

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U030922\  
 Data File : U047407.D  
 Acq On : 09 Mar 2022 15:45  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 10 00:47:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:41:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 175116   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 165855   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 95066    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 46847    | 4.933    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.600%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 34687    | 4.975    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 20521    | 4.892    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 97.800%  |
| 20) 2-Butanone-d5             | 4.645  | 46    | 84649    | 50.060   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.120% |
| 24) Chloroform-d              | 5.070  | 84    | 74015    | 4.892    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 37182    | 4.853    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.000%  |
| 32) Benzene-d6                | 5.732  | 84    | 155325   | 4.979    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 45840    | 4.967    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.400%  |
| 41) Toluene-d8                | 7.899  | 98    | 154623   | 5.042    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.800% |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 19808    | 5.055    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 101.000% |
| 46) 2-Hexanone-d5             | 8.635  | 63    | 89916    | 52.090   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 39834    | 4.953    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 60295    | 5.003    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 66966    | 5.107    | ug/L   | 100      |
| 3) Chloromethane              | 1.526  | 50    | 64092    | 4.895    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 65153    | 5.059    | ug/L   | 98       |
| 6) Bromomethane               | 1.864  | 94    | 37536    | 5.112    | ug/L   | 98       |
| 8) Chloroethane               | 1.941  | 64    | 38856    | 4.968    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 87196    | 5.139    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.587  | 101   | 55255    | 5.274    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.587  | 96    | 51696    | 5.028    | ug/L   | 97       |
| 13) Acetone                   | 2.661  | 43    | 76430    | 49.195   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.800  | 76    | 158114   | 5.010    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.964  | 43    | 24117    | 5.874    | ug/L   | 96       |
| 16) Methylene chloride        | 3.050  | 84    | 56565    | 4.609    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 132156   | 4.984    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 55392    | 5.032    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 93616    | 5.001    | ug/L   | 100      |
| 21) 2-Butanone                | 4.726  | 43    | 141623   | 50.619   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 61380    | 5.032    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.980  | 128   | 30015    | 5.150    | ug/L   | 98       |
| 25) Chloroform                | 5.092  | 83    | 101093   | 4.987    | ug/L   | 97       |

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 Data File : VU047407.D  
 Acq On : 09 Mar 2022 15:45  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 10 00:47:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:41:40 2022  
 Response via : Initial Calibration

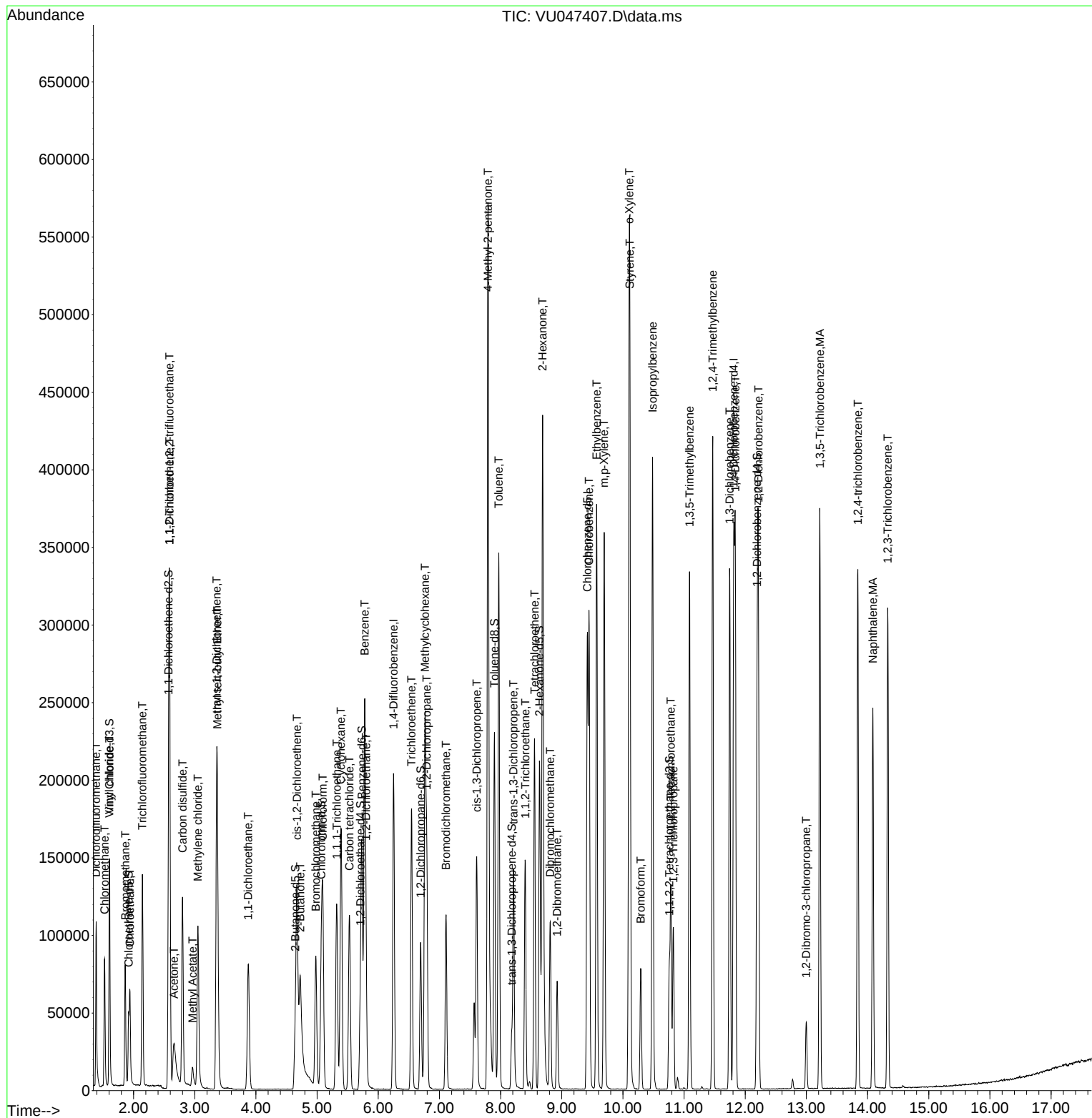
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 64660    | 4.955  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.320  | 97   | 88074    | 5.140  | ug/L  | 99       |
| 30) Cyclohexane               | 5.391  | 56   | 85094    | 5.155  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.529  | 117  | 78280    | 5.201  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 225465   | 5.033  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 60755    | 5.074  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 98537    | 5.217  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 57289    | 5.135  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 74345    | 5.020  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 89515    | 5.293  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 405348   | 53.303 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 254590   | 5.232  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 79135    | 5.188  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 48219    | 5.274  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.555  | 164  | 52626    | 5.181  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.687  | 43   | 297389   | 53.902 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 57017    | 5.134  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 48413    | 5.204  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.446  | 112  | 166369   | 5.111  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.571  | 91   | 274921   | 5.217  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 109287   | 5.286  | ug/L  | 100      |
| 54) o-Xylene                  | 10.102 | 106  | 103538   | 5.169  | ug/L  | 100      |
| 55) Styrene                   | 10.114 | 104  | 176753   | 5.220  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 62029    | 5.068  | ug/L  | 100      |
| 59) Bromoform                 | 10.291 | 173  | 36889    | 5.154  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 275755   | 5.184  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 44075    | 5.005  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 181066   | 5.190  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 235151   | 5.196  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 145218   | 5.151  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 144943   | 5.063  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 138493   | 5.113  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 10347    | 5.212  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 124788   | 5.397  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 109516   | 5.314  | ug/L  | 100      |
| 71) Naphthalene               | 14.085 | 128  | 200450   | 5.437  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 101097   | 5.349  | ug/L  | 99       |

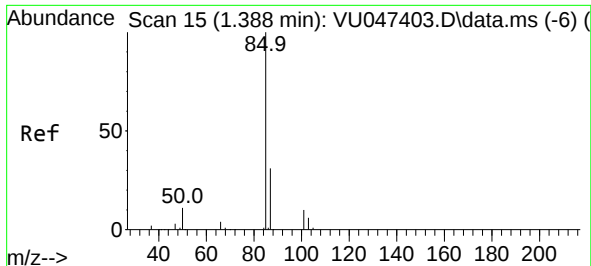
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
Data File : VU047407.D  
Acq On : 09 Mar 2022 15:45  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Mar 10 00:47:54 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Mar 10 00:41:40 2022  
Response via : Initial Calibration

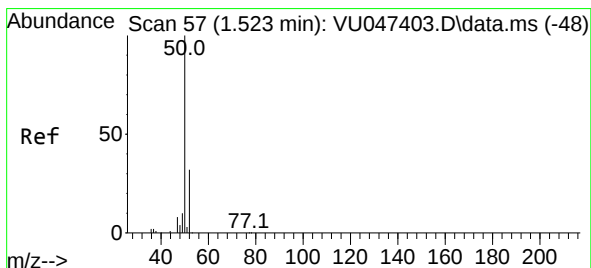
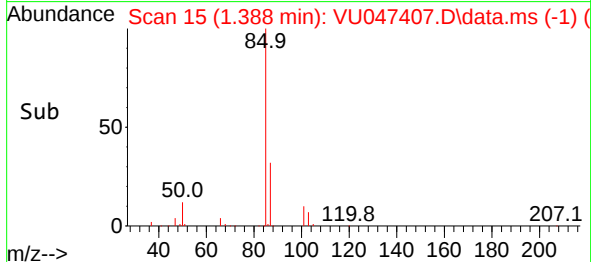
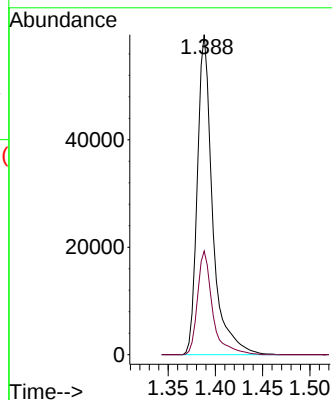
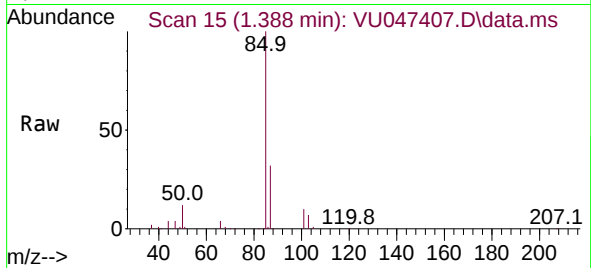




#2  
Dichlorodifluoromethane  
Concen: 5.107 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

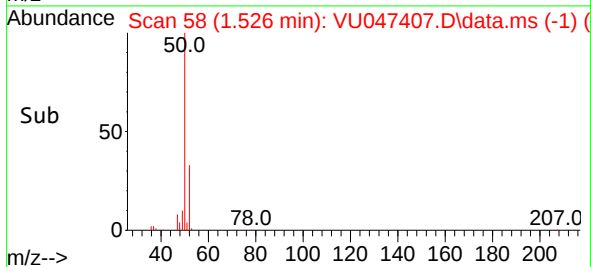
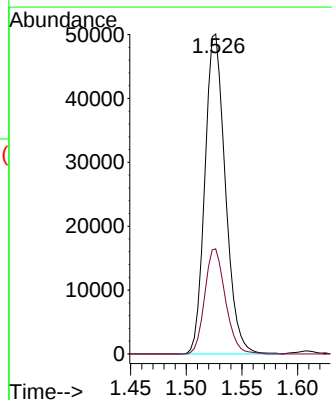
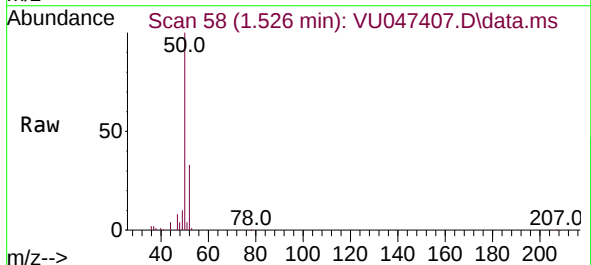
Instrument :  
MSVOA\_U  
ClientSampleId :

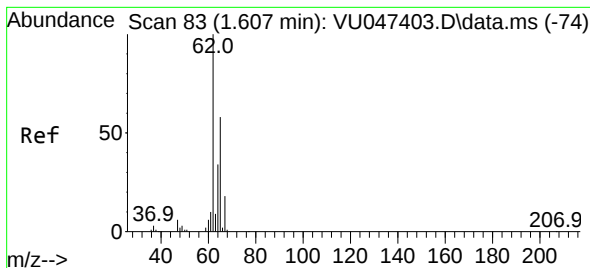
Tgt Ion: 85 Resp: 66966  
Ion Ratio Lower Upper  
85 100  
87 32.0 25.6 38.4



#3  
Chloromethane  
Concen: 4.895 ug/L  
RT: 1.526 min Scan# 58  
Delta R.T. 0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion: 50 Resp: 64092  
Ion Ratio Lower Upper  
50 100  
52 32.9 22.5 41.9





#5

Vinyl chloride

Concen: 5.059 ug/L

RT: 1.607 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

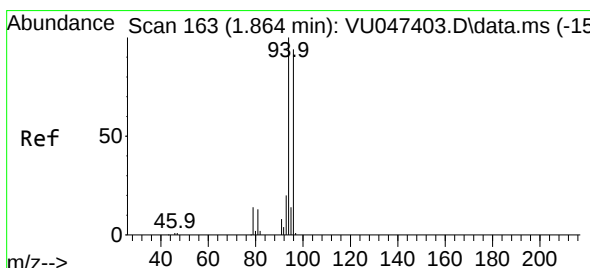
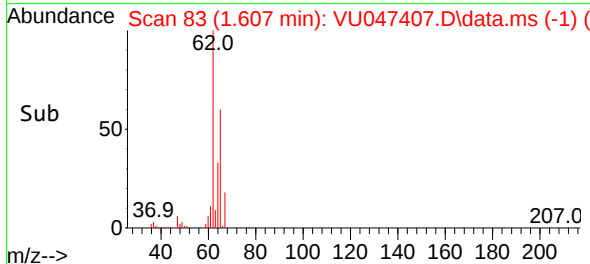
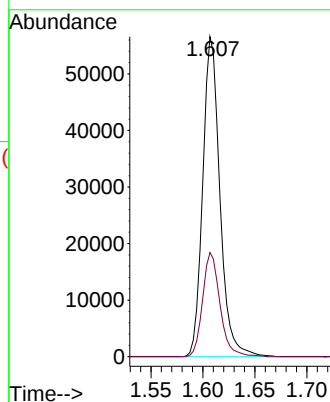
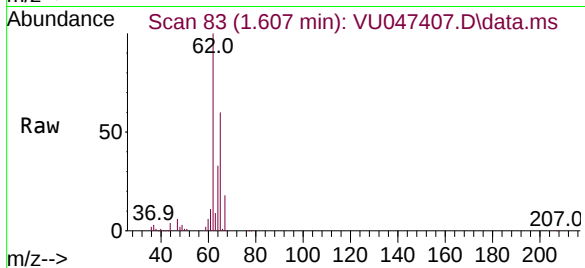
ClientSampleId :

Tgt Ion: 62 Resp: 65153

Ion Ratio Lower Upper

62 100

64 32.5 23.7 43.9



#6

Bromomethane

Concen: 5.112 ug/L

RT: 1.864 min Scan# 163

Delta R.T. -0.000 min

Lab File: VU047407.D

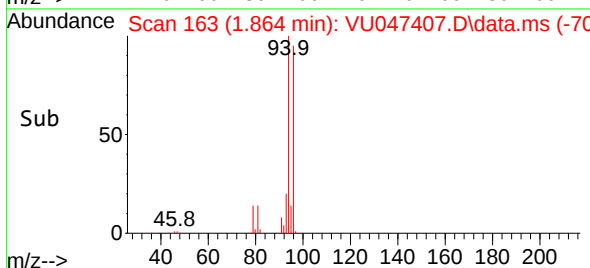
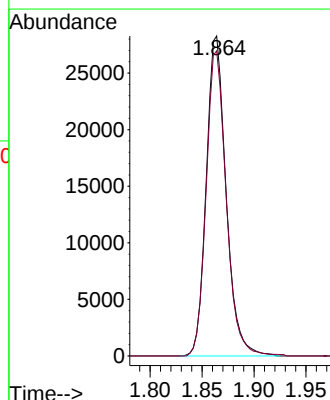
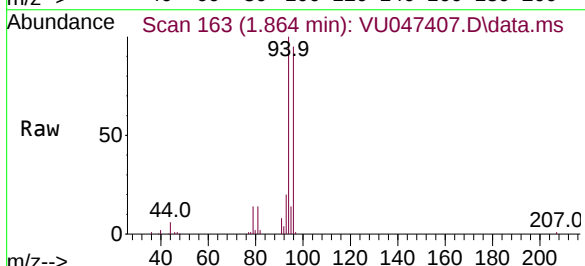
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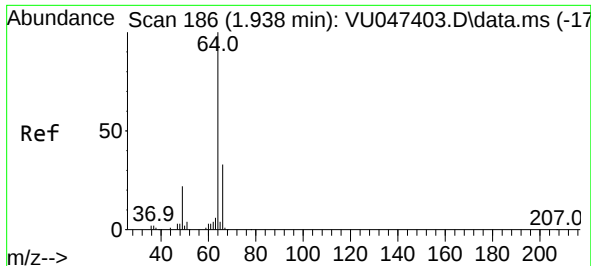
Tgt Ion: 94 Resp: 37536

Ion Ratio Lower Upper

94 100

96 95.4 65.6 121.8

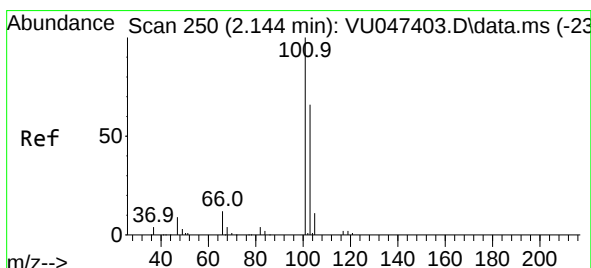
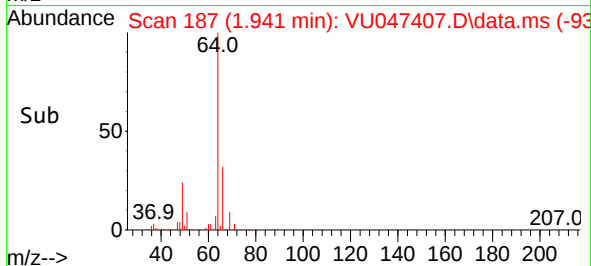
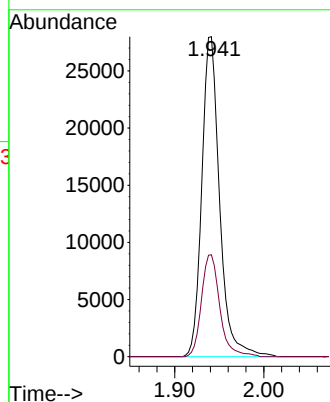
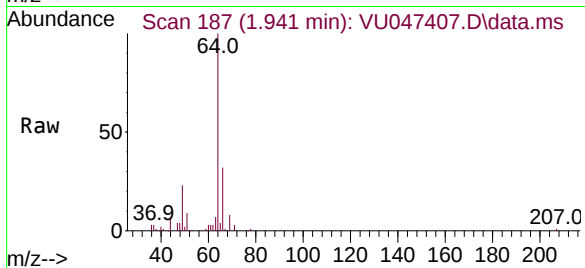




#8  
Chloroethane  
Concen: 4.968 ug/L  
RT: 1.941 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

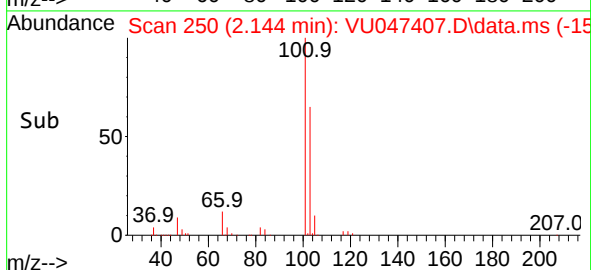
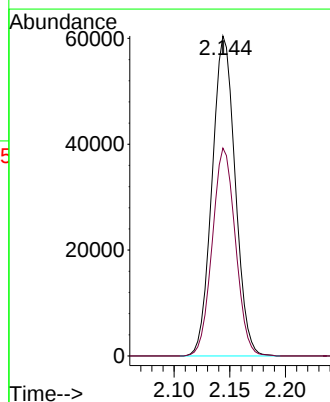
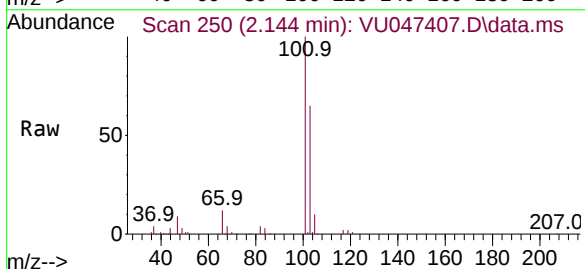
Instrument :  
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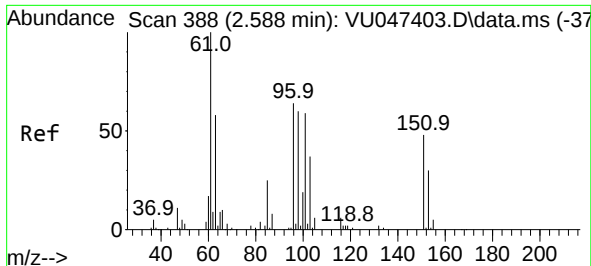
Tgt Ion: 64 Resp: 38856  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 5.139 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion:101 Resp: 87196  
Ion Ratio Lower Upper  
101 100  
103 65.1 51.8 77.8

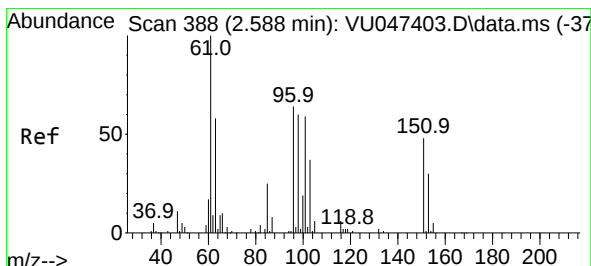
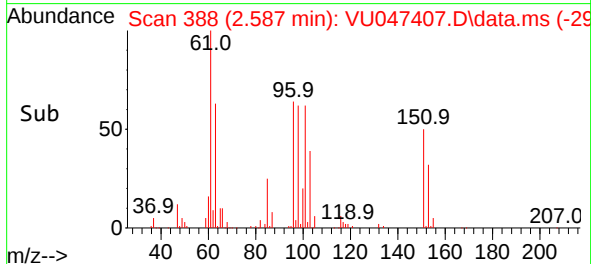
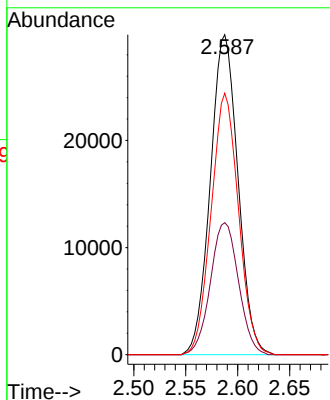
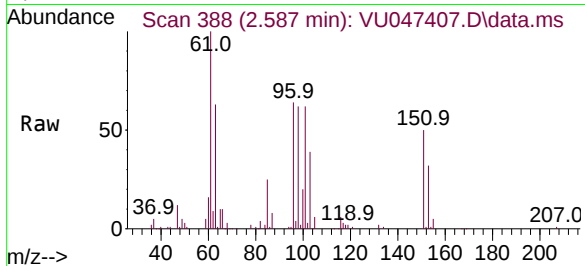




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.274 ug/L  
 RT: 2.587 min Scan# 388  
 Delta R.T. -0.000 min  
 Lab File: VU047407.D  
 Acq: 09 Mar 2022 15:45

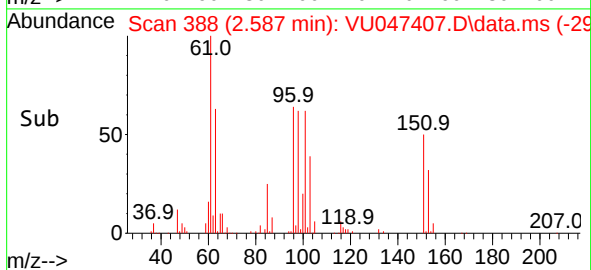
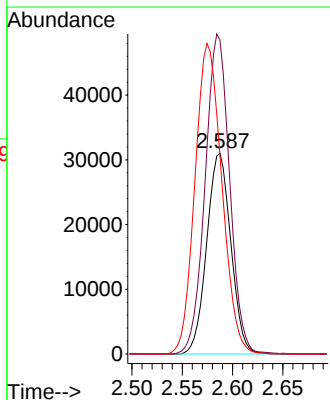
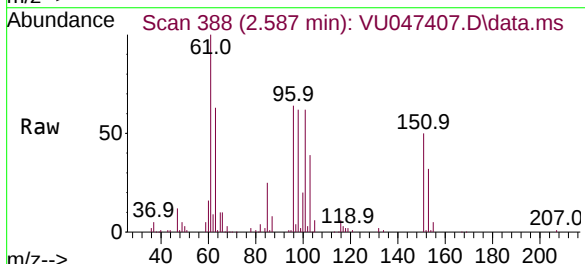
Instrument :  
 MSVOA\_U  
 ClientSampleId :

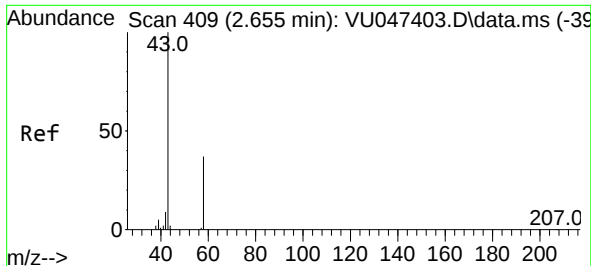
Tgt Ion:101 Resp: 55255  
 Ion Ratio Lower Upper  
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 151 80.7 64.8 97.2



#12  
 1,1-Dichloroethene  
 Concen: 5.028 ug/L  
 RT: 2.587 min Scan# 388  
 Delta R.T. -0.000 min  
 Lab File: VU047407.D  
 Acq: 09 Mar 2022 15:45

Tgt Ion: 96 Resp: 51696  
 Ion Ratio Lower Upper  
 96 100  
 61 156.4 108.8 202.0  
 63 98.5 64.0 119.0





#13

Acetone

Concen: 49.195 ug/L

RT: 2.661 min Scan# 411

Delta R.T. 0.006 min

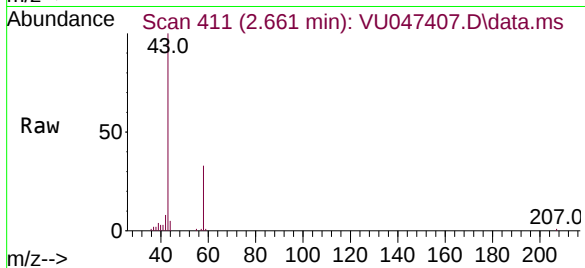
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Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

ClientSampleId :

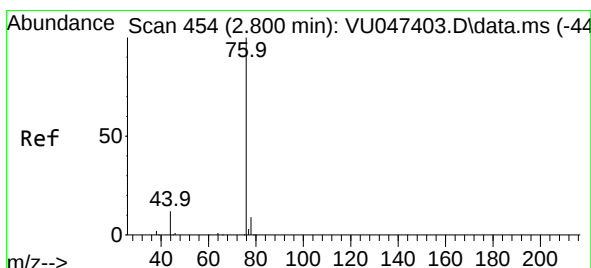
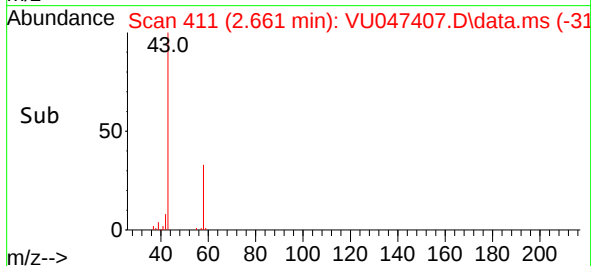
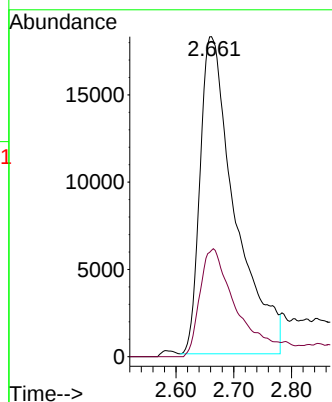


Tgt Ion: 43 Resp: 76430

Ion Ratio Lower Upper

43 100

58 35.4 0.0 72.6



#14

Carbon disulfide

Concen: 5.010 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047407.D

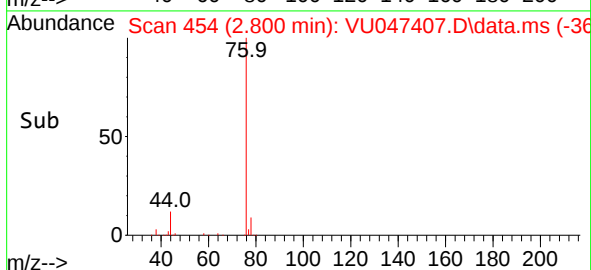
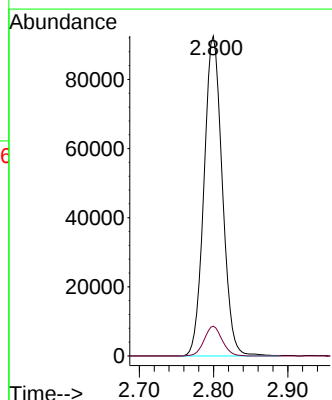
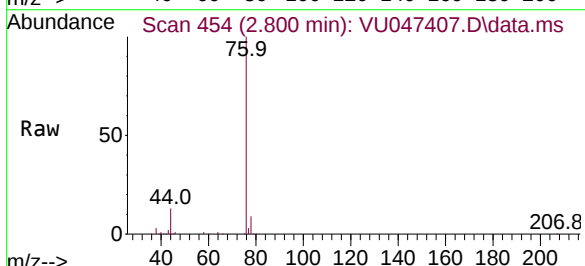
Acq: 09 Mar 2022 15:45

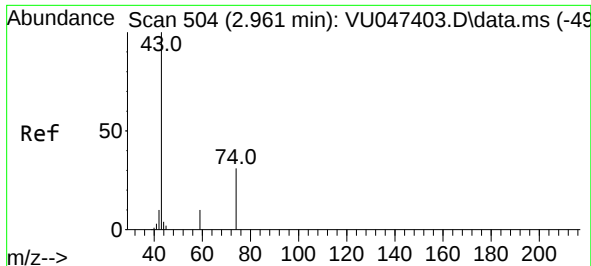
Tgt Ion: 76 Resp: 158114

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

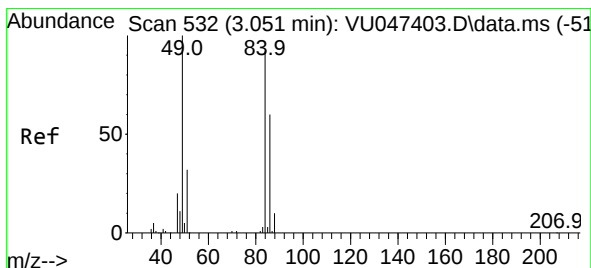
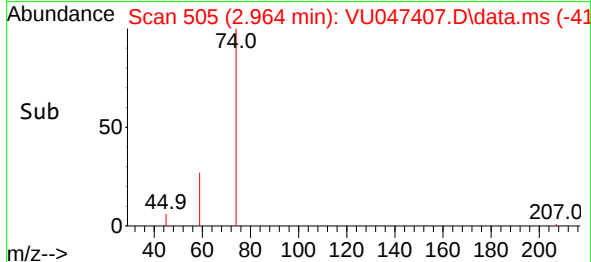
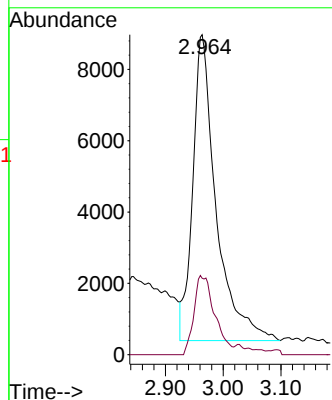
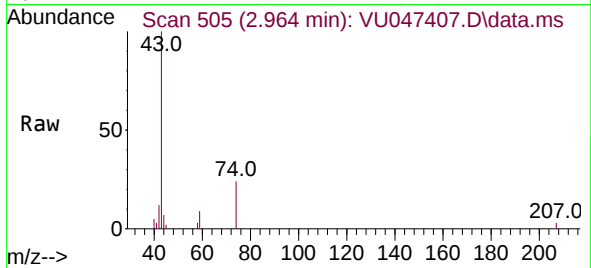




#15  
Methyl Acetate  
Concen: 5.874 ug/L  
RT: 2.964 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

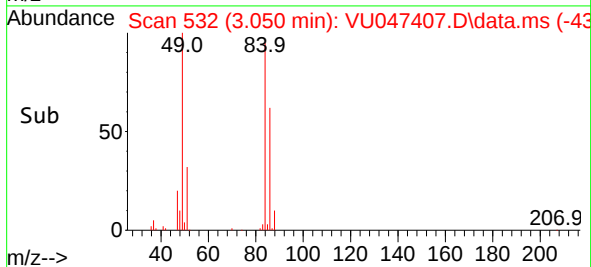
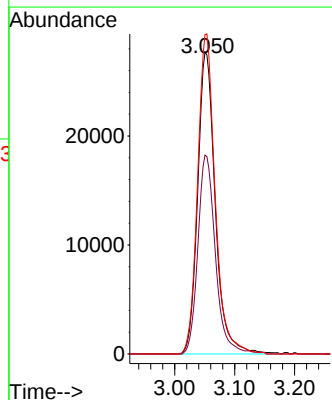
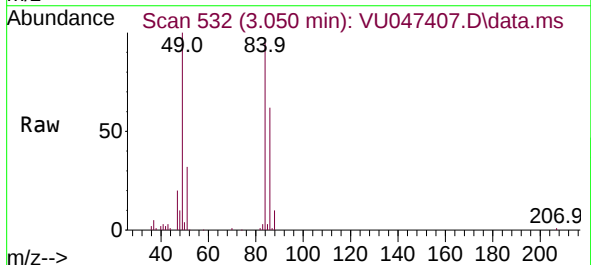
Instrument :  
MSVOA\_U  
ClientSampleId :

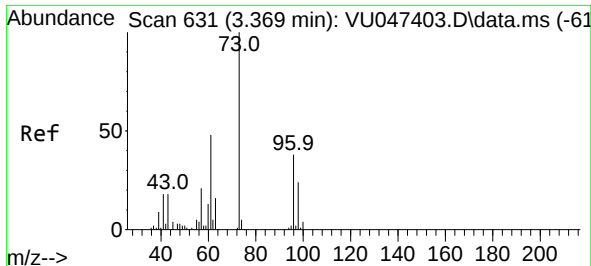
Tgt Ion: 43 Resp: 24117  
Ion Ratio Lower Upper  
43 100  
74 23.1 20.2 30.2



#16  
Methylene chloride  
Concen: 4.609 ug/L  
RT: 3.050 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion: 84 Resp: 56565  
Ion Ratio Lower Upper  
84 100  
86 65.9 45.9 85.3  
49 105.8 76.4 141.8

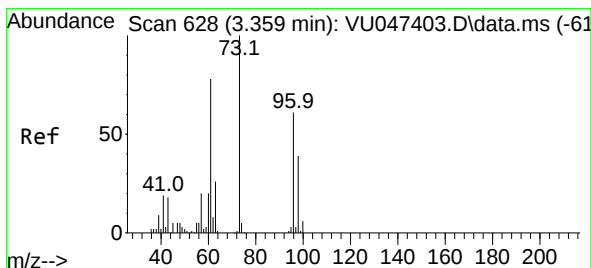
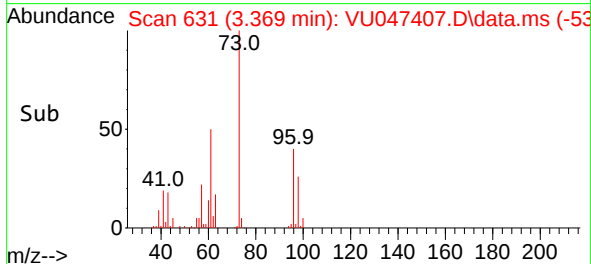
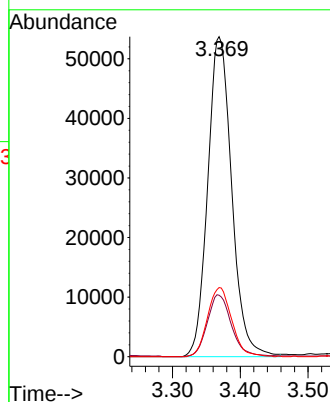
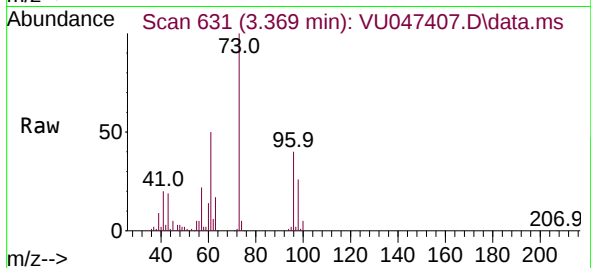




#17  
Methyl tert-butyl Ether  
Concen: 4.984 ug/L  
RT: 3.369 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

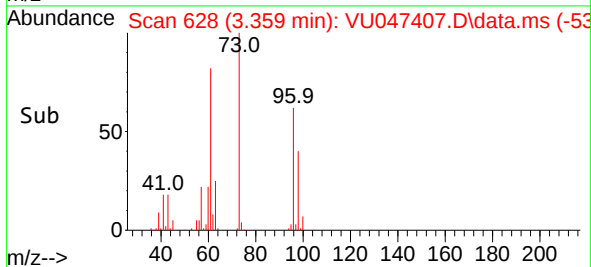
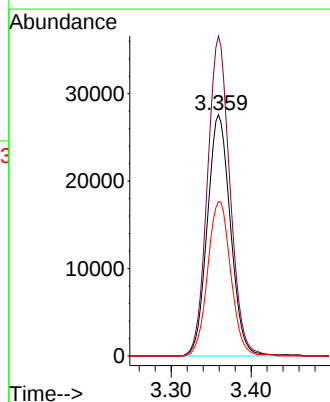
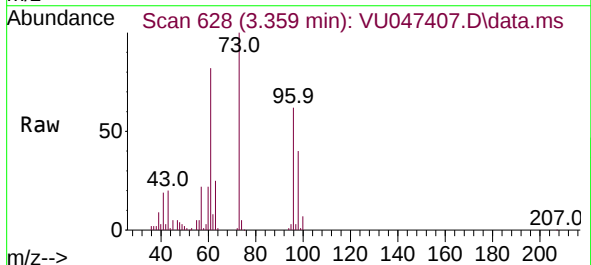
Instrument :  
MSVOA\_U  
ClientSampleId :

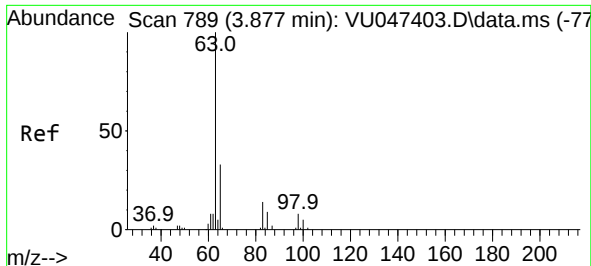
Tgt Ion: 73 Resp: 132156  
Ion Ratio Lower Upper  
73 100  
43 19.5 14.6 22.0  
57 21.8 16.5 24.7



#18  
trans-1,2-Dichloroethene  
Concen: 5.032 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion: 96 Resp: 55392  
Ion Ratio Lower Upper  
96 100  
61 132.6 90.4 167.8  
98 64.0 45.0 83.6





#19

1,1-Dichloroethane

Concen: 5.001 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

ClientSampleId :

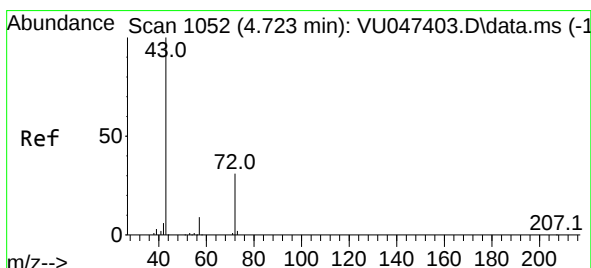
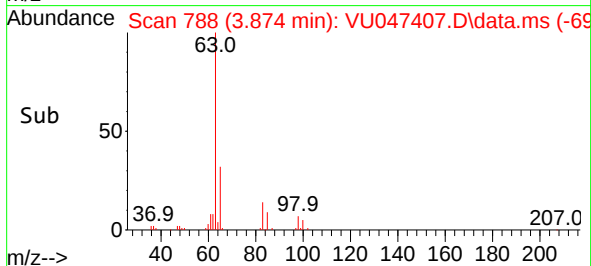
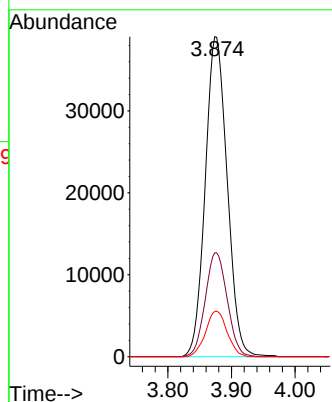
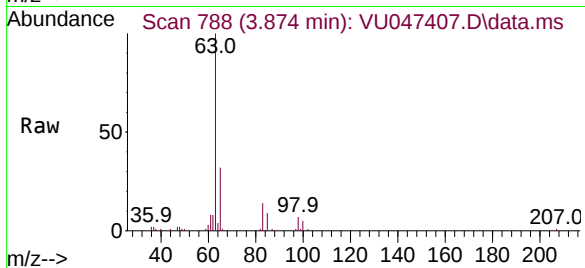
Tgt Ion: 63 Resp: 93616

Ion Ratio Lower Upper

63 100

65 32.5 22.8 42.4

83 14.1 9.9 18.3



#21

2-Butanone

Concen: 50.619 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.003 min

Lab File: VU047407.D

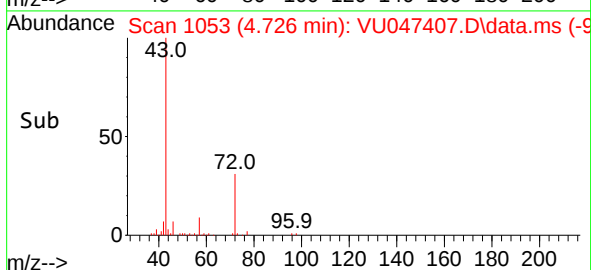
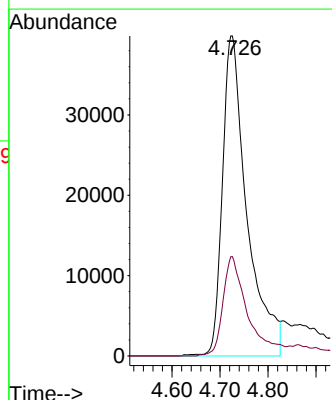
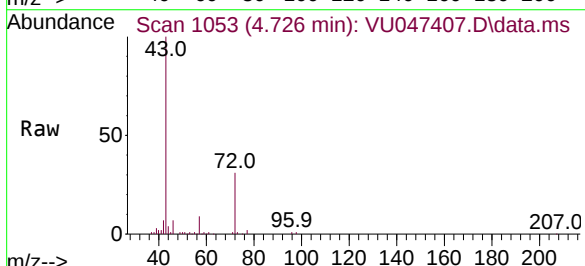
Acq: 09 Mar 2022 15:45

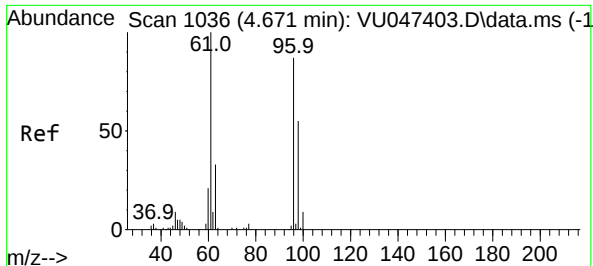
Tgt Ion: 43 Resp: 141623

Ion Ratio Lower Upper

43 100

72 31.4 14.7 44.1





#22

cis-1,2-Dichloroethene

Concen: 5.032 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

ClientSampleId :

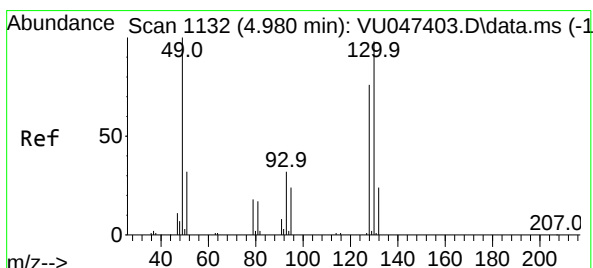
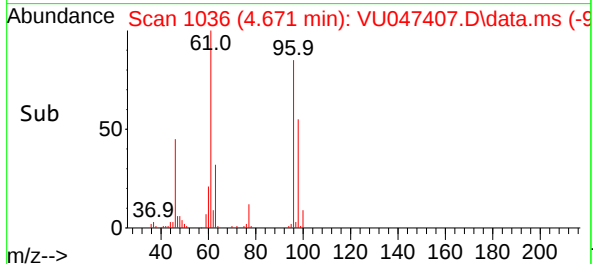
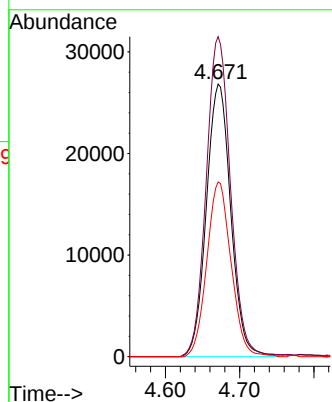
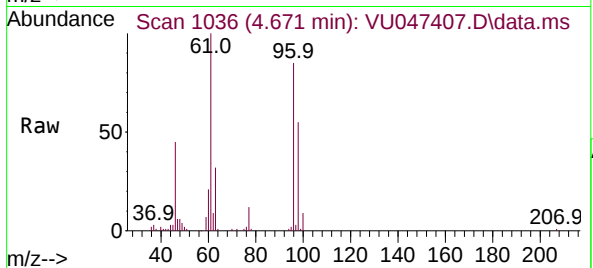
Tgt Ion: 96 Resp: 61380

Ion Ratio Lower Upper

96 100

61 117.4 80.8 150.0

98 64.1 44.7 83.1



#23

Bromochloromethane

Concen: 5.150 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Tgt Ion: 128 Resp: 30015

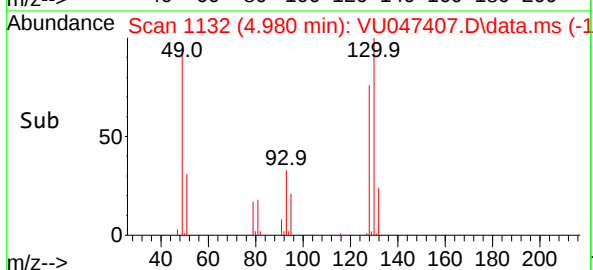
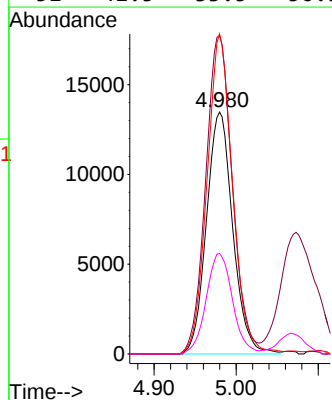
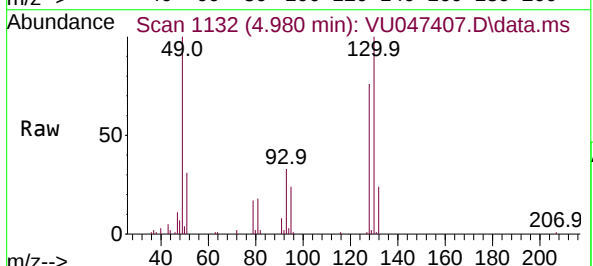
Ion Ratio Lower Upper

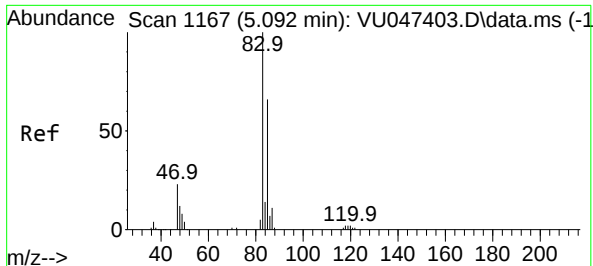
128 100

49 131.6 91.6 170.2

130 132.2 89.6 166.4

51 41.5 33.5 50.3





#25

Chloroform

Concen: 4.987 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

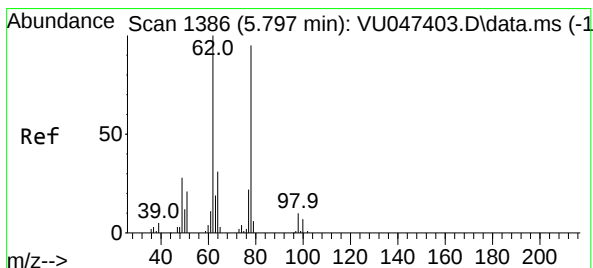
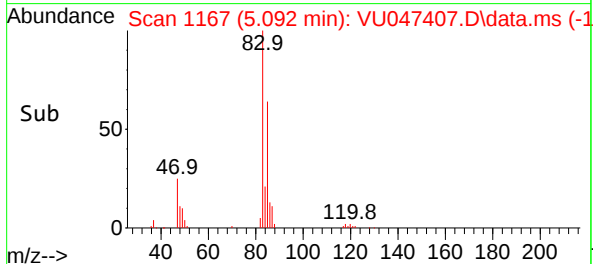
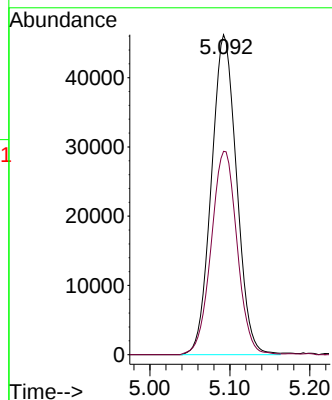
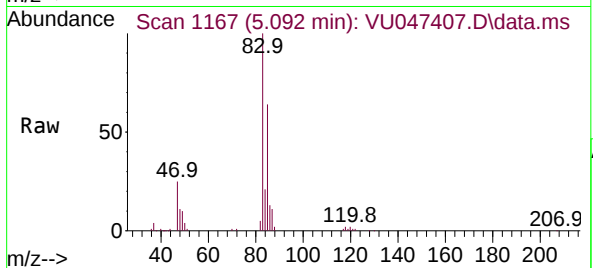
ClientSampleId :

Tgt Ion: 83 Resp: 101093

Ion Ratio Lower Upper

83 100

85 63.6 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.955 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU047407.D

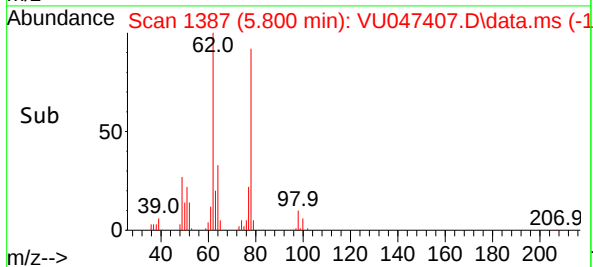
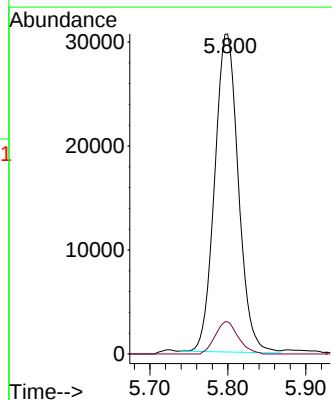
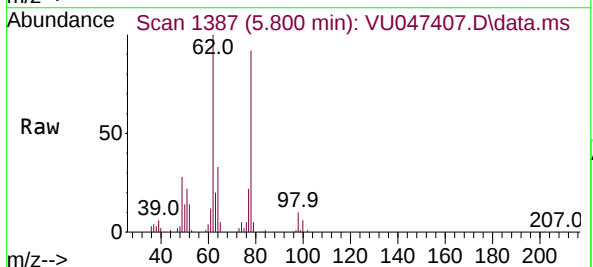
Acq: 09 Mar 2022 15:45

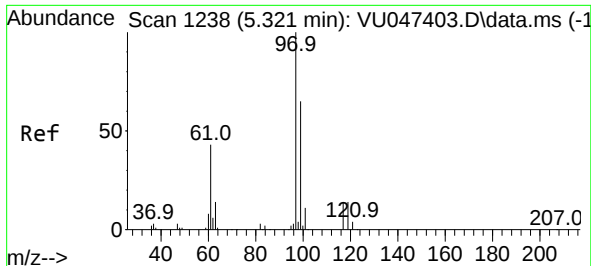
Tgt Ion: 62 Resp: 64660

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.140 ug/L

RT: 5.320 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

ClientSampleId :

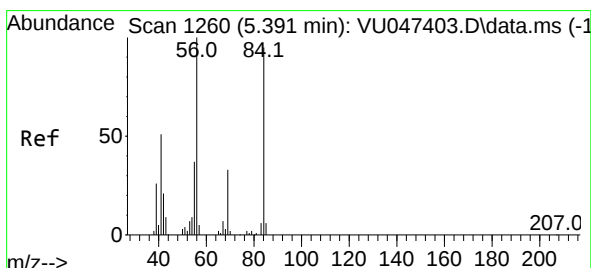
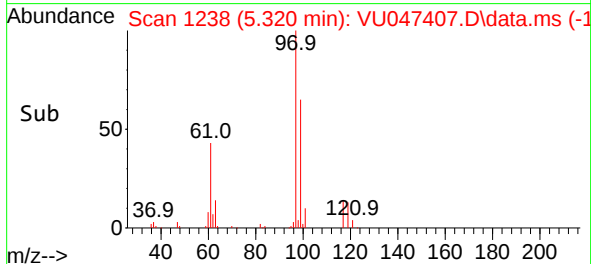
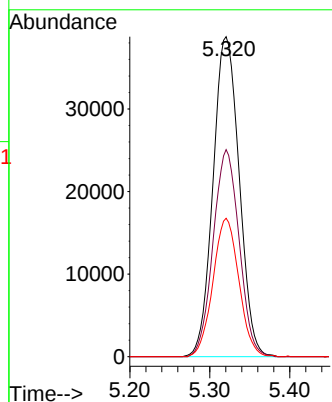
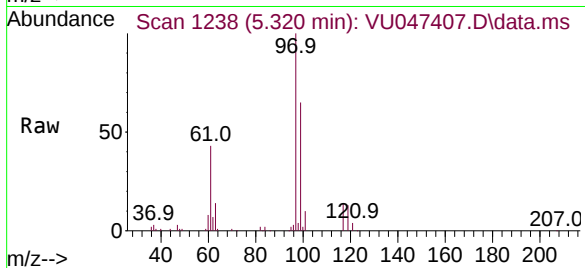
Tgt Ion: 97 Resp: 88074

Ion Ratio Lower Upper

97 100

99 64.2 52.1 78.1

61 42.9 33.8 50.6



#30

Cyclohexane

Concen: 5.155 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

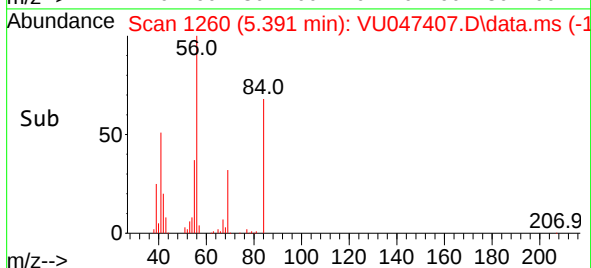
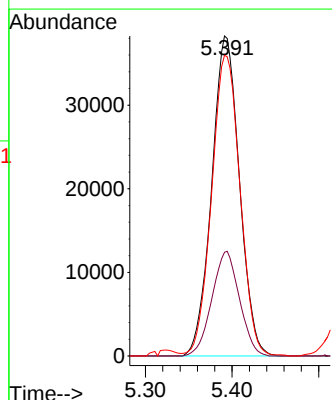
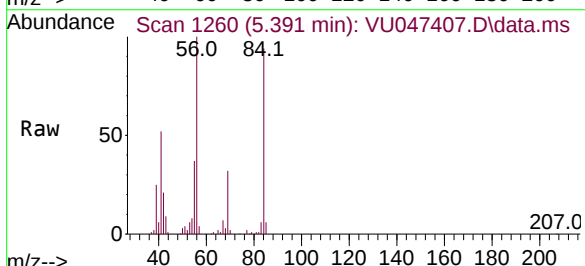
Tgt Ion: 56 Resp: 85094

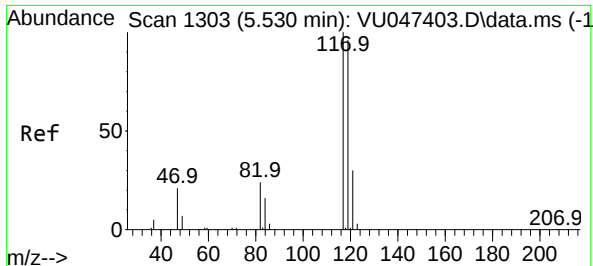
Ion Ratio Lower Upper

56 100

69 32.5 26.0 39.0

84 96.1 76.3 114.5

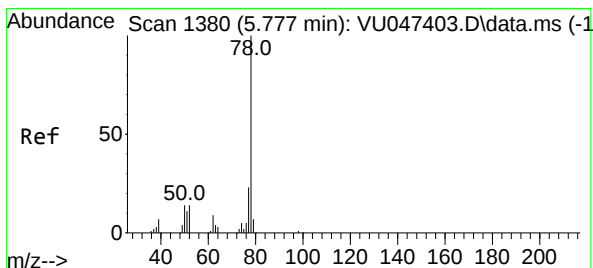
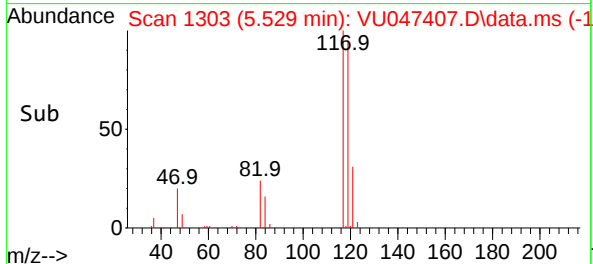
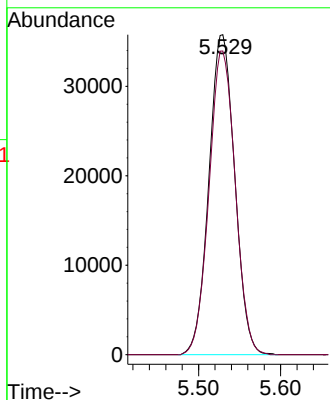
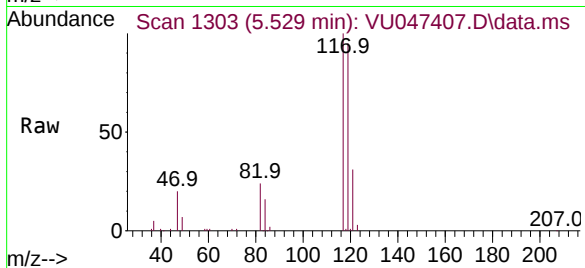




#31  
Carbon tetrachloride  
Concen: 5.201 ug/L  
RT: 5.529 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

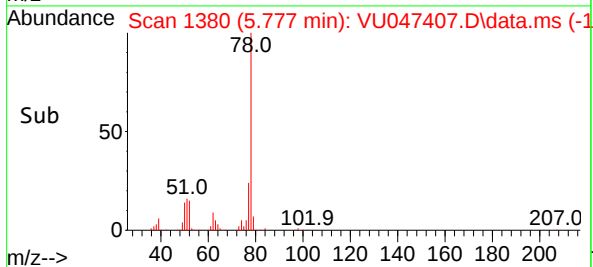
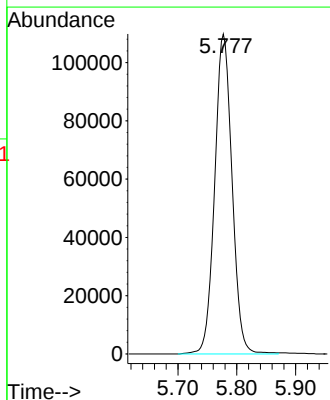
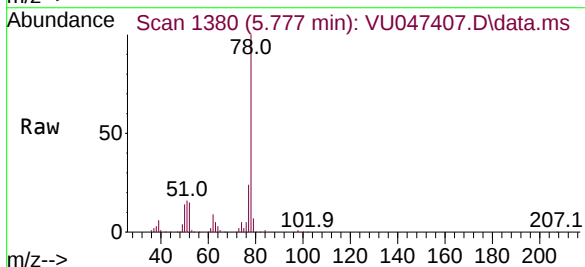
Instrument :  
MSVOA\_U  
ClientSampleId :

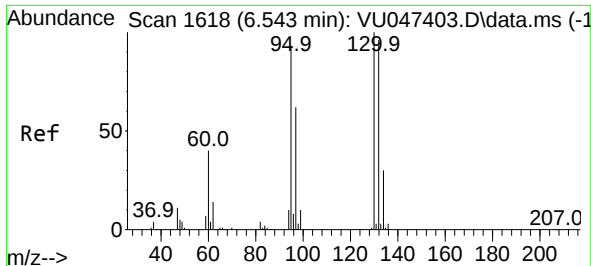
Tgt Ion:117 Resp: 78280  
Ion Ratio Lower Upper  
117 100  
119 96.2 75.8 113.8



#33  
Benzene  
Concen: 5.033 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

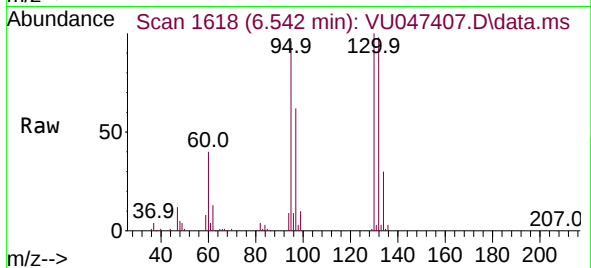
Tgt Ion: 78 Resp: 225465



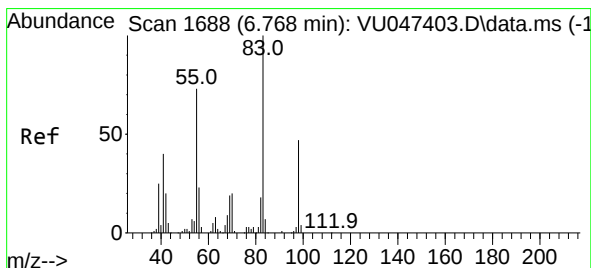
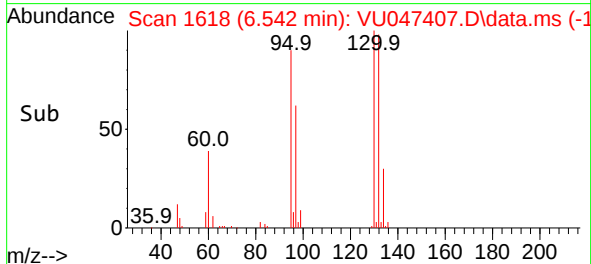
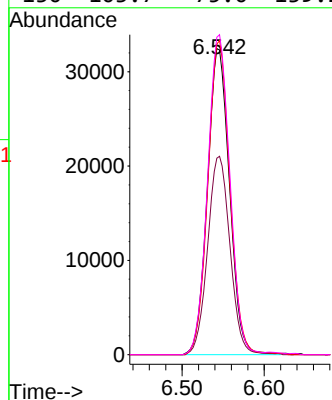


#34  
Trichloroethene  
Concen: 5.074 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Instrument :  
MSVOA\_U  
ClientSampleId :

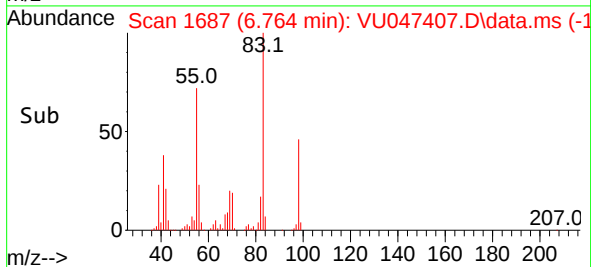
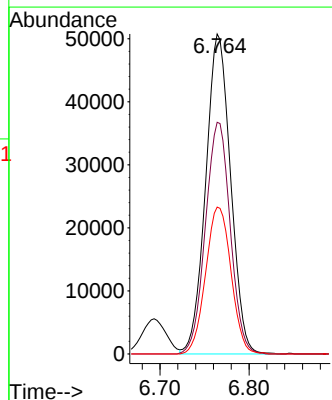
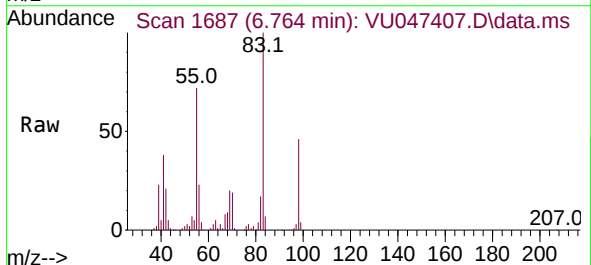


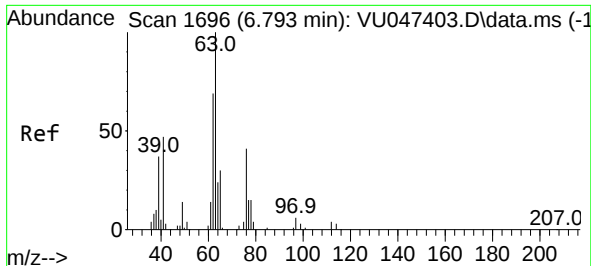
Tgt Ion: 95 Resp: 60755  
Ion Ratio Lower Upper  
95 100  
97 64.2 46.3 85.9  
132 101.5 71.7 133.1  
130 103.7 75.0 139.2



#35  
Methylcyclohexane  
Concen: 5.217 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion: 83 Resp: 98537  
Ion Ratio Lower Upper  
83 100  
55 72.2 57.8 86.8  
98 46.8 38.0 57.0





#37

1,2-Dichloropropane

Concen: 5.135 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

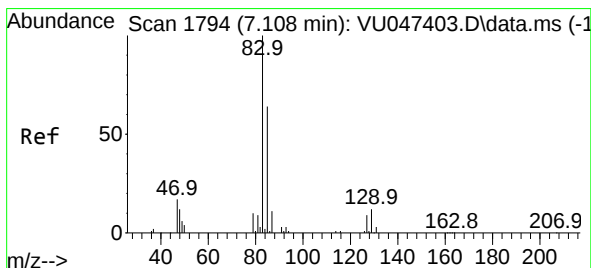
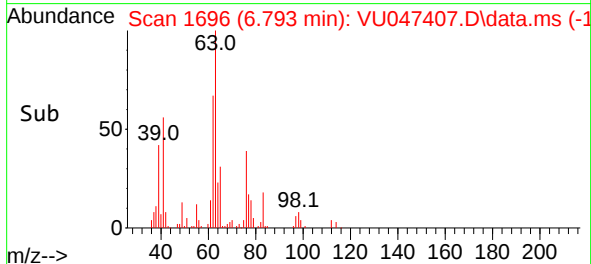
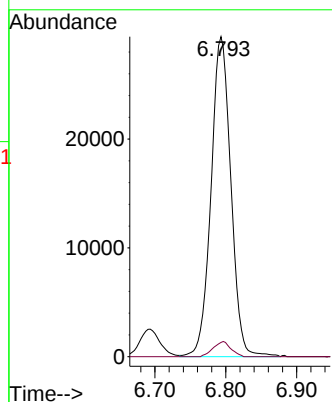
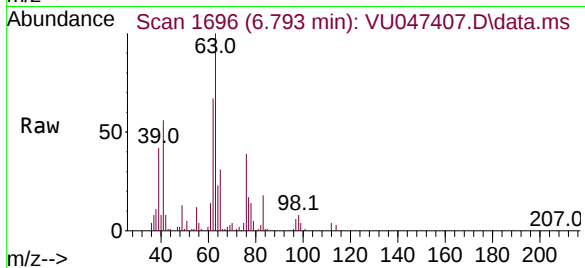
ClientSampleId :

Tgt Ion: 63 Resp: 57289

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 5.020 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

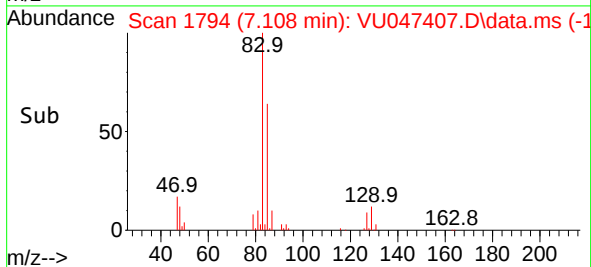
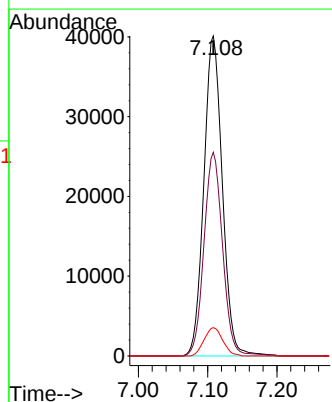
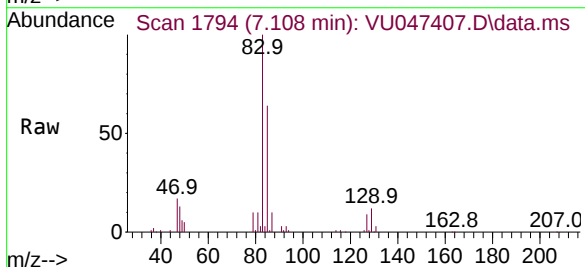
Tgt Ion: 83 Resp: 74345

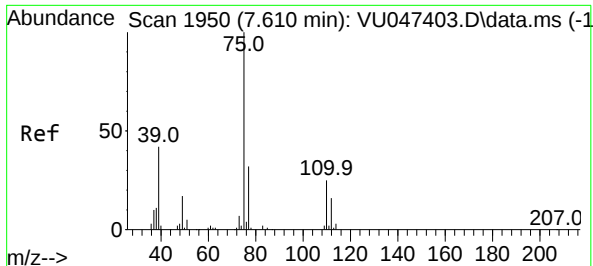
Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6

127 8.8 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 5.293 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

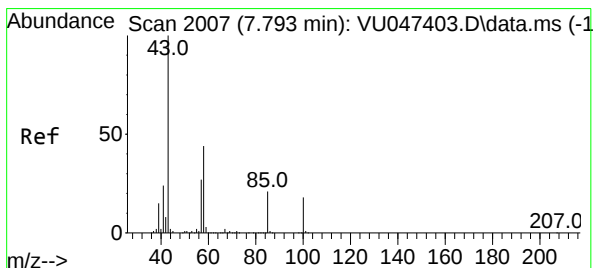
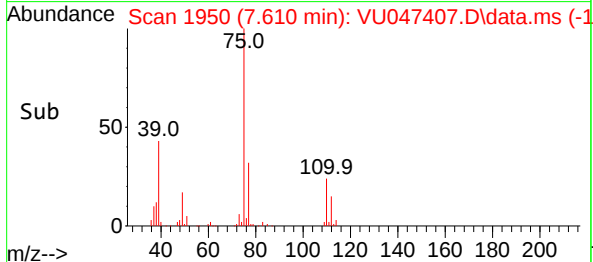
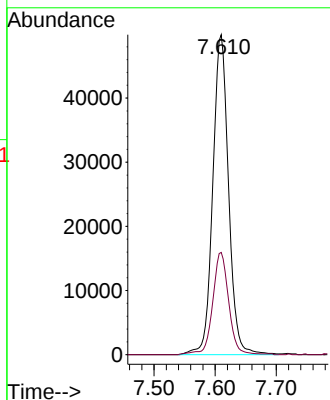
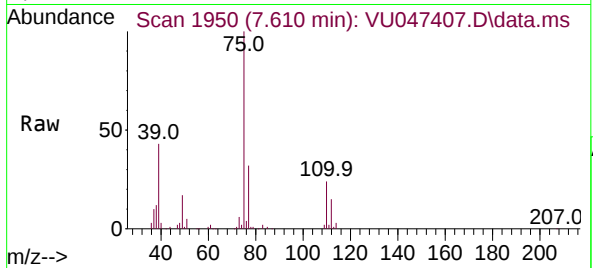
ClientSampleId :

Tgt Ion: 75 Resp: 89515

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 53.303 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

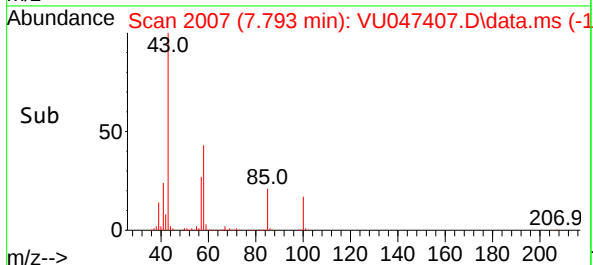
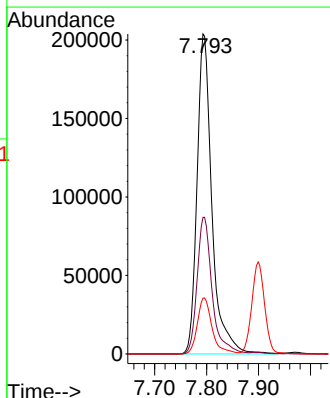
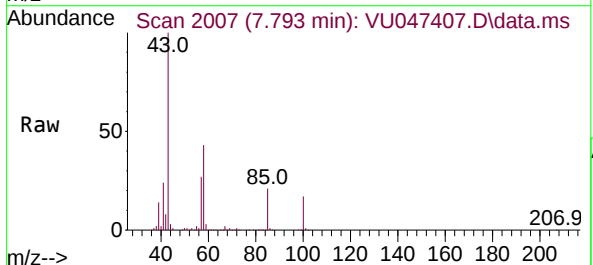
Tgt Ion: 43 Resp: 405348

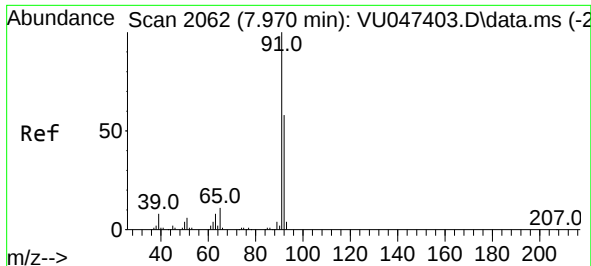
Ion Ratio Lower Upper

43 100

58 43.1 34.8 52.2

100 17.3 14.2 21.4





#42

Toluene

Concen: 5.232 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

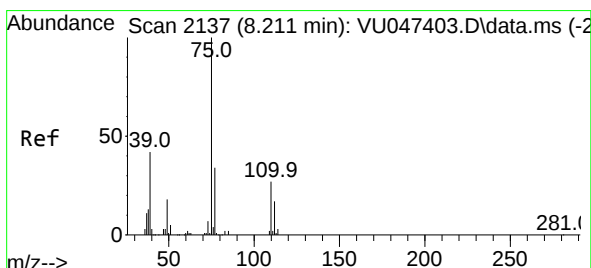
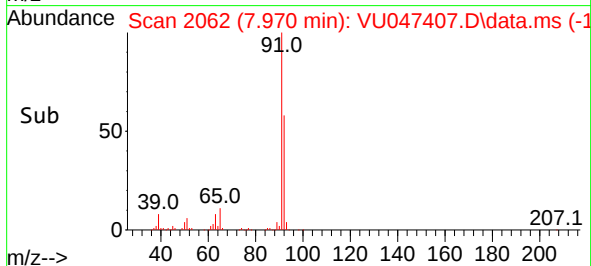
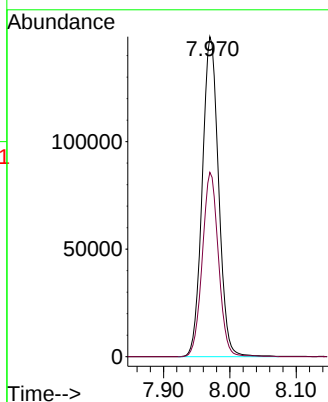
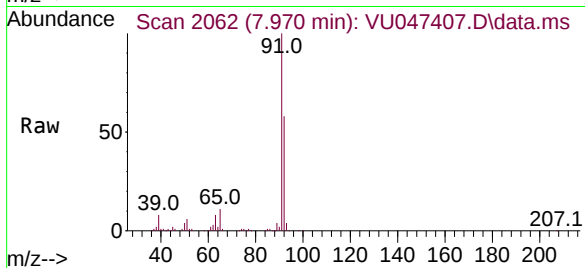
ClientSampleId :

Tgt Ion: 91 Resp: 254590

Ion Ratio Lower Upper

91 100

92 57.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.188 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047407.D

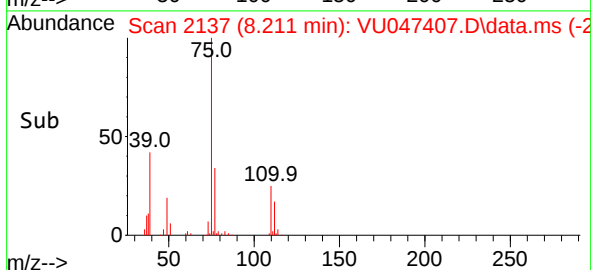
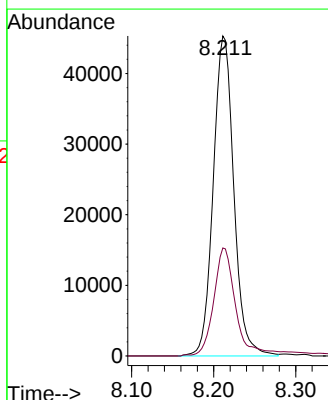
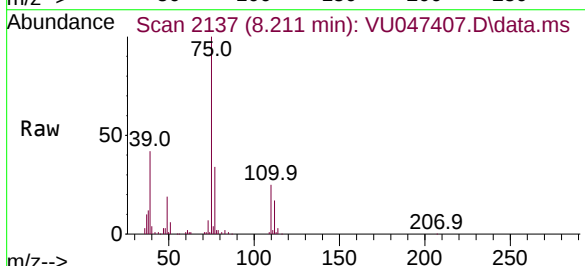
Acq: 09 Mar 2022 15:45

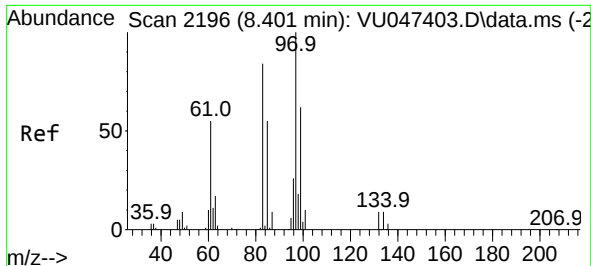
Tgt Ion: 75 Resp: 79135

Ion Ratio Lower Upper

75 100

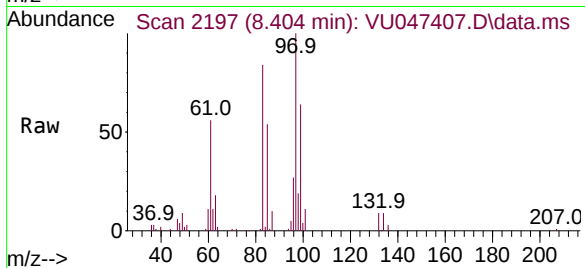
77 33.8 23.6 43.8



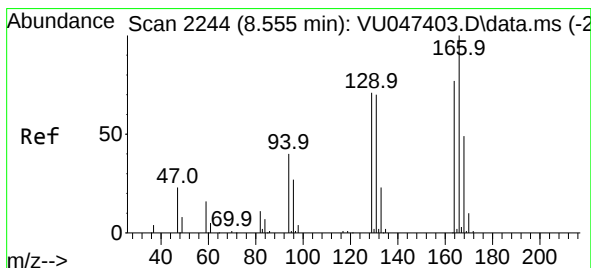
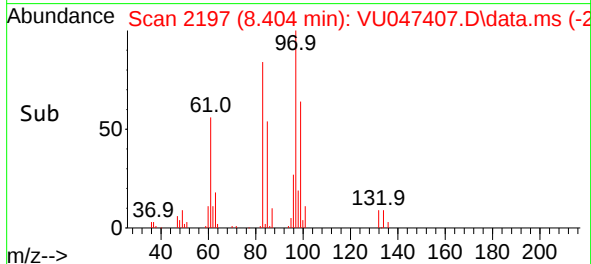
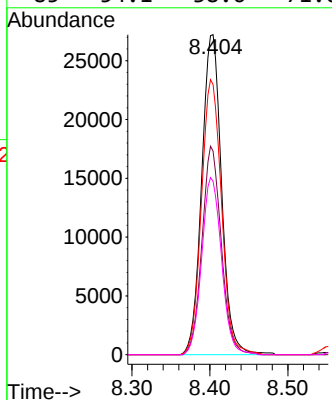


#45  
1,1,2-Trichloroethane  
Concen: 5.274 ug/L  
RT: 8.404 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Instrument :  
MSVOA\_U  
ClientSampleId :

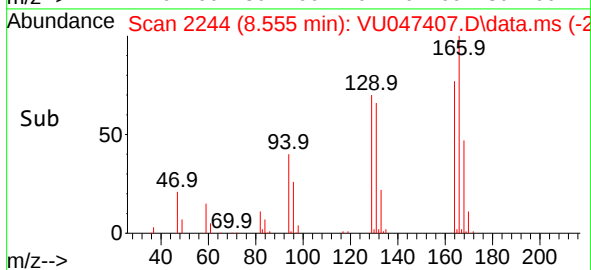
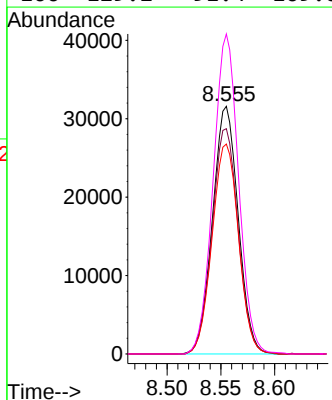
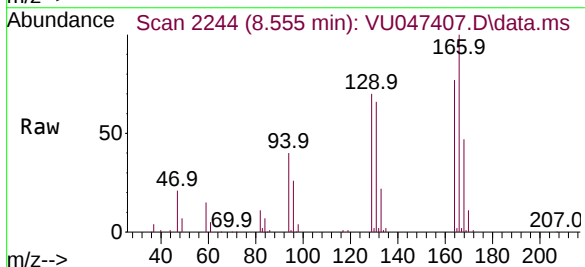


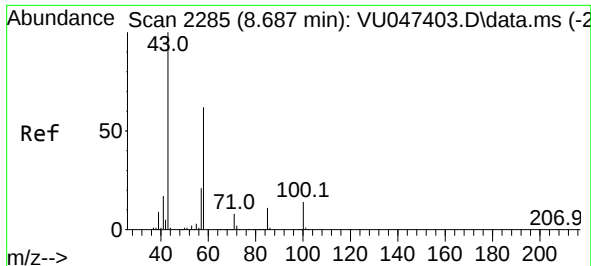
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 48219 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.6     | 43.3 80.5   |
| 83 84.4     | 59.1 109.9  |
| 85 54.1     | 38.6 71.6   |



#47  
Tetrachloroethene  
Concen: 5.181 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

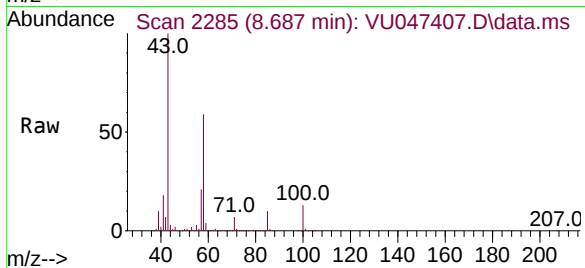
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 52626 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 91.0    | 64.9  | 120.5 |
| 131 | 84.8    | 63.6  | 118.2 |
| 166 | 129.2   | 91.4  | 169.8 |



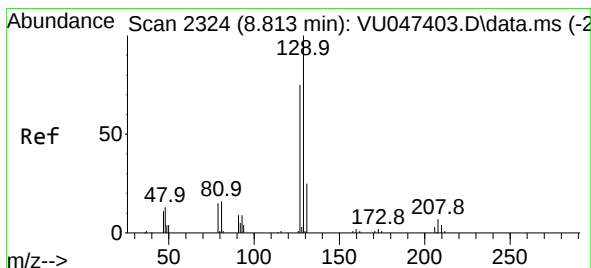
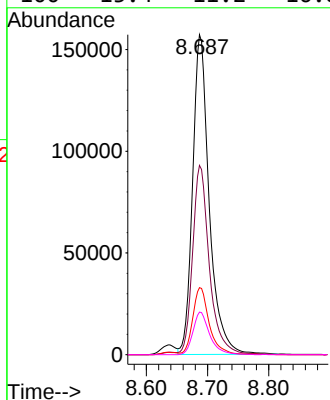
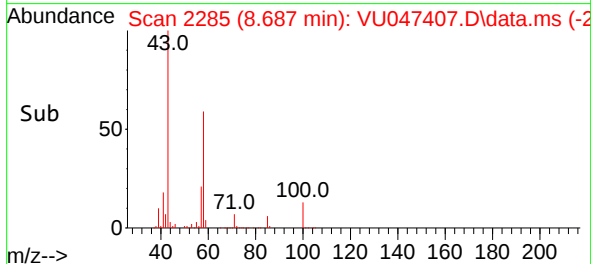


#48  
2-Hexanone  
Concen: 53.902 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Instrument :  
MSVOA\_U  
ClientSampleId :

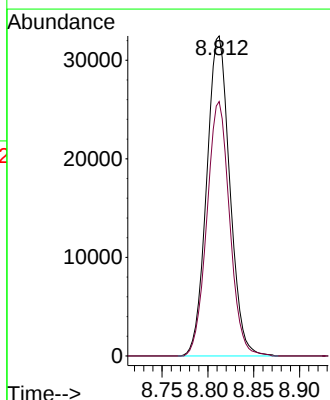
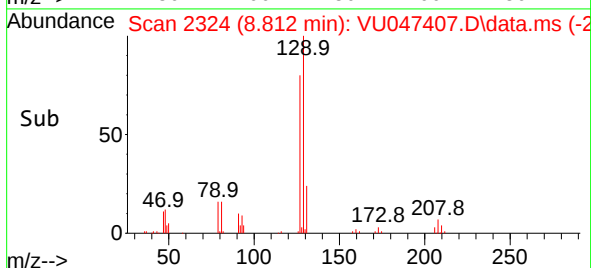
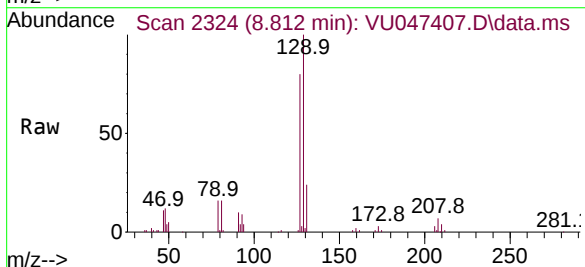


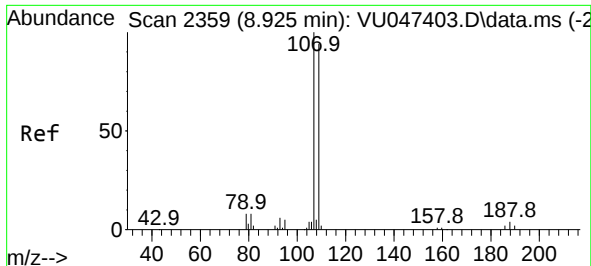
Tgt Ion: 43 Resp: 297389  
Ion Ratio Lower Upper  
43 100  
58 59.8 47.7 71.5  
57 20.5 16.6 25.0  
100 13.4 11.2 16.8



#49  
Dibromochloromethane  
Concen: 5.134 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion: 129 Resp: 57017  
Ion Ratio Lower Upper  
129 100  
127 79.5 52.6 97.8

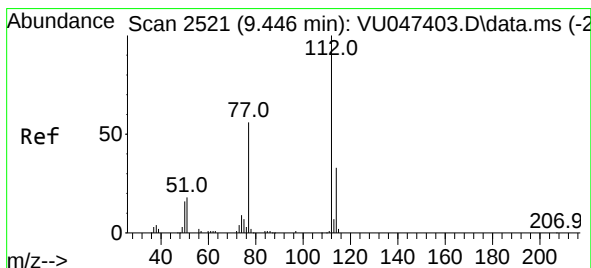
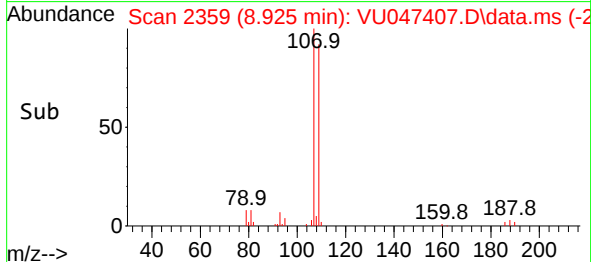
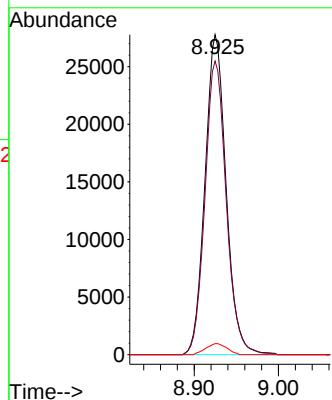
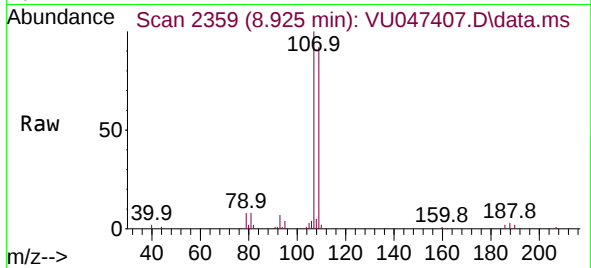




#50  
1,2-Dibromoethane  
Concen: 5.204 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

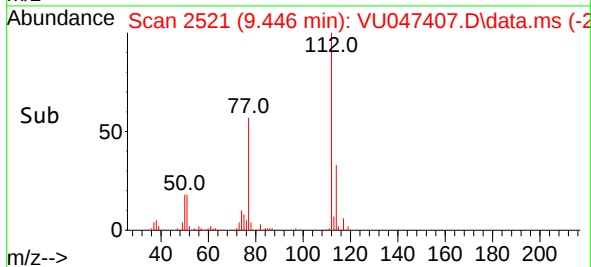
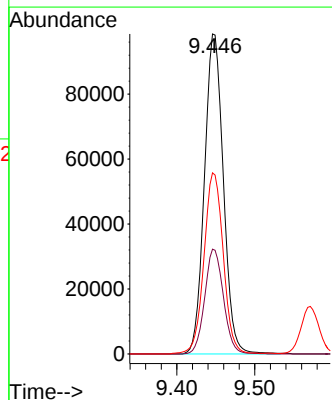
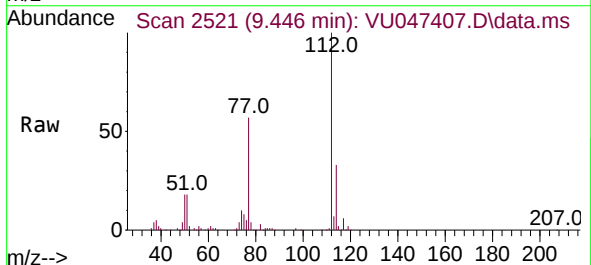
Instrument :  
MSVOA\_U  
ClientSampleId :

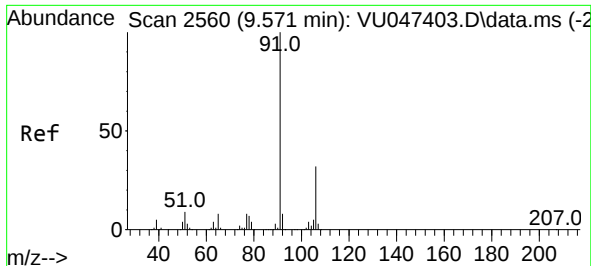
Tgt Ion:107 Resp: 48413  
Ion Ratio Lower Upper  
107 100  
109 91.8 65.8 122.2  
188 3.4 3.3 4.9



#51  
Chlorobenzene  
Concen: 5.111 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion:112 Resp: 166369  
Ion Ratio Lower Upper  
112 100  
114 32.8 22.8 42.4  
77 56.6 45.0 67.6





#52

Ethylbenzene

Concen: 5.217 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

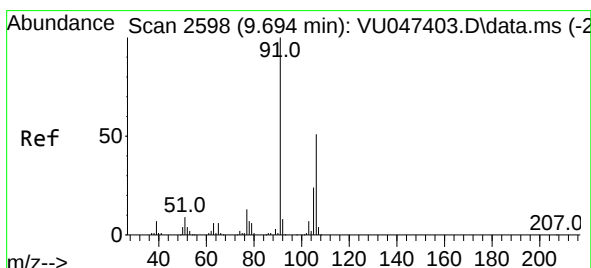
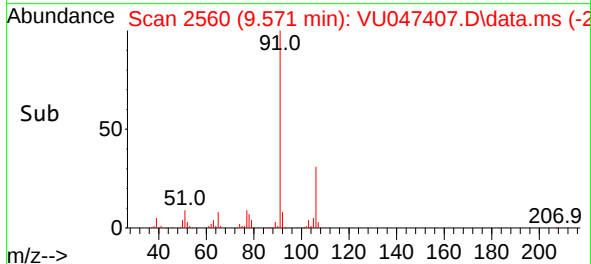
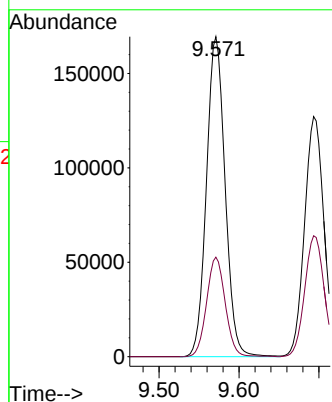
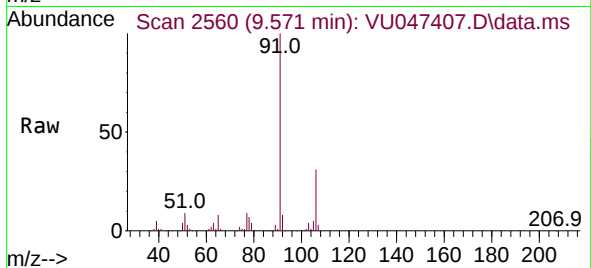
ClientSampleId :

Tgt Ion: 91 Resp: 274921

Ion Ratio Lower Upper

91 100

106 31.1 22.4 41.6



#53

m,p-Xylene

Concen: 5.286 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU047407.D

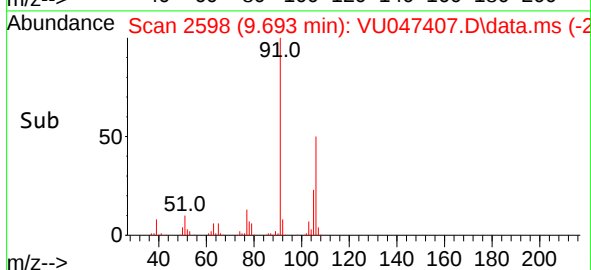
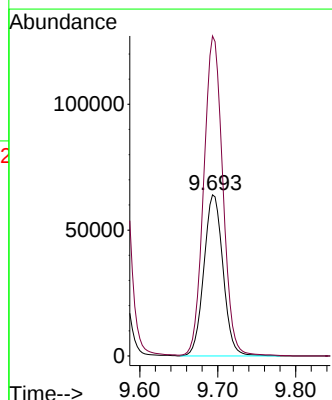
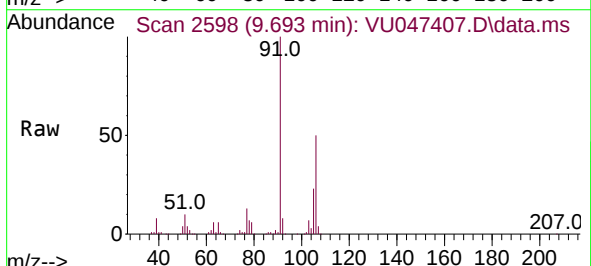
Acq: 09 Mar 2022 15:45

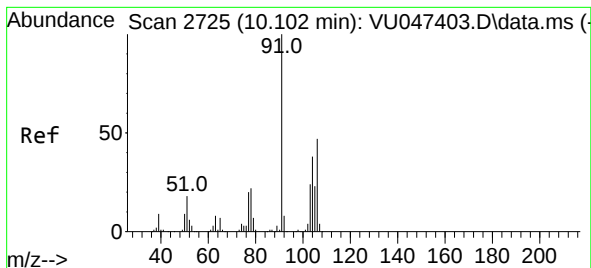
Tgt Ion:106 Resp: 109287

Ion Ratio Lower Upper

106 100

91 198.6 138.8 257.8





#54

o-Xylene

Concen: 5.169 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.000 min

Lab File: VU047407.D

Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

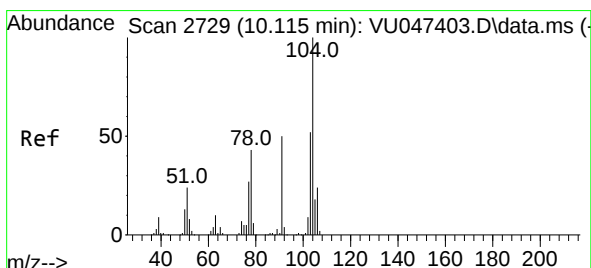
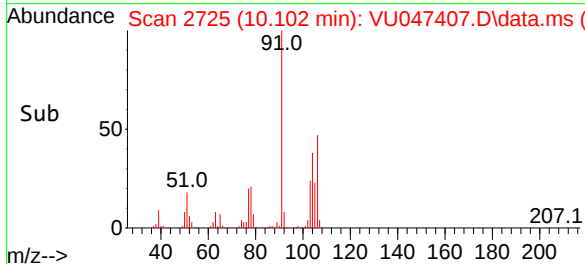
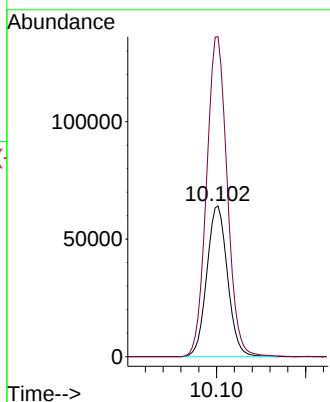
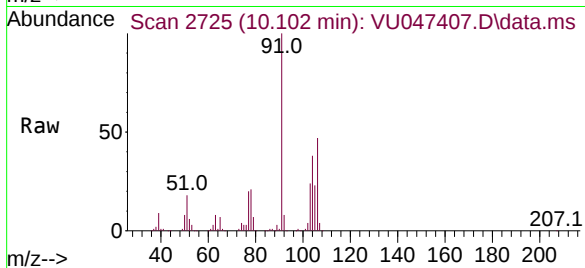
ClientSampleId :

Tgt Ion:106 Resp: 103538

Ion Ratio Lower Upper

106 100

91 212.4 149.2 277.0



#55

Styrene

Concen: 5.220 ug/L

RT: 10.114 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU047407.D

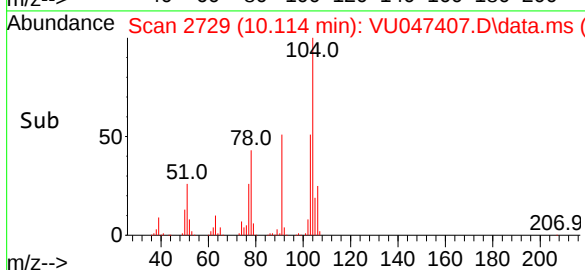
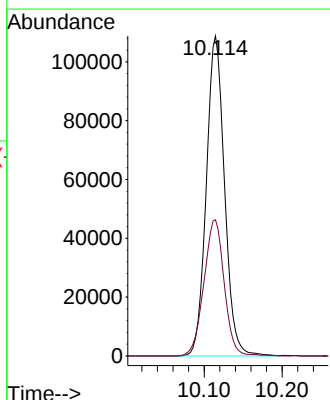
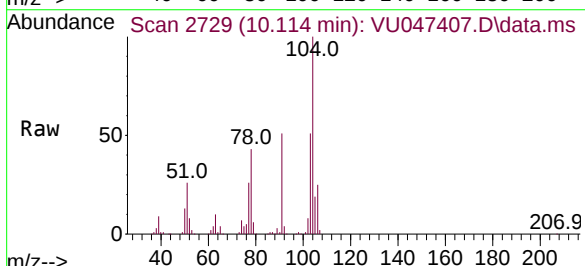
Acq: 09 Mar 2022 15:45

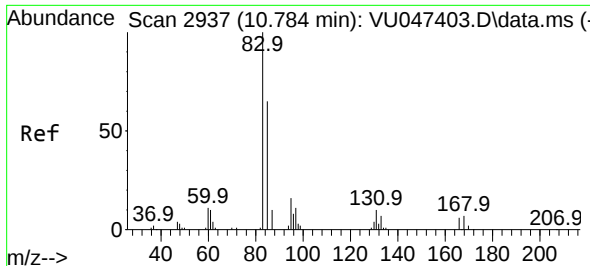
Tgt Ion:104 Resp: 176753

Ion Ratio Lower Upper

104 100

78 42.5 30.4 56.4





#57

1,1,2-Tetrachloroethane

Concen: 5.068 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU047407.D

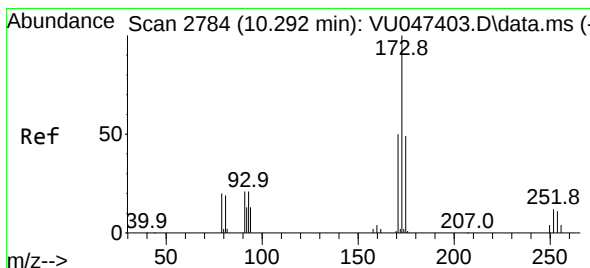
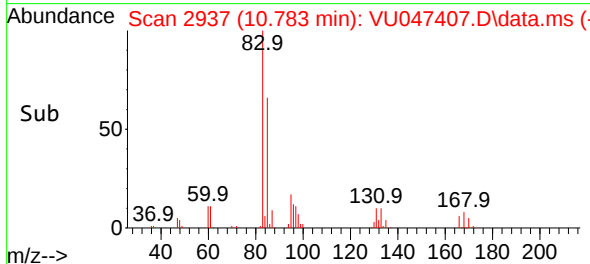
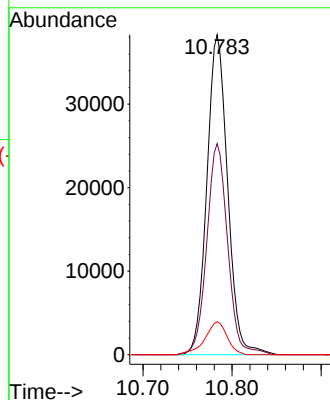
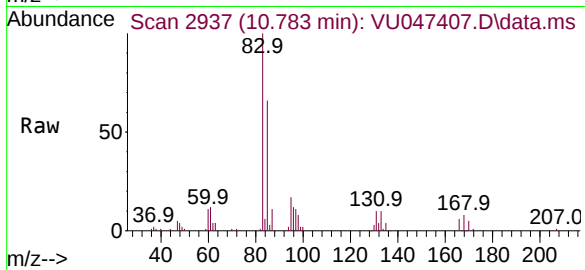
Acq: 09 Mar 2022 15:45

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 62029 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 66.0  | 46.0  | 85.4  |
| 131       | 10.3  | 8.2   | 12.4  |



#59

Bromoform

Concen: 5.154 ug/L

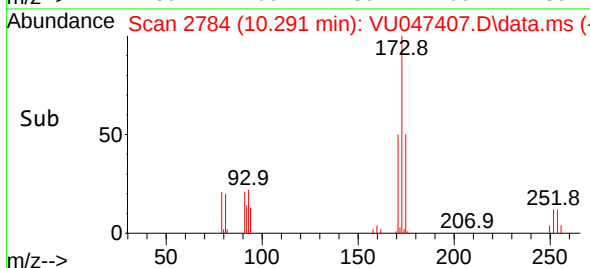
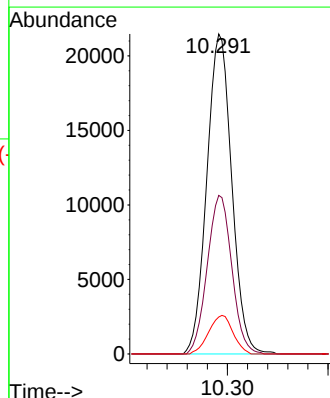
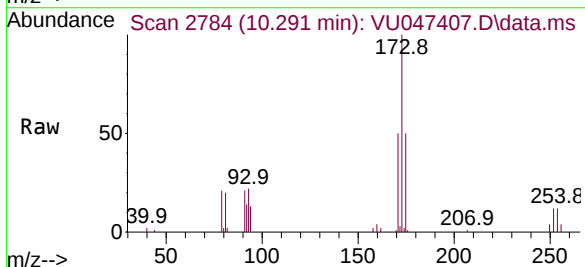
RT: 10.291 min Scan# 2784

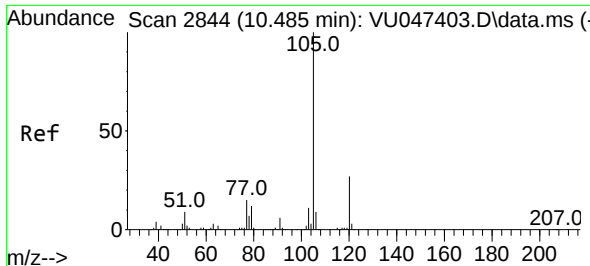
Delta R.T. -0.000 min

Lab File: VU047407.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 36889 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.8  | 38.7  | 58.1  |
| 254       | 11.8  | 9.0   | 13.4  |

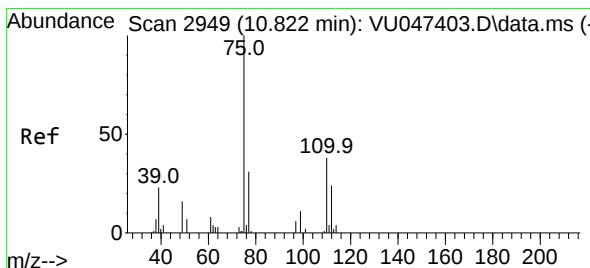
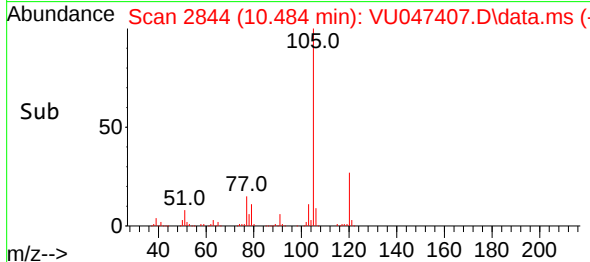
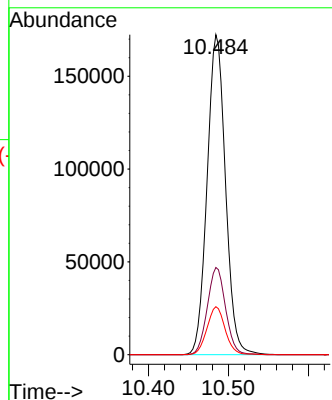
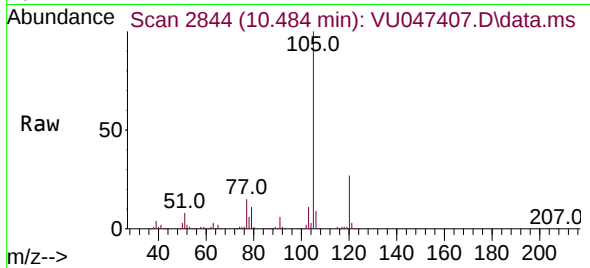




#60  
Isopropylbenzene  
Concen: 5.184 ug/L  
RT: 10.484 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

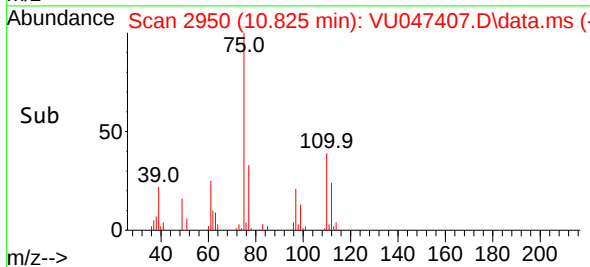
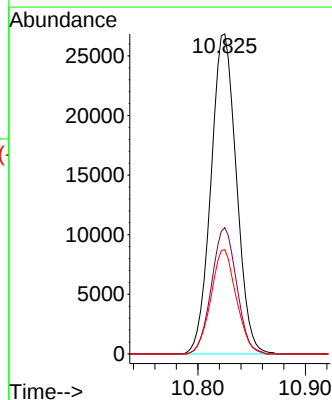
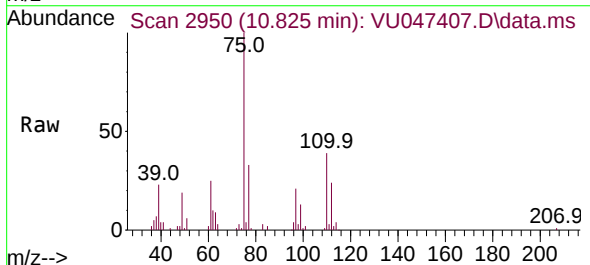
Instrument :  
MSVOA\_U  
ClientSampleId :

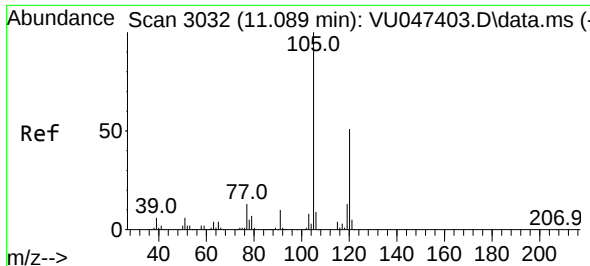
Tgt Ion:105 Resp: 275755  
Ion Ratio Lower Upper  
105 100  
120 27.1 21.8 32.6  
77 14.9 12.2 18.2



#61  
1,2,3-Trichloropropane  
Concen: 5.005 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion: 75 Resp: 44075  
Ion Ratio Lower Upper  
75 100  
110 38.9 31.0 46.4  
77 32.6 26.2 39.4

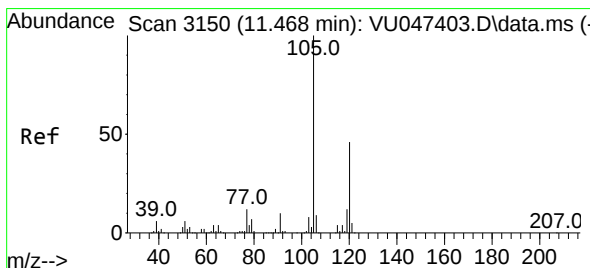
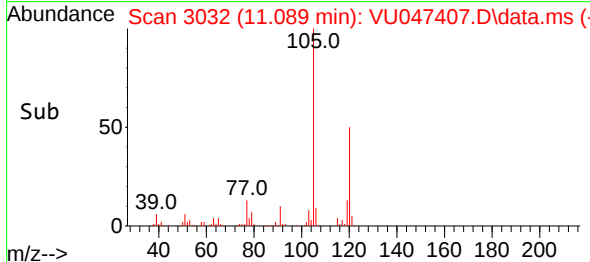
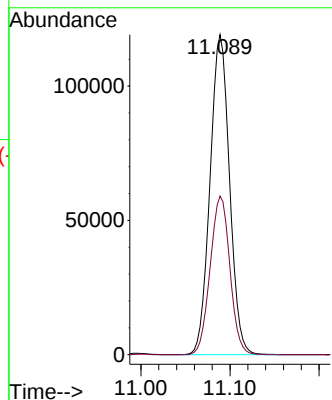
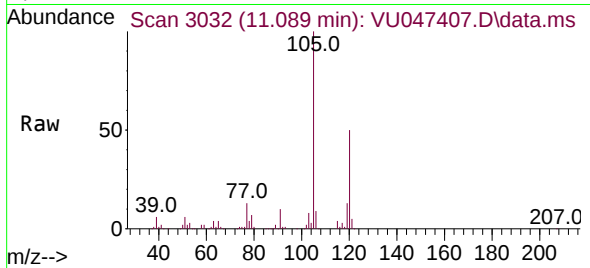




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.190 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. -0.000 min  
 Lab File: VU047407.D  
 Acq: 09 Mar 2022 15:45

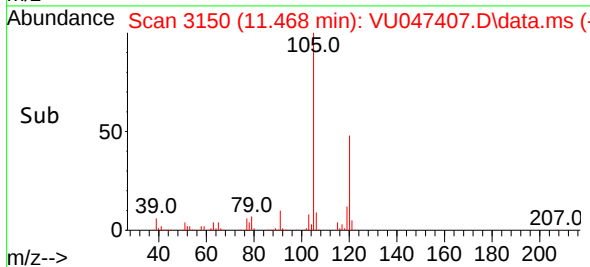
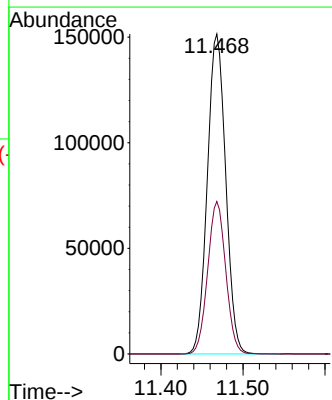
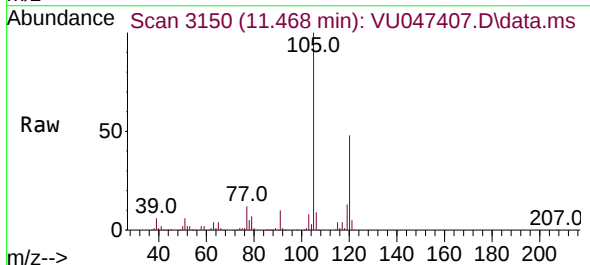
Instrument :  
 MSVOA\_U  
 ClientSampleId :

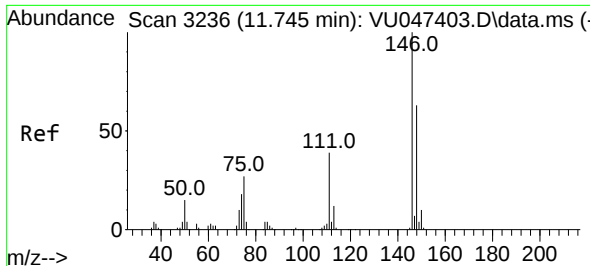
Tgt Ion:105 Resp: 181066  
 Ion Ratio Lower Upper  
 105 100  
 120 50.0 40.1 60.1



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.196 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. -0.000 min  
 Lab File: VU047407.D  
 Acq: 09 Mar 2022 15:45

Tgt Ion:105 Resp: 235151  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 37.2 55.8

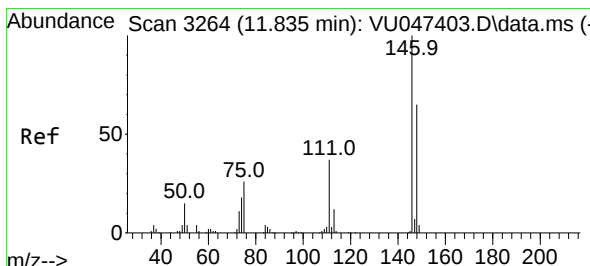
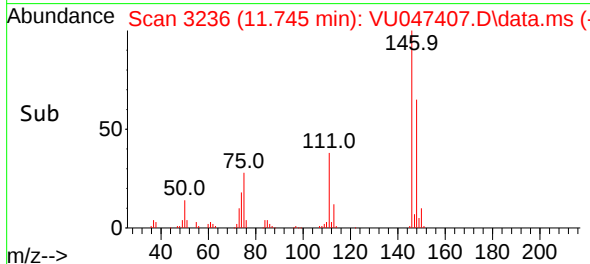
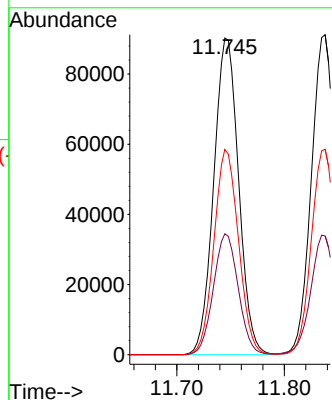
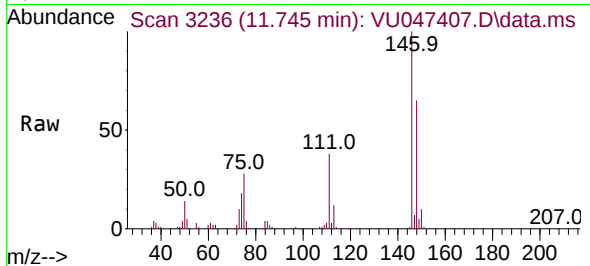




#64  
1,3-Dichlorobenzene  
Concen: 5.151 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

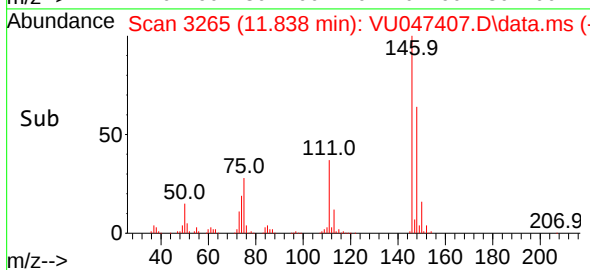
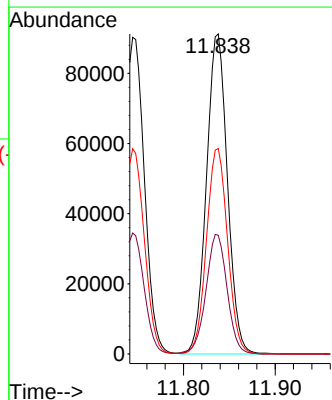
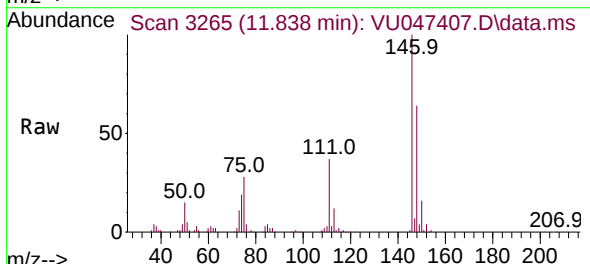
Instrument :  
MSVOA\_U  
ClientSampleId :

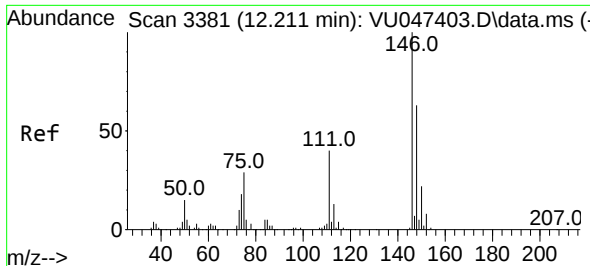
Tgt Ion:146 Resp: 145218  
Ion Ratio Lower Upper  
146 100  
111 38.2 27.0 50.2  
148 64.8 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 5.063 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion:146 Resp: 144943  
Ion Ratio Lower Upper  
146 100  
111 37.1 26.1 48.5  
148 64.2 45.6 84.6

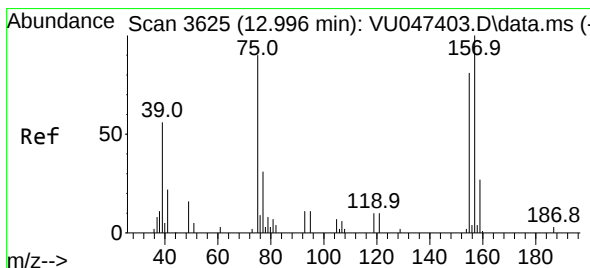
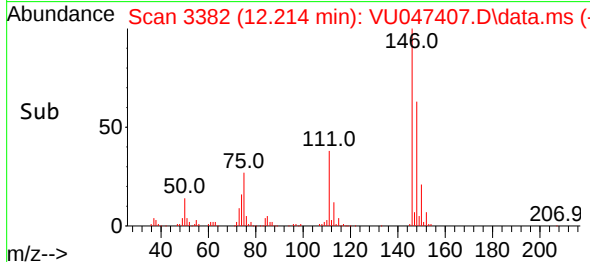
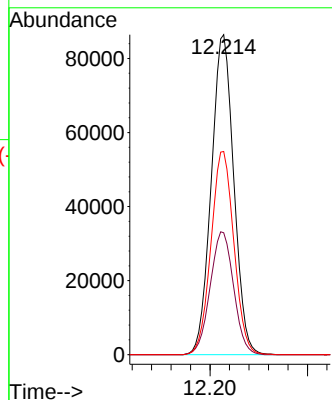
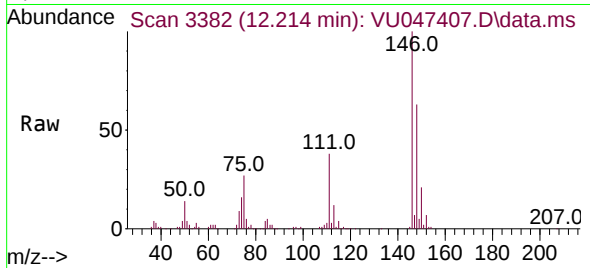




#67  
1,2-Dichlorobenzene  
Concen: 5.113 ug/L  
RT: 12.214 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

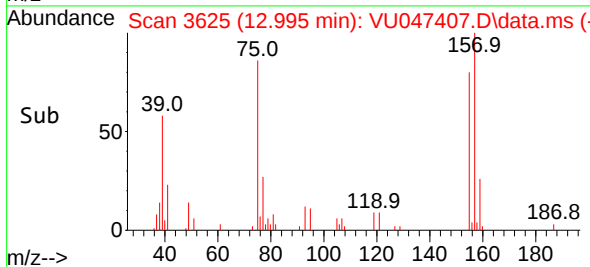
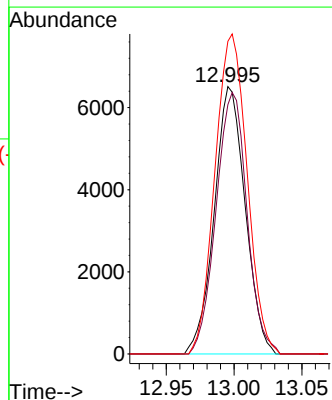
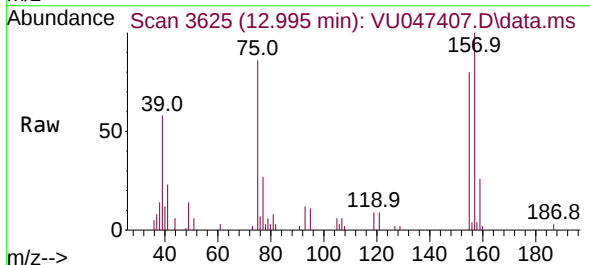
Instrument :  
MSVOA\_U  
ClientSampleId :

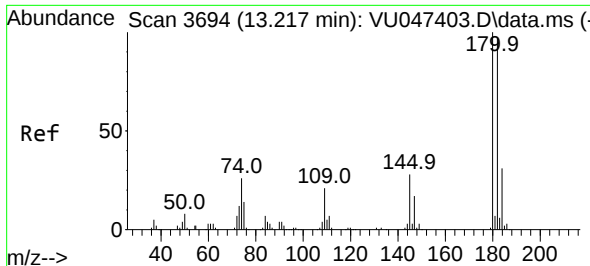
Tgt Ion:146 Resp: 138493  
Ion Ratio Lower Upper  
146 100  
111 38.1 31.9 47.9  
148 63.5 50.5 75.7



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.212 ug/L  
RT: 12.995 min Scan# 3625  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

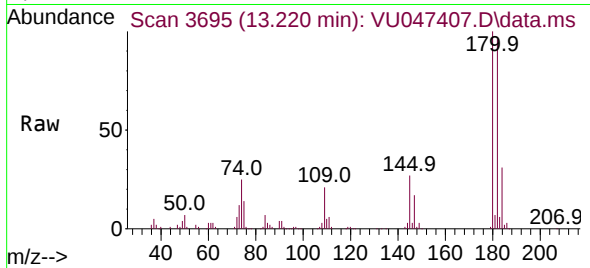
Tgt Ion: 75 Resp: 10347  
Ion Ratio Lower Upper  
75 100  
155 93.2 71.3 106.9  
157 116.9 88.6 132.8



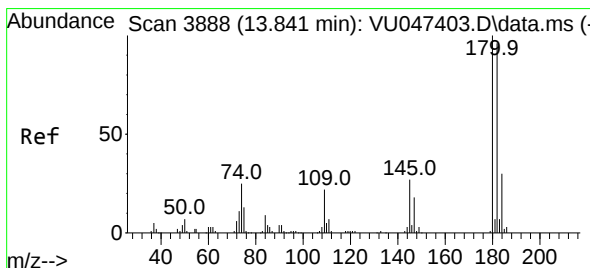
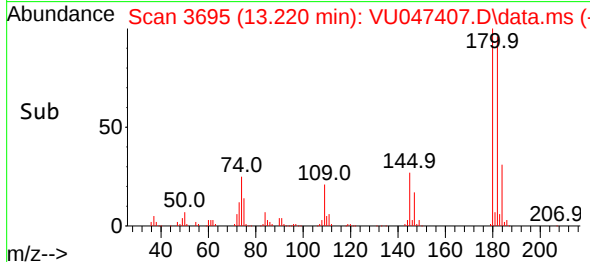
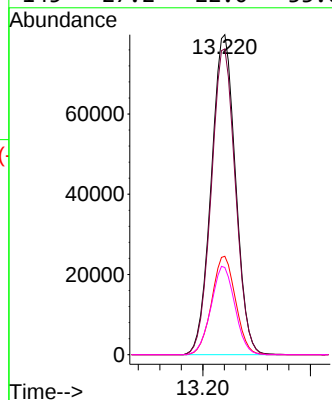


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.397 ug/L  
 RT: 13.220 min Scan# 3695  
 Delta R.T. 0.003 min  
 Lab File: VU047407.D  
 Acq: 09 Mar 2022 15:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :

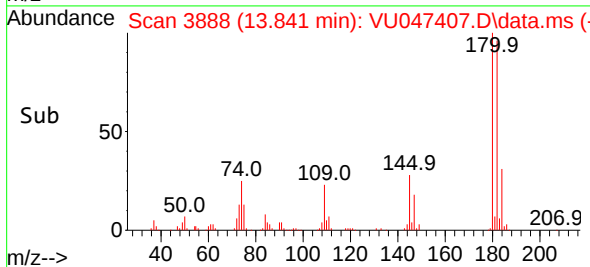
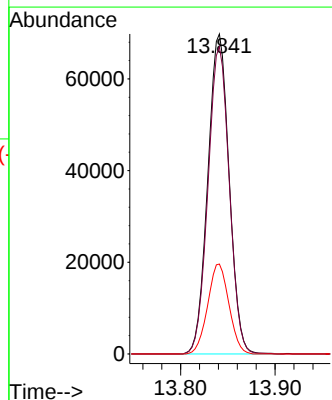
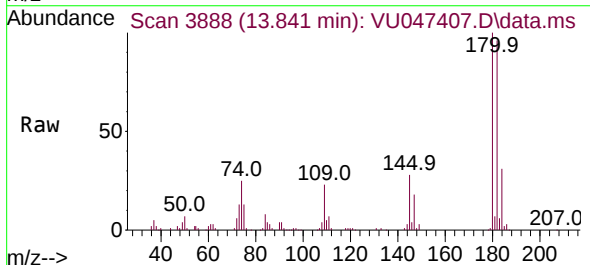


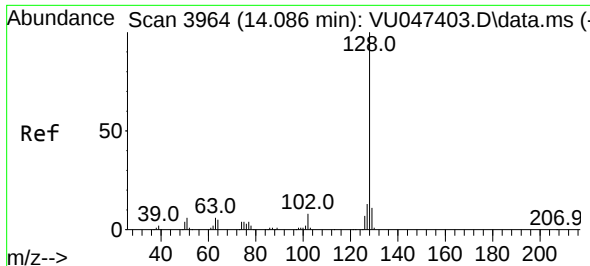
Tgt Ion:180 Resp: 124788  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 77.1 115.7  
 184 30.3 25.0 37.4  
 145 27.2 22.0 33.0



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.314 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. -0.000 min  
 Lab File: VU047407.D  
 Acq: 09 Mar 2022 15:45

Tgt Ion:180 Resp: 109516  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 76.6 114.8  
 145 28.0 22.4 33.6

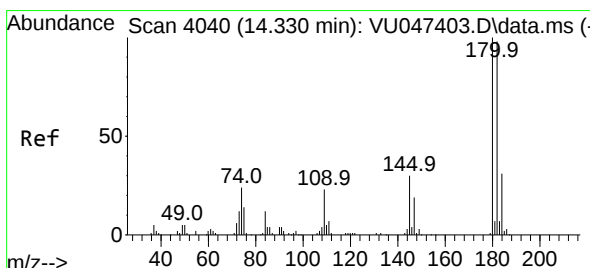
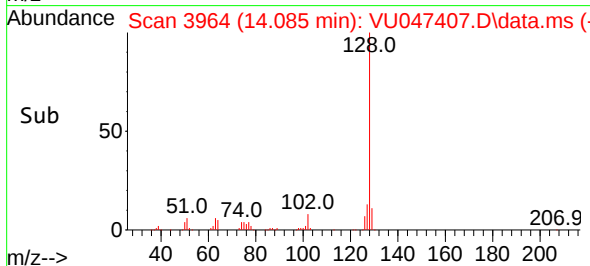
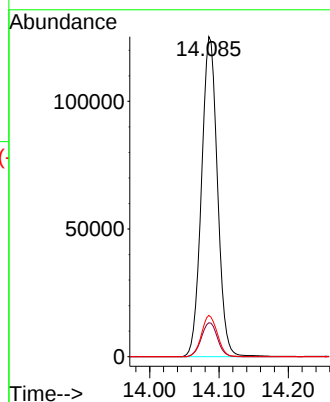
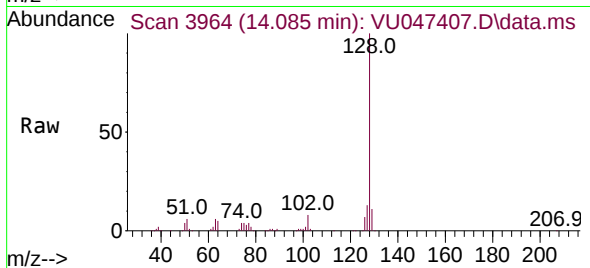




#71  
Naphthalene  
Concen: 5.437 ug/L  
RT: 14.085 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 200450  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 13.0  
127 12.8 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.349 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU047407.D  
Acq: 09 Mar 2022 15:45

Tgt Ion:180 Resp: 101097  
Ion Ratio Lower Upper  
180 100  
182 97.2 77.0 115.6  
145 29.5 23.4 35.2

