

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031422\  
 Data File : VU047531.D  
 Acq On : 14 Mar 2022 13:00  
 Operator : SY/MD  
 Sample : VSTD0.519  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5019

Quant Time: Mar 15 05:14:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR031422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Mar 15 05:13:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114  | 158112   | 5.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117  | 157126   | 5.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152  | 83931    | 5.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65   | 4937     | 0.477 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.919  | 69   | 4531     | 0.483 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65   | 2447     | 0.505 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.652  | 46   | 11685    | 3.927 | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.073  | 84   | 10869    | 0.479 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65   | 6210     | 0.505 | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.732  | 84   | 21648    | 0.473 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67   | 6869     | 0.478 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.899  | 98   | 19685    | 0.459 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79   | 2651     | 0.438 | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.639  | 63   | 12961    | 4.135 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84   | 6577     | 0.458 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152  | 8567     | 0.488 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85   | 4630     | 0.476 | ug/L   | 100      |
| 3) Chloromethane              | 1.523  | 50   | 5367     | 0.563 | ug/L   | 97       |
| 5) Vinyl chloride             | 1.607  | 62   | 5227     | 0.531 | ug/L   | 98       |
| 6) Bromomethane               | 1.864  | 94   | 2280     | 0.493 | ug/L   | 94       |
| 8) Chloroethane               | 1.938  | 64   | 3143     | 0.529 | ug/L   | 84       |
| 9) Trichlorofluoromethane     | 2.144  | 101  | 6306     | 0.489 | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101  | 3755     | 0.461 | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.588  | 96   | 3912     | 0.497 | ug/L   | 85       |
| 13) Acetone                   | 2.652  | 43   | 5453     | 4.701 | ug/L   | 97       |
| 14) Carbon disulfide          | 2.800  | 76   | 13144    | 0.555 | ug/L   | 97       |
| 15) Methyl Acetate            | 2.964  | 43   | 1083     | 0.338 | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73   | 10737    | 0.531 | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.363  | 96   | 4370     | 0.516 | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.877  | 63   | 7848     | 0.527 | ug/L   | 97       |
| 21) 2-Butanone                | 4.726  | 43   | 10435    | 4.728 | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96   | 4847     | 0.516 | ug/L   | 98       |
| 23) Bromochloromethane        | 4.980  | 128  | 2429     | 0.509 | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 5693     | 0.544 | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 7149     | 0.512 | ug/L   | 99       |
| 30) Cyclohexane               | 5.395  | 56   | 5489     | 0.455 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 6210     | 0.505 | ug/L   | 96       |
| 33) Benzene                   | 5.777  | 78   | 18096    | 0.510 | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 4768     | 0.507 | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.768  | 83   | 5654     | 0.418 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 4694     | 0.516 | ug/L # | 89       |
| 38) Bromodichloromethane      | 7.108  | 83   | 6682     | 0.533 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 7190     | 0.509 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 33193    | 5.234 | ug/L   | 93       |
| 42) Toluene                   | 7.973  | 91   | 19236    | 0.500 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 6371     | 0.505 | ug/L # | 75       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 4260     | 0.546 | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.555  | 164  | 3860     | 0.481 | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031422\  
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 Sample : VSTD0.519  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5019

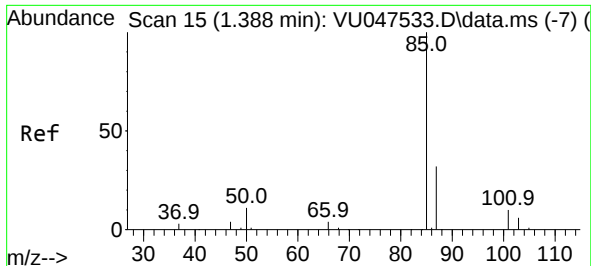
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR031422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Mar 15 05:13:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 48) 2-Hexanone                | 8.690  | 43   | 25965    | 5.380 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.813  | 129  | 4893     | 0.509 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 8.928  | 107  | 4018     | 0.521 | ug/L # | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 13677    | 0.520 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 19679    | 0.483 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.697  | 106  | 7139     | 0.453 | ug/L   | 92       |
| 54) o-Xylene                  | 10.102 | 106  | 7410     | 0.476 | ug/L   | 93       |
| 55) Styrene                   | 10.115 | 104  | 12404    | 0.464 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 5394     | 0.516 | ug/L   | 94       |
| 59) Bromoform                 | 10.292 | 173  | 3130     | 0.529 | ug/L # | 97       |
| 60) Isopropylbenzene          | 10.488 | 105  | 18480    | 0.487 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.829 | 75   | 4014     | 0.570 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 11476    | 0.474 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 14591    | 0.464 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 11098    | 0.525 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 11750    | 0.544 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 11597    | 0.555 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 1014     | 0.600 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 9802     | 0.548 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 8832     | 0.562 | ug/L   | 98       |
| 71) Naphthalene               | 14.089 | 128  | 18879    | 0.647 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 9247     | 0.613 | ug/L   | 97       |

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

Quant Time: Mar 15 05:14:47 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR031422WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Mar 15 05:13:54 2022  
Response via : Initial Calibration

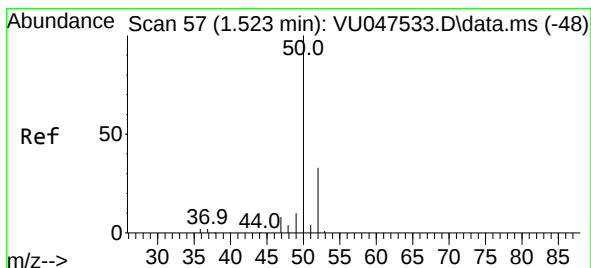
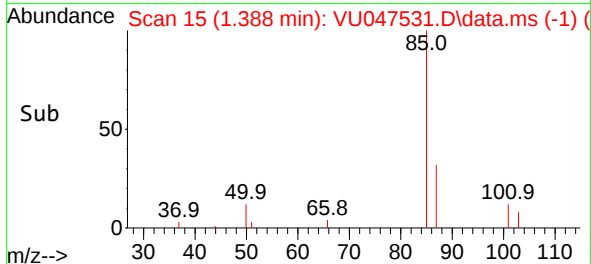
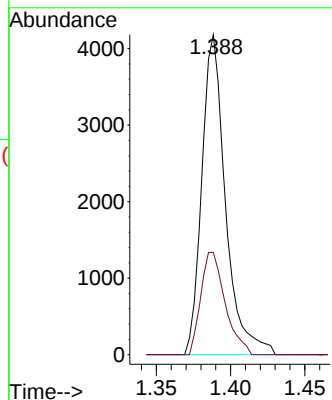
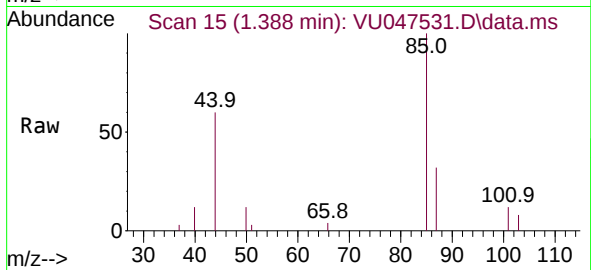




#2  
Dichlorodifluoromethane  
Concen: 0.476 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

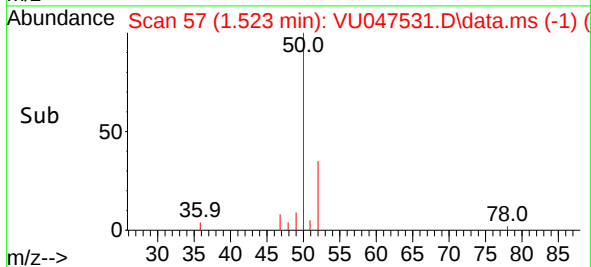
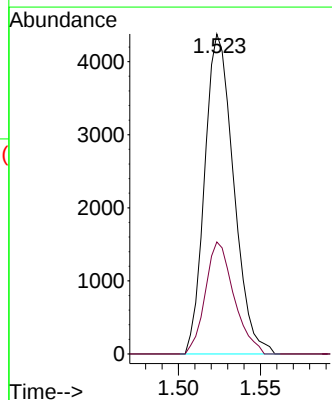
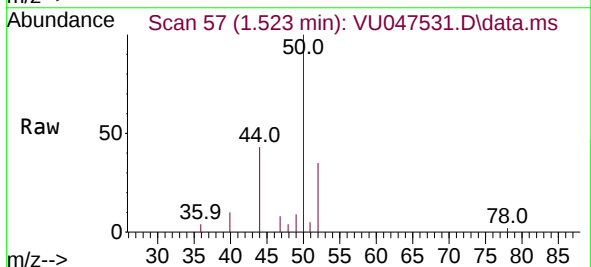
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

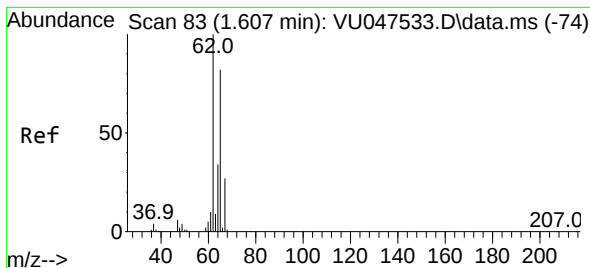
Tgt Ion: 85 Resp: 4630  
Ion Ratio Lower Upper  
85 100  
87 32.9 26.2 39.4



#3  
Chloromethane  
Concen: 0.563 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 50 Resp: 5367  
Ion Ratio Lower Upper  
50 100  
52 35.0 23.2 43.0





#5

Vinyl chloride

Concen: 0.531 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

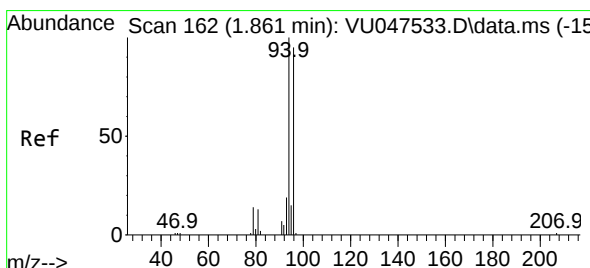
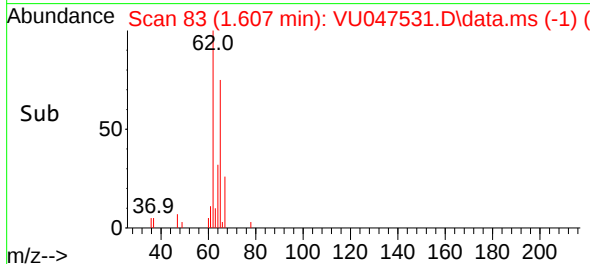
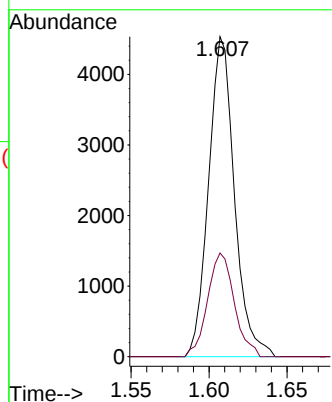
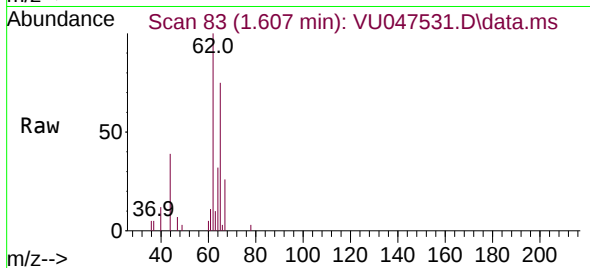
VSTD0.5019

Tgt Ion: 62 Resp: 5227

Ion Ratio Lower Upper

62 100

64 32.4 23.5 43.7



#6

Bromomethane

Concen: 0.493 ug/L

RT: 1.864 min Scan# 163

Delta R.T. 0.003 min

Lab File: VU047531.D

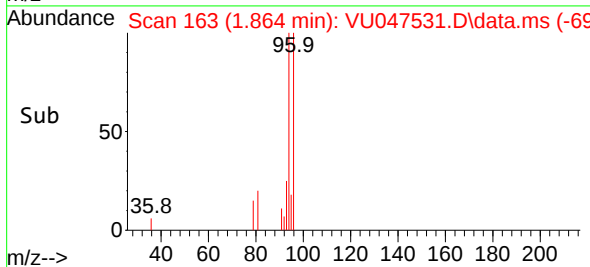
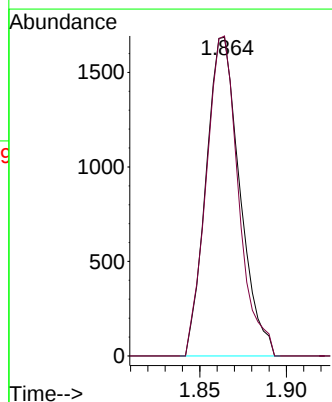
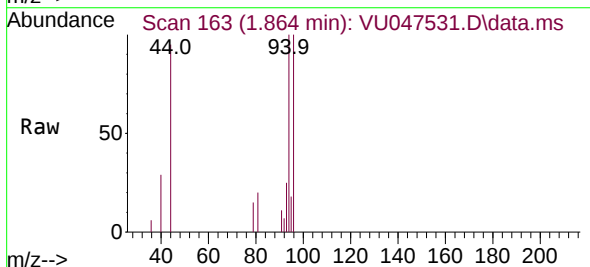
Acq: 14 Mar 2022 13:00

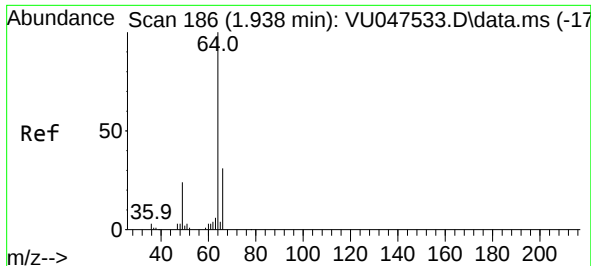
Tgt Ion: 94 Resp: 2280

Ion Ratio Lower Upper

94 100

96 100.5 66.5 123.5

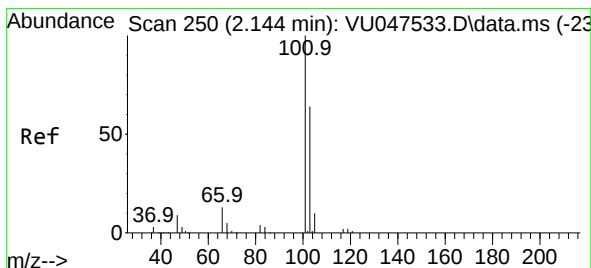
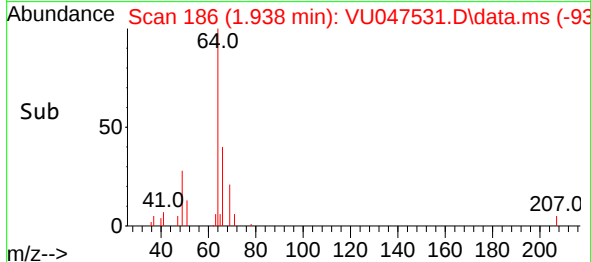
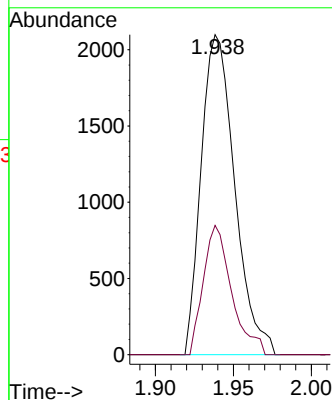
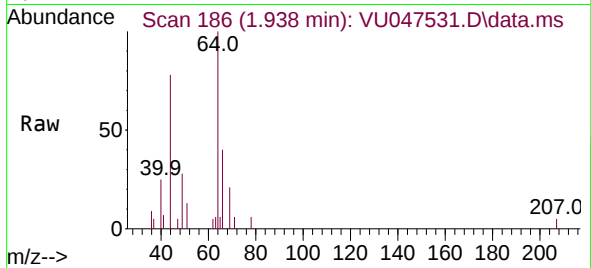




#8  
Chloroethane  
Concen: 0.529 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

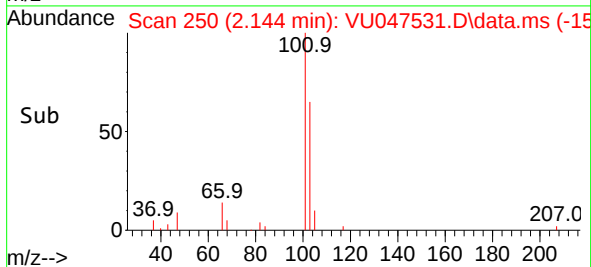
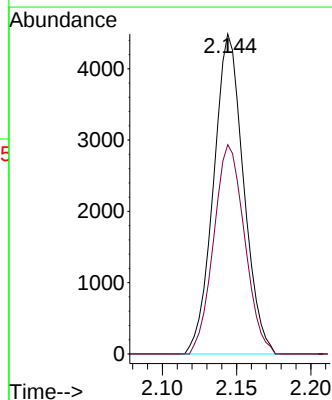
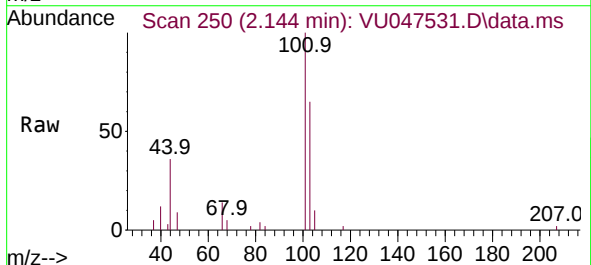
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

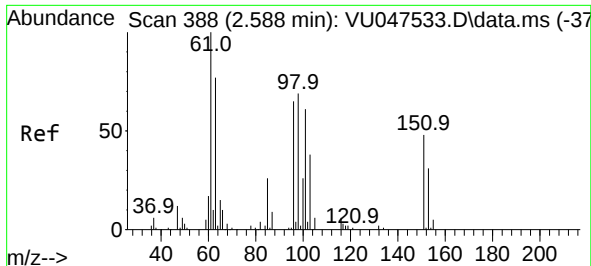
Tgt Ion: 64 Resp: 3143  
Ion Ratio Lower Upper  
64 100  
66 40.4 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 0.489 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 101 Resp: 6306  
Ion Ratio Lower Upper  
101 100  
103 67.3 51.4 77.2





#10

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

Concen: 0.461 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5019

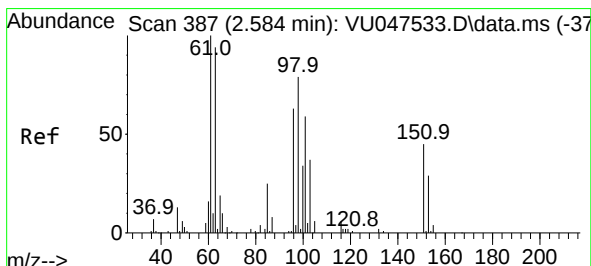
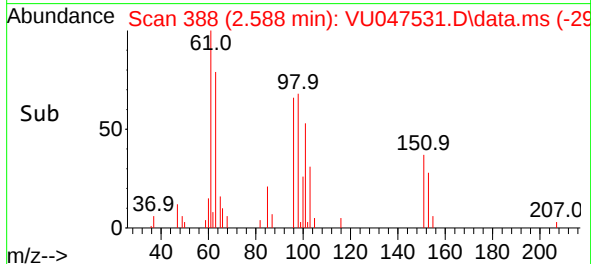
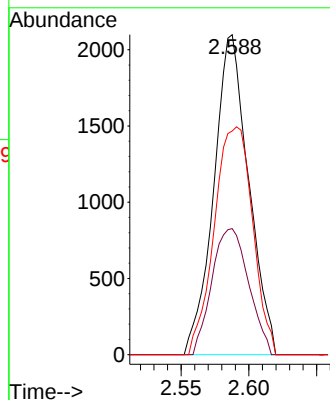
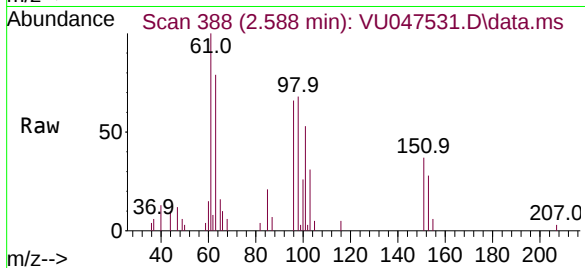
Tgt Ion:101 Resp: 3755

Ion Ratio Lower Upper

101 100

85 41.5 34.0 51.0

151 78.3 63.8 95.6



#12

1,1-Dichloroethene

Concen: 0.497 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.003 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

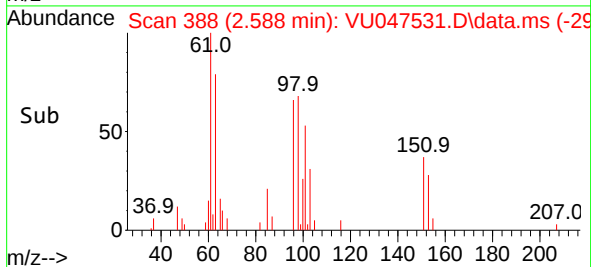
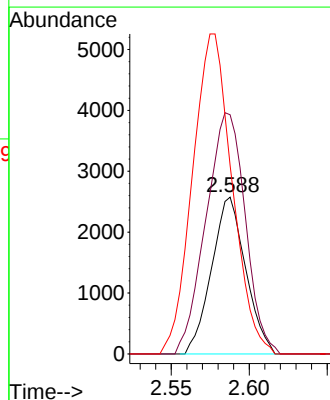
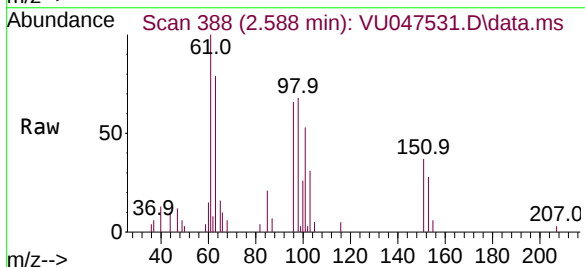
Tgt Ion: 96 Resp: 3912

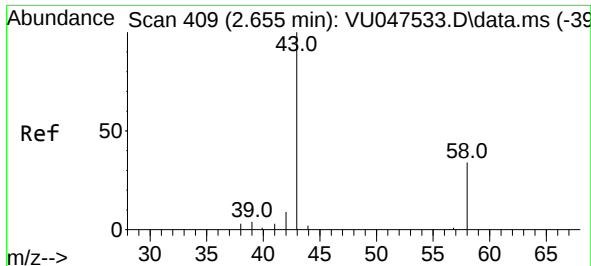
Ion Ratio Lower Upper

96 100

61 152.6 111.4 207.0

63 120.3 106.6 198.0





#13

Acetone

Concen: 4.701 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.003 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

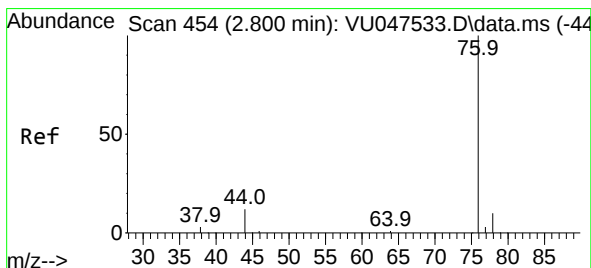
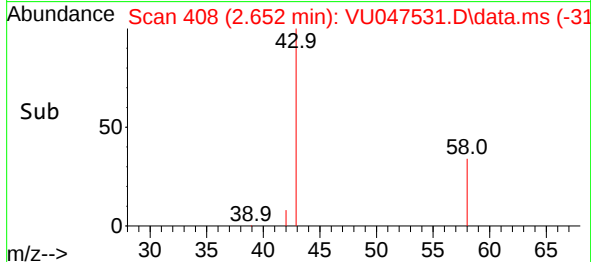
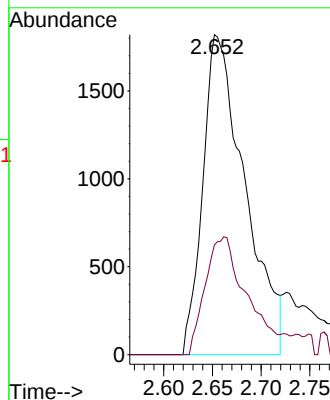
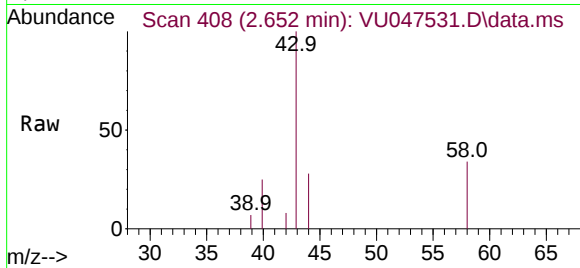
VSTD0.5019

Tgt Ion: 43 Resp: 5453

Ion Ratio Lower Upper

43 100

58 36.3 0.0 69.4



#14

Carbon disulfide

Concen: 0.555 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047531.D

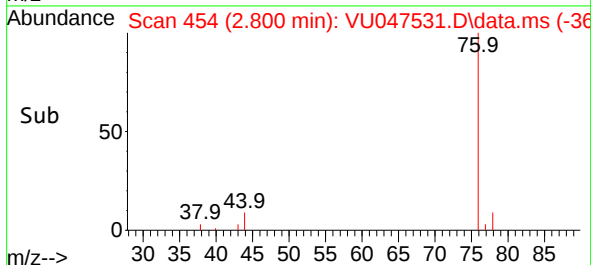
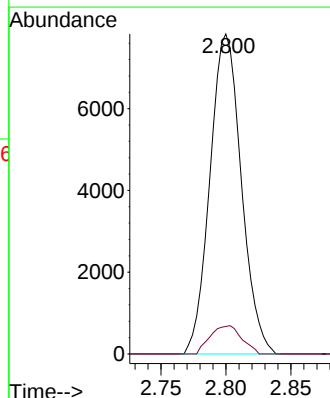
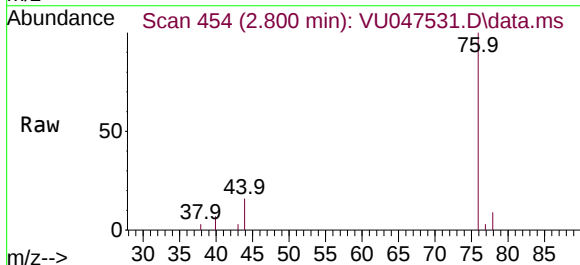
Acq: 14 Mar 2022 13:00

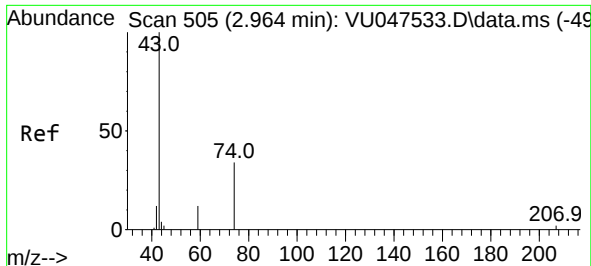
Tgt Ion: 76 Resp: 13144

Ion Ratio Lower Upper

76 100

78 8.6 7.7 11.5

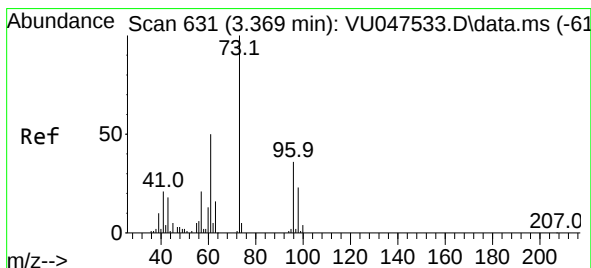
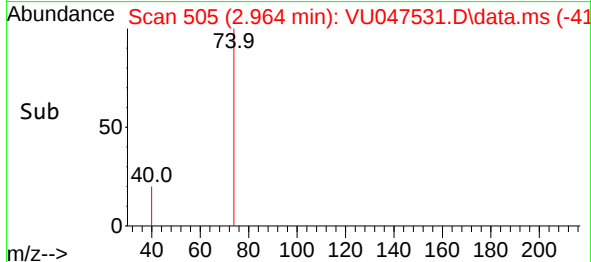
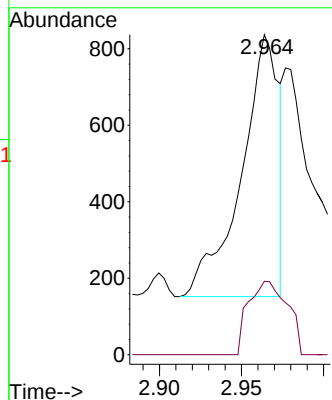
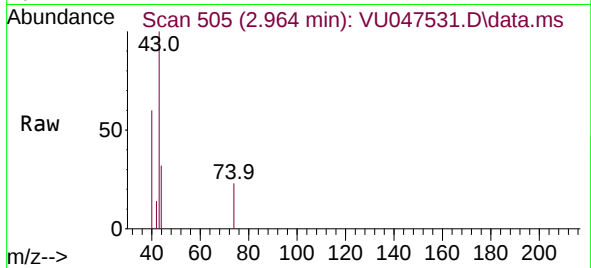




#15  
Methyl Acetate  
Concen: 0.338 ug/L  
RT: 2.964 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

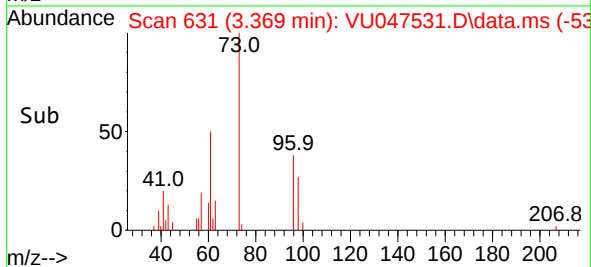
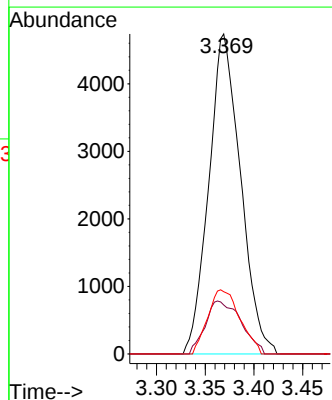
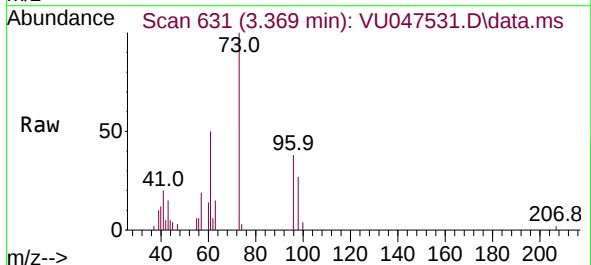
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

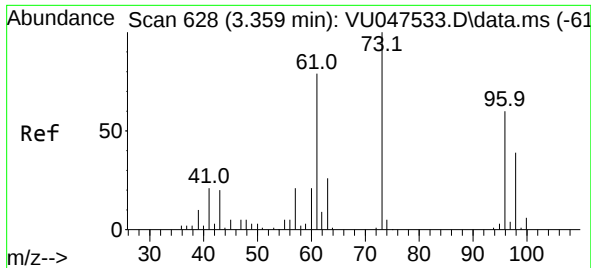
Tgt Ion: 43 Resp: 1083  
Ion Ratio Lower Upper  
43 100  
74 29.3 21.8 32.6



#17  
Methyl tert-butyl Ether  
Concen: 0.531 ug/L  
RT: 3.369 min Scan# 631  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 73 Resp: 10737  
Ion Ratio Lower Upper  
73 100  
43 18.7 15.2 22.8  
57 20.3 17.2 25.8

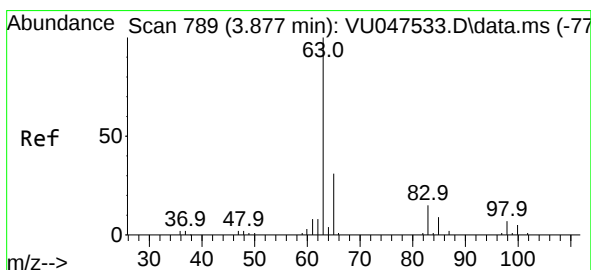
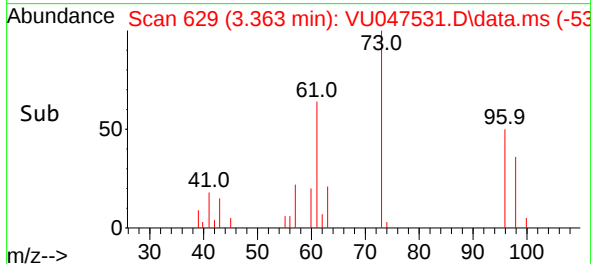
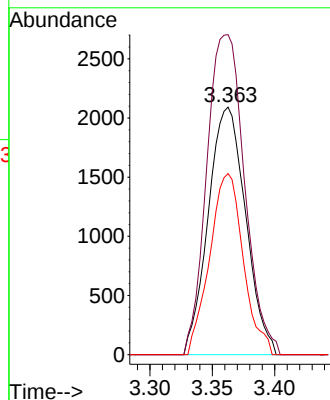
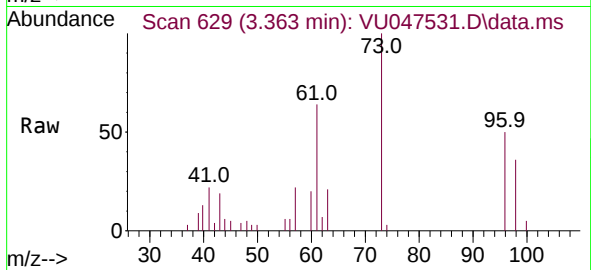




#18  
trans-1,2-Dichloroethene  
Concen: 0.516 ug/L  
RT: 3.363 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

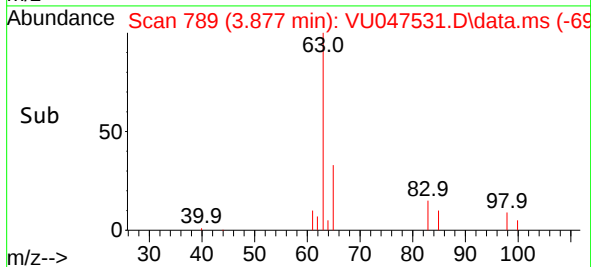
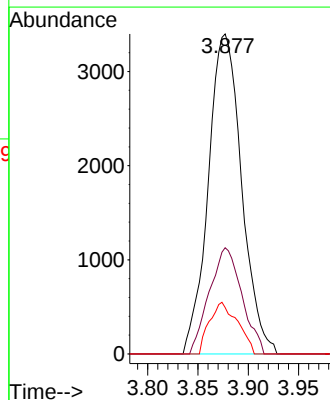
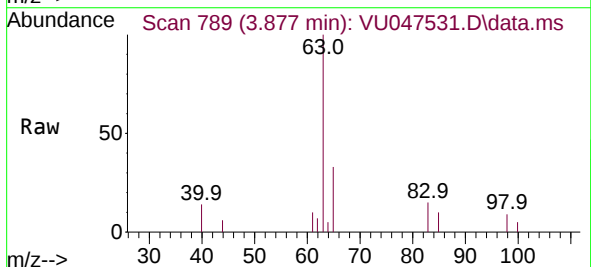
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

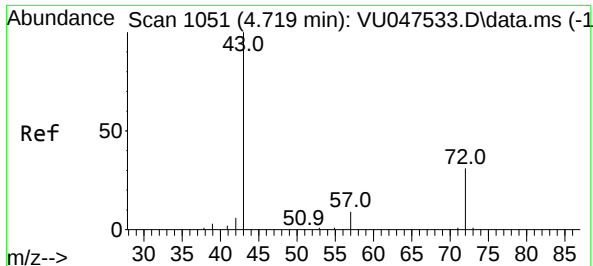
Tgt Ion: 96 Resp: 4370  
Ion Ratio Lower Upper  
96 100  
61 129.3 91.7 170.3  
98 73.2 45.1 83.7



#19  
1,1-Dichloroethane  
Concen: 0.527 ug/L  
RT: 3.877 min Scan# 789  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 63 Resp: 7848  
Ion Ratio Lower Upper  
63 100  
65 33.2 21.8 40.6  
83 14.5 10.8 20.0





#21

2-Butanone

Concen: 4.728 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.007 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

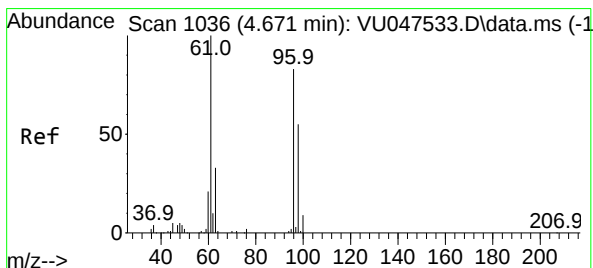
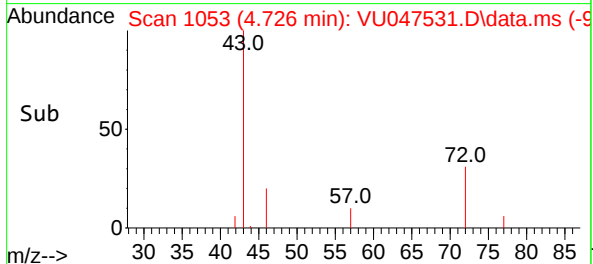
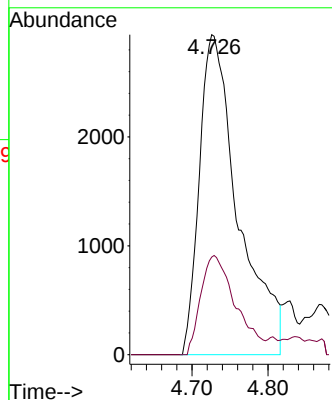
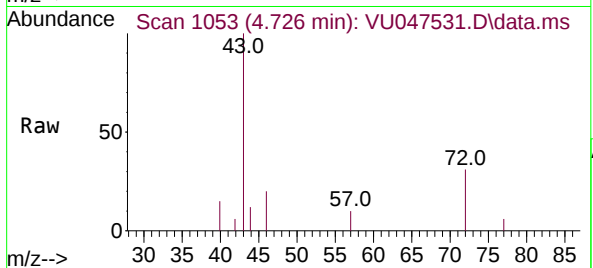
VSTD0.5019

Tgt Ion: 43 Resp: 10435

Ion Ratio Lower Upper

43 100

72 28.1 14.9 44.7



#22

cis-1,2-Dichloroethene

Concen: 0.516 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

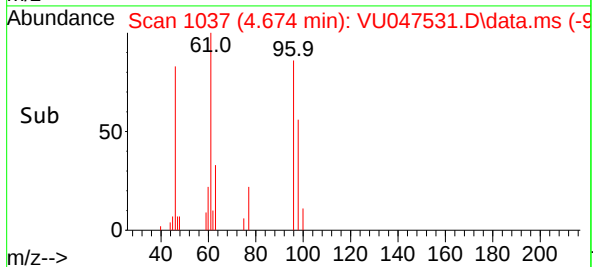
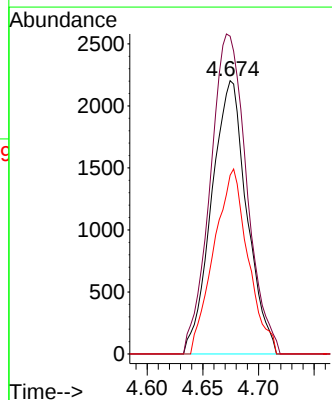
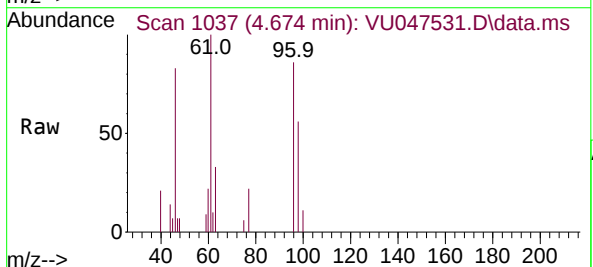
Tgt Ion: 96 Resp: 4847

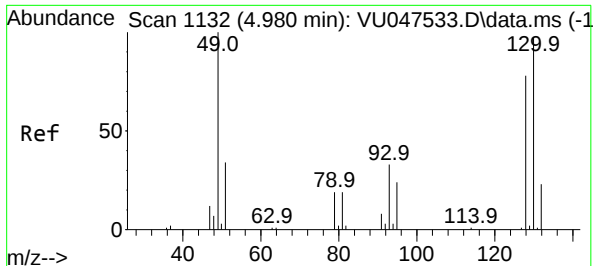
Ion Ratio Lower Upper

96 100

61 116.3 83.9 155.7

98 65.4 46.4 86.2





#23

Bromochloromethane

Concen: 0.509 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5019

Tgt Ion:128 Resp: 2429

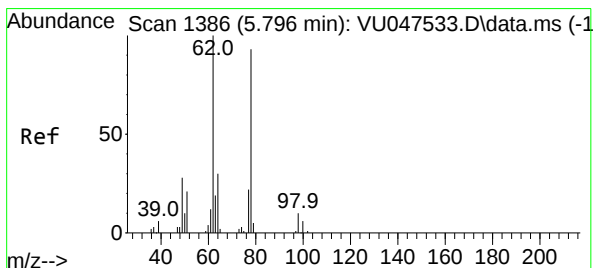
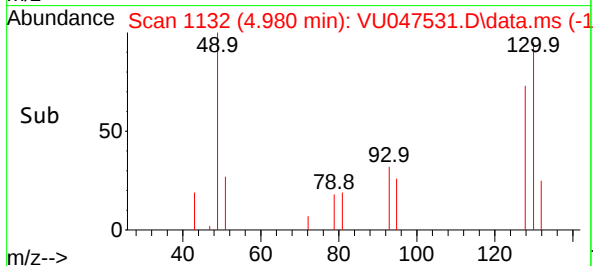
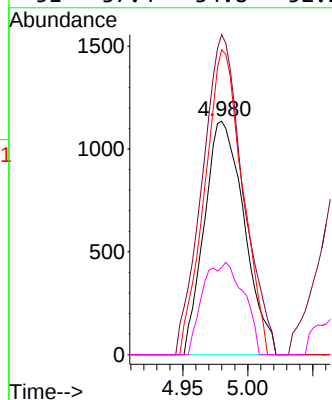
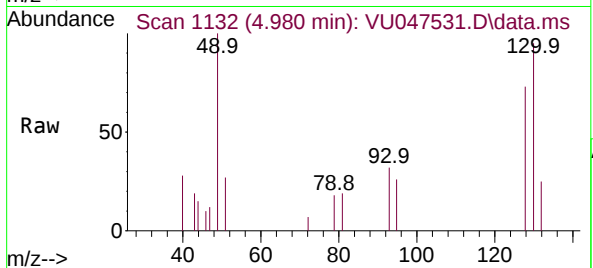
Ion Ratio Lower Upper

128 100

49 137.1 89.6 166.4

130 130.7 87.3 162.1

51 37.4 34.8 52.2



#27

1,2-Dichloroethane

Concen: 0.544 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU047531.D

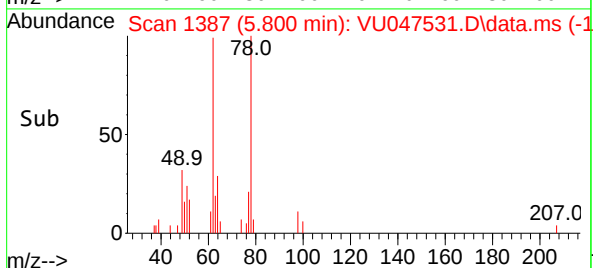
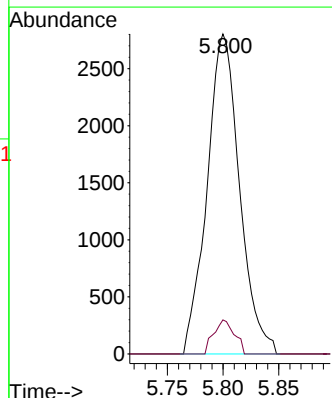
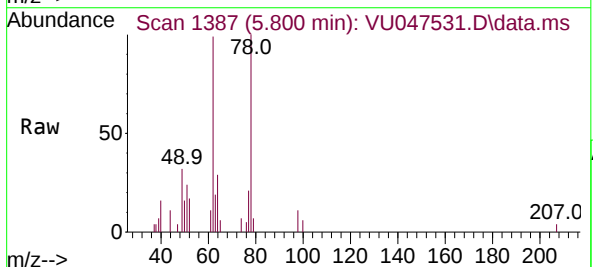
Acq: 14 Mar 2022 13:00

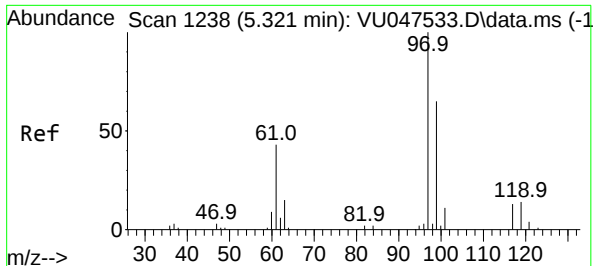
Tgt Ion: 62 Resp: 5693

Ion Ratio Lower Upper

62 100

98 10.7 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 0.512 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5019

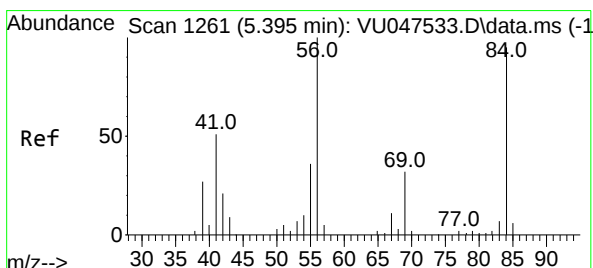
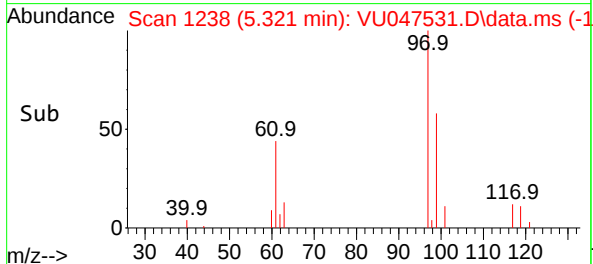
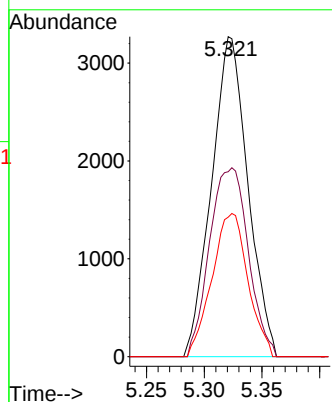
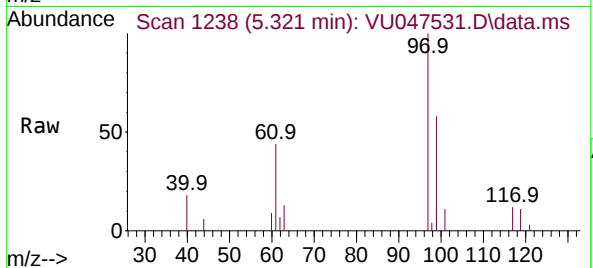
Tgt Ion: 97 Resp: 7149

Ion Ratio Lower Upper

97 100

99 63.2 51.2 76.8

61 44.4 35.0 52.4



#30

Cyclohexane

Concen: 0.455 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

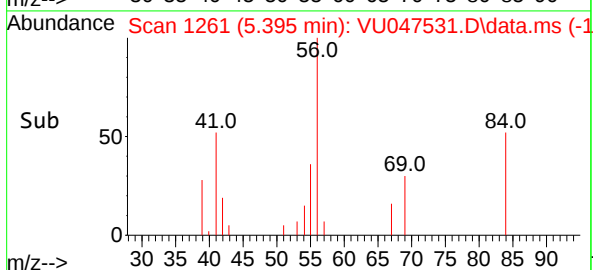
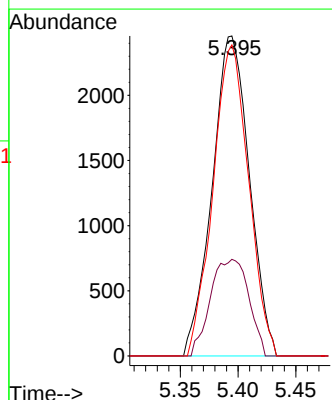
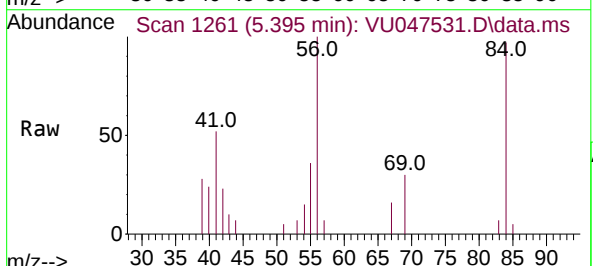
Tgt Ion: 56 Resp: 5489

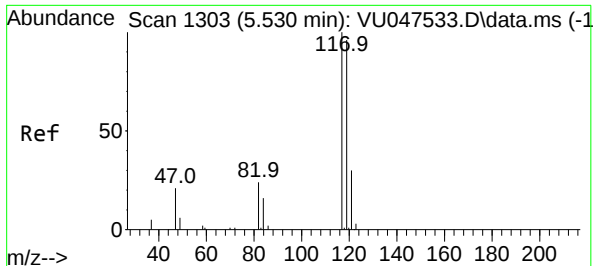
Ion Ratio Lower Upper

56 100

69 31.1 26.0 39.0

84 93.2 76.2 114.4

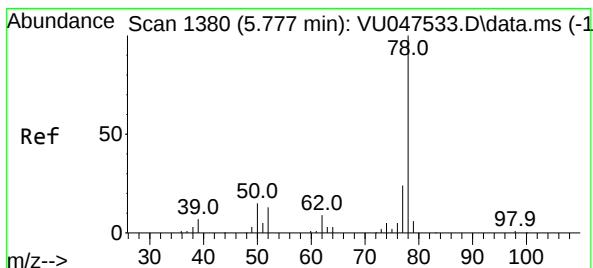
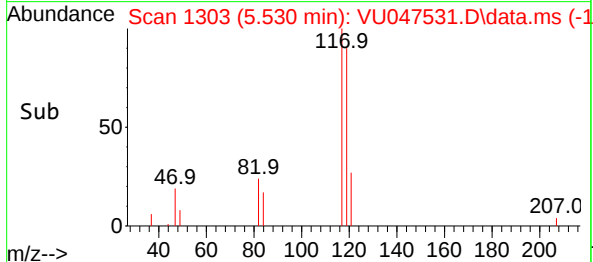
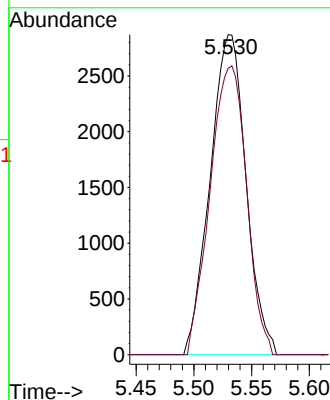
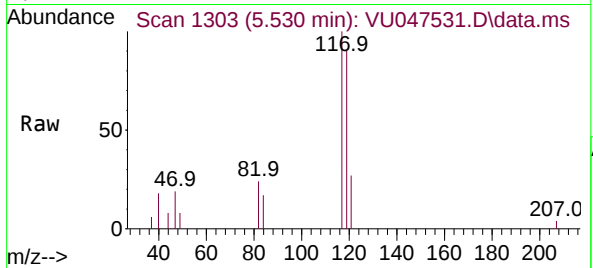




#31  
Carbon tetrachloride  
Concen: 0.505 ug/L  
RT: 5.530 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

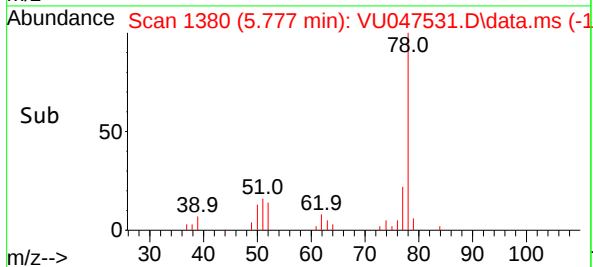
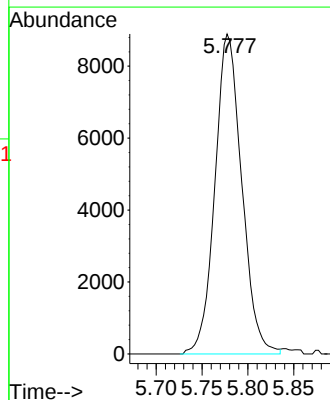
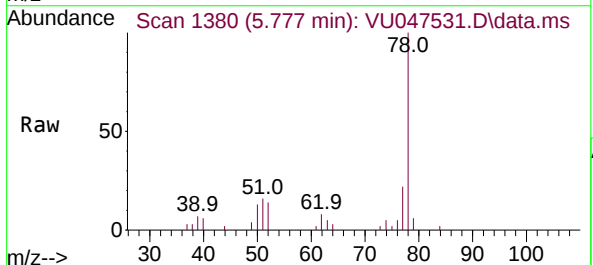
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

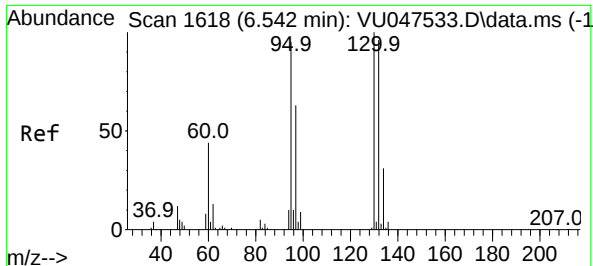
Tgt Ion:117 Resp: 6210  
Ion Ratio Lower Upper  
117 100  
119 91.7 76.9 115.3



#33  
Benzene  
Concen: 0.510 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 78 Resp: 18096

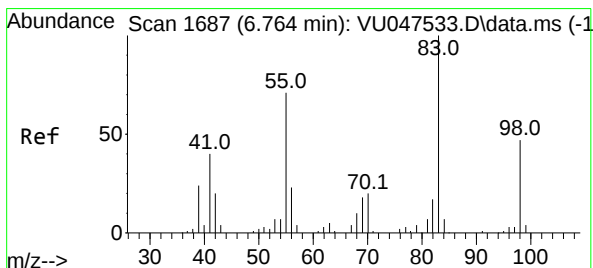
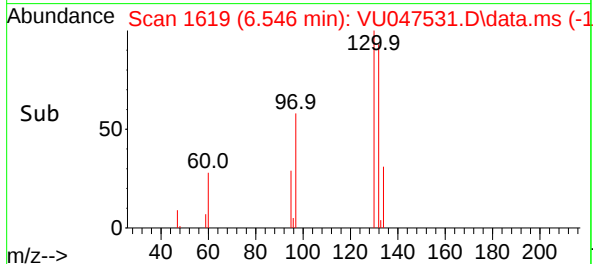
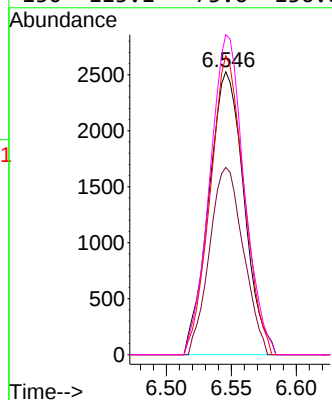
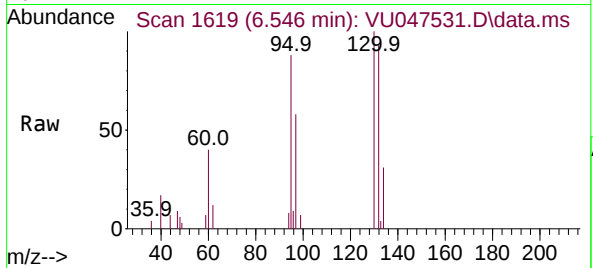




#34  
Trichloroethene  
Concen: 0.507 ug/L  
RT: 6.546 min Scan# 1618  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

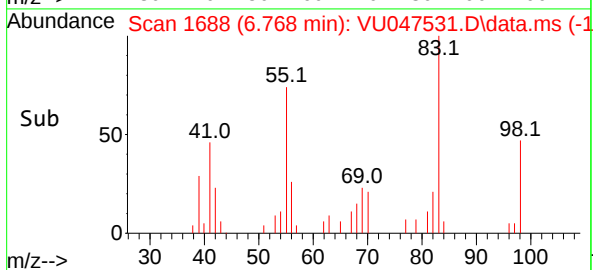
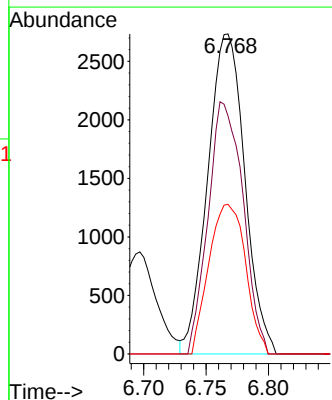
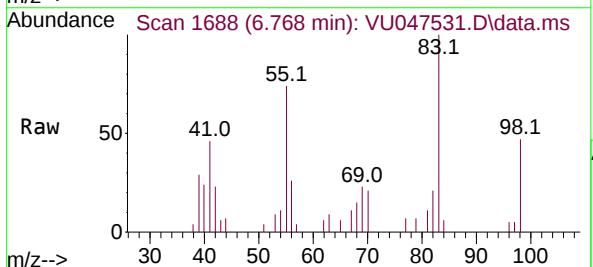
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

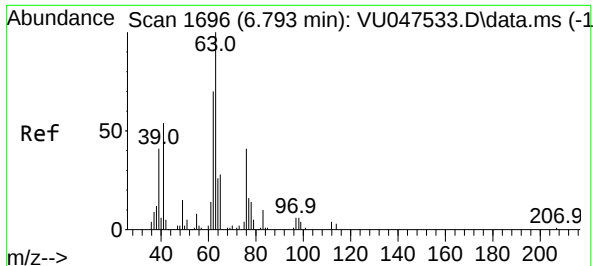
Tgt Ion: 95 Resp: 4768  
Ion Ratio Lower Upper  
95 100  
97 66.1 46.3 85.9  
132 105.6 70.7 131.3  
130 113.1 73.6 136.8



#35  
Methylcyclohexane  
Concen: 0.418 ug/L  
RT: 6.768 min Scan# 1688  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 83 Resp: 5654  
Ion Ratio Lower Upper  
83 100  
55 74.1 57.3 85.9  
98 46.3 37.5 56.3





#37

1,2-Dichloropropane

Concen: 0.516 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

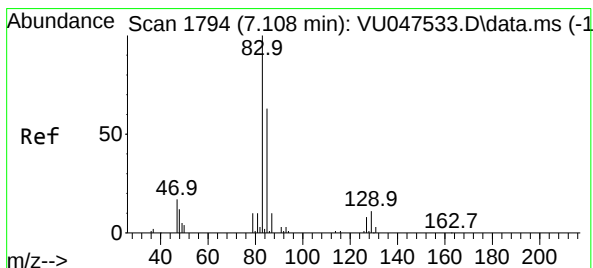
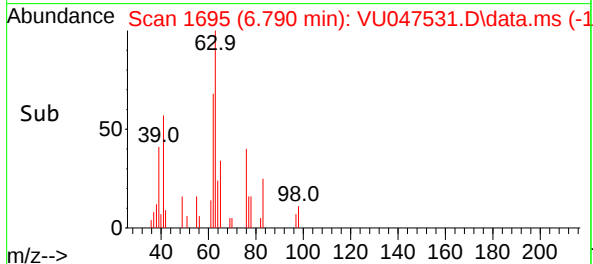
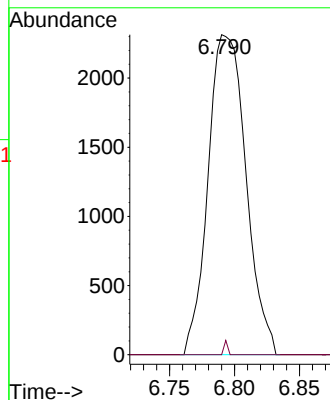
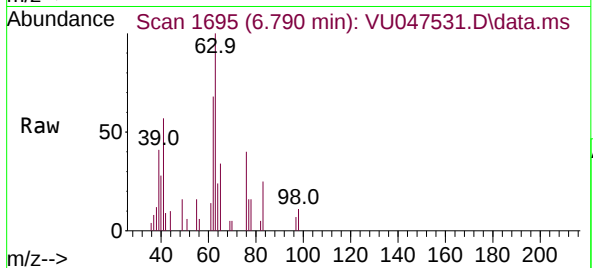
VSTD0.5019

Tgt Ion: 63 Resp: 4694

Ion Ratio Lower Upper

63 100

112 0.4 3.4 5.0#



#38

Bromodichloromethane

Concen: 0.533 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

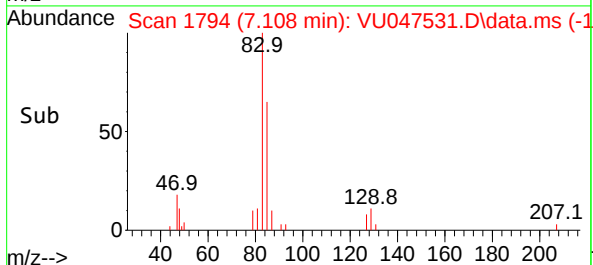
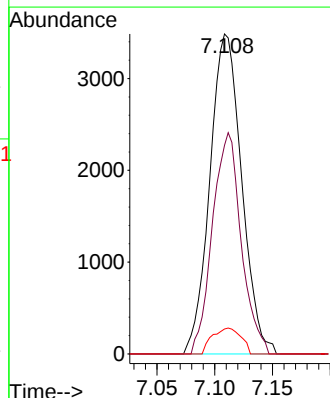
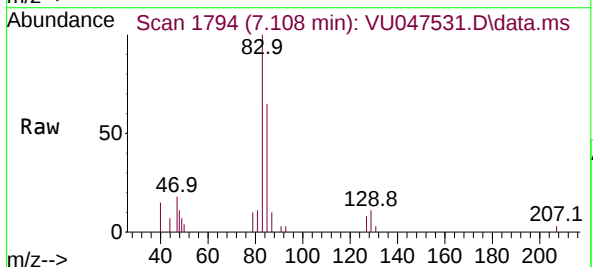
Tgt Ion: 83 Resp: 6682

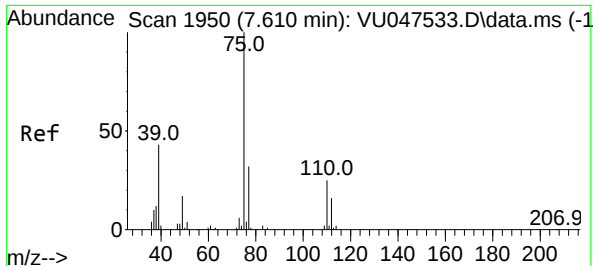
Ion Ratio Lower Upper

83 100

85 65.2 44.2 82.0

127 7.8 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 0.509 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

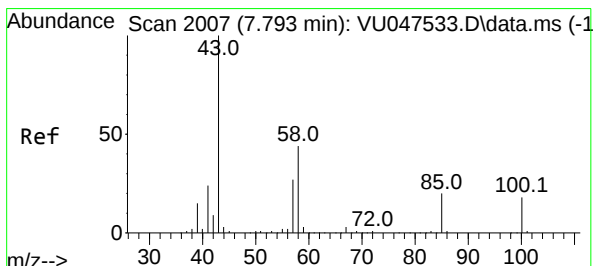
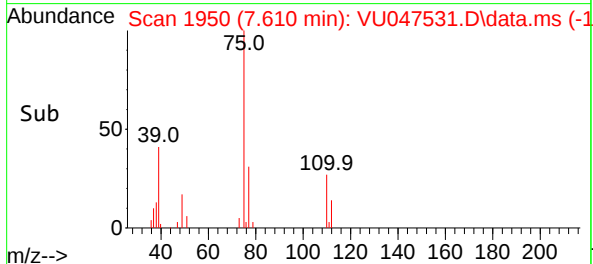
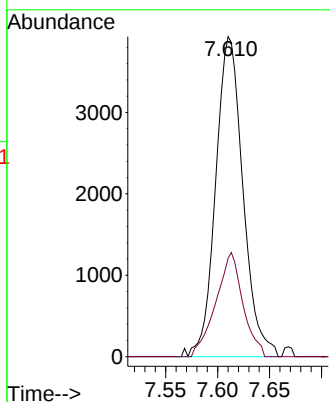
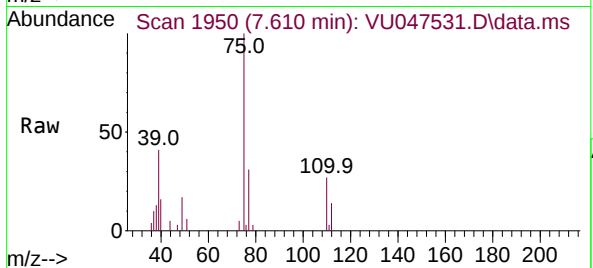
VSTD0.5019

Tgt Ion: 75 Resp: 7190

Ion Ratio Lower Upper

75 100

77 30.8 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 5.234 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

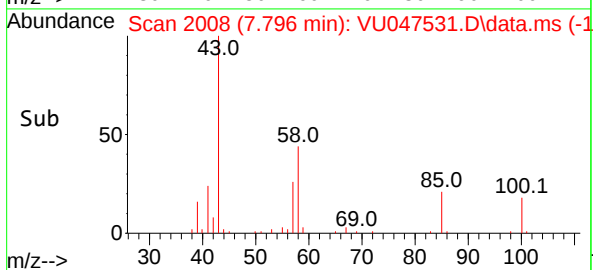
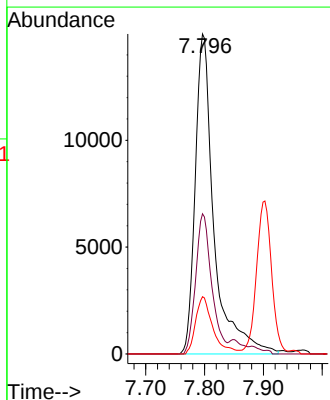
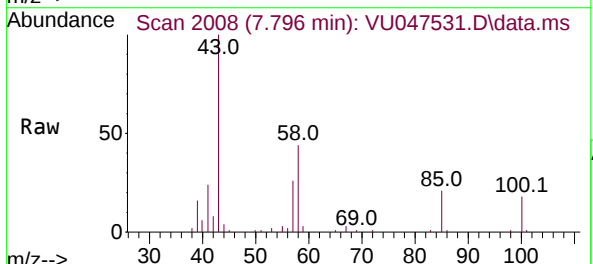
Tgt Ion: 43 Resp: 33193

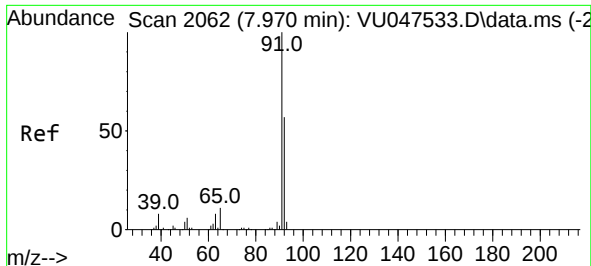
Ion Ratio Lower Upper

43 100

58 37.4 34.5 51.7

100 16.5 13.8 20.6





#42

Toluene

Concen: 0.500 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

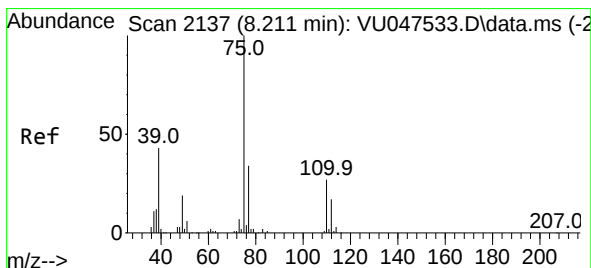
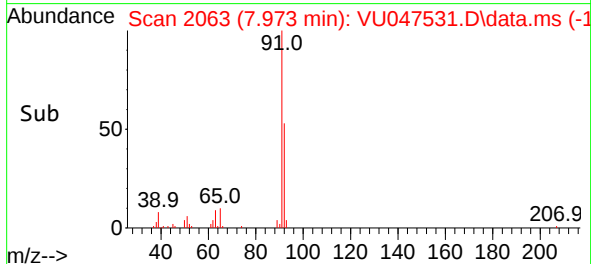
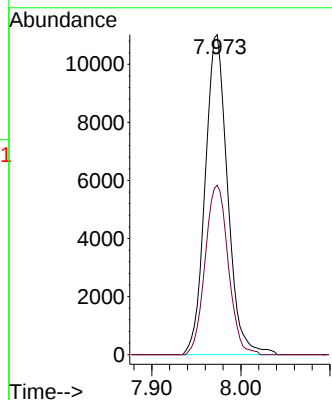
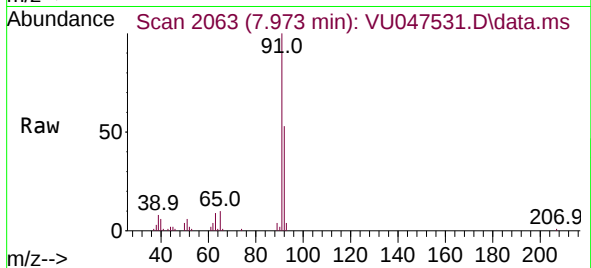
VSTD0.5019

Tgt Ion: 91 Resp: 19236

Ion Ratio Lower Upper

91 100

92 53.0 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.505 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU047531.D

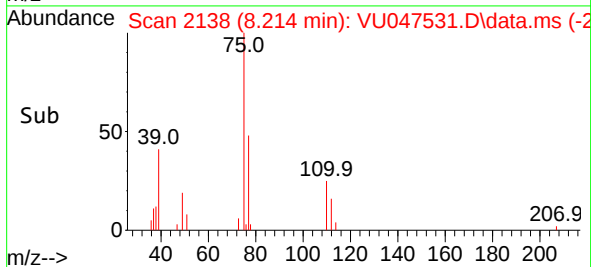
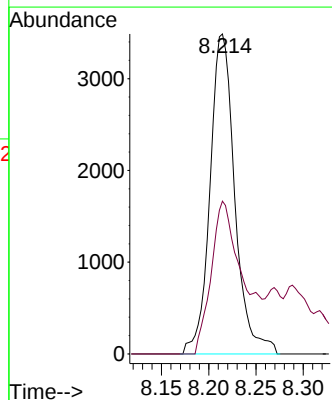
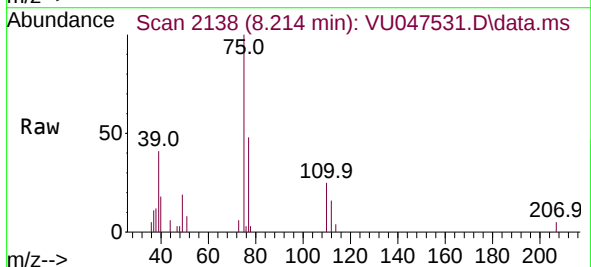
Acq: 14 Mar 2022 13:00

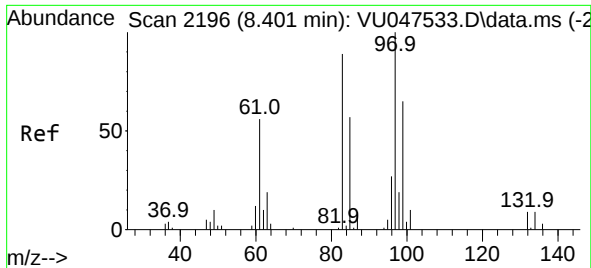
Tgt Ion: 75 Resp: 6371

Ion Ratio Lower Upper

75 100

77 47.7 23.4 43.6#

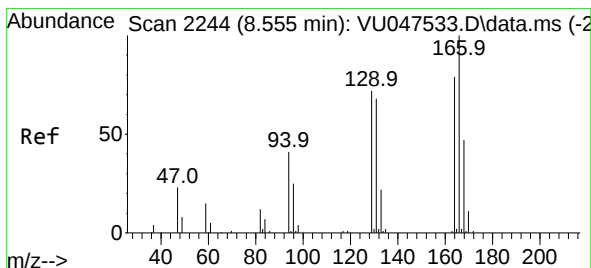
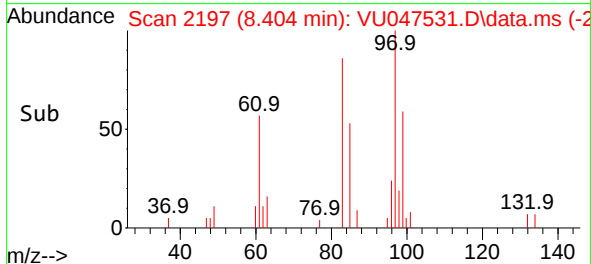
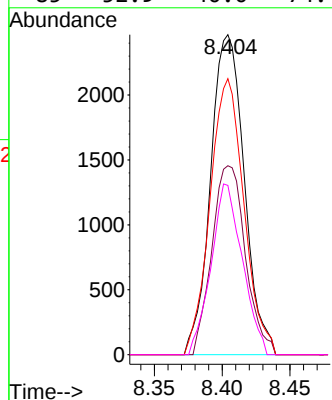
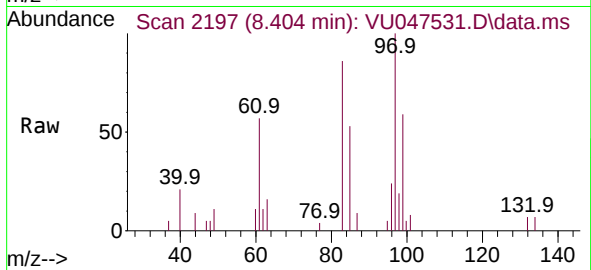




#45  
1,1,2-Trichloroethane  
Concen: 0.546 ug/L  
RT: 8.404 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

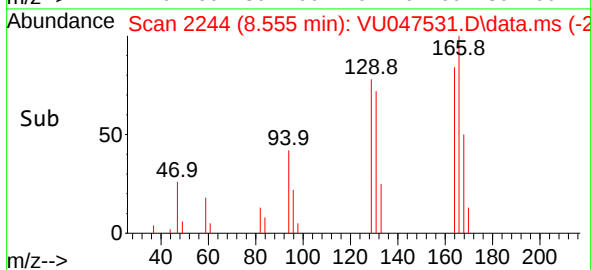
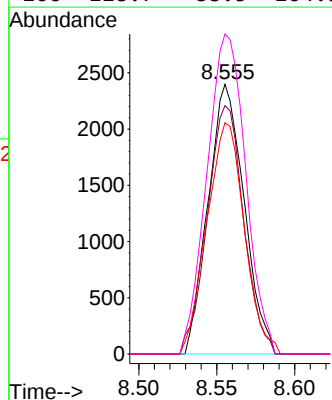
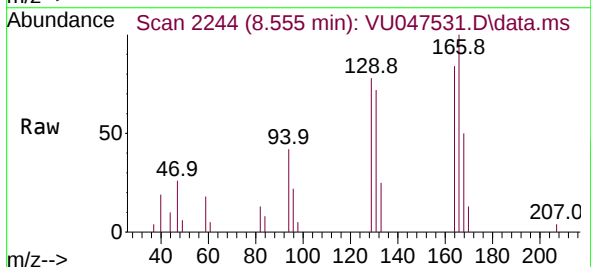
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

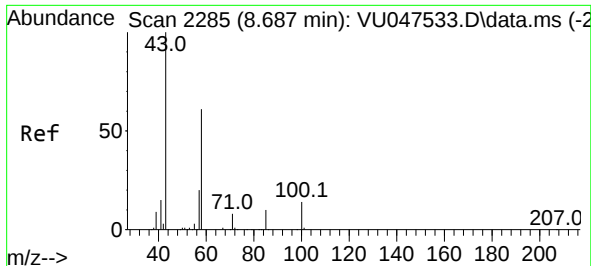
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 97 | Resp: | 4260  |       |
| Ion         | Ratio | Lower | Upper |
| 97          | 100   |       |       |
| 99          | 59.0  | 45.3  | 84.1  |
| 83          | 86.2  | 62.2  | 115.6 |
| 85          | 52.9  | 40.0  | 74.4  |



#47  
Tetrachloroethene  
Concen: 0.481 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 3860  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 92.1    | 63.5  | 117.9 |
| 131 | 85.8    | 60.5  | 112.5 |
| 166 | 118.7   | 88.5  | 164.3 |

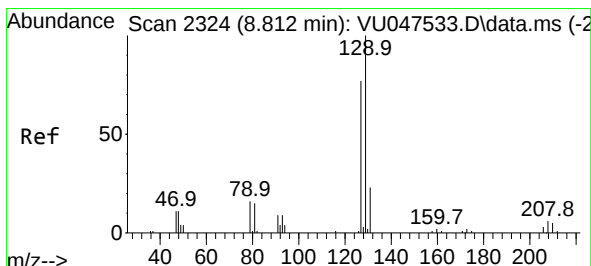
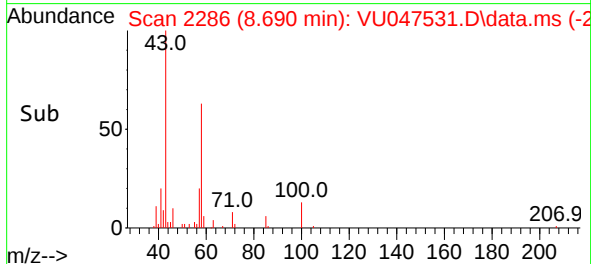
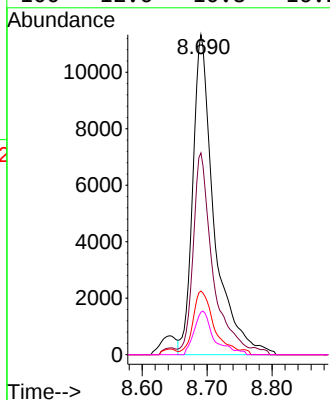
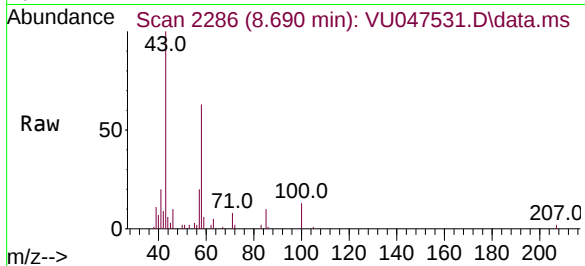




#48  
2-Hexanone  
Concen: 5.380 ug/L  
RT: 8.690 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

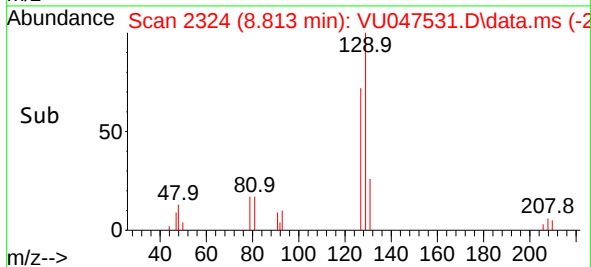
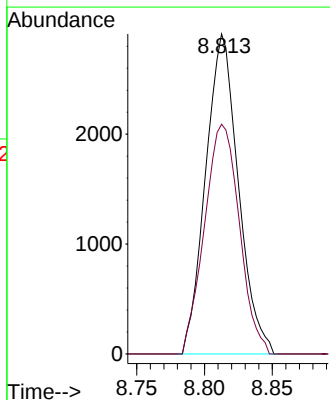
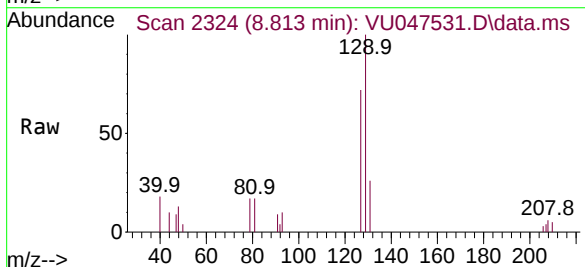
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

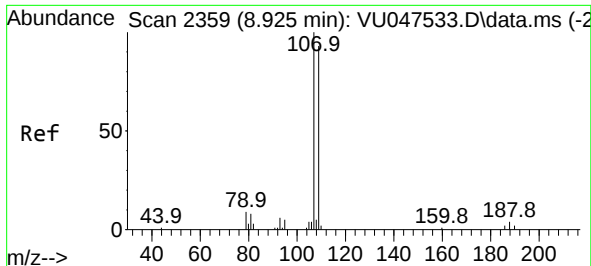
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 25965 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 54.6  | 47.5  | 71.3  |
| 57       | 18.0  | 16.0  | 24.0  |
| 100      | 12.6  | 10.8  | 16.2  |



#49  
Dibromochloromethane  
Concen: 0.509 ug/L  
RT: 8.813 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 4893  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 71.8  | 53.6  | 99.6  |





#50

1,2-Dibromoethane

Concen: 0.521 ug/L

RT: 8.928 min Scan# 2360

Delta R.T. 0.003 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5019

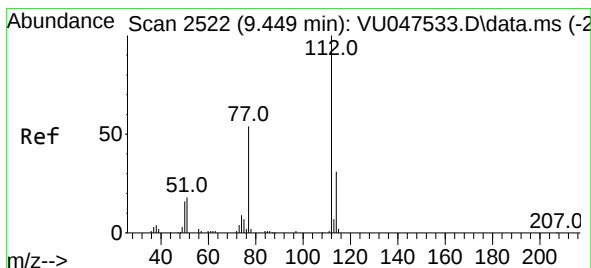
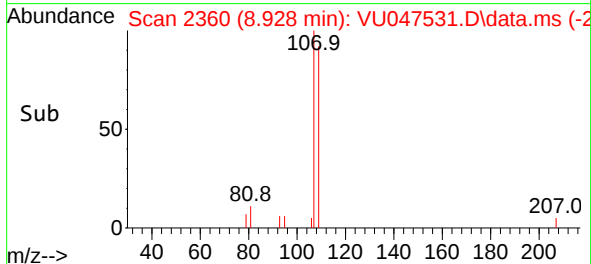
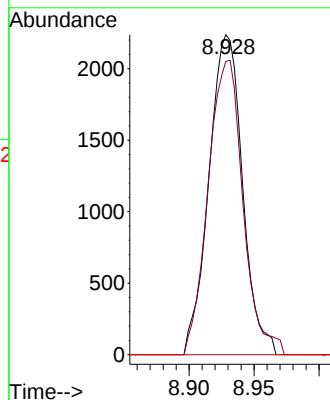
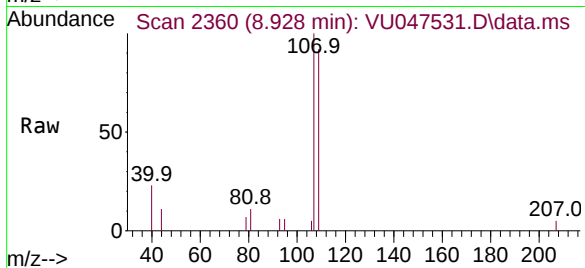
Tgt Ion:107 Resp: 4018

Ion Ratio Lower Upper

107 100

109 91.6 65.3 121.3

188 0.0 3.2 4.8#



#51

Chlorobenzene

Concen: 0.520 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047531.D

Acq: 14 Mar 2022 13:00

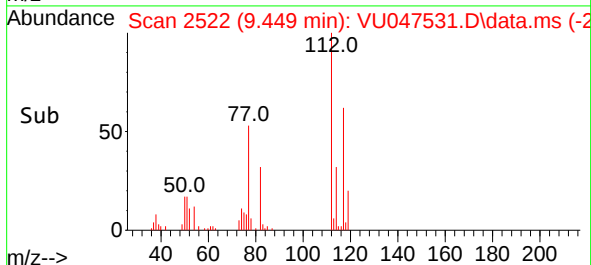
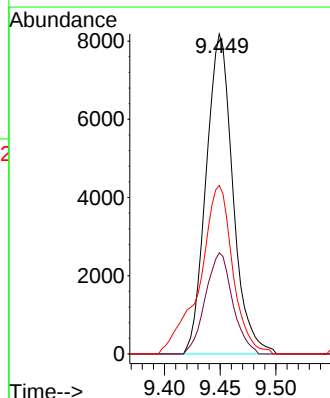
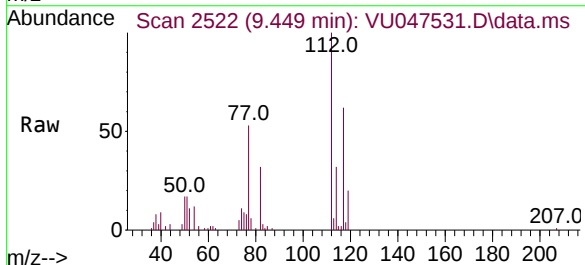
Tgt Ion:112 Resp: 13677

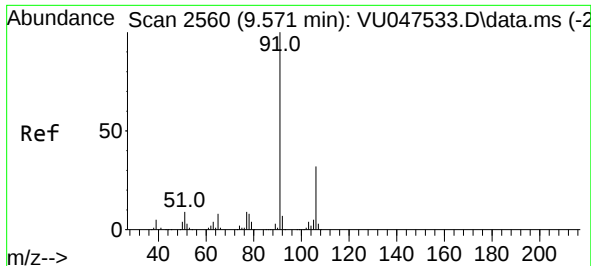
Ion Ratio Lower Upper

112 100

114 31.6 22.0 40.8

77 52.7 43.7 65.5

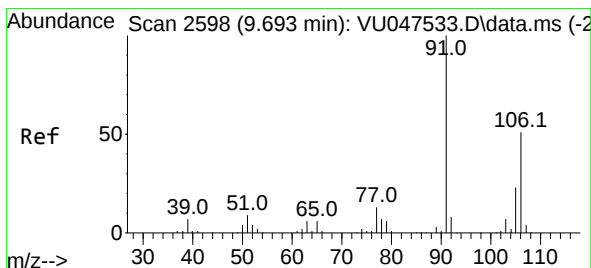
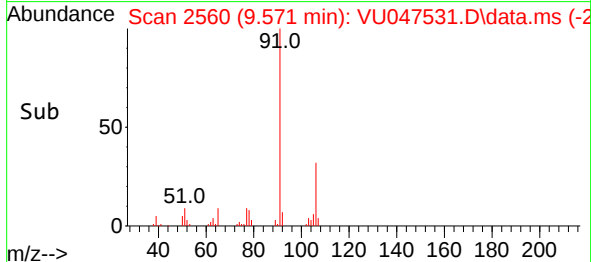
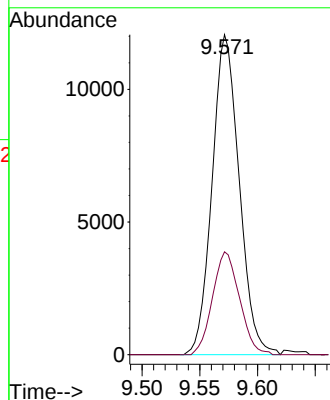
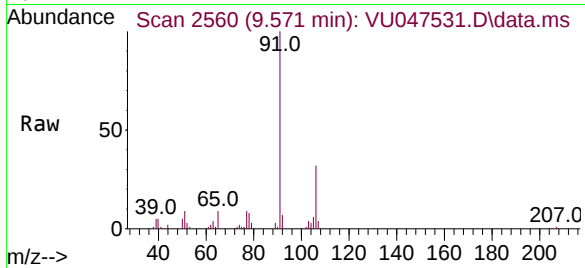




#52  
Ethylbenzene  
Concen: 0.483 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

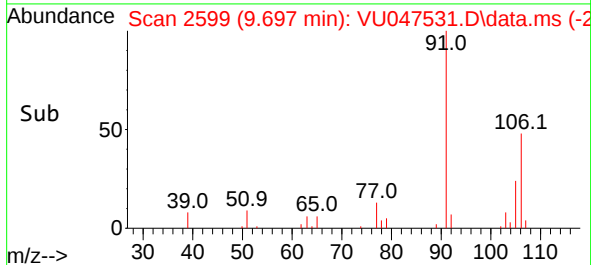
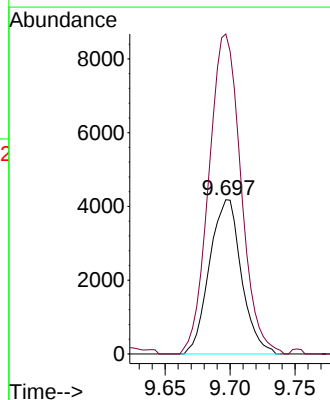
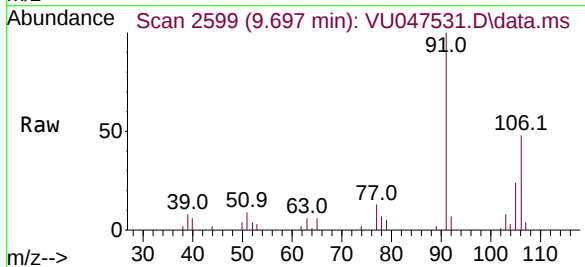
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

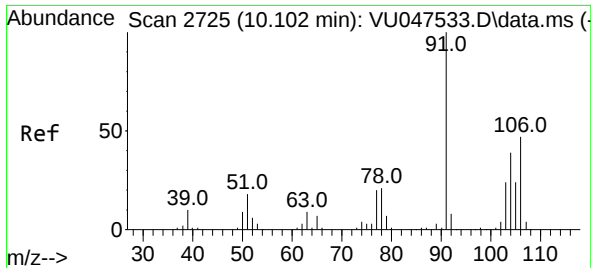
Tgt Ion: 91 Resp: 19679  
Ion Ratio Lower Upper  
91 100  
106 32.2 22.2 41.2



#53  
m,p-Xylene  
Concen: 0.453 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 106 Resp: 7139  
Ion Ratio Lower Upper  
106 100  
91 207.6 136.6 253.8

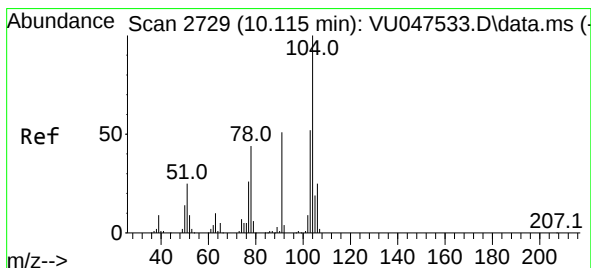
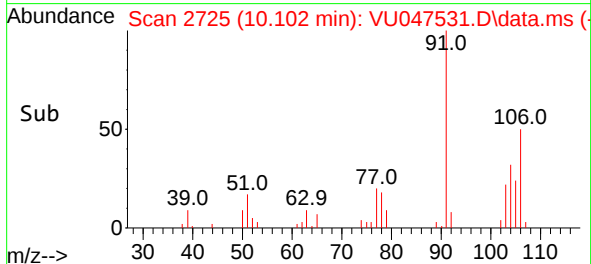
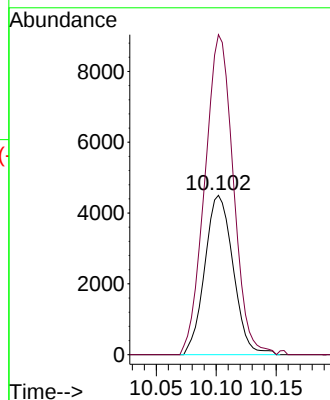
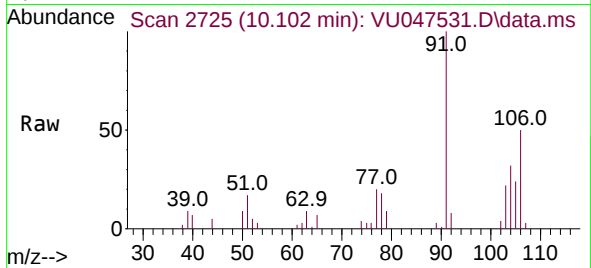




#54  
o-Xylene  
Concen: 0.476 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

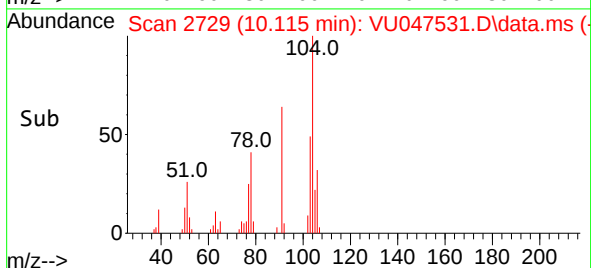
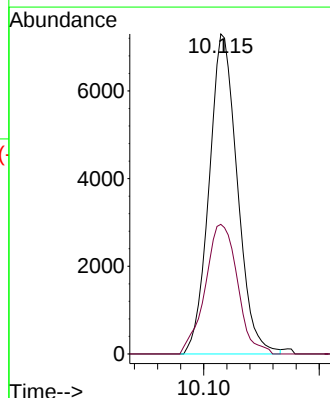
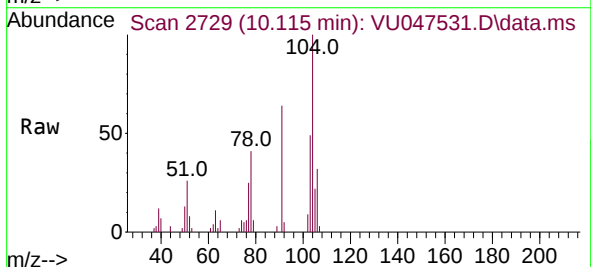
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

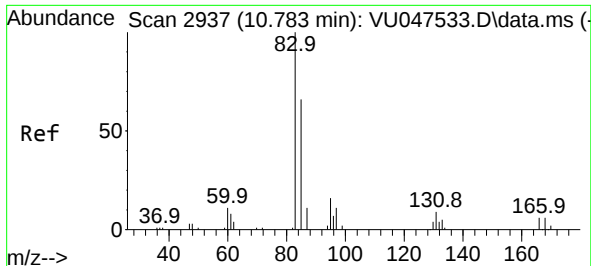
Tgt Ion:106 Resp: 7410  
Ion Ratio Lower Upper  
106 100  
91 200.7 148.5 275.9



#55  
Styrene  
Concen: 0.464 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion:104 Resp: 12404  
Ion Ratio Lower Upper  
104 100  
78 40.5 31.0 57.6

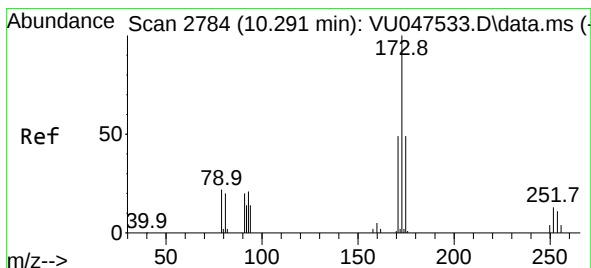
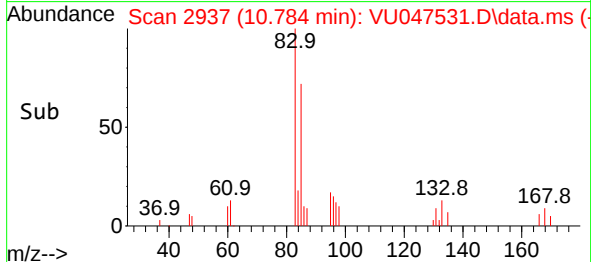
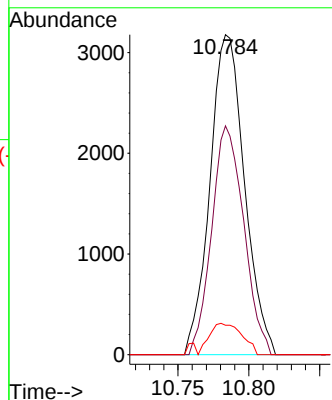
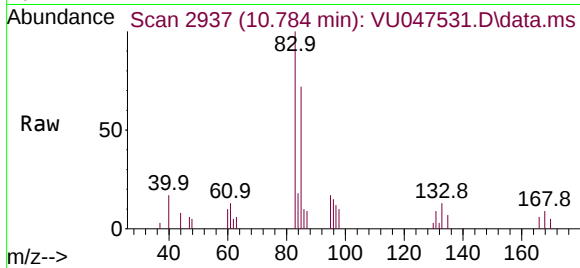




#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.516 ug/L  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

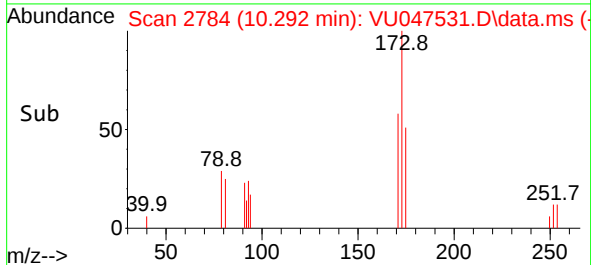
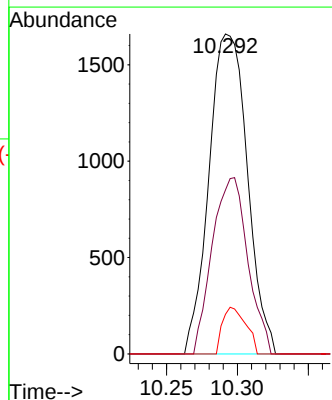
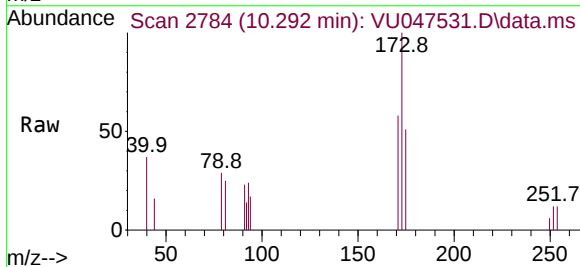
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MSVOA\_U  
ClientSampleId :  
VSTD0.5019

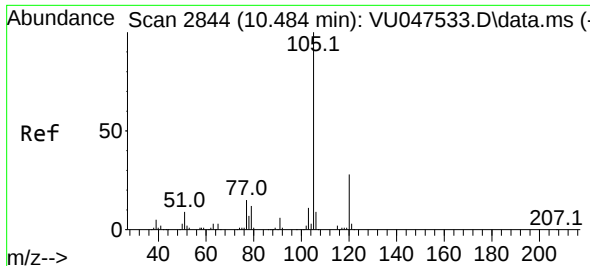
Tgt Ion: 83 Resp: 5394  
Ion Ratio Lower Upper  
83 100  
85 71.5 46.7 86.7  
131 9.2 8.0 12.0



#59  
Bromoform  
Concen: 0.529 ug/L  
RT: 10.292 min Scan# 2784  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion:173 Resp: 3130  
Ion Ratio Lower Upper  
173 100  
175 51.0 39.7 59.5  
254 8.9 9.0 13.6#

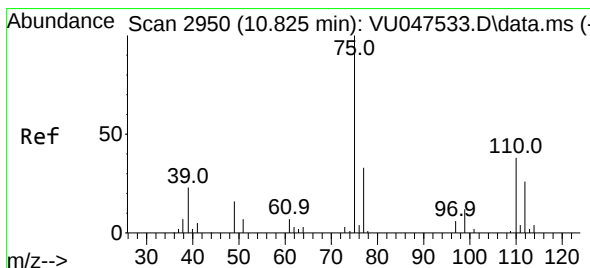
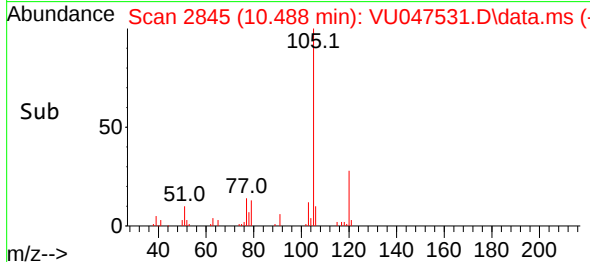
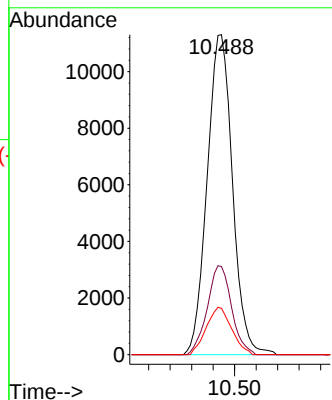
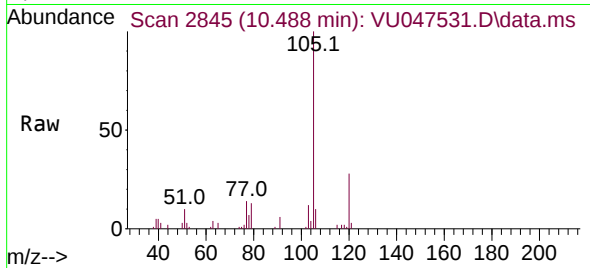




#60  
Isopropylbenzene  
Concen: 0.487 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

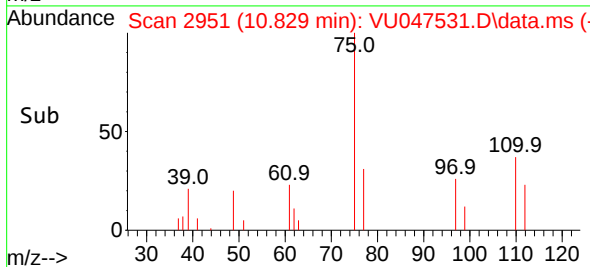
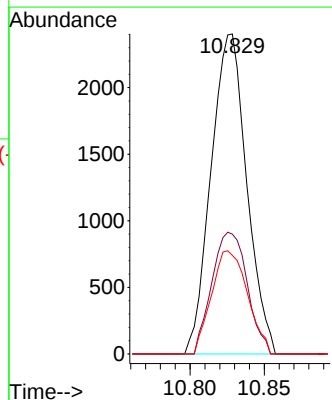
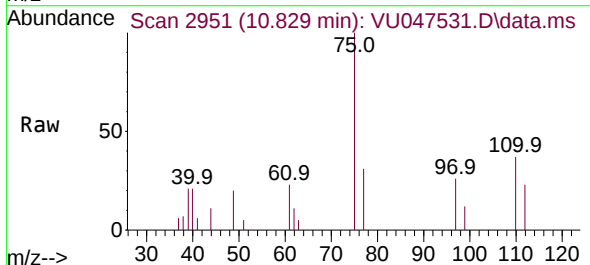
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

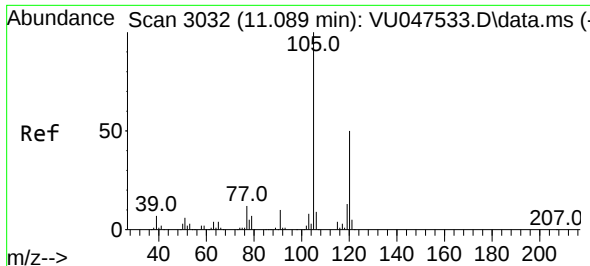
Tgt Ion:105 Resp: 18480  
Ion Ratio Lower Upper  
105 100  
120 26.7 22.2 33.4  
77 14.8 12.2 18.4



#61  
1,2,3-Trichloropropane  
Concen: 0.570 ug/L  
RT: 10.829 min Scan# 2951  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 75 Resp: 4014  
Ion Ratio Lower Upper  
75 100  
110 37.7 30.2 45.4  
77 32.5 26.6 39.8

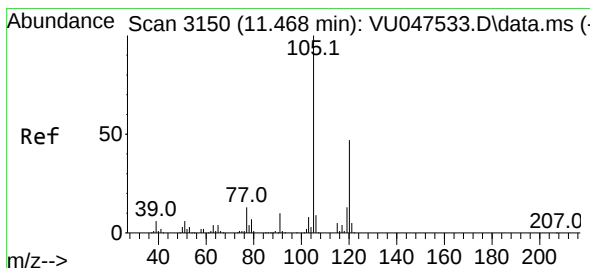
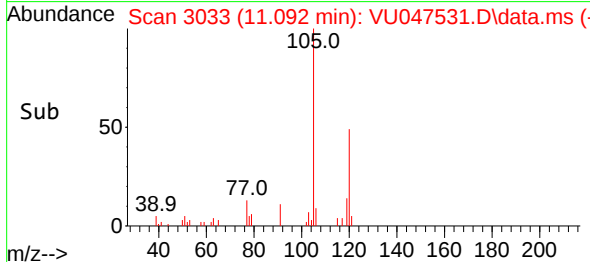
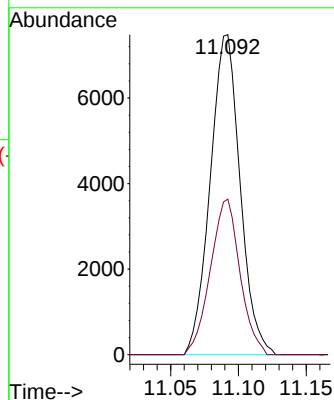
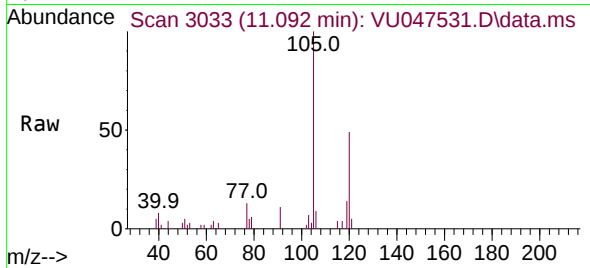




#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.474 ug/L  
 RT: 11.092 min Scan# 3033  
 Delta R.T. 0.003 min  
 Lab File: VU047531.D  
 Acq: 14 Mar 2022 13:00

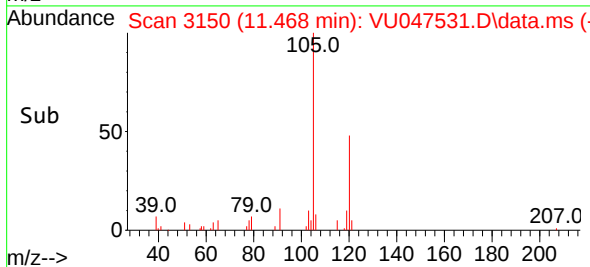
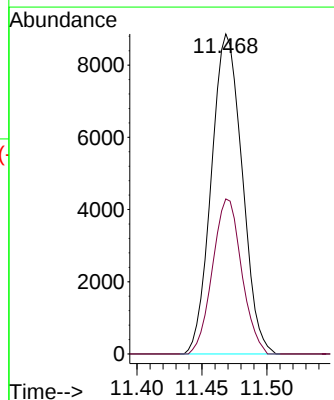
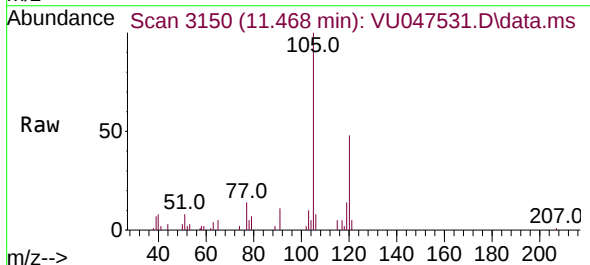
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5019

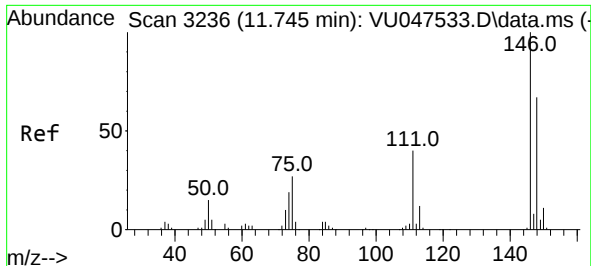
Tgt Ion:105 Resp: 11476  
 Ion Ratio Lower Upper  
 105 100  
 120 48.1 40.2 60.4



#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.464 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. 0.000 min  
 Lab File: VU047531.D  
 Acq: 14 Mar 2022 13:00

Tgt Ion:105 Resp: 14591  
 Ion Ratio Lower Upper  
 105 100  
 120 45.7 38.2 57.4

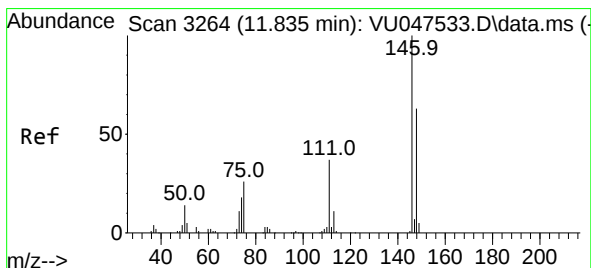
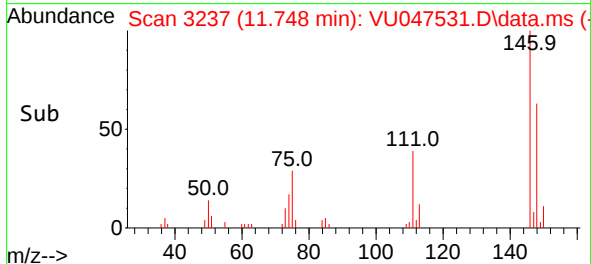
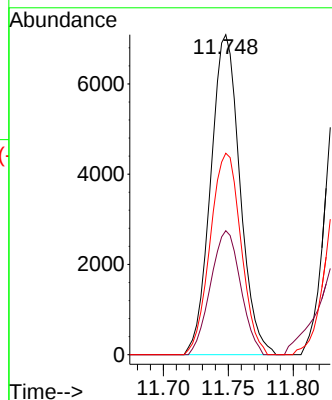
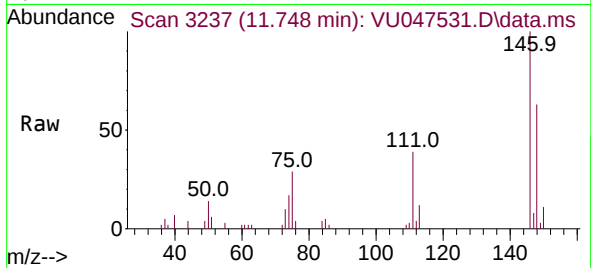




#64  
1,3-Dichlorobenzene  
Concen: 0.525 ug/L  
RT: 11.748 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

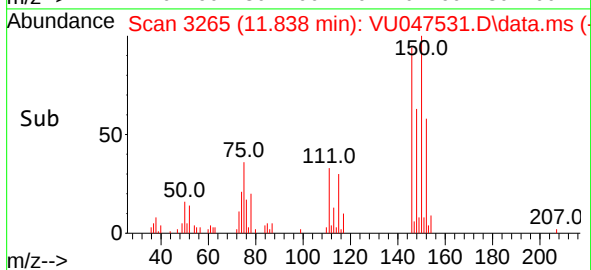
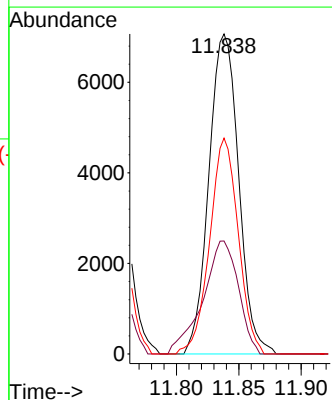
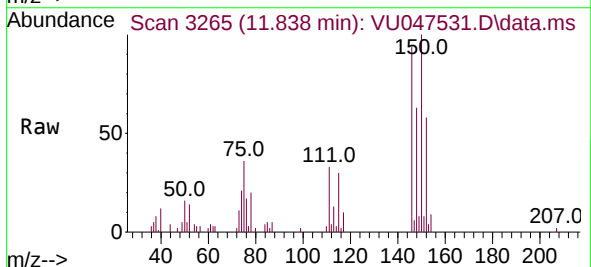
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

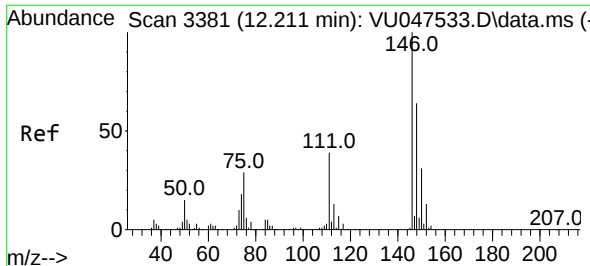
Tgt Ion:146 Resp: 11098  
Ion Ratio Lower Upper  
146 100  
111 38.8 27.7 51.5  
148 62.9 46.5 86.5



#65  
1,4-Dichlorobenzene  
Concen: 0.544 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion:146 Resp: 11750  
Ion Ratio Lower Upper  
146 100  
111 35.3 26.2 48.8  
148 67.4 44.3 82.3

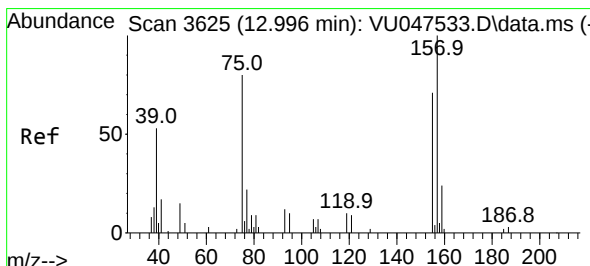
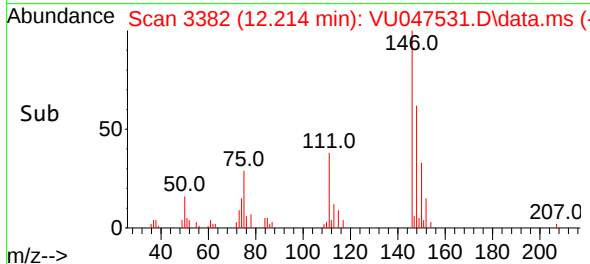
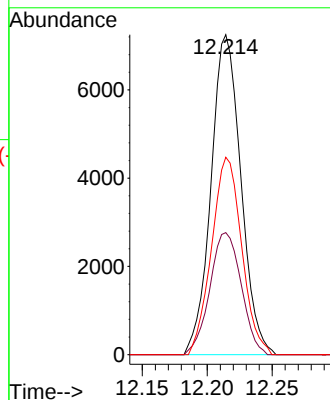
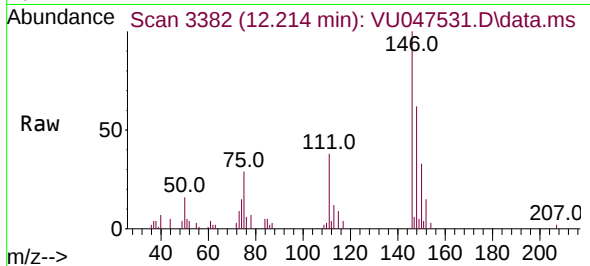




#67  
1,2-Dichlorobenzene  
Concen: 0.555 ug/L  
RT: 12.214 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

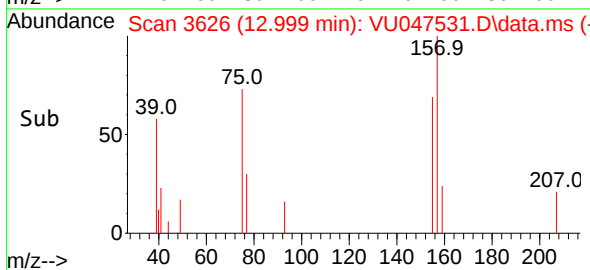
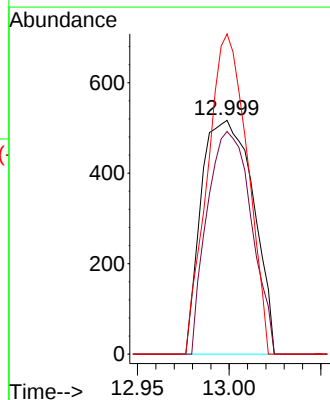
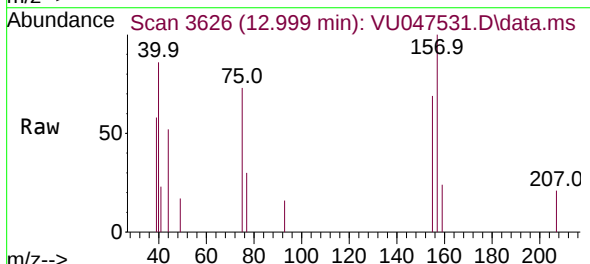
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

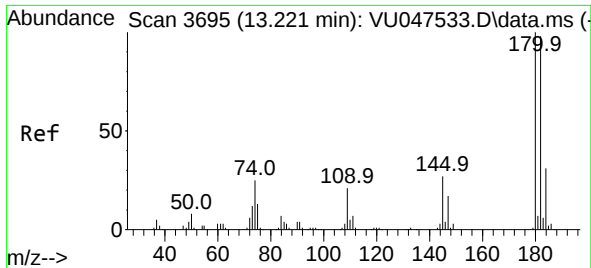
Tgt Ion:146 Resp: 11597  
Ion Ratio Lower Upper  
146 100  
111 38.2 31.4 47.0  
148 61.7 50.9 76.3



#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.600 ug/L  
RT: 12.999 min Scan# 3626  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion: 75 Resp: 1014  
Ion Ratio Lower Upper  
75 100  
155 95.2 70.8 106.2  
157 136.9 99.4 149.2

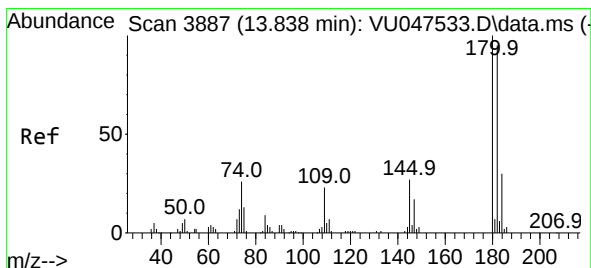
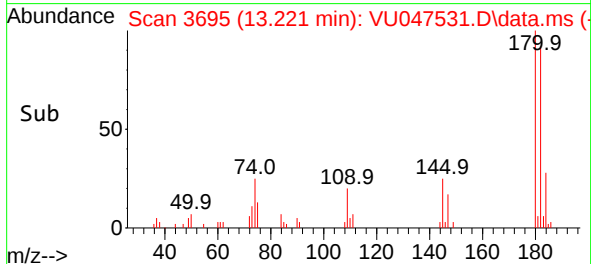
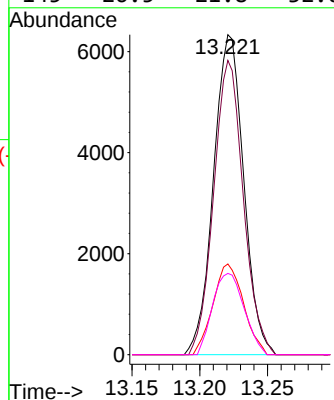
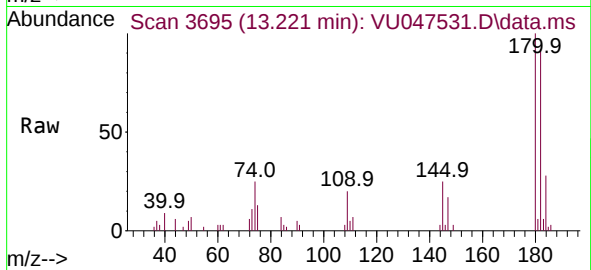




#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.548 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.000 min  
 Lab File: VU047531.D  
 Acq: 14 Mar 2022 13:00

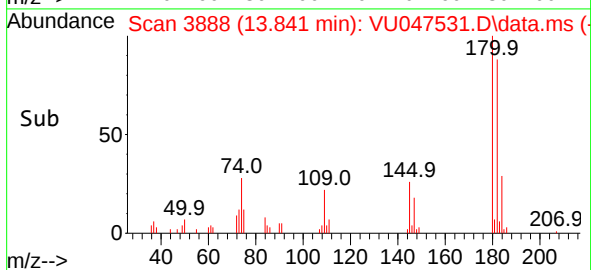
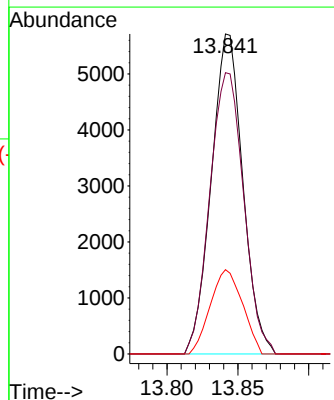
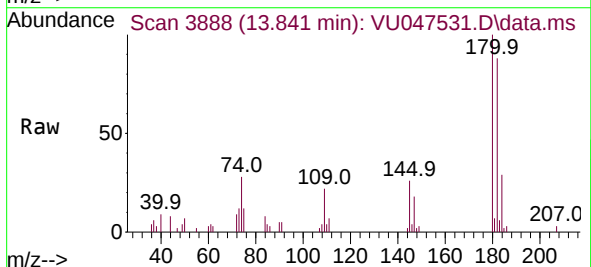
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5019

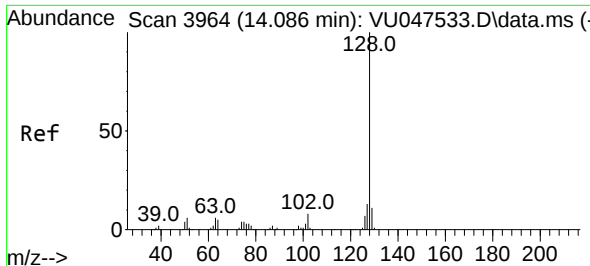
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 9802  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 90.3  | 77.3  | 115.9 |
| 184       | 28.7  | 24.3  | 36.5  |
| 145       | 26.5  | 21.8  | 32.6  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 0.562 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.003 min  
 Lab File: VU047531.D  
 Acq: 14 Mar 2022 13:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 8832  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.2  | 76.6  | 114.8 |
| 145       | 26.9  | 22.5  | 33.7  |

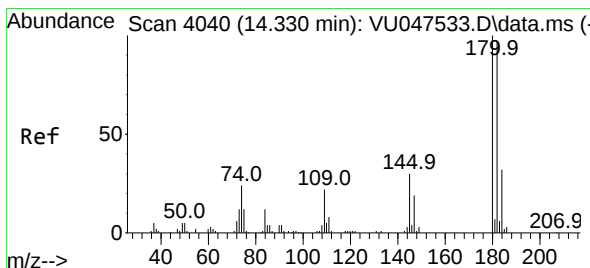
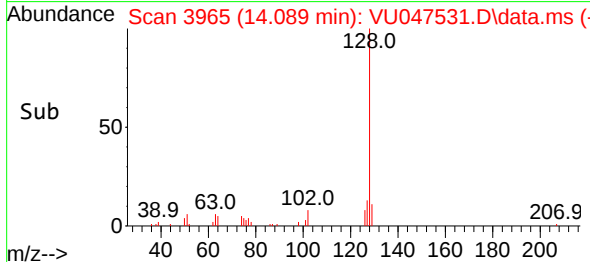
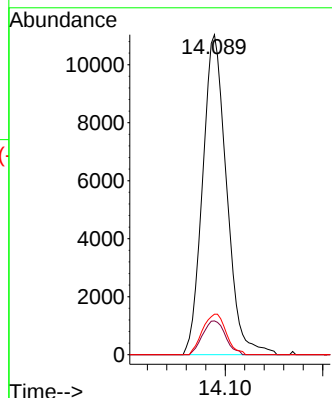
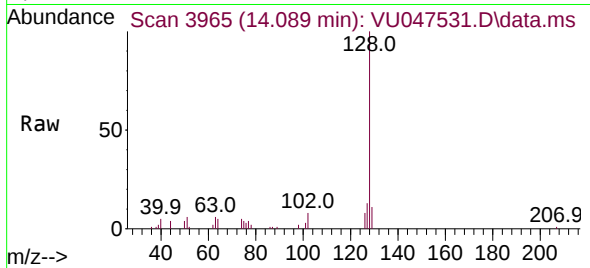




#71  
Naphthalene  
Concen: 0.647 ug/L  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5019

Tgt Ion:128 Resp: 18879  
Ion Ratio Lower Upper  
128 100  
129 10.0 8.7 13.1  
127 12.5 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 0.613 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU047531.D  
Acq: 14 Mar 2022 13:00

Tgt Ion:180 Resp: 9247  
Ion Ratio Lower Upper  
180 100  
182 94.6 77.8 116.8  
145 27.4 23.7 35.5

