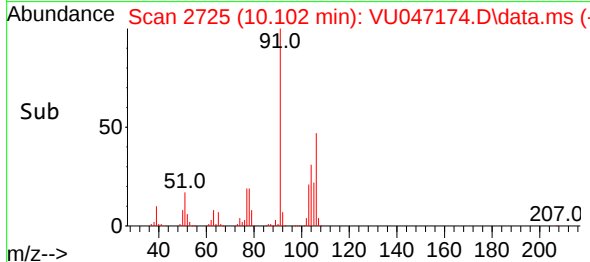
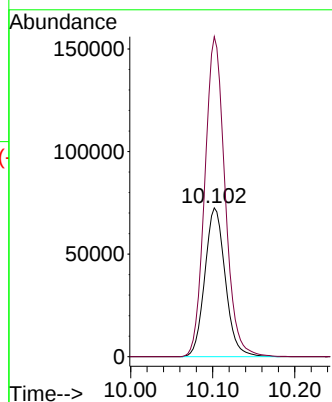
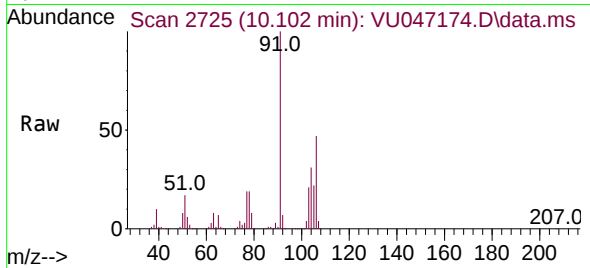




#54  
o-Xylene  
Concen: 5.125 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

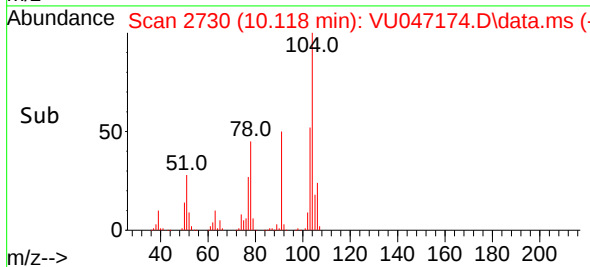
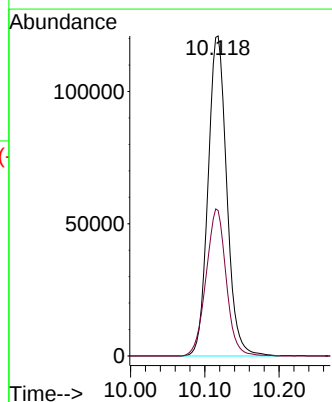
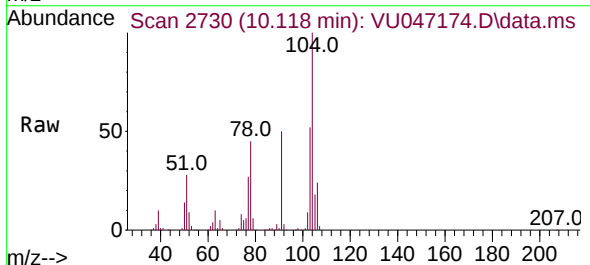
Instrument :  
MSVOA\_U  
ClientSampleId :

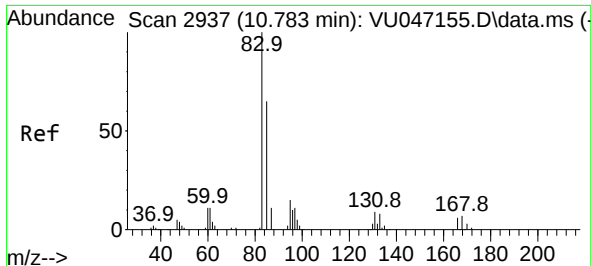
Tgt Ion:106 Resp: 125977  
Ion Ratio Lower Upper  
106 100  
91 214.9 147.5 273.9



#55  
Styrene  
Concen: 5.150 ug/L  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion:104 Resp: 211782  
Ion Ratio Lower Upper  
104 100  
78 45.5 33.0 61.4

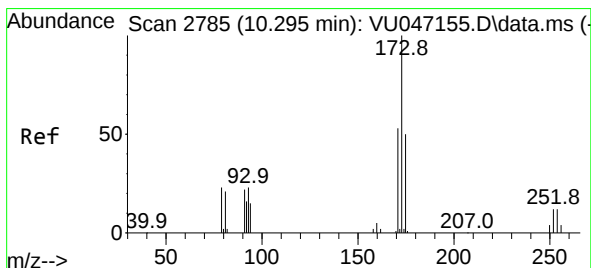
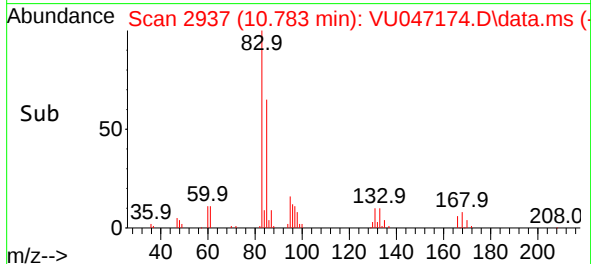
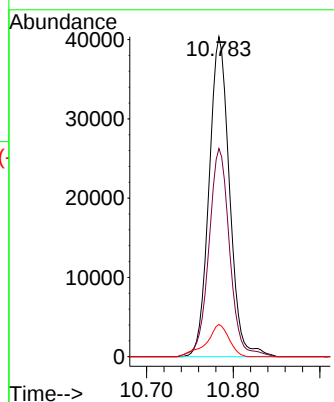
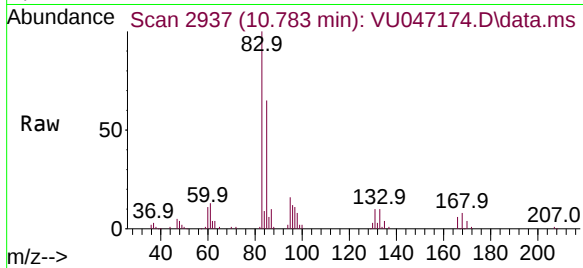




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.726 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

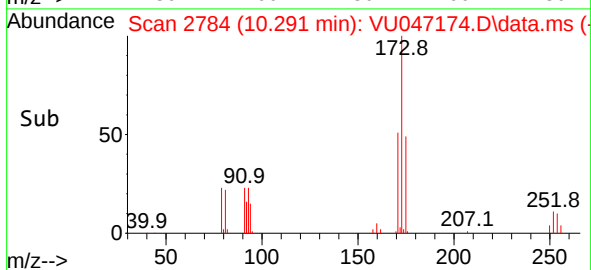
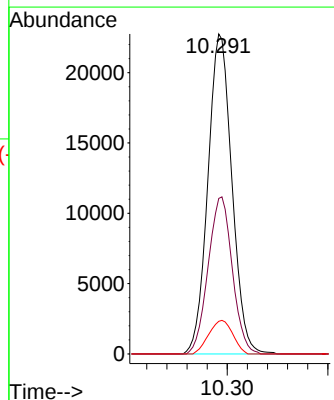
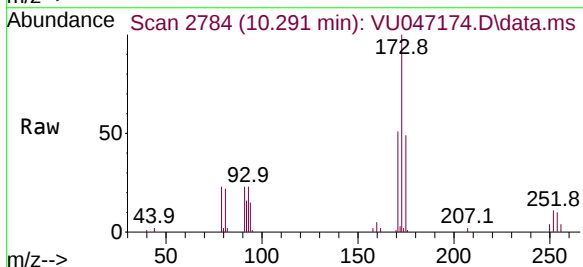
Instrument :  
MSVOA\_U  
ClientSampleId :

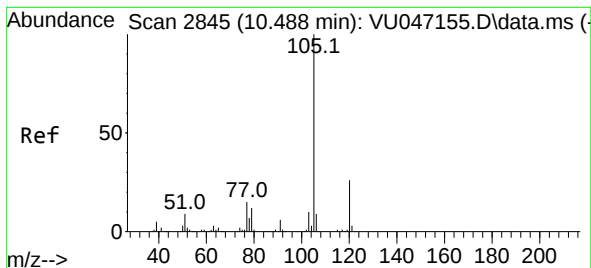
Tgt Ion: 83 Resp: 66158  
Ion Ratio Lower Upper  
83 100  
85 65.0 47.9 89.1  
131 10.1 8.1 12.1



#59  
Bromoform  
Concen: 4.741 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion: 173 Resp: 37716  
Ion Ratio Lower Upper  
173 100  
175 49.3 37.8 56.6  
254 10.5 7.3 10.9





#60

Isopropylbenzene

Concen: 5.157 ug/L

RT: 10.488 min Scan# 2845

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

ClientSampleId :

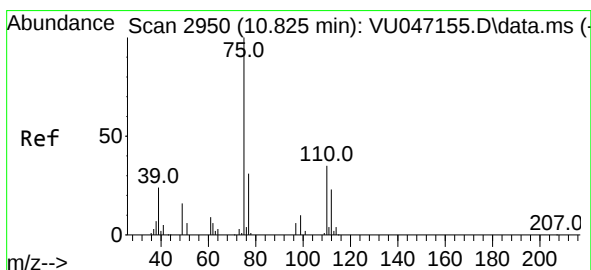
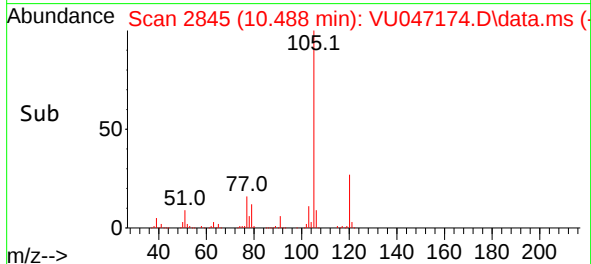
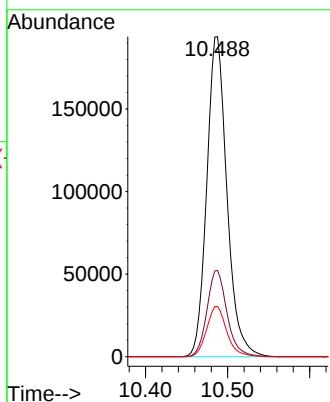
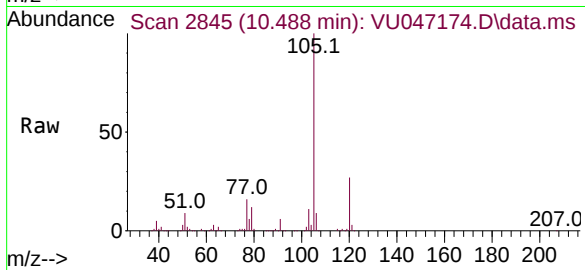
Tgt Ion:105 Resp: 330563

Ion Ratio Lower Upper

105 100

120 26.8 20.7 31.1

77 15.7 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.544 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

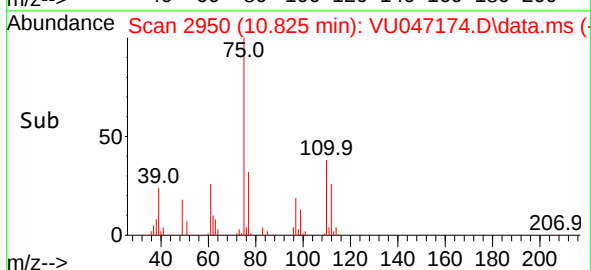
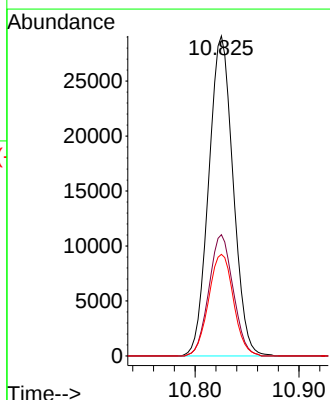
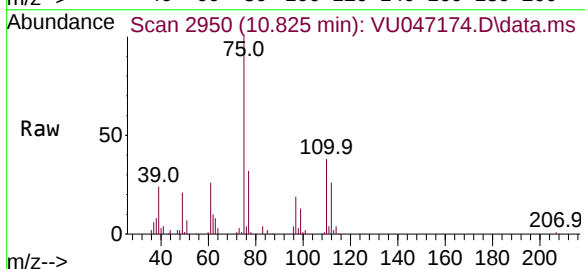
Tgt Ion: 75 Resp: 47407

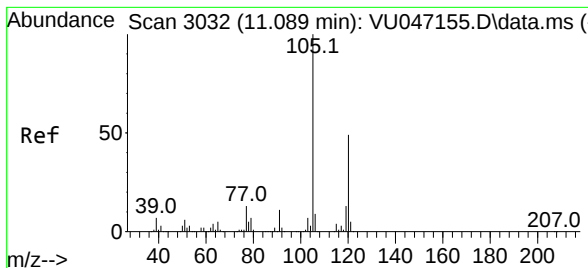
Ion Ratio Lower Upper

75 100

110 37.7 29.9 44.9

77 32.5 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.029 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

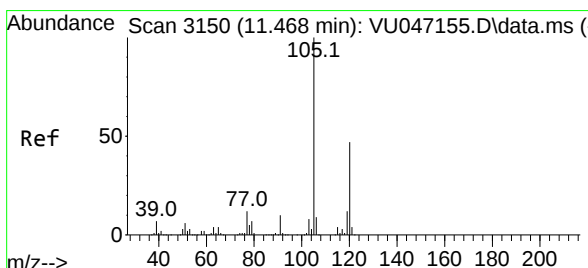
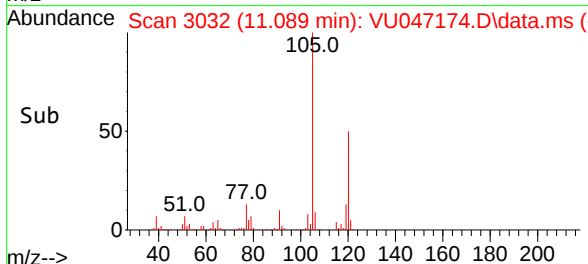
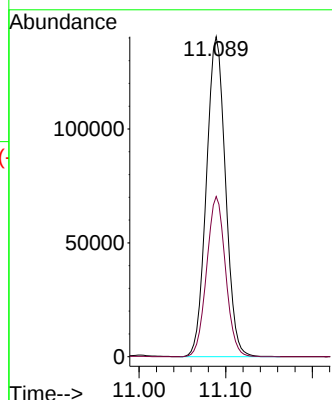
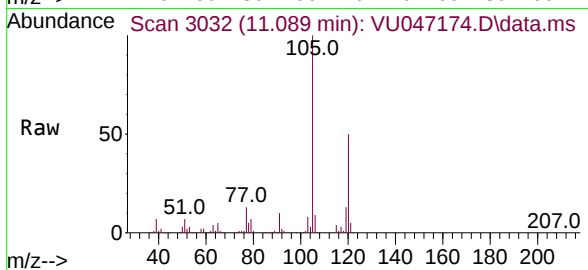
ClientSampleId :

Tgt Ion:105 Resp: 215242

Ion Ratio Lower Upper

105 100

120 49.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.057 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047174.D

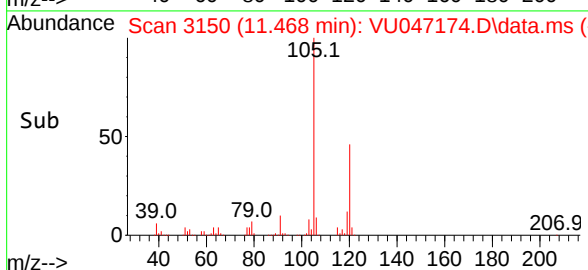
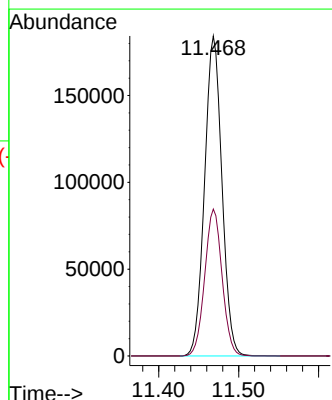
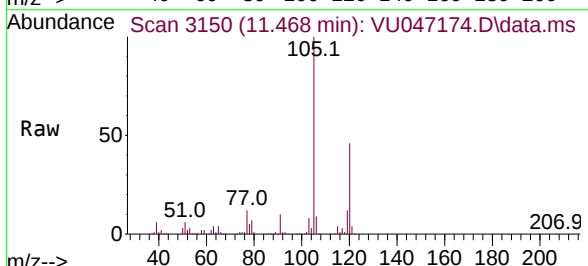
Acq: 16 Feb 2022 20:27

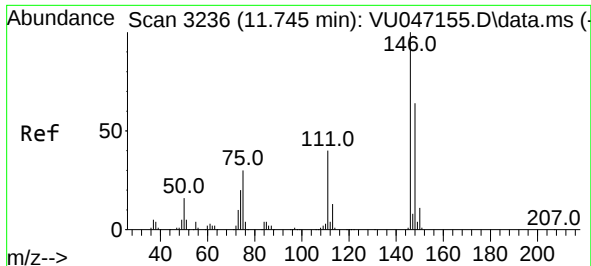
Tgt Ion:105 Resp: 278612

Ion Ratio Lower Upper

105 100

120 45.8 35.8 53.8

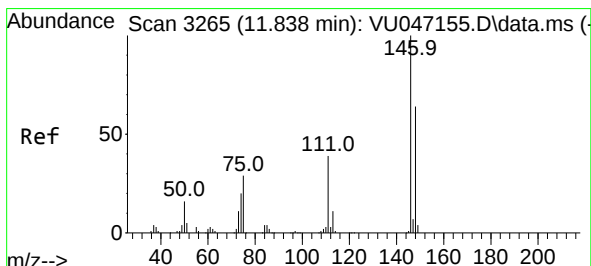
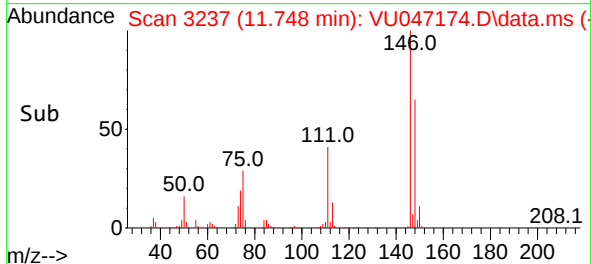
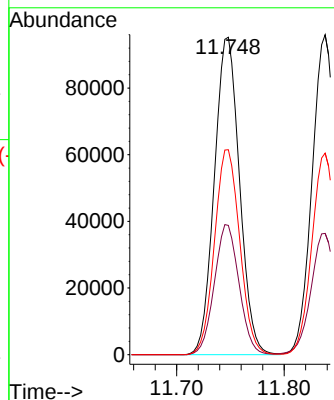
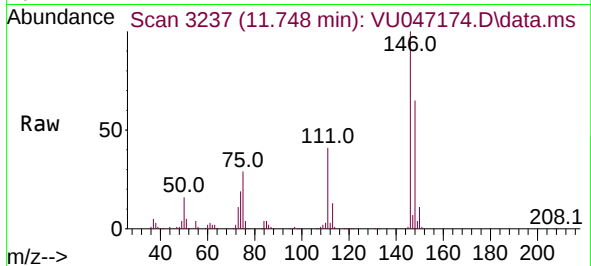




#64  
1,3-Dichlorobenzene  
Concen: 5.017 ug/L  
RT: 11.748 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

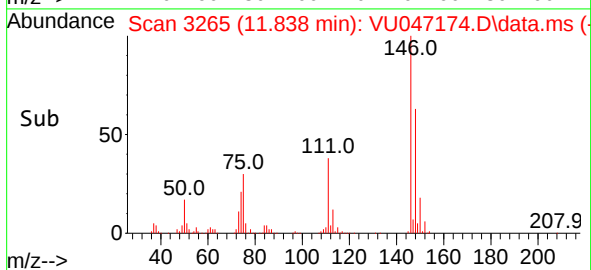
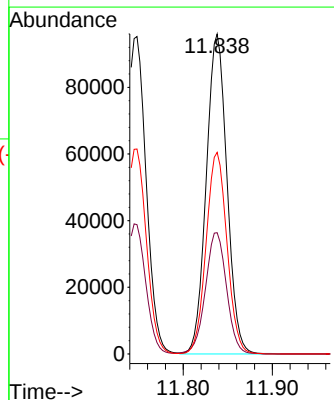
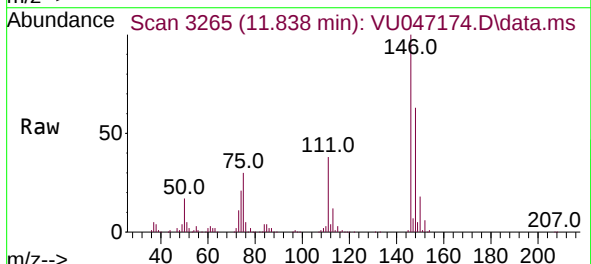
Instrument :  
MSVOA\_U  
ClientSampleId :

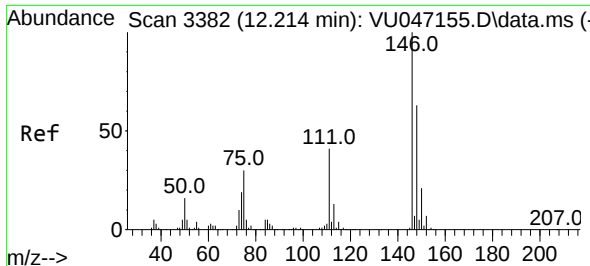
Tgt Ion:146 Resp: 155085  
Ion Ratio Lower Upper  
146 100  
111 40.7 29.9 55.5  
148 64.6 44.3 82.3



#65  
1,4-Dichlorobenzene  
Concen: 4.948 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

Tgt Ion:146 Resp: 154763  
Ion Ratio Lower Upper  
146 100  
111 37.9 28.7 53.3  
148 63.0 45.8 85.0

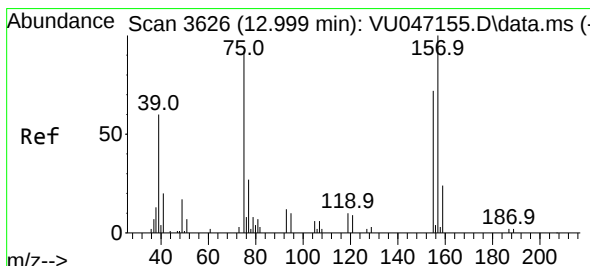
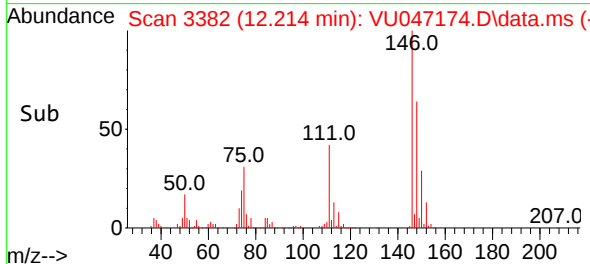
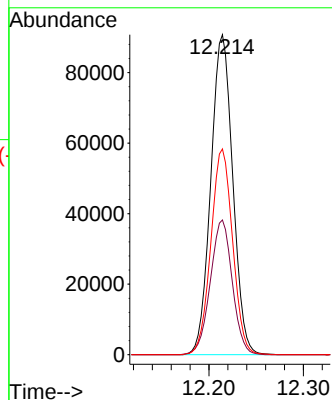
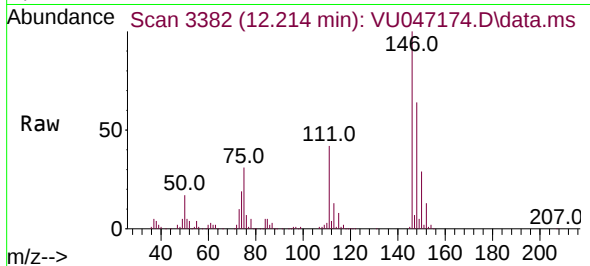




#67  
1,2-Dichlorobenzene  
Concen: 4.970 ug/L  
RT: 12.214 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

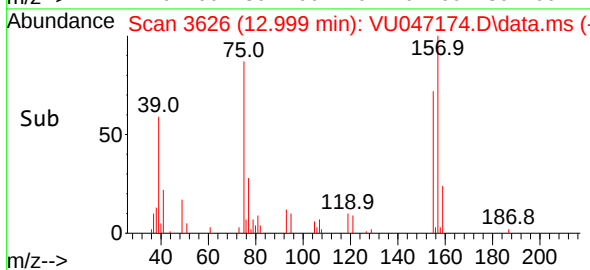
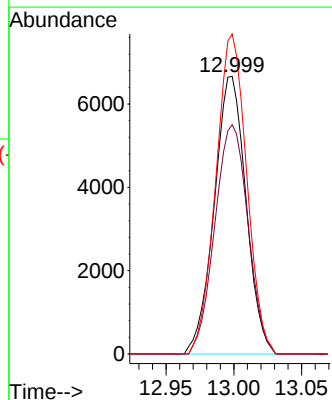
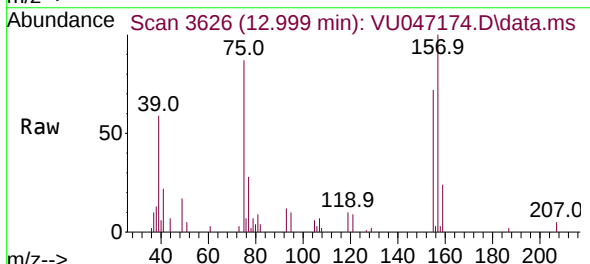
Instrument :  
MSVOA\_U  
ClientSampleId :

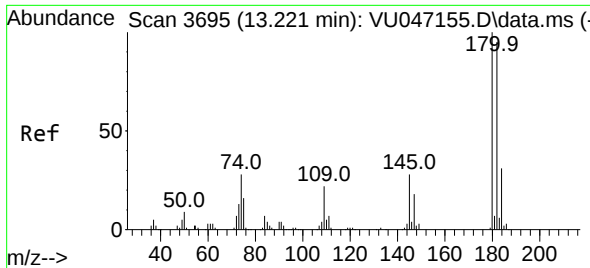
Tgt Ion:146 Resp: 146326  
Ion Ratio Lower Upper  
146 100  
111 42.1 35.4 53.0  
148 64.3 51.1 76.7



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.495 ug/L  
RT: 12.999 min Scan# 3626  
Delta R.T. 0.000 min  
Lab File: VU047174.D  
Acq: 16 Feb 2022 20:27

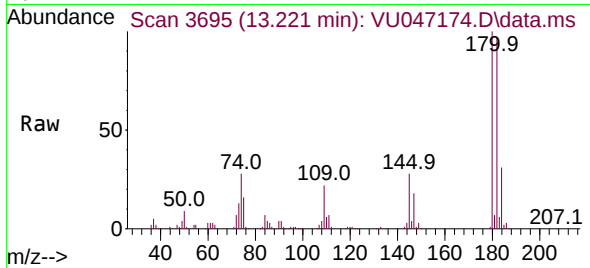
Tgt Ion: 75 Resp: 10831  
Ion Ratio Lower Upper  
75 100  
155 82.6 59.2 88.8  
157 115.3 76.5 114.7#





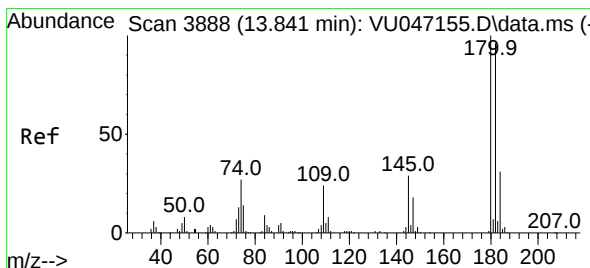
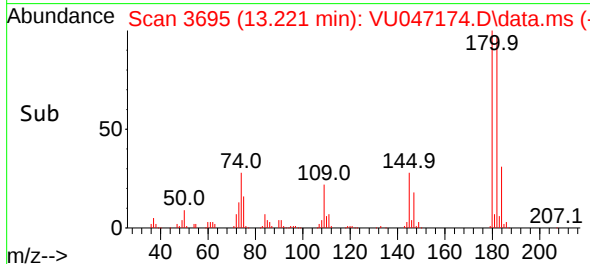
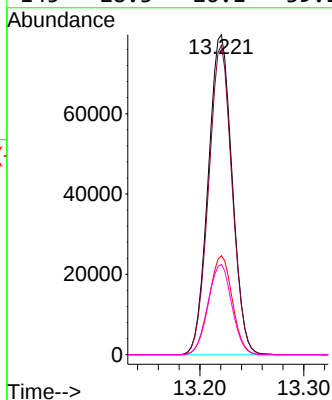
#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.970 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.000 min  
 Lab File: VU047174.D  
 Acq: 16 Feb 2022 20:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion:180 Resp: 126938

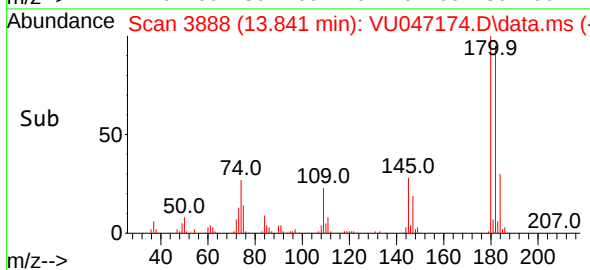
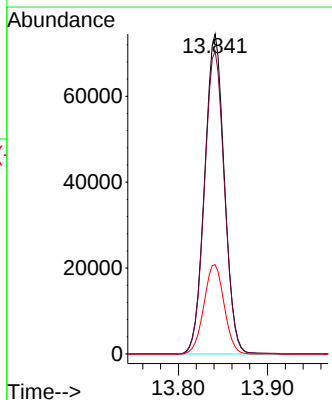
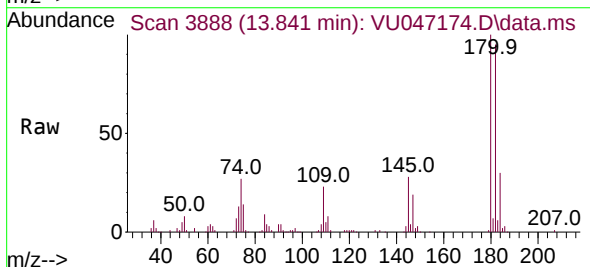
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.2  | 76.1  | 114.1 |
| 184 | 30.3  | 25.0  | 37.4  |
| 145 | 28.3  | 26.1  | 39.1  |

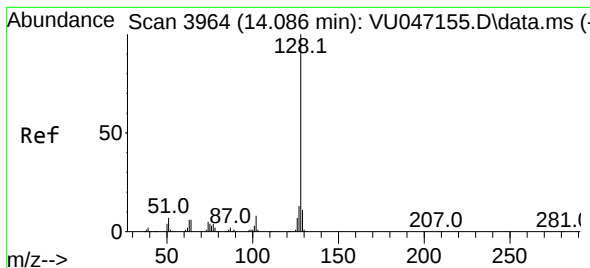


#70  
 1,2,4-trichlorobenzene  
 Concen: 4.808 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU047174.D  
 Acq: 16 Feb 2022 20:27

Tgt Ion:180 Resp: 114324

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.1  | 76.4  | 114.6 |
| 145 | 28.6  | 25.6  | 38.4  |





#71

Naphthalene

Concen: 4.431 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Instrument :

MSVOA\_U

ClientSampleId :

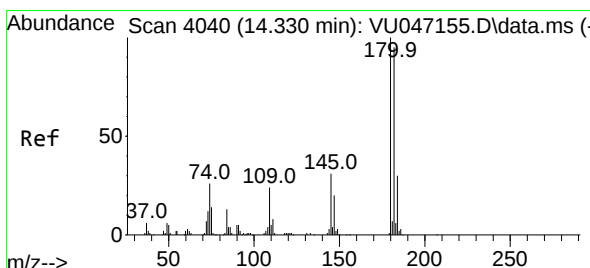
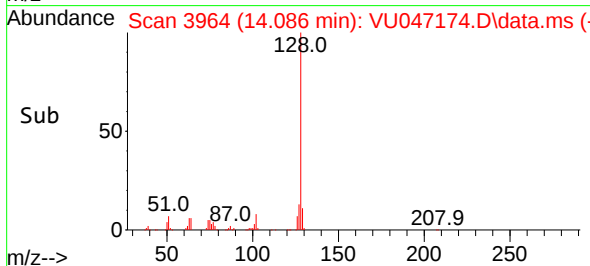
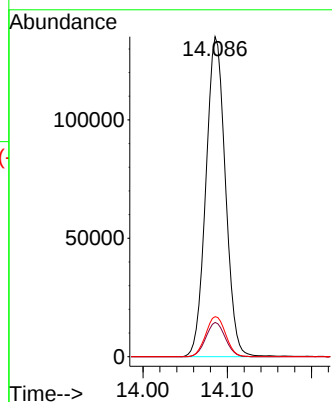
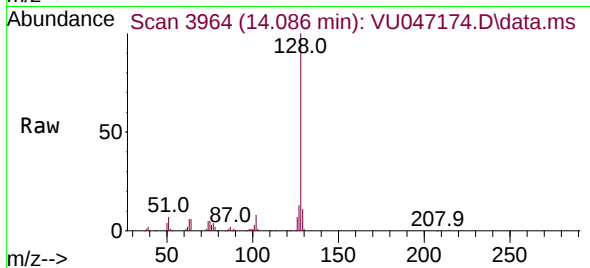
Tgt Ion:128 Resp: 217442

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 12.8 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.661 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU047174.D

Acq: 16 Feb 2022 20:27

Tgt Ion:180 Resp: 104240

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 30.7 28.4 42.6

