

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
 Data File : VU047427.D  
 Acq On : 10 Mar 2022 00:14  
 Operator : SY/MD  
 Sample : N1861-07MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YATM0MS

Quant Time: Mar 10 01:09:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:51:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 168644   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 160224   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 89675    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 44138    | 4.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.600%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 32418    | 4.828    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 96.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 19420    | 4.807    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.200%  |
| 20) 2-Butanone-d5             | 4.646  | 46    | 87210    | 53.554   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.100% |
| 24) Chloroform-d              | 5.070  | 84    | 73056    | 5.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.200% |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65    | 36391    | 4.932    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 32) Benzene-d6                | 5.732  | 84    | 148283   | 4.920    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 44635    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.200% |
| 41) Toluene-d8                | 7.899  | 98    | 144833   | 4.889    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.800%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 18962    | 5.009    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 100.200% |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 87296    | 52.350   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 38982    | 5.017    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 56438    | 4.964    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 64934    | 5.143    | ug/L   | 99       |
| 3) Chloromethane              | 1.523  | 50    | 65607    | 5.203    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.607  | 62    | 64072    | 5.166    | ug/L   | 98       |
| 6) Bromomethane               | 1.864  | 94    | 34979    | 4.946    | ug/L   | 100      |
| 8) Chloroethane               | 1.941  | 64    | 37830    | 5.022    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 84641    | 5.180    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 52810    | 5.234    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.585  | 96    | 54065    | 5.460    | ug/L   | 93       |
| 13) Acetone                   | 2.658  | 43    | 136543   | 91.260   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.800  | 76    | 153790   | 5.060    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.964  | 43    | 18295    | 4.627    | ug/L   | 95       |
| 16) Methylene chloride        | 3.054  | 84    | 55926    | 4.732    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 134010   | 5.248    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 54491    | 5.140    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 95583    | 5.302    | ug/L   | 99       |
| 21) 2-Butanone                | 4.723  | 43    | 149073   | 55.327   | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 60294    | 5.133    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.980  | 128   | 29418    | 5.242    | ug/L   | 97       |
| 25) Chloroform                | 5.092  | 83    | 108581   | 5.562    | ug/L   | 98       |

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:51:00 2022  
 Response via : Initial Calibration

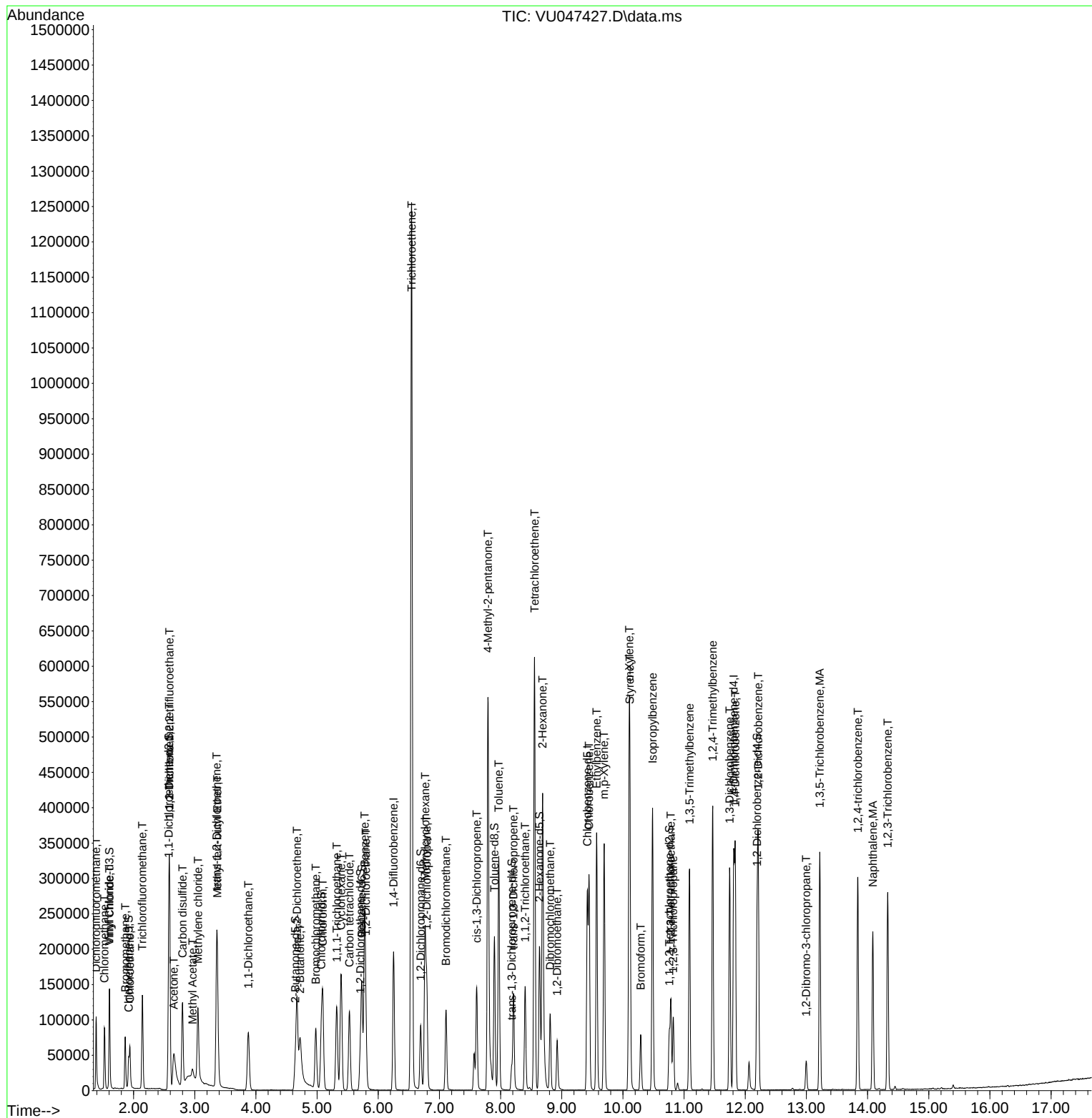
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 64974    | 5.170  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 87153    | 5.265  | ug/L  | 98       |
| 30) Cyclohexane               | 5.395  | 56   | 84949    | 5.327  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 76161    | 5.238  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 223671   | 5.169  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 422697   | 36.542 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.768  | 83   | 94414    | 5.174  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 57233    | 5.311  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 74111    | 5.180  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 85497    | 5.233  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 393454   | 53.557 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 245586   | 5.224  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 76098    | 5.164  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 46021    | 5.211  | ug/L  | 94       |
| 47) Tetrachloroethene         | 8.555  | 164  | 141051   | 14.374 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 289853   | 54.383 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.813  | 129  | 56423    | 5.259  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 46680    | 5.194  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.446  | 112  | 163411   | 5.196  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 261346   | 5.133  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.694  | 106  | 101926   | 5.104  | ug/L  | 98       |
| 54) o-Xylene                  | 10.102 | 106  | 100700   | 5.204  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 169667   | 5.187  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 62257    | 5.266  | ug/L  | 99       |
| 59) Bromoform                 | 10.292 | 173  | 35772    | 5.298  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.485 | 105  | 261936   | 5.221  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 44338    | 5.338  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 170862   | 5.192  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 220238   | 5.159  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 133946   | 5.037  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 136349   | 5.049  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 131240   | 5.136  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 9789     | 5.227  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.218 | 180  | 112034   | 5.136  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 98085    | 5.045  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 180615   | 5.194  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 91431    | 5.129  | ug/L  | 100      |

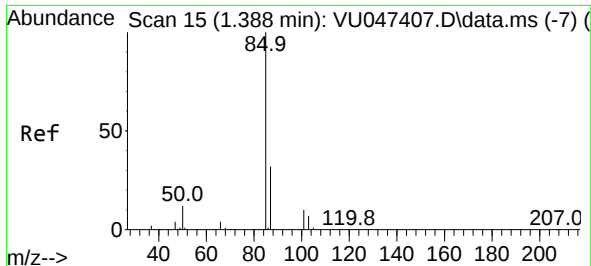
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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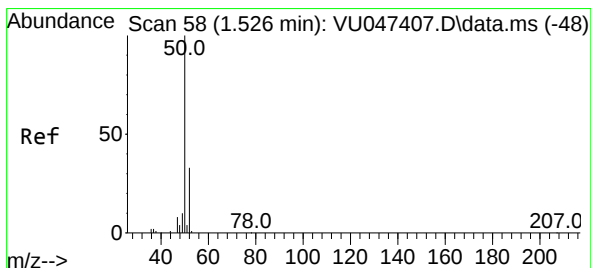
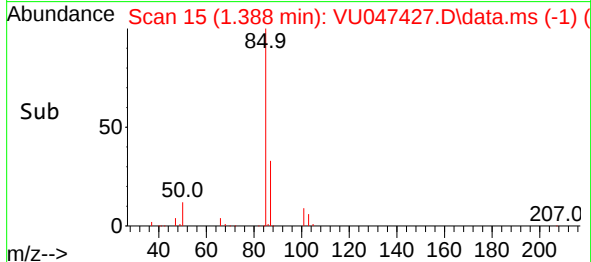
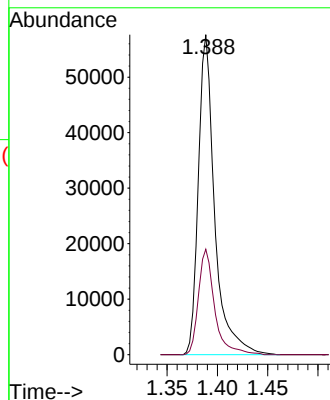
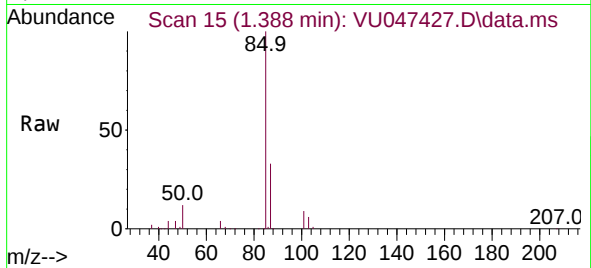




#2  
Dichlorodifluoromethane  
Concen: 5.143 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

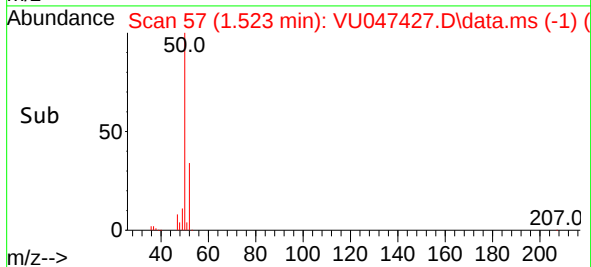
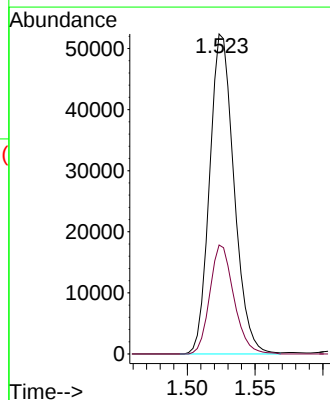
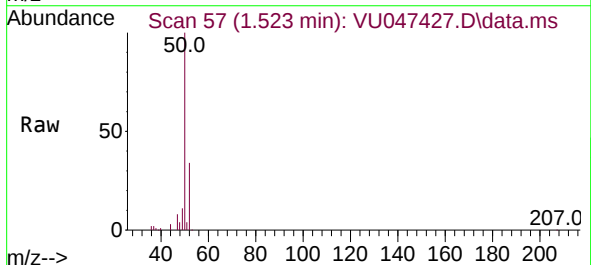
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

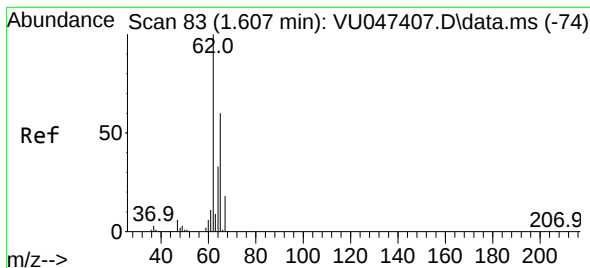
Tgt Ion: 85 Resp: 64934  
Ion Ratio Lower Upper  
85 100  
87 32.8 25.6 38.4



#3  
Chloromethane  
Concen: 5.203 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.003 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 50 Resp: 65607  
Ion Ratio Lower Upper  
50 100  
52 34.1 22.5 41.9





#5

Vinyl chloride

Concen: 5.166 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

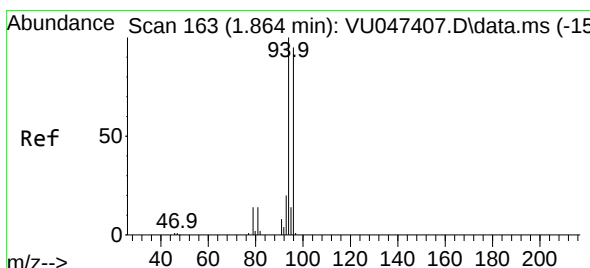
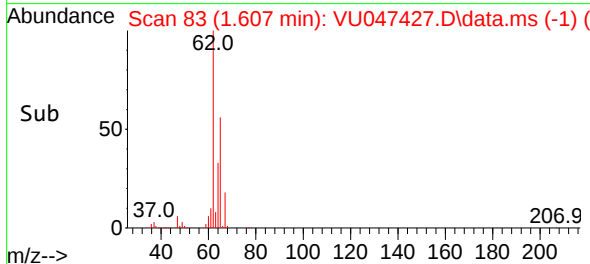
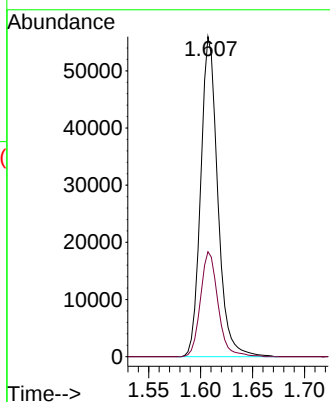
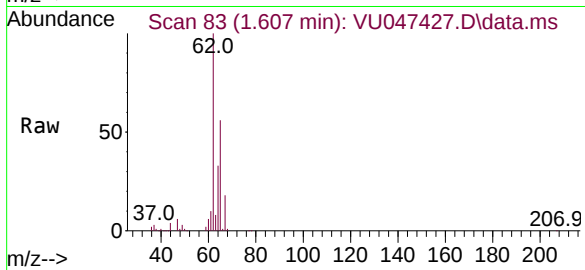
YATM0MS

Tgt Ion: 62 Resp: 64072

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



#6

Bromomethane

Concen: 4.946 ug/L

RT: 1.864 min Scan# 163

Delta R.T. 0.000 min

Lab File: VU047427.D

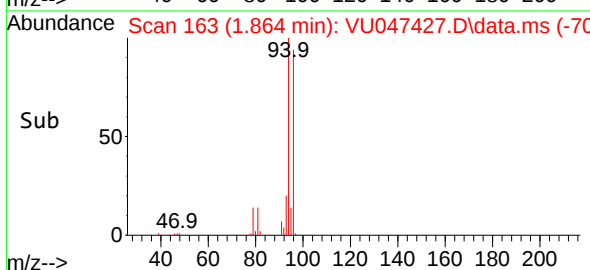
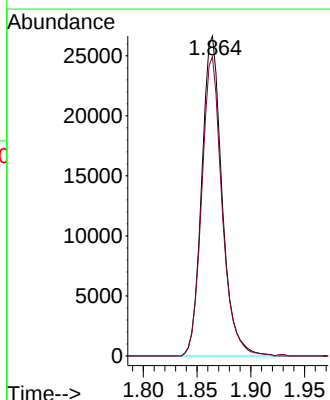
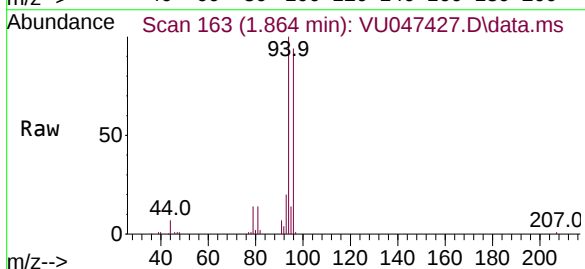
Acq: 10 Mar 2022 00:14

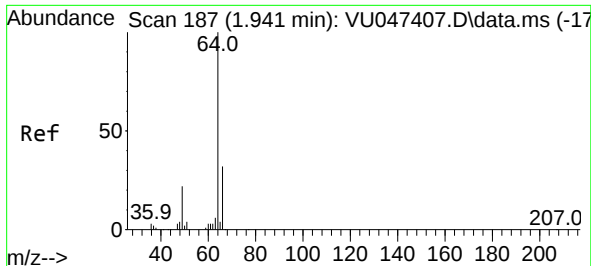
Tgt Ion: 94 Resp: 34979

Ion Ratio Lower Upper

94 100

96 93.5 65.6 121.8

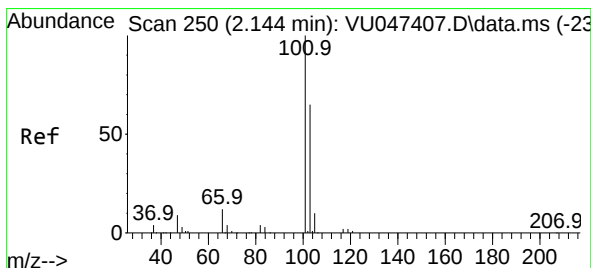
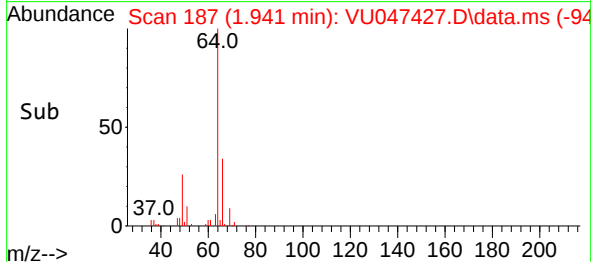
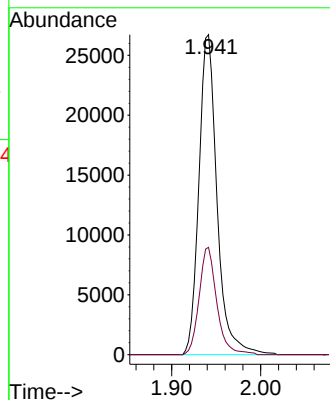
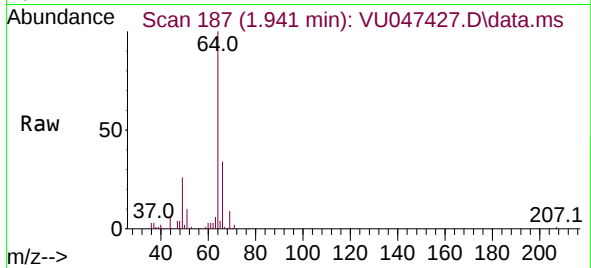




#8  
Chloroethane  
Concen: 5.022 ug/L  
RT: 1.941 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

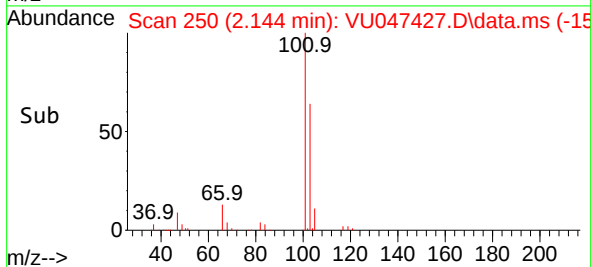
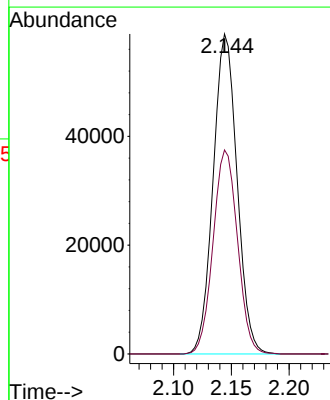
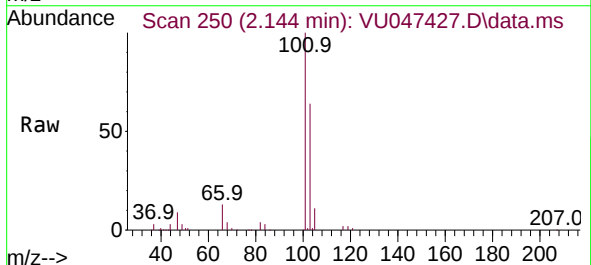
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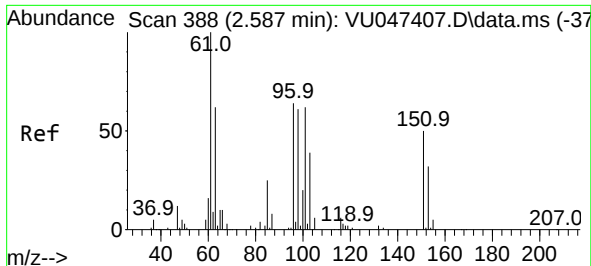
Tgt Ion: 64 Resp: 37830  
Ion Ratio Lower Upper  
64 100  
66 33.6 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 5.180 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 101 Resp: 84641  
Ion Ratio Lower Upper  
101 100  
103 65.0 51.8 77.8

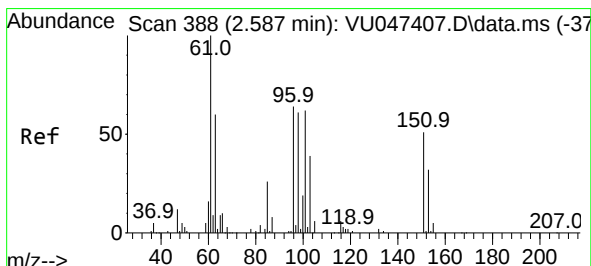
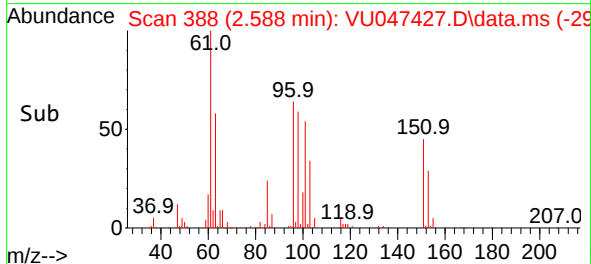
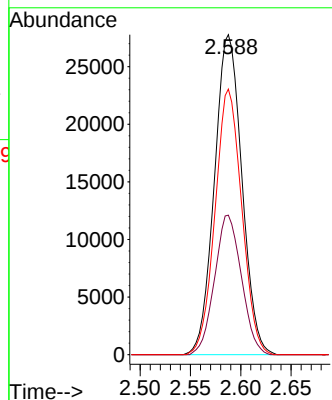
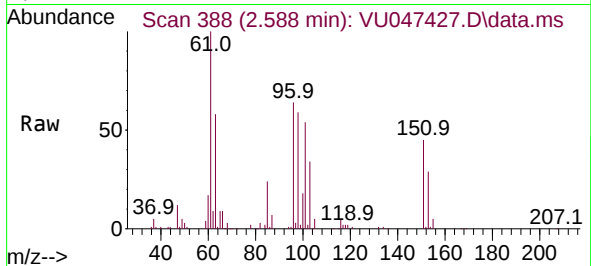




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.234 ug/L  
RT: 2.588 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

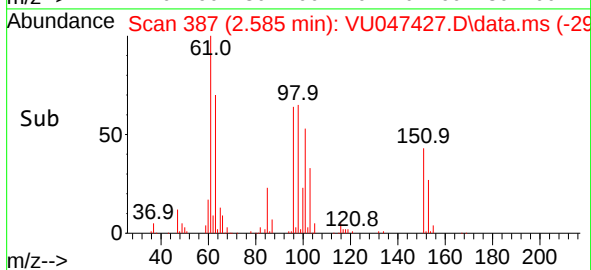
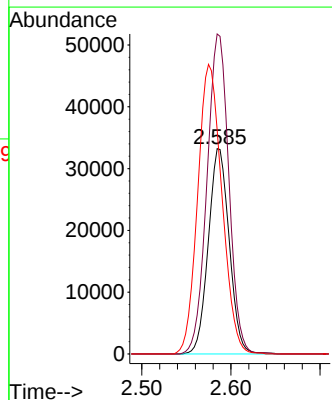
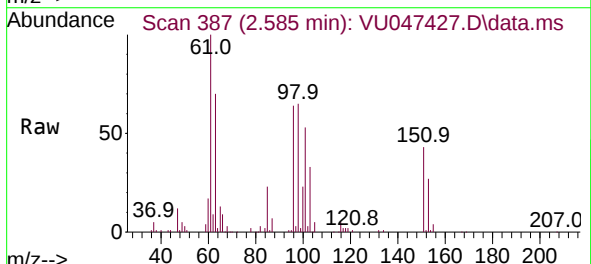
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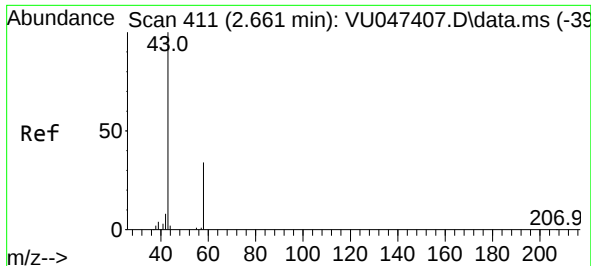
Tgt Ion:101 Resp: 52810  
Ion Ratio Lower Upper  
101 100  
85 42.5 33.8 50.6  
151 80.7 64.8 97.2



#12  
1,1-Dichloroethene  
Concen: 5.460 ug/L  
RT: 2.585 min Scan# 387  
Delta R.T. -0.003 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 96 Resp: 54065  
Ion Ratio Lower Upper  
96 100  
61 155.9 108.8 202.0  
63 109.1 64.0 119.0





#13

Acetone

Concen: 91.260 ug/L

RT: 2.658 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

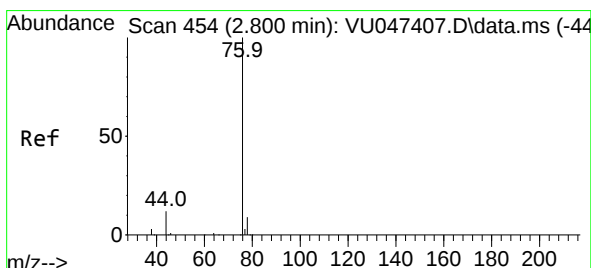
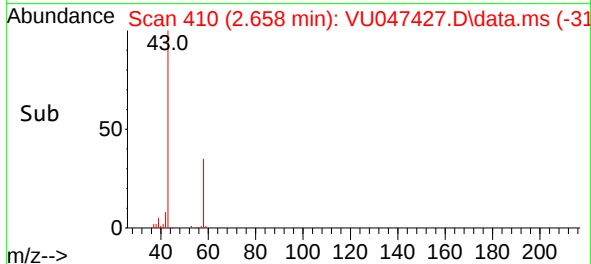
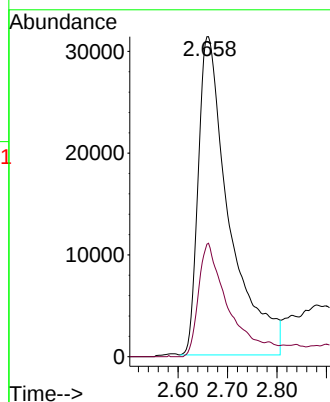
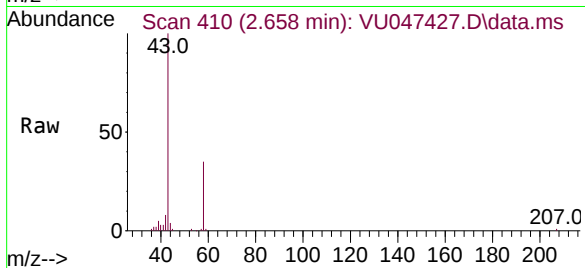
YATM0MS

Tgt Ion: 43 Resp: 136543

Ion Ratio Lower Upper

43 100

58 33.1 0.0 72.6



#14

Carbon disulfide

Concen: 5.060 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047427.D

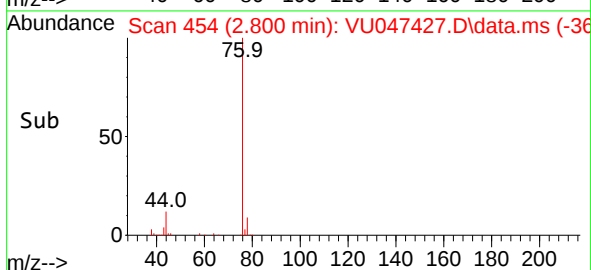
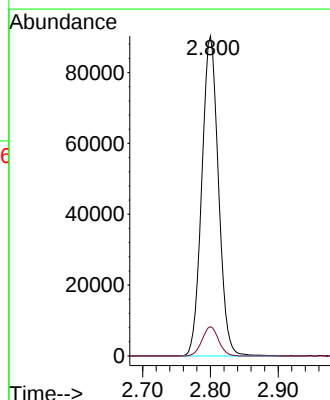
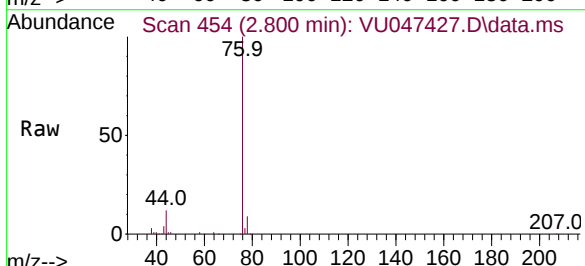
Acq: 10 Mar 2022 00:14

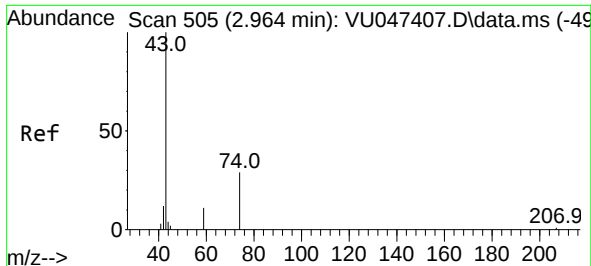
Tgt Ion: 76 Resp: 153790

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

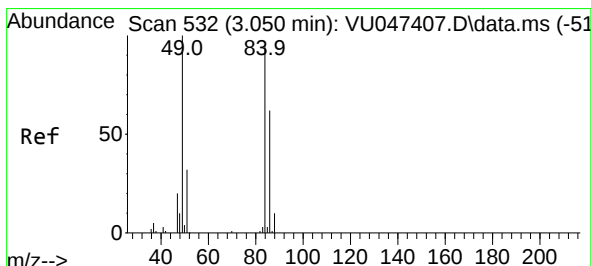
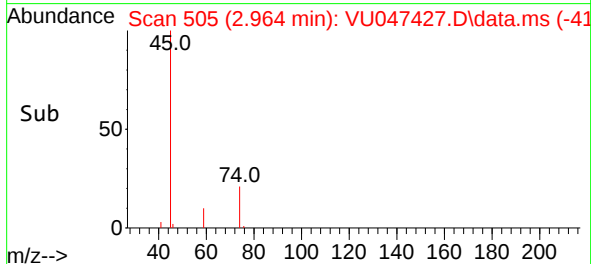
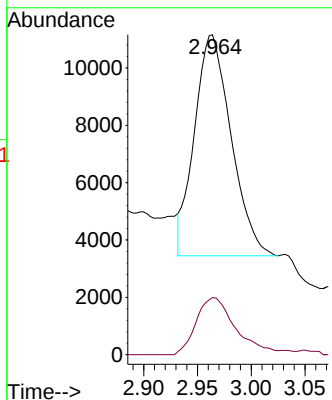
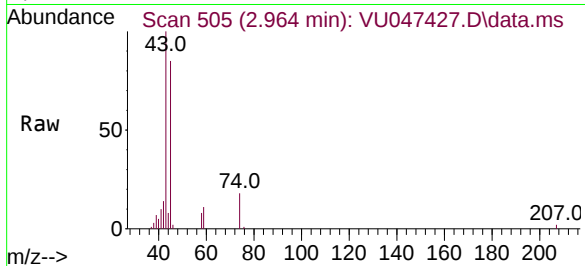




#15  
Methyl Acetate  
Concen: 4.627 ug/L  
RT: 2.964 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

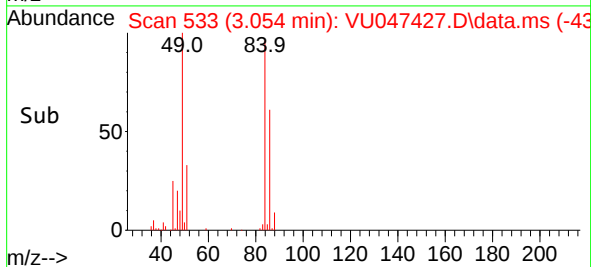
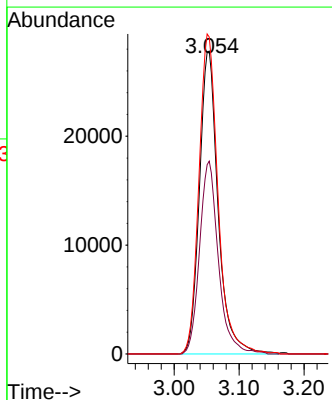
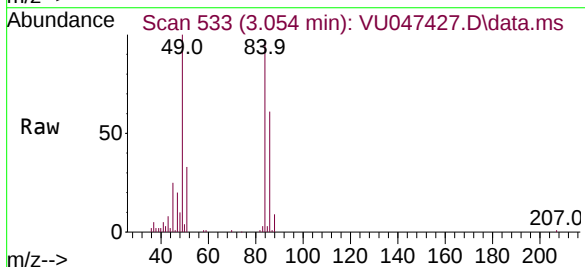
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

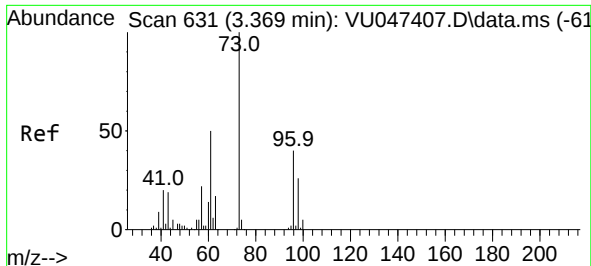
Tgt Ion: 43 Resp: 18295  
Ion Ratio Lower Upper  
43 100  
74 27.7 20.2 30.2



#16  
Methylene chloride  
Concen: 4.732 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. 0.003 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 84 Resp: 55926  
Ion Ratio Lower Upper  
84 100  
86 63.7 45.9 85.3  
49 104.7 76.4 141.8

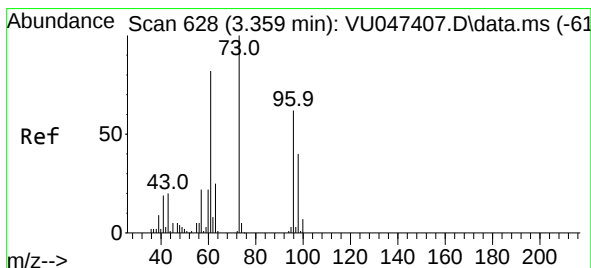
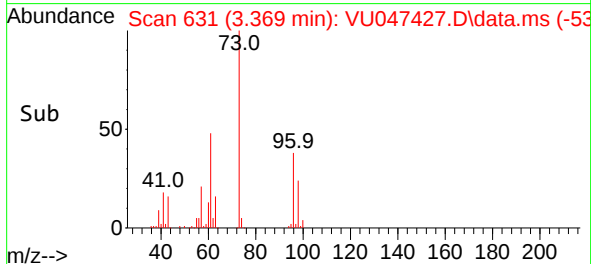
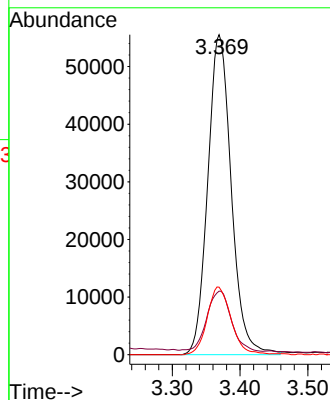
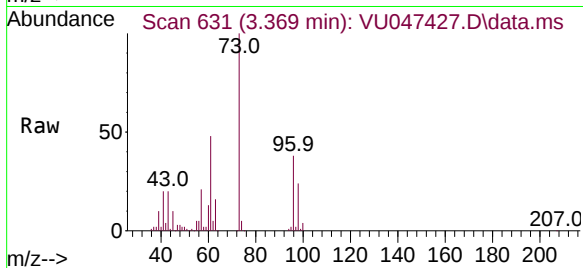




#17  
Methyl tert-butyl Ether  
Concen: 5.248 ug/L  
RT: 3.369 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

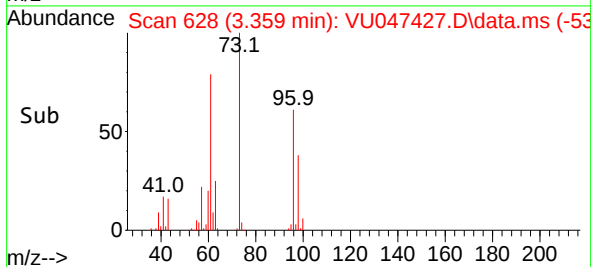
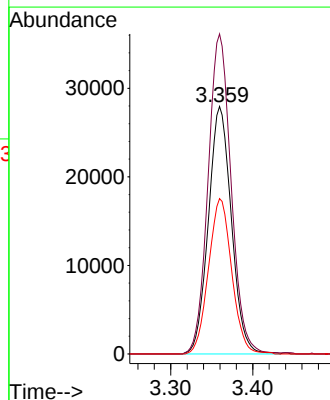
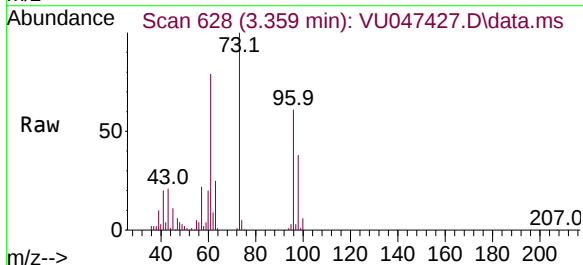
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

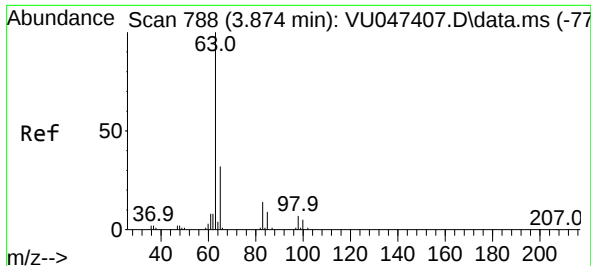
Tgt Ion: 73 Resp: 134010  
Ion Ratio Lower Upper  
73 100  
43 19.5 14.6 22.0  
57 21.5 16.5 24.7



#18  
trans-1,2-Dichloroethene  
Concen: 5.140 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 96 Resp: 54491  
Ion Ratio Lower Upper  
96 100  
61 129.3 90.4 167.8  
98 62.8 45.0 83.6





#19

1,1-Dichloroethane

Concen: 5.302 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.004 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

YATM0MS

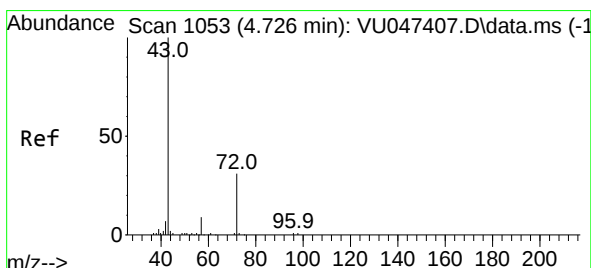
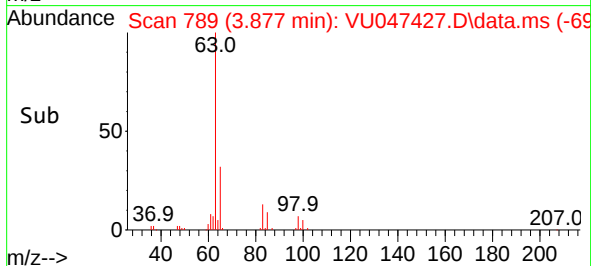
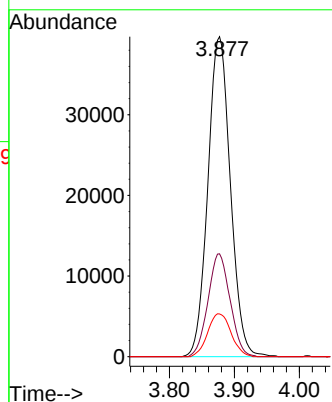
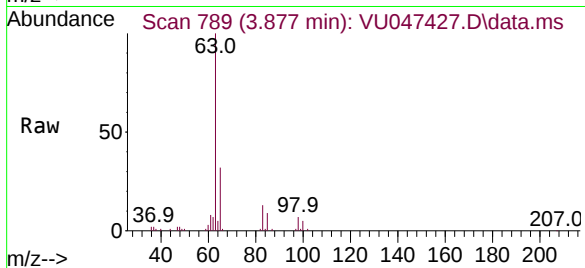
Tgt Ion: 63 Resp: 95583

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.4 9.9 18.3



#21

2-Butanone

Concen: 55.327 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VU047427.D

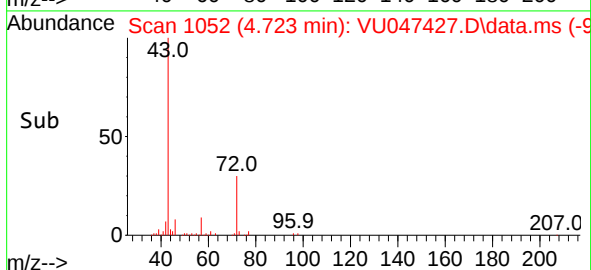
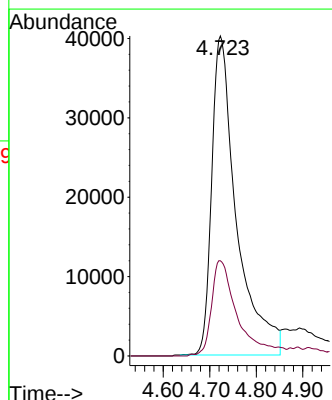
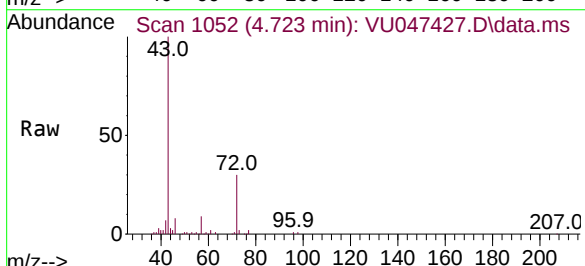
Acq: 10 Mar 2022 00:14

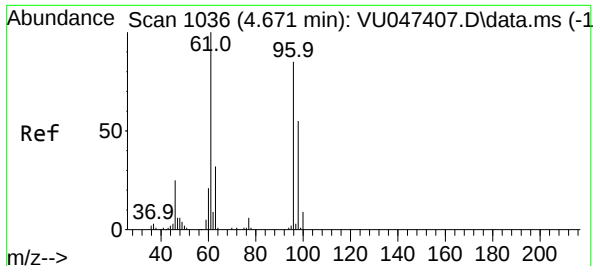
Tgt Ion: 43 Resp: 149073

Ion Ratio Lower Upper

43 100

72 29.2 14.7 44.1





#22

cis-1,2-Dichloroethene

Concen: 5.133 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

YATM0MS

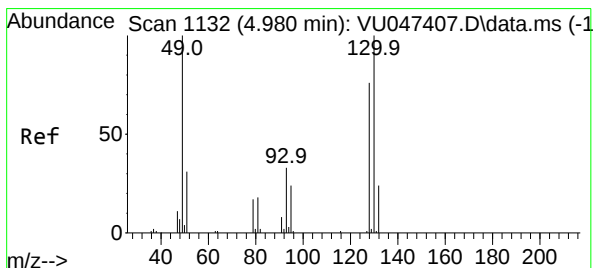
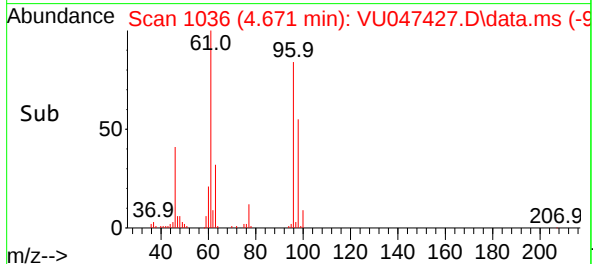
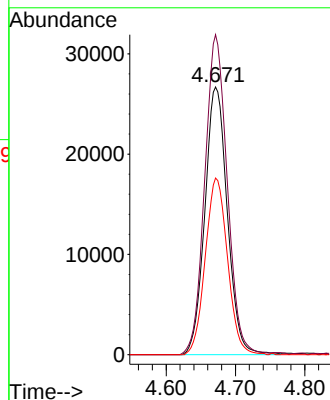
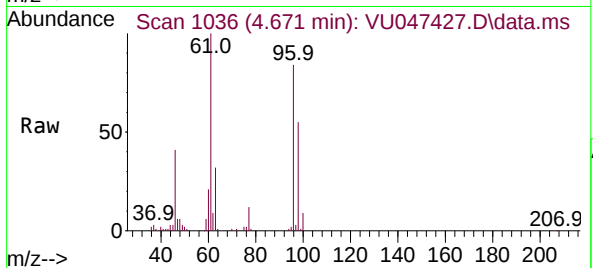
Tgt Ion: 96 Resp: 60294

Ion Ratio Lower Upper

96 100

61 119.6 80.8 150.0

98 66.0 44.7 83.1



#23

Bromochloromethane

Concen: 5.242 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Tgt Ion: 128 Resp: 29418

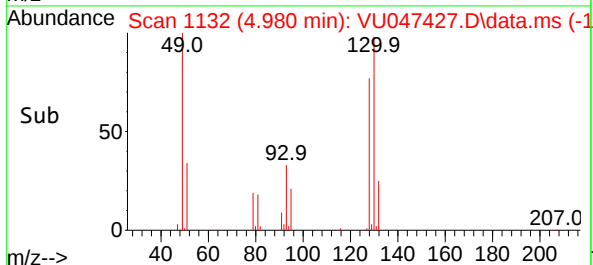
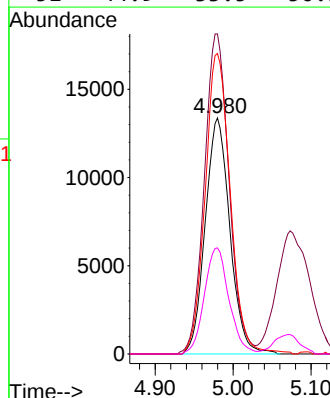
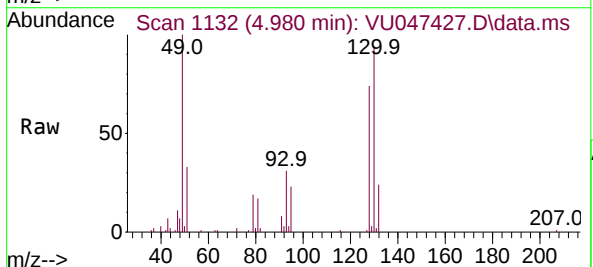
Ion Ratio Lower Upper

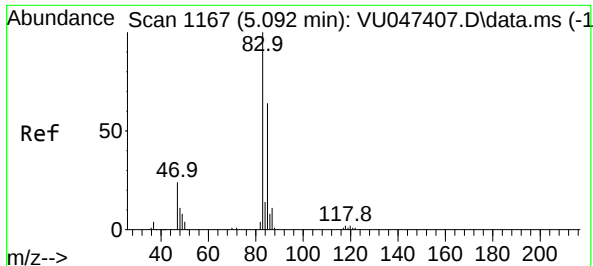
128 100

49 135.6 91.6 170.2

130 127.3 89.6 166.4

51 44.9 33.5 50.3





#25

Chloroform

Concen: 5.562 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

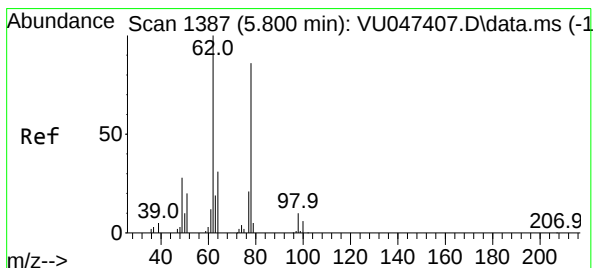
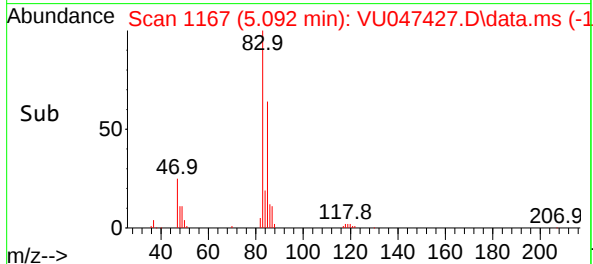
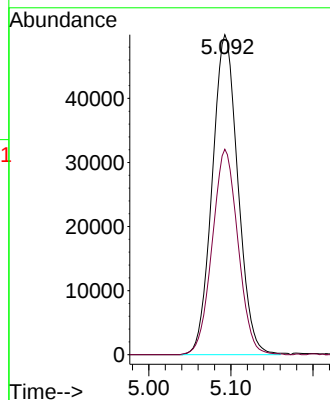
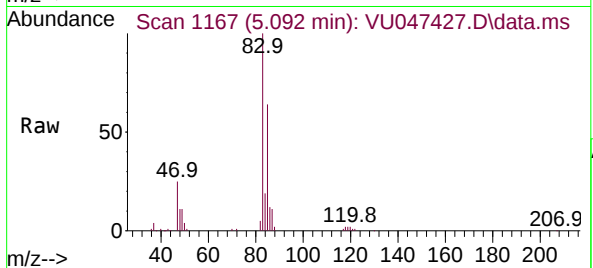
YATM0MS

Tgt Ion: 83 Resp: 108581

Ion Ratio Lower Upper

83 100

85 64.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 5.170 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU047427.D

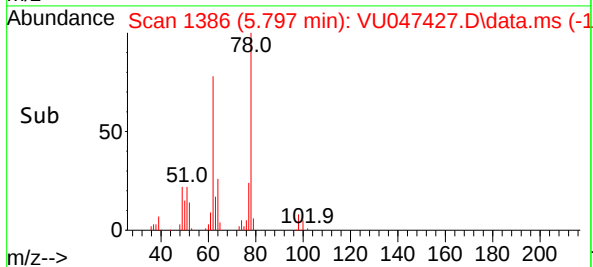
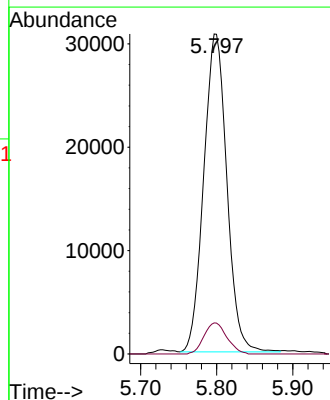
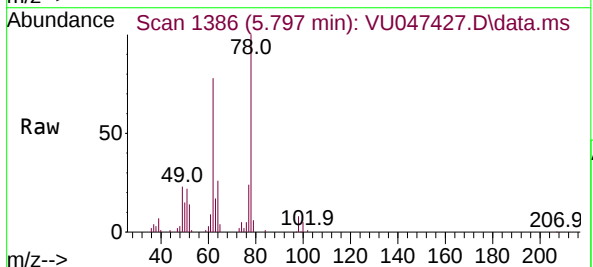
Acq: 10 Mar 2022 00:14

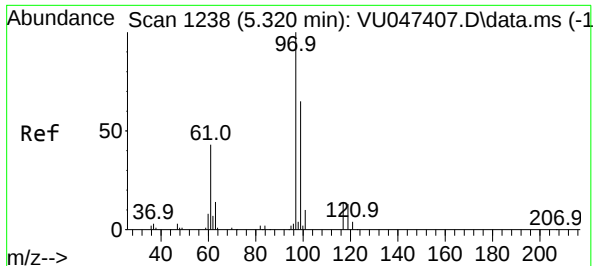
Tgt Ion: 62 Resp: 64974

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.265 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

YATM0MS

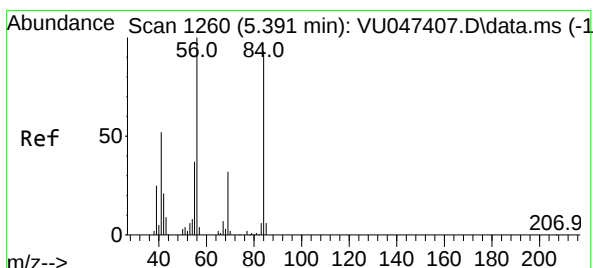
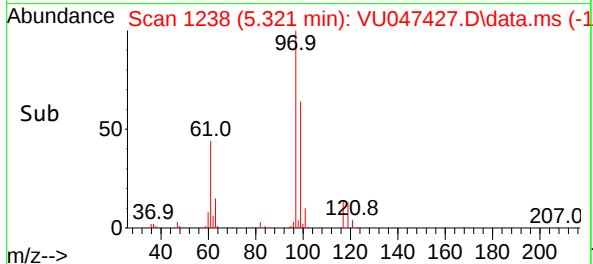
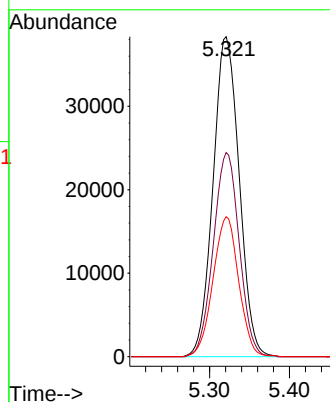
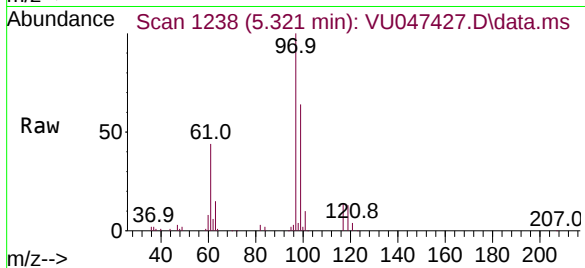
Tgt Ion: 97 Resp: 87153

Ion Ratio Lower Upper

97 100

99 63.2 52.1 78.1

61 43.0 33.8 50.6



#30

Cyclohexane

Concen: 5.327 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

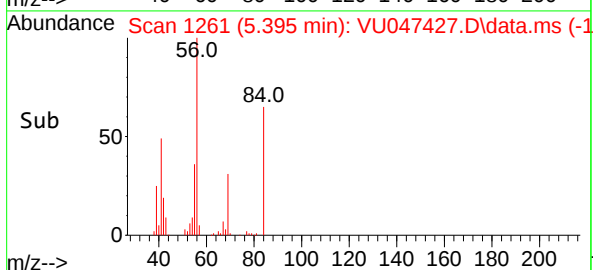
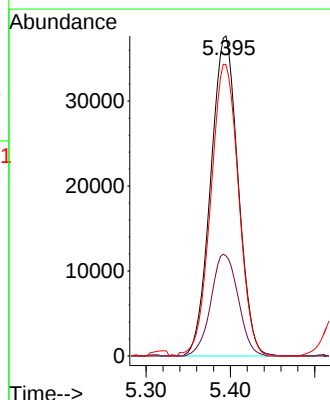
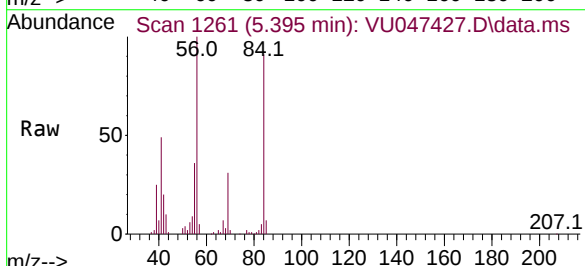
Tgt Ion: 56 Resp: 84949

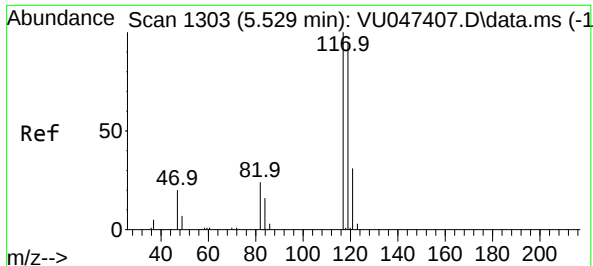
Ion Ratio Lower Upper

56 100

69 31.6 26.0 39.0

84 92.4 76.3 114.5

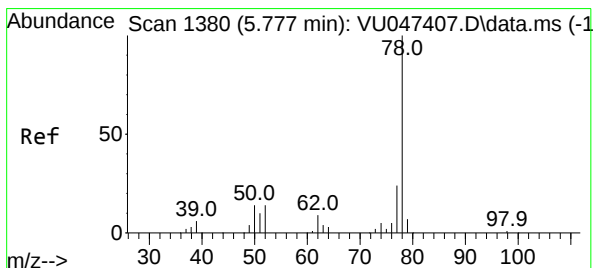
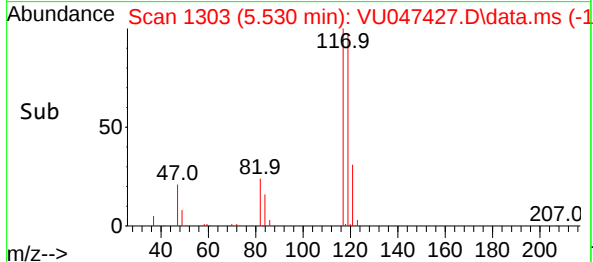
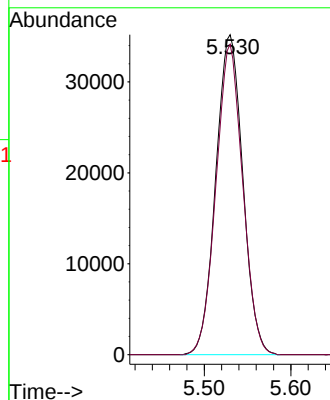
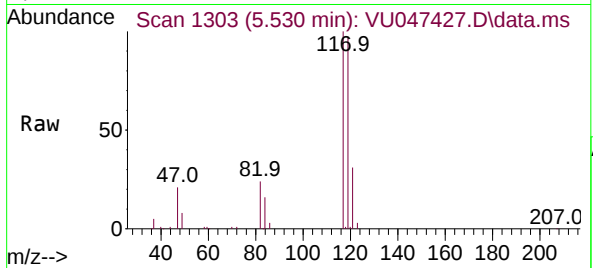




#31  
Carbon tetrachloride  
Concen: 5.238 ug/L  
RT: 5.530 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

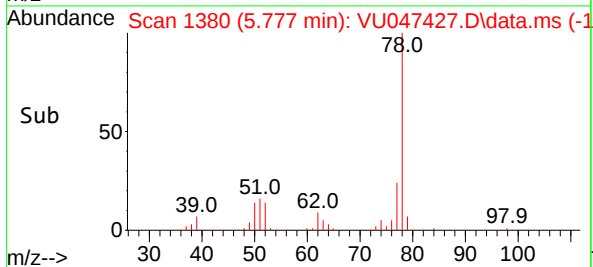
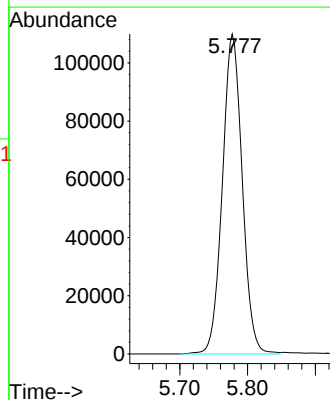
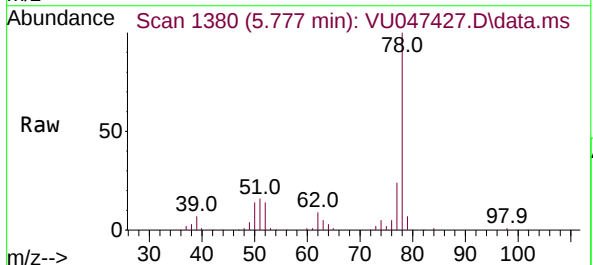
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MSVOA\_U  
ClientSampleId :  
YATM0MS

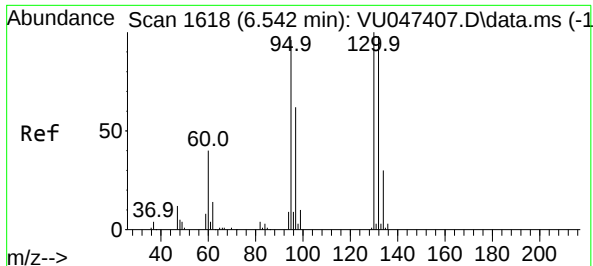
Tgt Ion:117 Resp: 76161  
Ion Ratio Lower Upper  
117 100  
119 95.8 75.8 113.8



#33  
Benzene  
Concen: 5.169 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 78 Resp: 223671

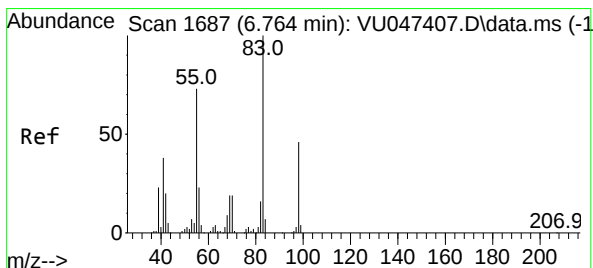
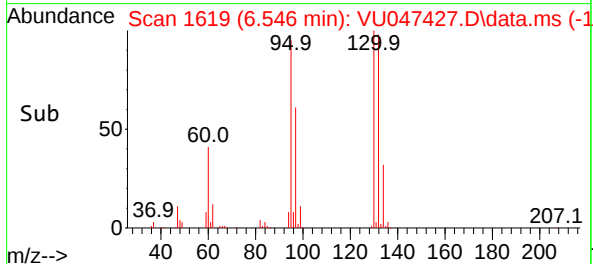
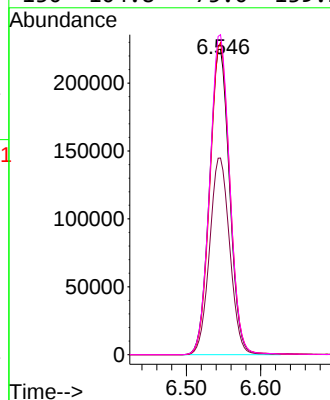
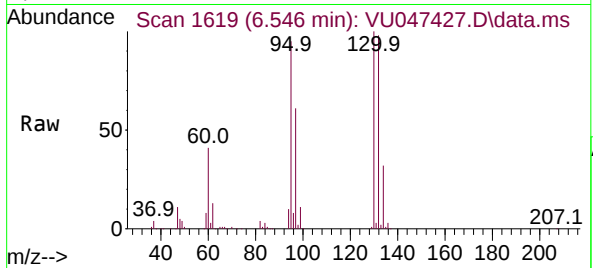




#34  
Trichloroethene  
Concen: 36.542 ug/L  
RT: 6.546 min Scan# 1618  
Delta R.T. 0.003 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

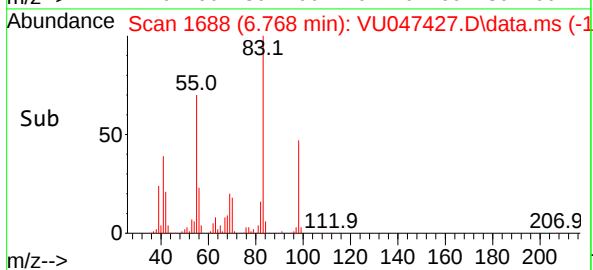
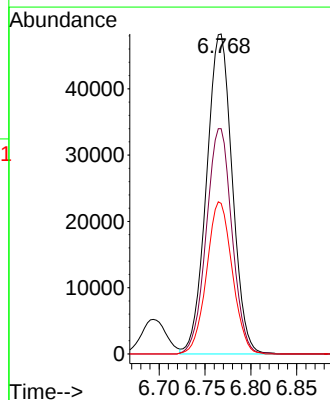
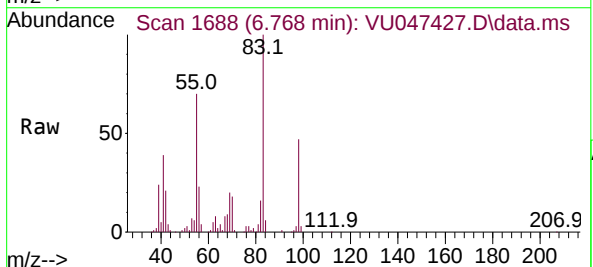
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

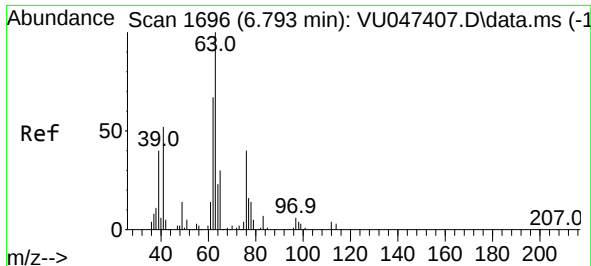
Tgt Ion: 95 Resp: 422697  
Ion Ratio Lower Upper  
95 100  
97 64.4 46.3 85.9  
132 102.2 71.7 133.1  
130 104.8 75.0 139.2



#35  
Methylcyclohexane  
Concen: 5.174 ug/L  
RT: 6.768 min Scan# 1688  
Delta R.T. 0.003 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 83 Resp: 94414  
Ion Ratio Lower Upper  
83 100  
55 70.2 57.8 86.8  
98 47.2 38.0 57.0





#37

1,2-Dichloropropane

Concen: 5.311 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

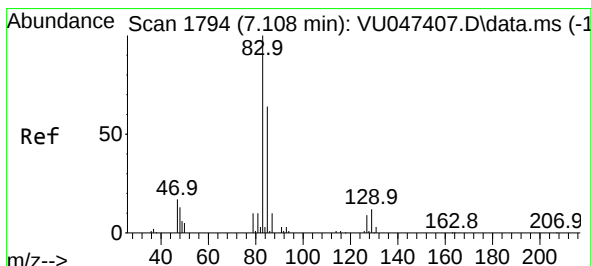
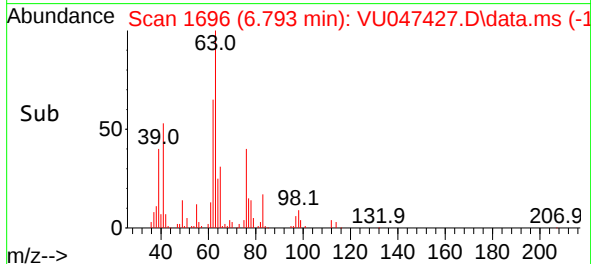
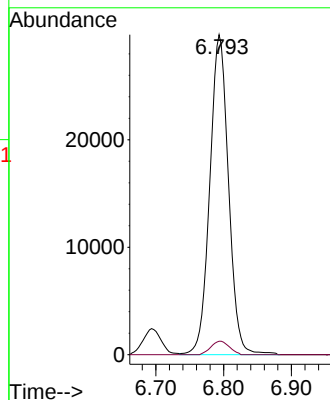
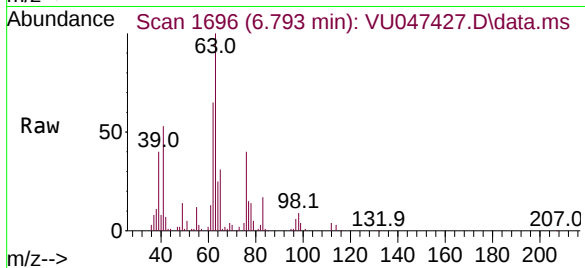
YATM0MS

Tgt Ion: 63 Resp: 57233

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 5.180 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

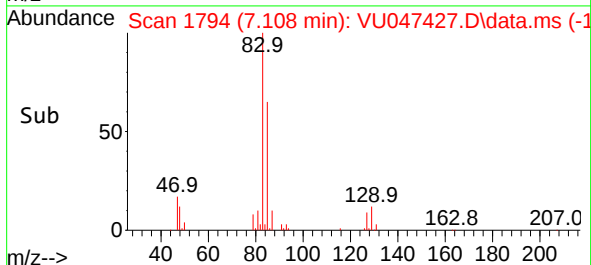
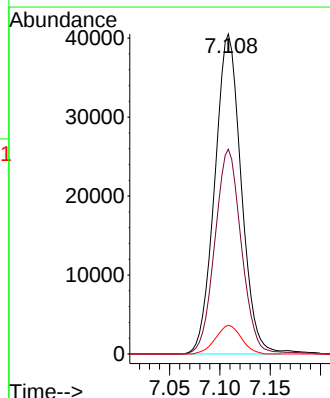
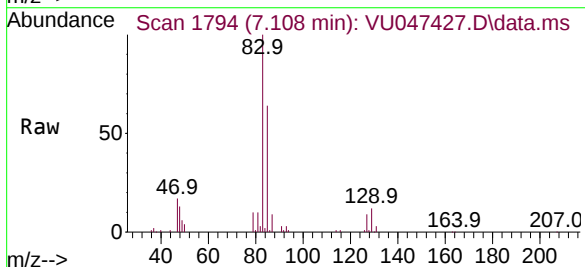
Tgt Ion: 83 Resp: 74111

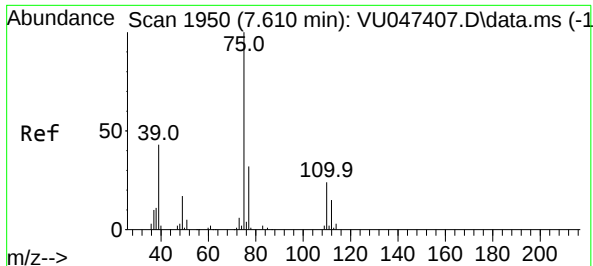
Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

127 9.0 7.4 11.0

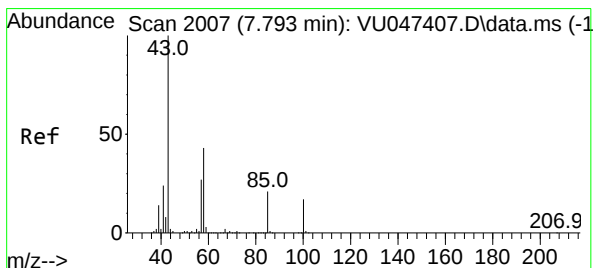
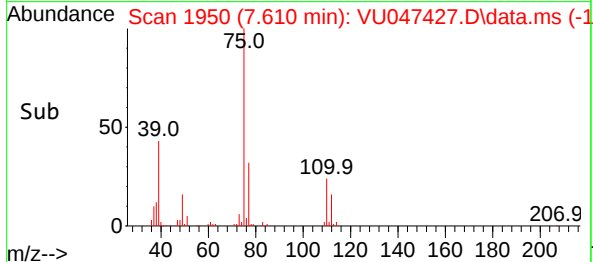
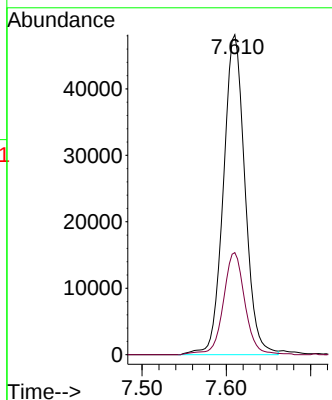
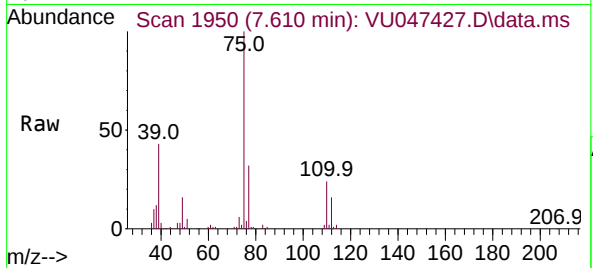




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.233 ug/L  
 RT: 7.610 min Scan# 1950  
 Delta R.T. 0.000 min  
 Lab File: VU047427.D  
 Acq: 10 Mar 2022 00:14

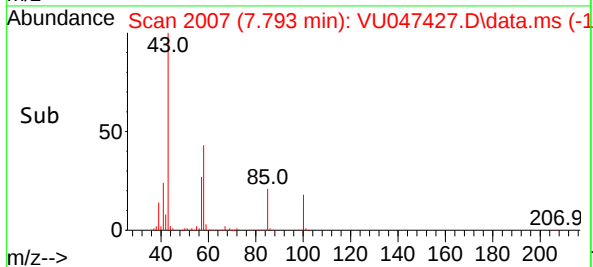
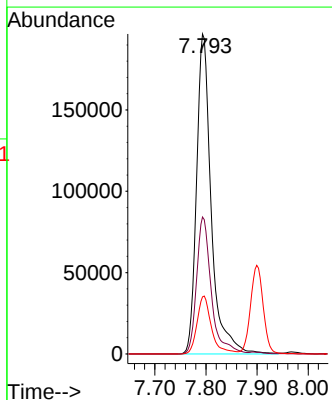
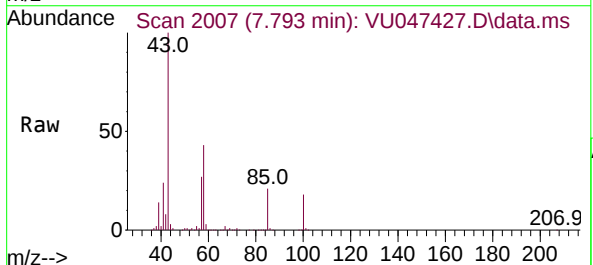
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YATM0MS

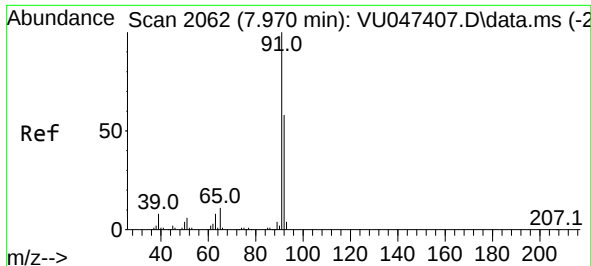
Tgt Ion: 75 Resp: 85497  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 22.6 42.0



#40  
 4-Methyl-2-pentanone  
 Concen: 53.557 ug/L  
 RT: 7.793 min Scan# 2007  
 Delta R.T. 0.000 min  
 Lab File: VU047427.D  
 Acq: 10 Mar 2022 00:14

Tgt Ion: 43 Resp: 393454  
 Ion Ratio Lower Upper  
 43 100  
 58 42.8 34.8 52.2  
 100 17.7 14.2 21.4





#42

Toluene

Concen: 5.224 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

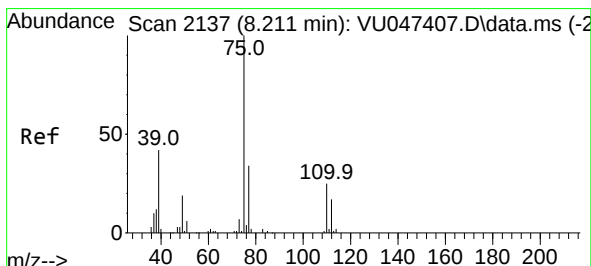
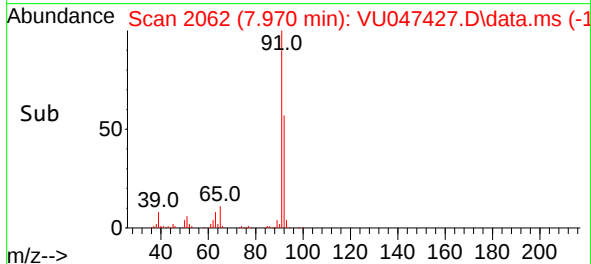
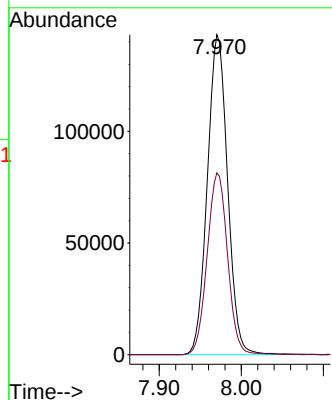
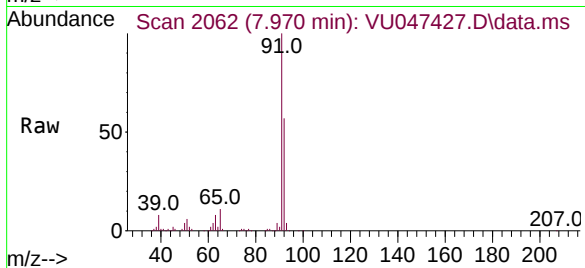
YATM0MS

Tgt Ion: 91 Resp: 245586

Ion Ratio Lower Upper

91 100

92 56.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.164 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047427.D

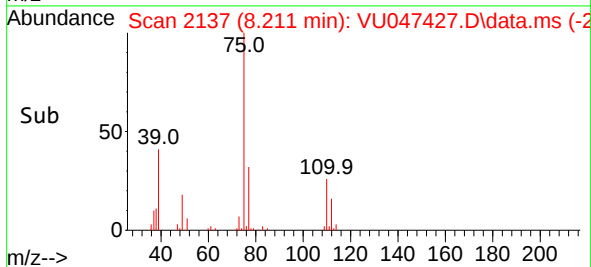
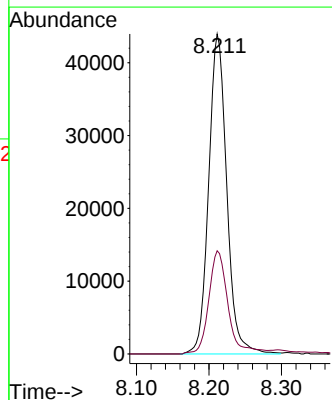
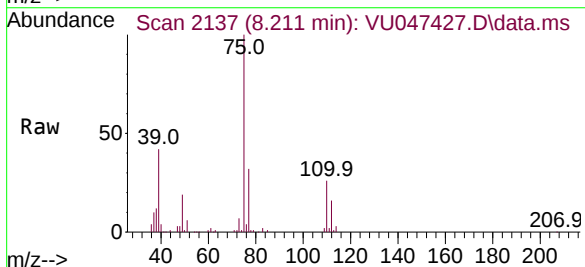
Acq: 10 Mar 2022 00:14

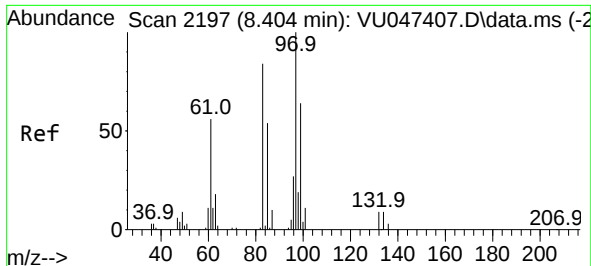
Tgt Ion: 75 Resp: 76098

Ion Ratio Lower Upper

75 100

77 32.2 23.6 43.8

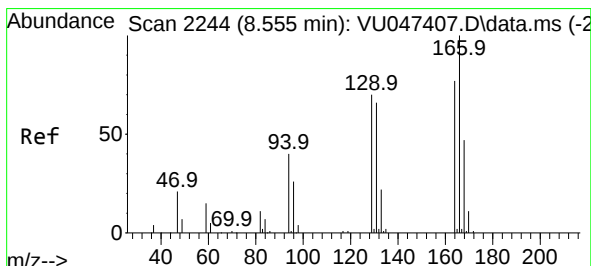
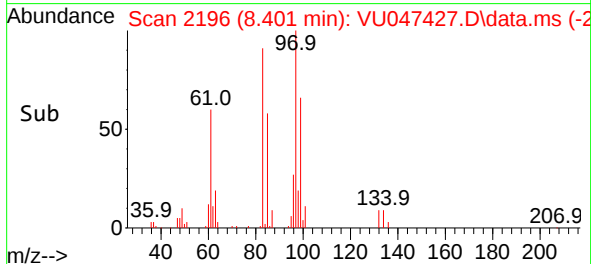
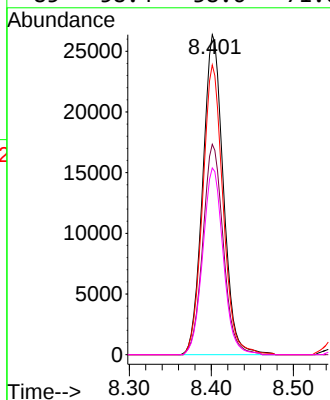
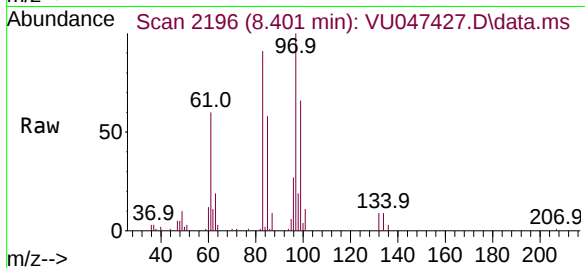




#45  
1,1,2-Trichloroethane  
Concen: 5.211 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.003 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

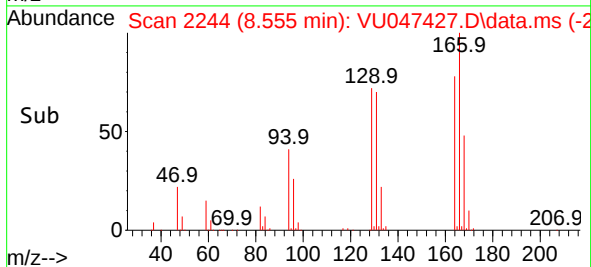
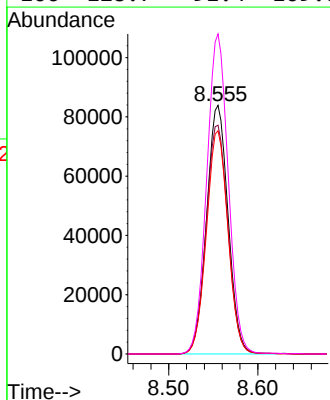
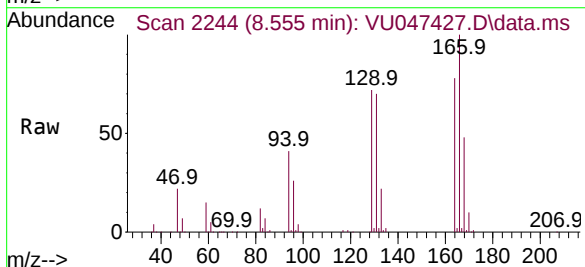
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

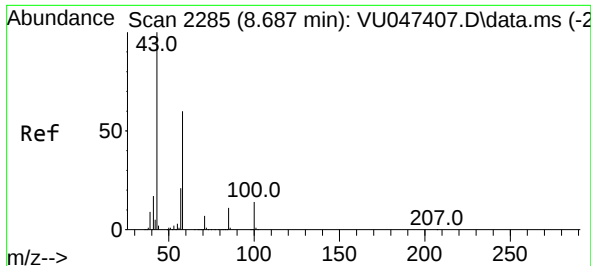
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 46021 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.7  | 43.3  | 80.5  |
| 83       | 90.5  | 59.1  | 109.9 |
| 85       | 58.4  | 38.6  | 71.6  |



#47  
Tetrachloroethene  
Concen: 14.374 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 141051 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 92.1  | 64.9  | 120.5  |
| 131      | 89.8  | 63.6  | 118.2  |
| 166      | 128.7 | 91.4  | 169.8  |

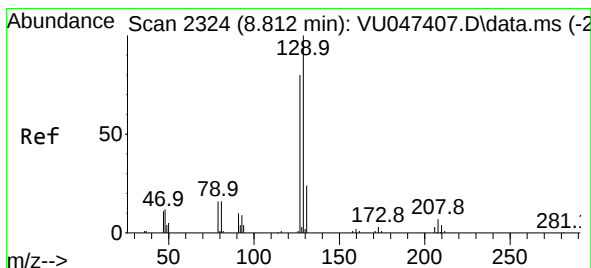
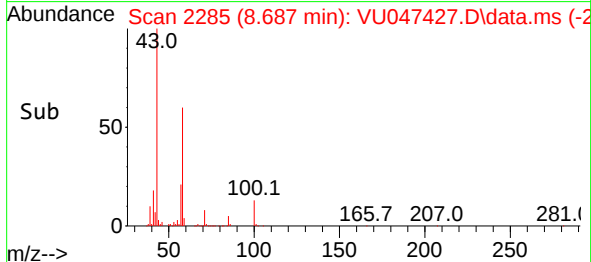
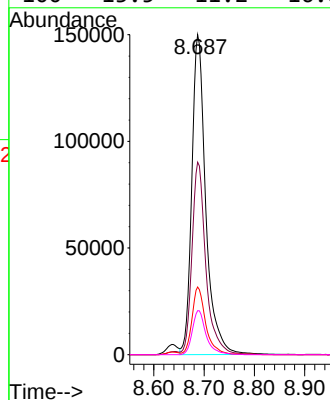
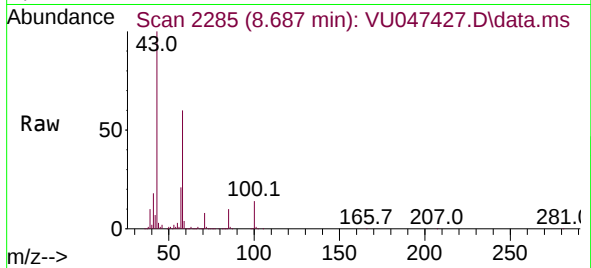




#48  
2-Hexanone  
Concen: 54.383 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

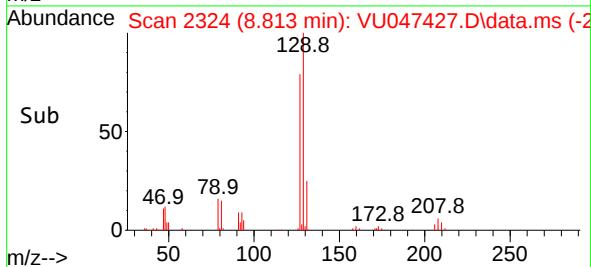
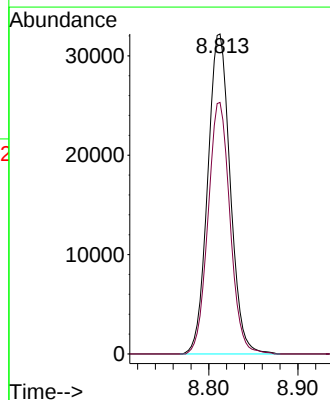
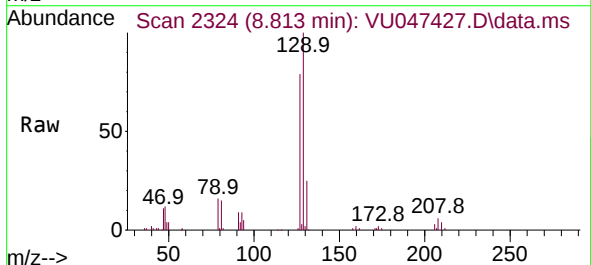
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

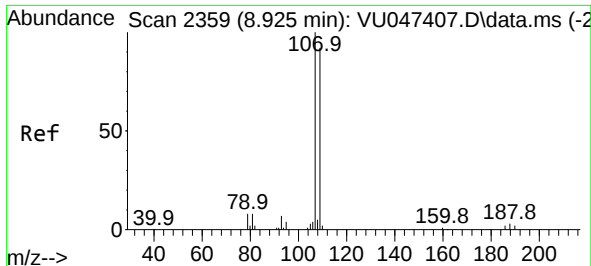
Tgt Ion: 43 Resp: 289853  
Ion Ratio Lower Upper  
43 100  
58 58.5 47.7 71.5  
57 20.4 16.6 25.0  
100 13.5 11.2 16.8



#49  
Dibromochloromethane  
Concen: 5.259 ug/L  
RT: 8.813 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 129 Resp: 56423  
Ion Ratio Lower Upper  
129 100  
127 78.6 52.6 97.8





#50

1,2-Dibromoethane

Concen: 5.194 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

YATM0MS

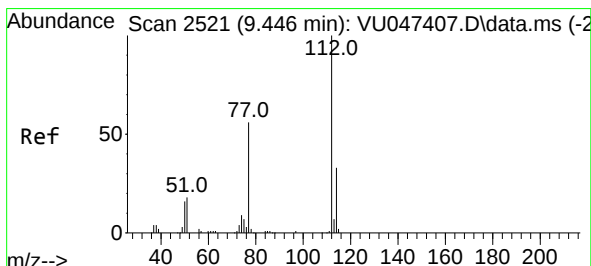
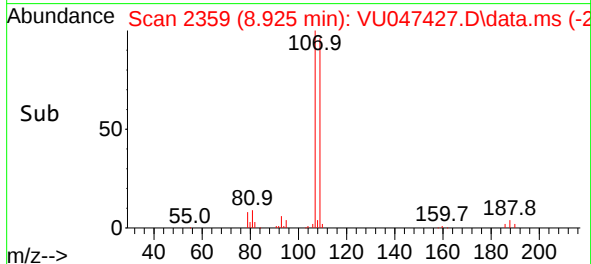
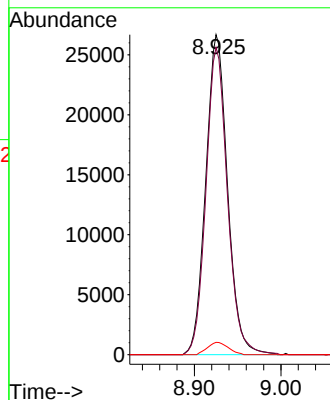
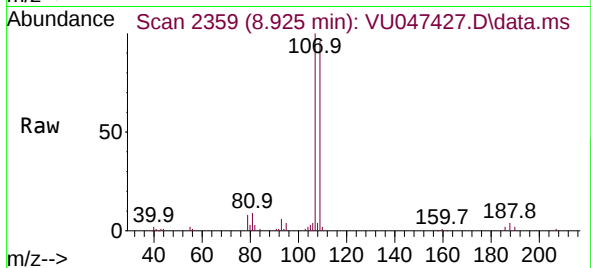
Tgt Ion:107 Resp: 46680

Ion Ratio Lower Upper

107 100

109 96.0 65.8 122.2

188 3.8 3.3 4.9



#51

Chlorobenzene

Concen: 5.196 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

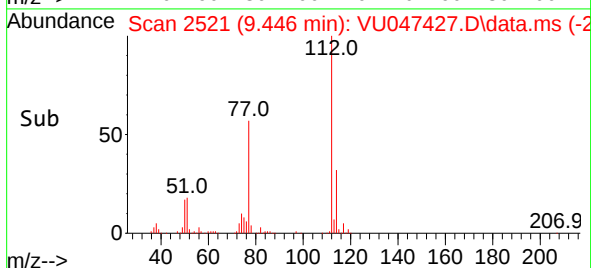
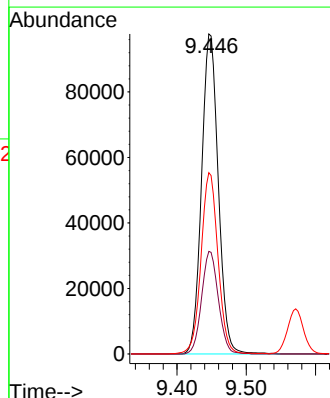
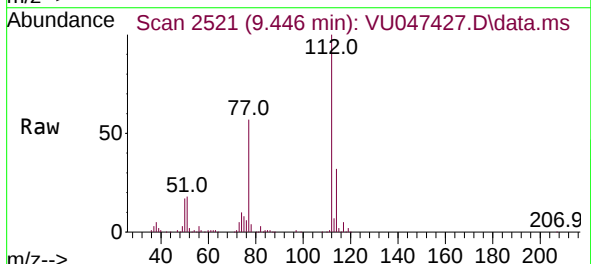
Tgt Ion:112 Resp: 163411

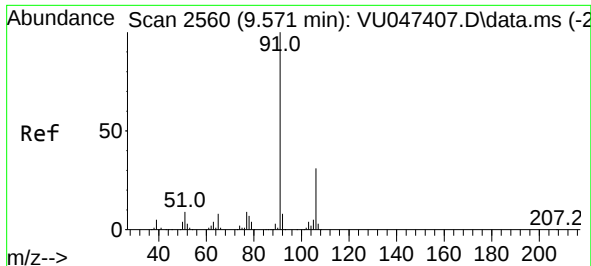
Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

77 56.7 45.0 67.6

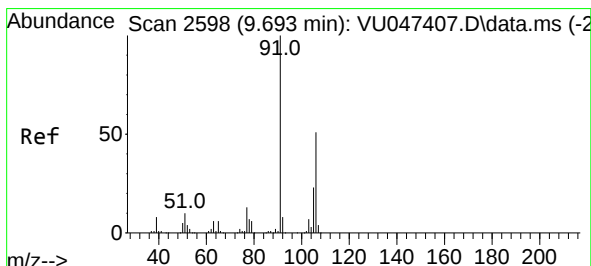
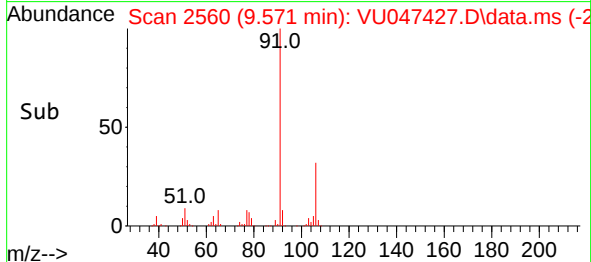
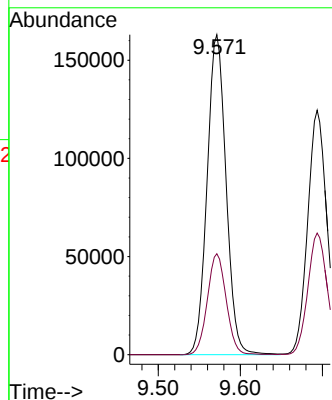
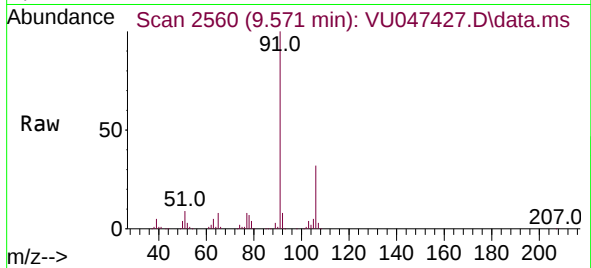




#52  
Ethylbenzene  
Concen: 5.133 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

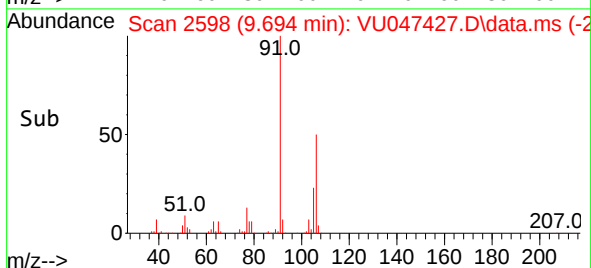
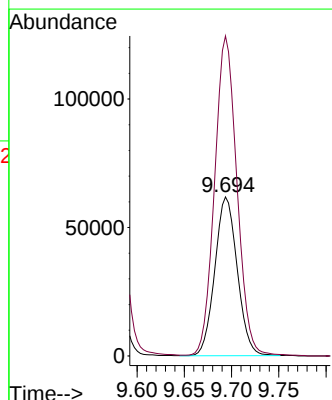
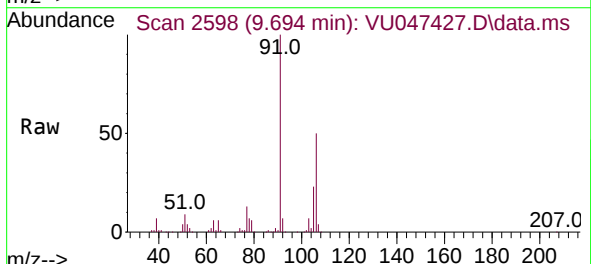
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

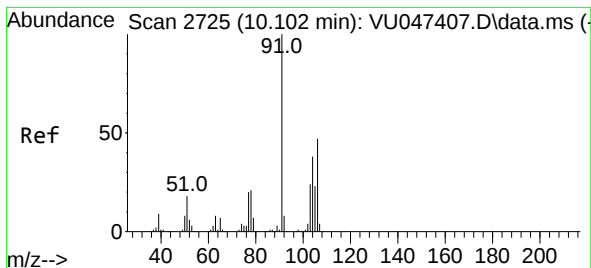
Tgt Ion: 91 Resp: 261346  
Ion Ratio Lower Upper  
91 100  
106 31.6 22.4 41.6



#53  
m,p-Xylene  
Concen: 5.104 ug/L  
RT: 9.694 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion:106 Resp: 101926  
Ion Ratio Lower Upper  
106 100  
91 201.2 138.8 257.8





#54

o-Xylene

Concen: 5.204 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

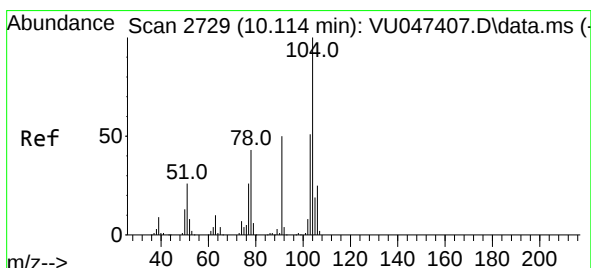
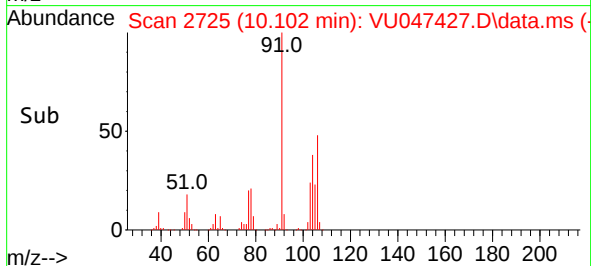
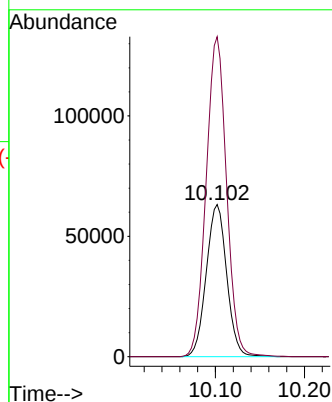
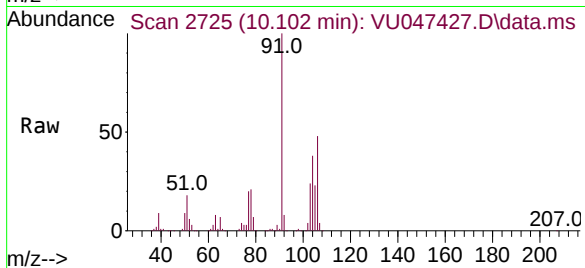
YATM0MS

Tgt Ion:106 Resp: 100700

Ion Ratio Lower Upper

106 100

91 210.2 149.2 277.0



#55

Styrene

Concen: 5.187 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU047427.D

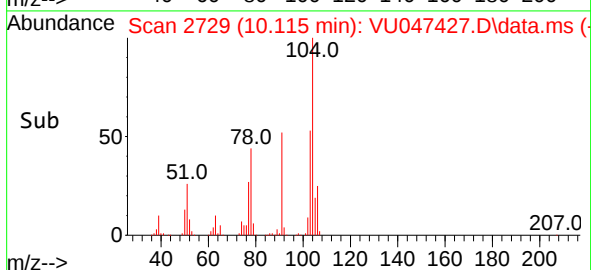
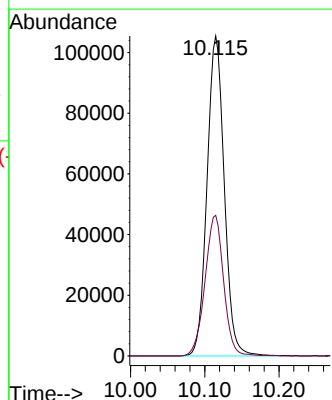
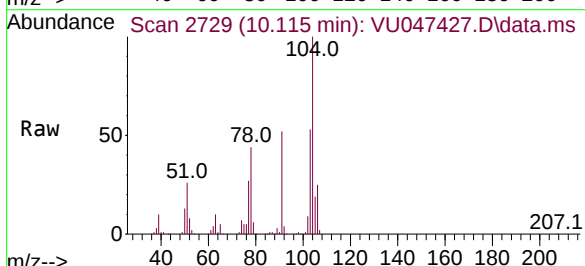
Acq: 10 Mar 2022 00:14

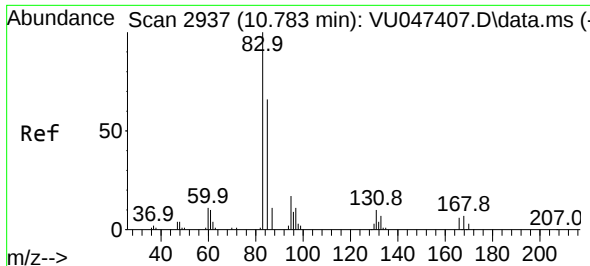
Tgt Ion:104 Resp: 169667

Ion Ratio Lower Upper

104 100

78 44.0 30.4 56.4

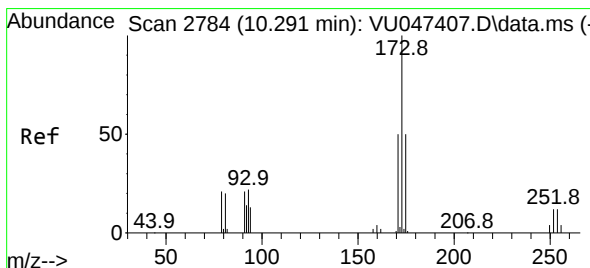
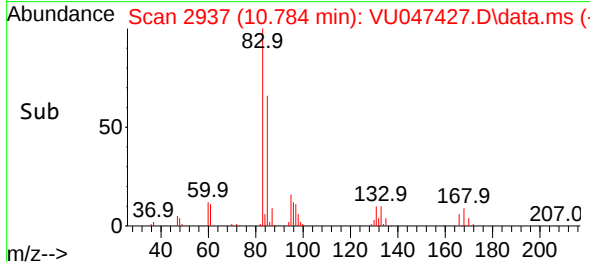
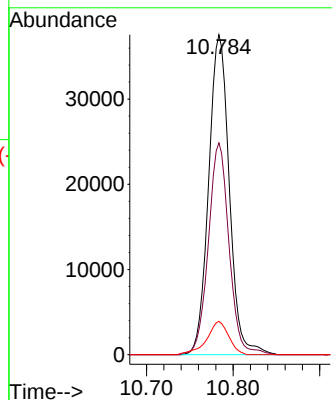
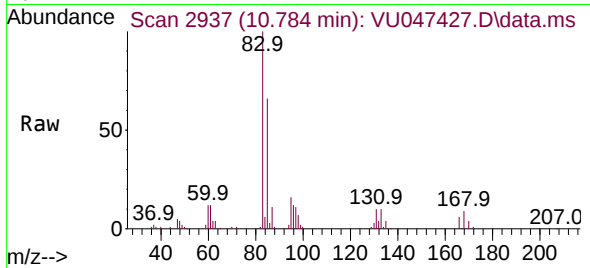




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.266 ug/L  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

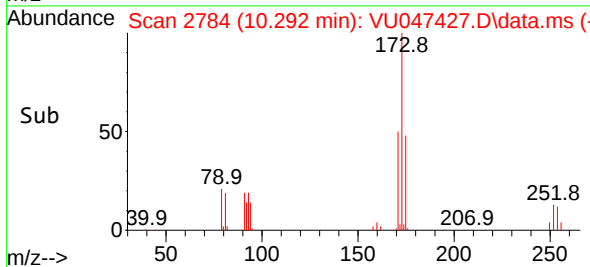
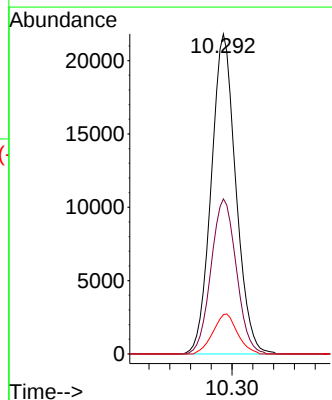
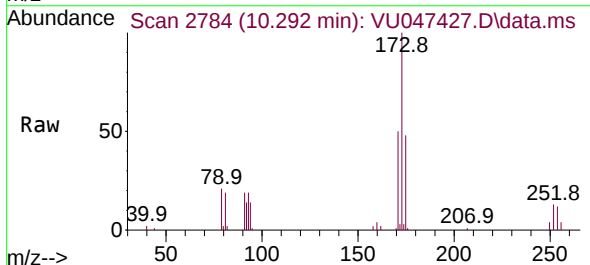
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

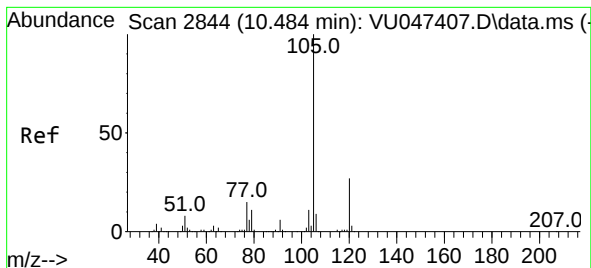
Tgt Ion: 83 Resp: 62257  
Ion Ratio Lower Upper  
83 100  
85 66.2 46.0 85.4  
131 10.4 8.2 12.4



#59  
Bromoform  
Concen: 5.298 ug/L  
RT: 10.292 min Scan# 2784  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion: 173 Resp: 35772  
Ion Ratio Lower Upper  
173 100  
175 49.8 38.7 58.1  
254 12.5 9.0 13.4





#60

Isopropylbenzene

Concen: 5.221 ug/L

RT: 10.485 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

YATM0MS

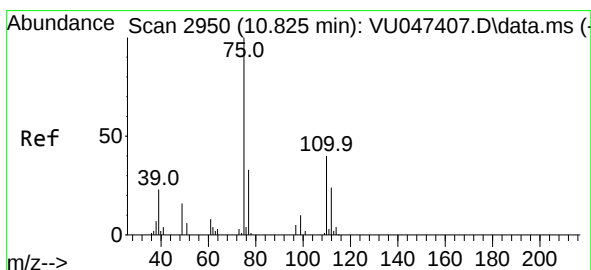
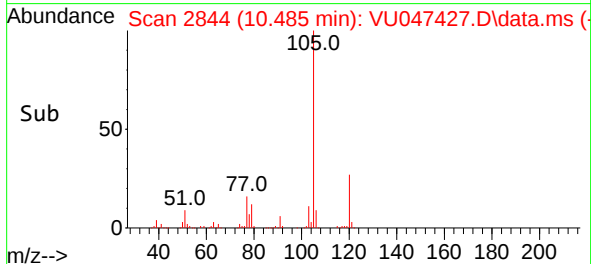
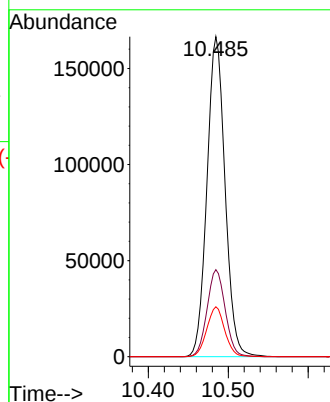
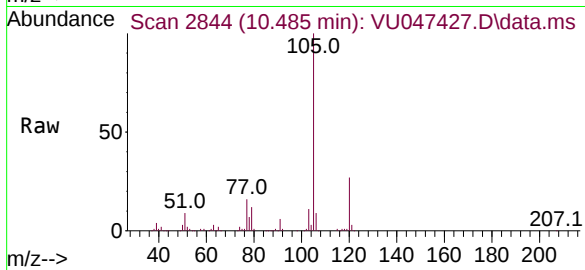
Tgt Ion:105 Resp: 261936

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.6

77 15.5 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 5.338 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

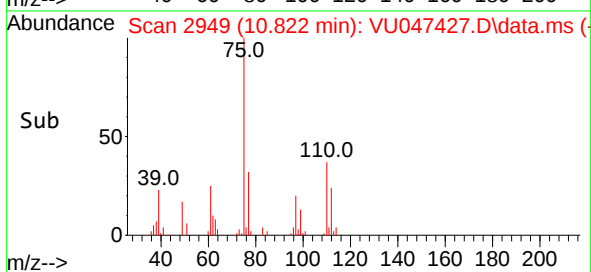
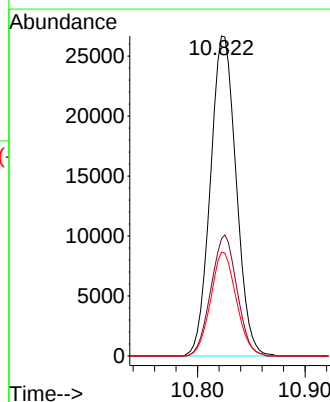
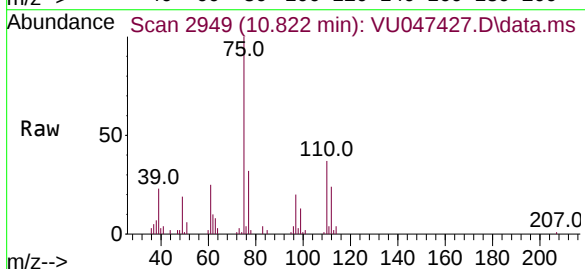
Tgt Ion: 75 Resp: 44338

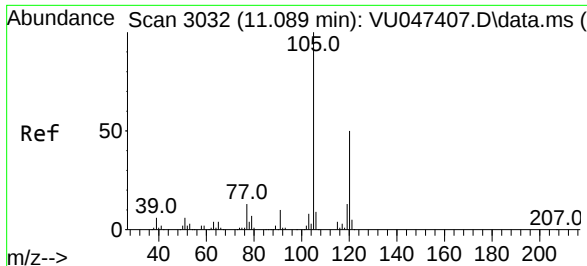
Ion Ratio Lower Upper

75 100

110 38.2 31.0 46.4

77 32.4 26.2 39.4

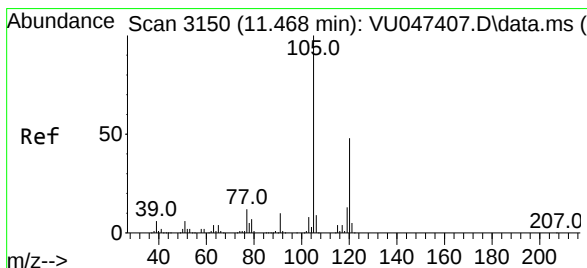
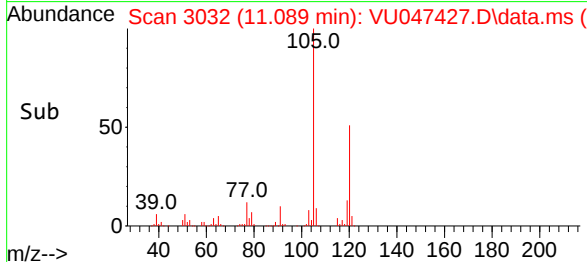
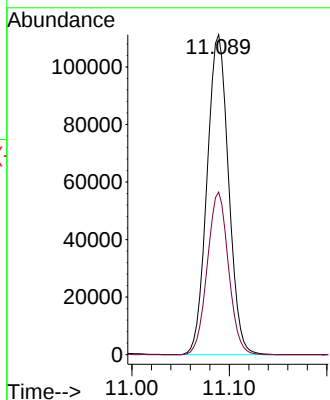
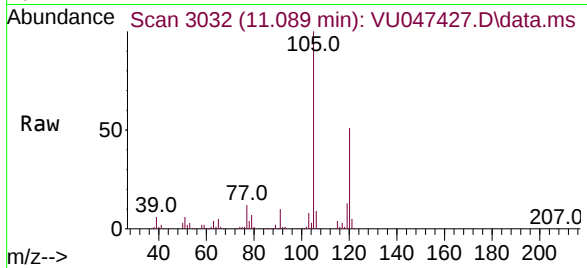




#62  
1,3,5-Trimethylbenzene  
Concen: 5.192 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

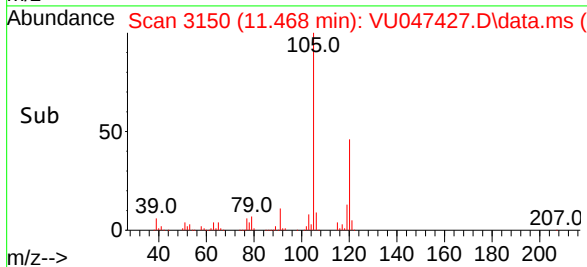
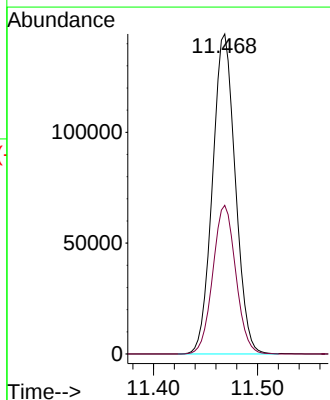
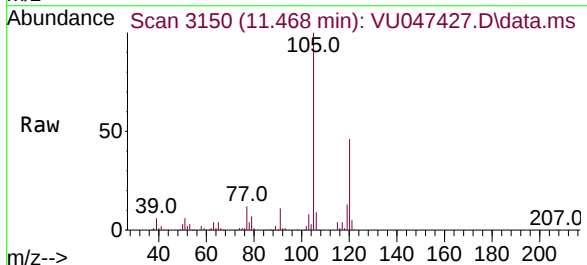
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

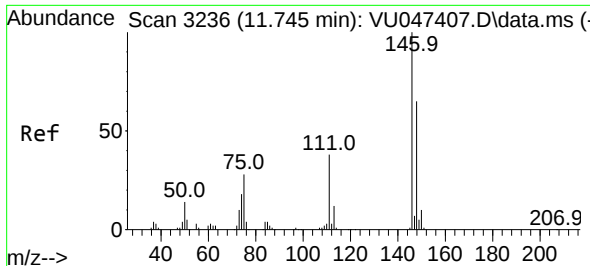
Tgt Ion:105 Resp: 170862  
Ion Ratio Lower Upper  
105 100  
120 50.0 40.1 60.1



#63  
1,2,4-Trimethylbenzene  
Concen: 5.159 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion:105 Resp: 220238  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.2 55.8

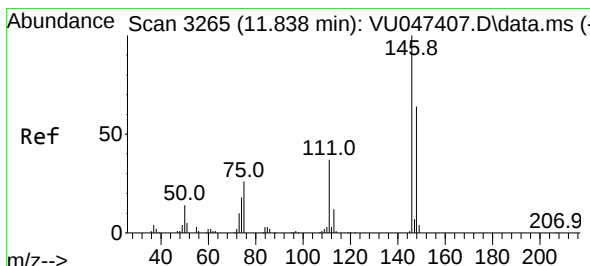
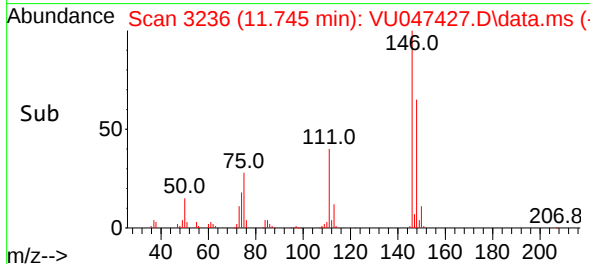
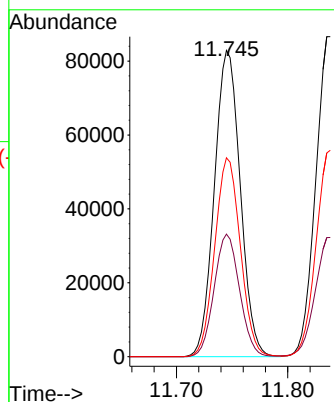
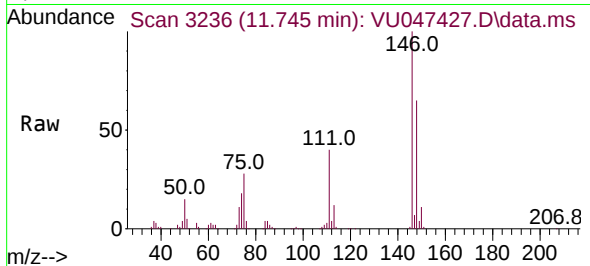




#64  
1,3-Dichlorobenzene  
Concen: 5.037 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

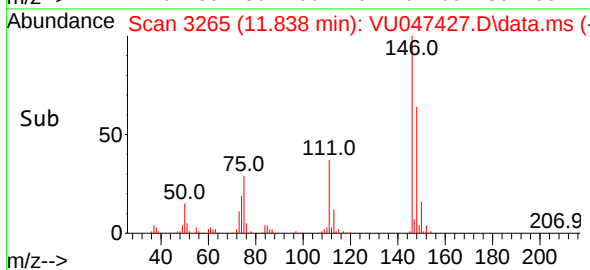
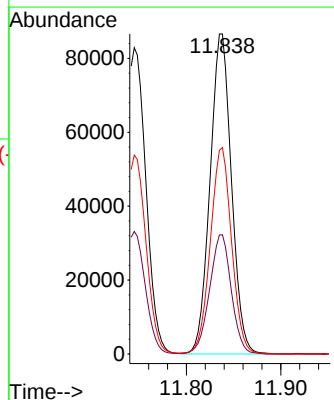
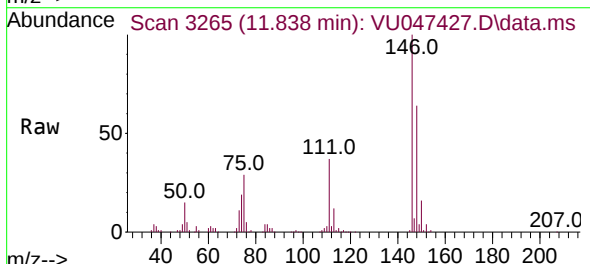
Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

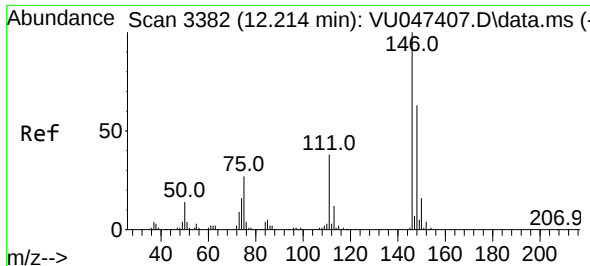
Tgt Ion:146 Resp: 133946  
Ion Ratio Lower Upper  
146 100  
111 40.0 27.0 50.2  
148 64.9 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 5.049 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion:146 Resp: 136349  
Ion Ratio Lower Upper  
146 100  
111 37.3 26.1 48.5  
148 64.5 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 5.136 ug/L

RT: 12.211 min Scan# 3382

Delta R.T. -0.003 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

YATM0MS

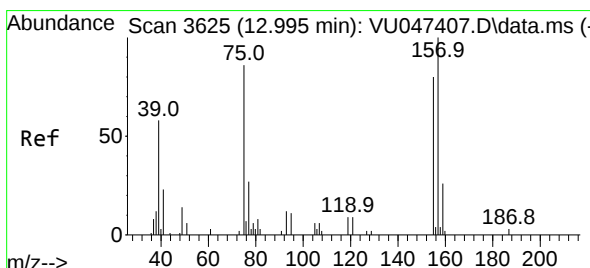
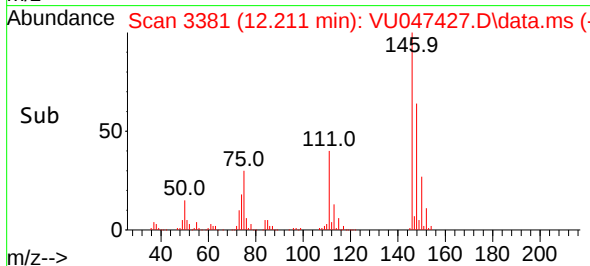
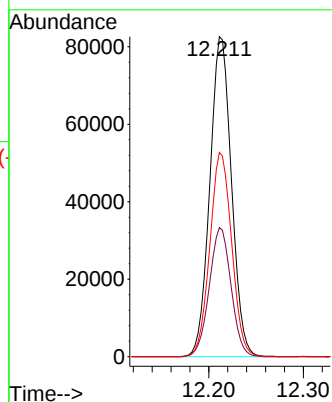
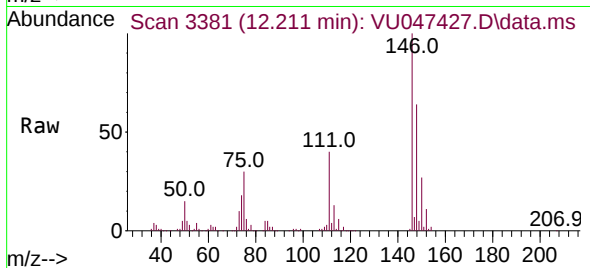
Tgt Ion:146 Resp: 131240

Ion Ratio Lower Upper

146 100

111 40.4 31.9 47.9

148 63.8 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.227 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

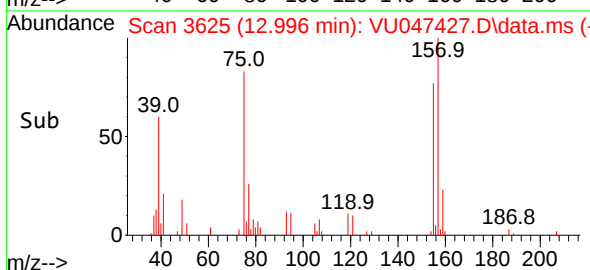
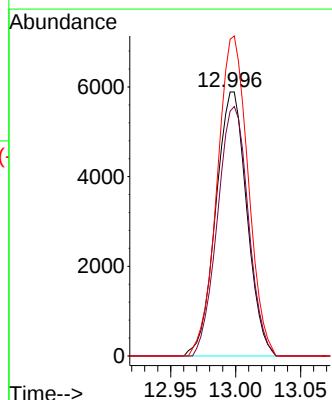
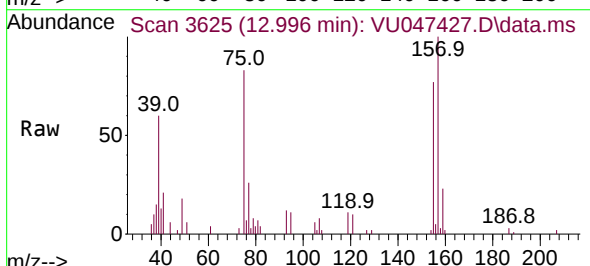
Tgt Ion: 75 Resp: 9789

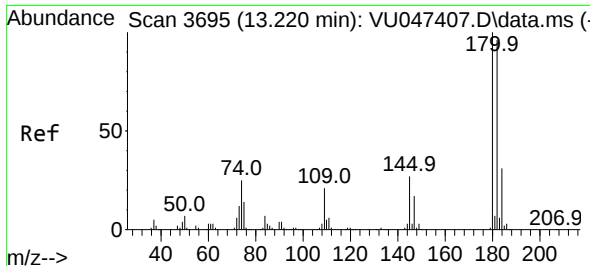
Ion Ratio Lower Upper

75 100

155 92.7 71.3 106.9

157 119.9 88.6 132.8





#69

1,3,5-Trichlorobenzene

Concen: 5.136 ug/L

RT: 13.218 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

Instrument :

MSVOA\_U

ClientSampleId :

YATM0MS

Tgt Ion:180 Resp: 112034

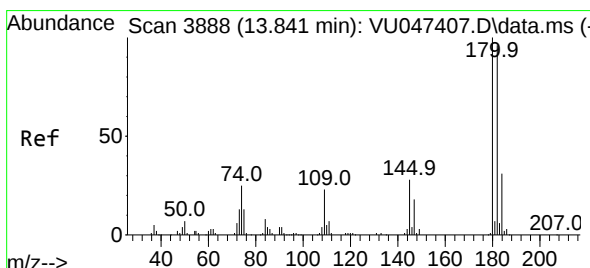
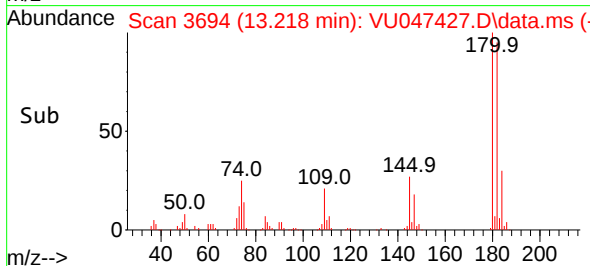
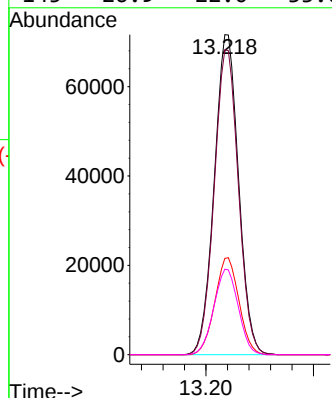
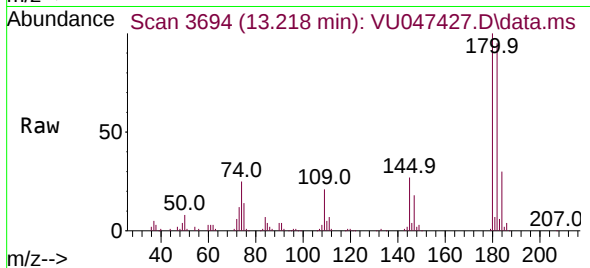
Ion Ratio Lower Upper

180 100

182 94.9 77.1 115.7

184 30.2 25.0 37.4

145 26.9 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 5.045 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU047427.D

Acq: 10 Mar 2022 00:14

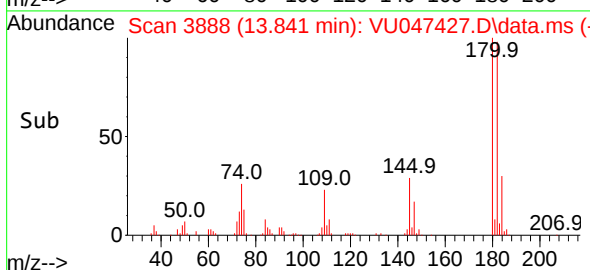
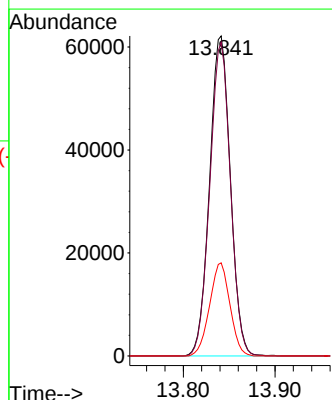
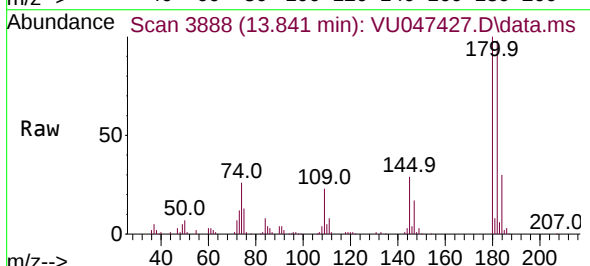
Tgt Ion:180 Resp: 98085

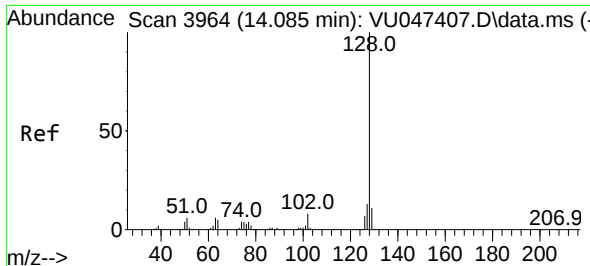
Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

145 28.4 22.4 33.6

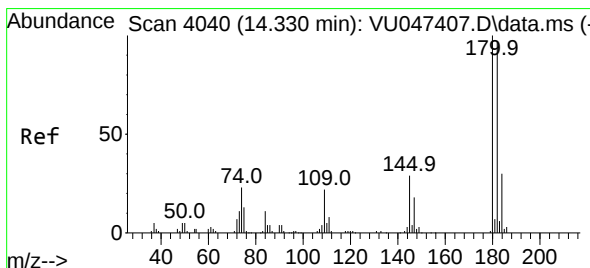
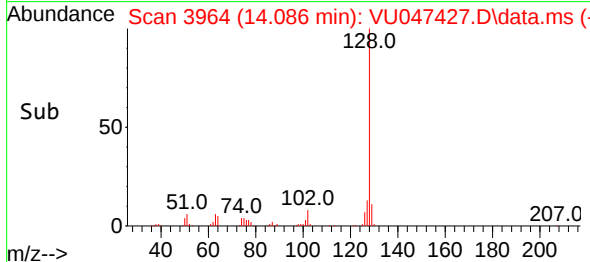
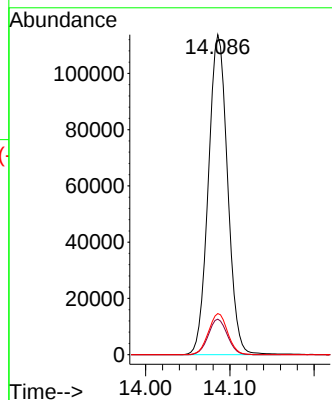
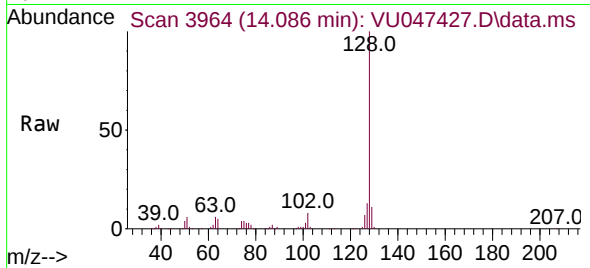




#71  
Naphthalene  
Concen: 5.194 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
YATM0MS

Tgt Ion:128 Resp: 180615  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 12.8 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.129 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU047427.D  
Acq: 10 Mar 2022 00:14

Tgt Ion:180 Resp: 91431  
Ion Ratio Lower Upper  
180 100  
182 96.3 77.0 115.6  
145 29.2 23.4 35.2

