

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U030922\  
 Data File : U047451.D  
 Acq On : 10 Mar 2022 11:10  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005093

Quant Time: Mar 11 00:18:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 03:57:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 146771   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 141971   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 77177    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 39526    | 4.965    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.400%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 30389    | 5.200    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.000% |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 18040    | 5.131    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 102.600% |
| 20) 2-Butanone-d5             | 4.645  | 46    | 77658    | 54.795   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.600% |
| 24) Chloroform-d              | 5.067  | 84    | 68238    | 5.381    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.600% |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 33060    | 5.148    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.000% |
| 32) Benzene-d6                | 5.732  | 84    | 137088   | 5.133    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.600% |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 40746    | 5.158    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.200% |
| 41) Toluene-d8                | 7.899  | 98    | 133642   | 5.091    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.800% |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 16551    | 4.934    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.600%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 78068    | 52.835   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 105.660% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 35744    | 5.192    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 51046    | 5.217    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 55957    | 5.092    | ug/L   | 98       |
| 3) Chloromethane              | 1.523  | 50    | 53966    | 4.918    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607  | 62    | 57232    | 5.302    | ug/L   | 100      |
| 6) Bromomethane               | 1.861  | 94    | 17665    | 2.870    | ug/L   | 100      |
| 8) Chloroethane               | 1.941  | 64    | 35882    | 5.473    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 74203    | 5.217    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 44948    | 5.119    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 44852    | 5.205    | ug/L   | # 86     |
| 13) Acetone                   | 2.661  | 43    | 68508    | 52.612   | ug/L   | 93       |
| 14) Carbon disulfide          | 2.800  | 76    | 135518   | 5.123    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.964  | 43    | 19003    | 5.523    | ug/L   | 100      |
| 16) Methylene chloride        | 3.054  | 84    | 53591    | 5.210    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 122111   | 5.495    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 48530    | 5.260    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 85709    | 5.462    | ug/L   | 99       |
| 21) 2-Butanone                | 4.722  | 43    | 130712   | 55.742   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 54420    | 5.323    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.980  | 128   | 26829    | 5.493    | ug/L   | 95       |
| 25) Chloroform                | 5.092  | 83    | 91341    | 5.376    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
 Data File : VU047451.D  
 Acq On : 10 Mar 2022 11:10  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005093

Quant Time: Mar 11 00:18:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 03:57:44 2022  
 Response via : Initial Calibration

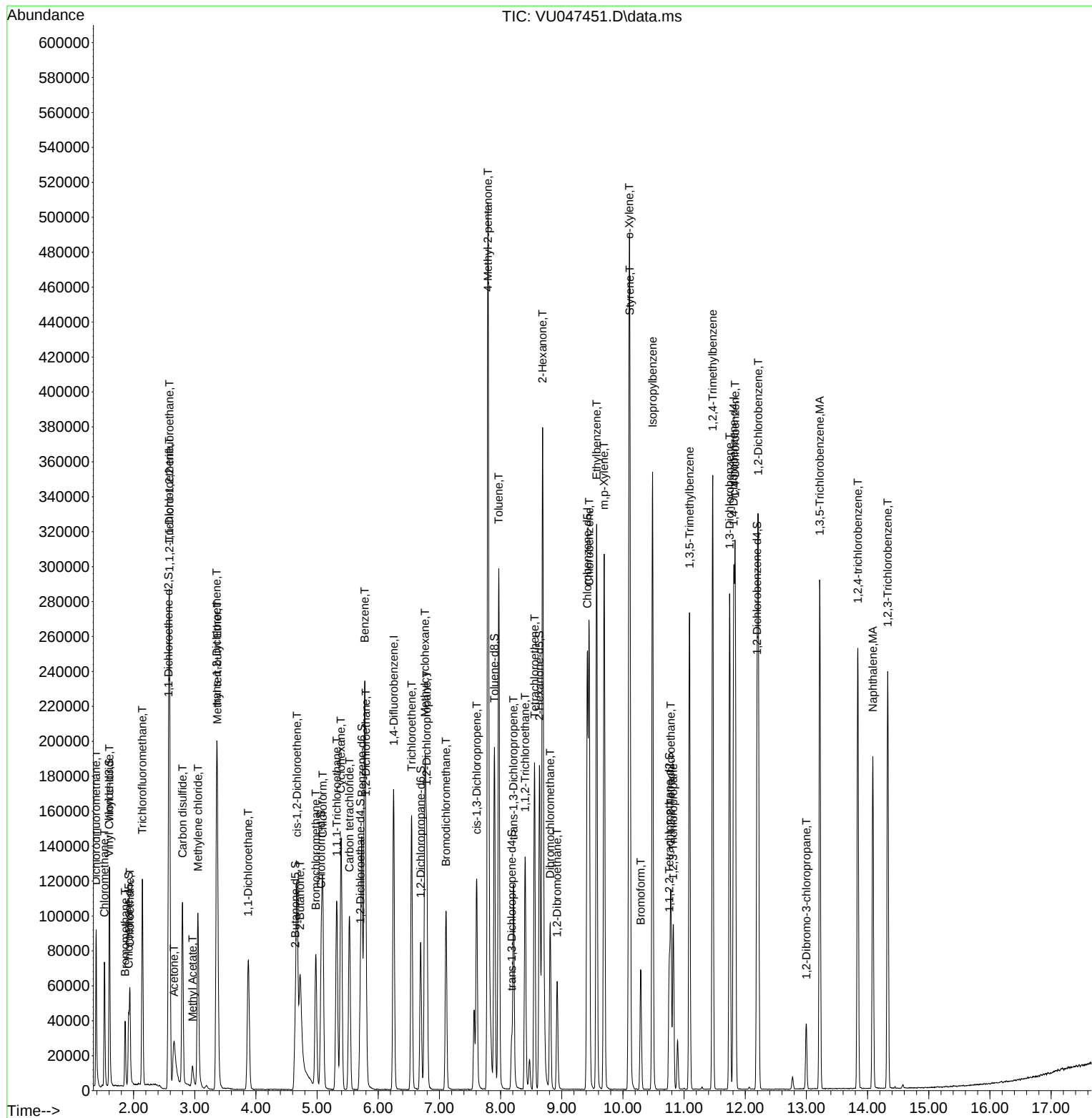
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 60494    | 5.531  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 79148    | 5.396  | ug/L  | 98       |
| 30) Cyclohexane               | 5.391  | 56   | 72197    | 5.109  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 67870    | 5.268  | ug/L  | 98       |
| 33) Benzene                   | 5.777  | 78   | 202670   | 5.286  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 53116    | 5.182  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.764  | 83   | 75933    | 4.696  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 51862    | 5.431  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.108  | 83   | 67497    | 5.324  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 72373    | 4.999  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 351994   | 54.074 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 222939   | 5.352  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 64163    | 4.914  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 42950    | 5.488  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 43435    | 4.995  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.687  | 43   | 259976   | 55.048 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 50544    | 5.317  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 41873    | 5.258  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 146620   | 5.262  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 233027   | 5.166  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 91239    | 5.156  | ug/L  | 98       |
| 54) o-Xylene                  | 10.102 | 106  | 89941    | 5.246  | ug/L  | 96       |
| 55) Styrene                   | 10.115 | 104  | 151701   | 5.234  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 55560    | 5.304  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 32296    | 5.558  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.484 | 105  | 230599   | 5.340  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 39624    | 5.543  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 148702   | 5.250  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 191614   | 5.215  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 120678   | 5.273  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 120229   | 5.173  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 117530   | 5.344  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 9196     | 5.706  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 93600    | 4.986  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 84005    | 5.021  | ug/L  | 99       |
| 71) Naphthalene               | 14.085 | 128  | 153563   | 5.131  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 78631    | 5.125  | ug/L  | 100      |

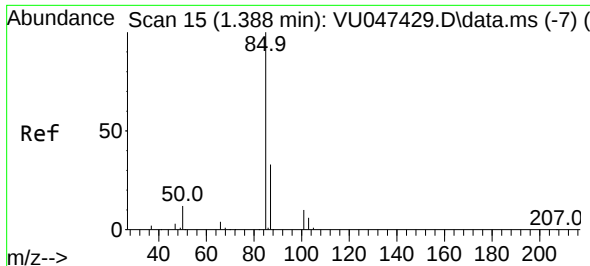
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
 Data File : VU047451.D  
 Acq On : 10 Mar 2022 11:10  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005093

Quant Time: Mar 11 00:18:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 03:57:44 2022  
 Response via : Initial Calibration

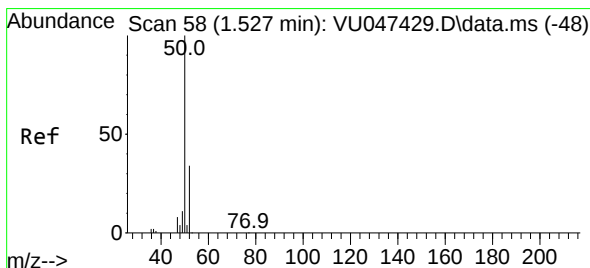
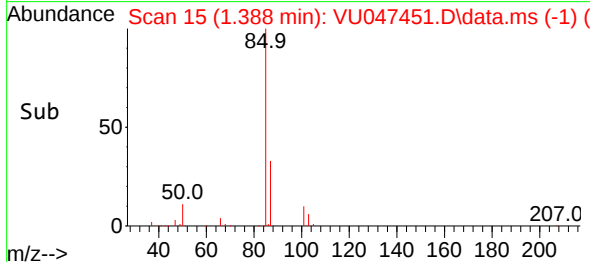
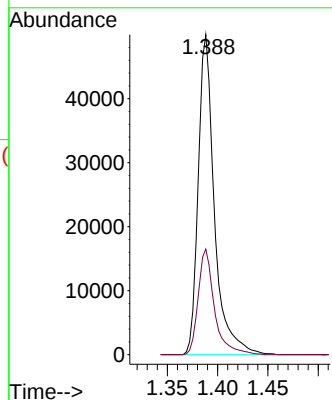
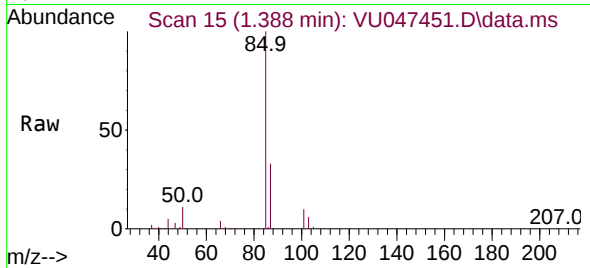




#2  
Dichlorodifluoromethane  
Concen: 5.092 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

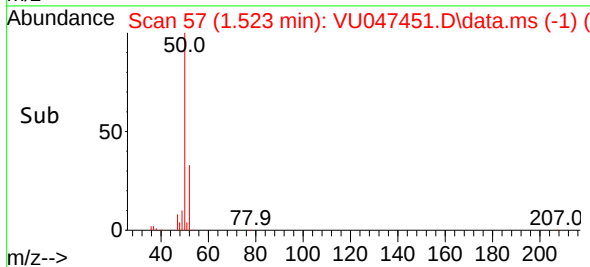
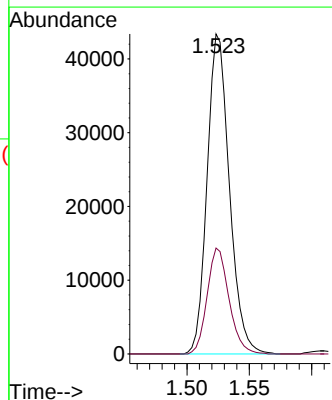
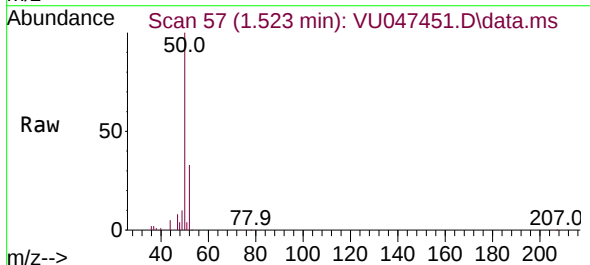
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

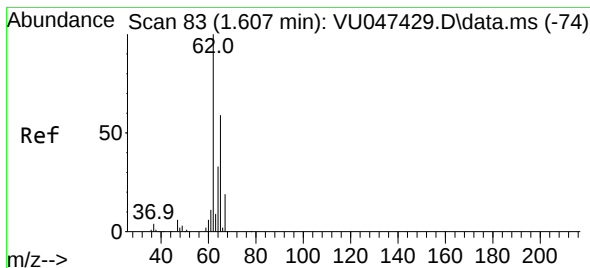
Tgt Ion: 85 Resp: 55957  
Ion Ratio Lower Upper  
85 100  
87 33.2 25.6 38.4



#3  
Chloromethane  
Concen: 4.918 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 50 Resp: 53966  
Ion Ratio Lower Upper  
50 100  
52 33.1 22.5 41.9





#5

Vinyl chloride

Concen: 5.302 ug/L

RT: 1.607 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

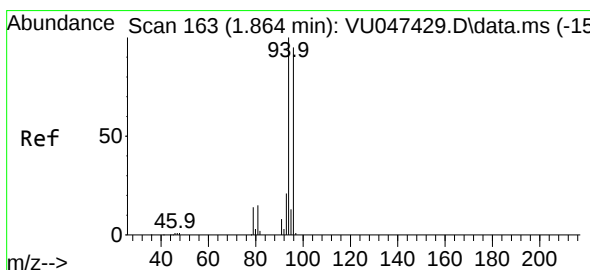
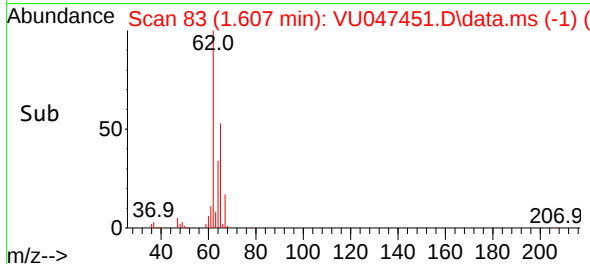
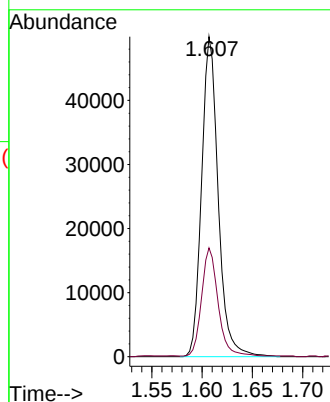
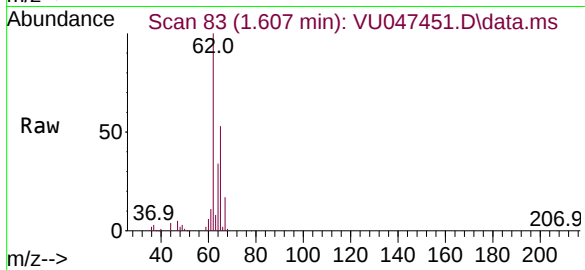
VSTD005093

Tgt Ion: 62 Resp: 57232

Ion Ratio Lower Upper

62 100

64 34.0 23.7 43.9



#6

Bromomethane

Concen: 2.870 ug/L

RT: 1.861 min Scan# 162

Delta R.T. -0.003 min

Lab File: VU047451.D

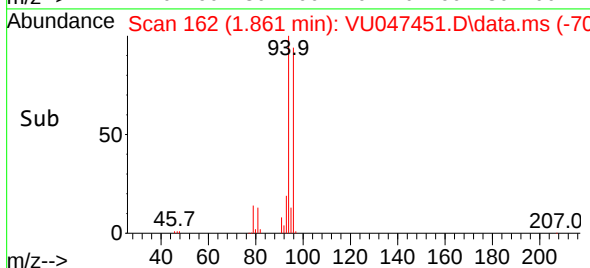
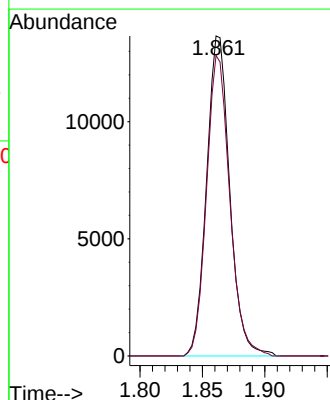
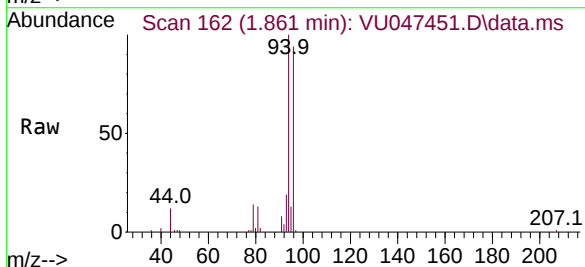
Acq: 10 Mar 2022 11:10

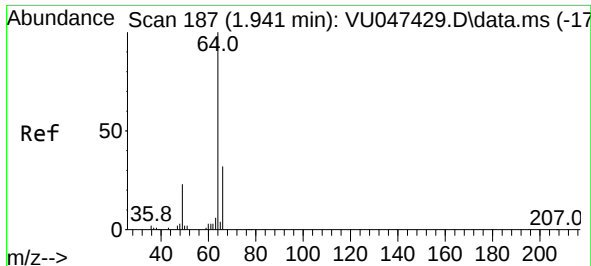
Tgt Ion: 94 Resp: 17665

Ion Ratio Lower Upper

94 100

96 93.9 65.6 121.8

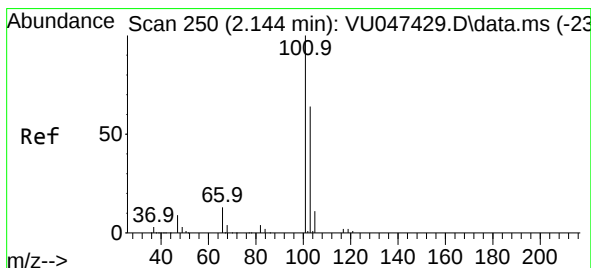
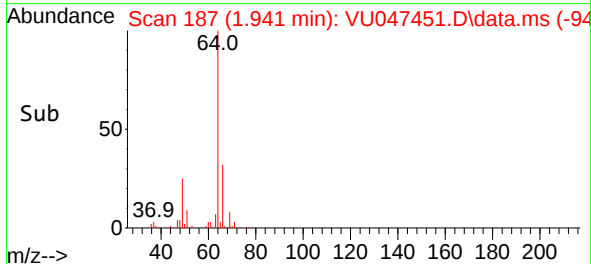
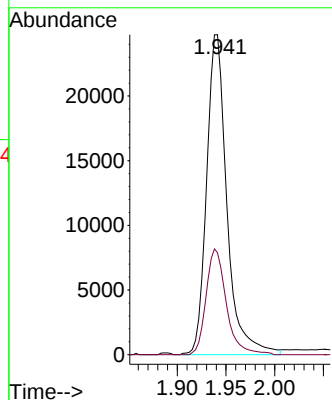
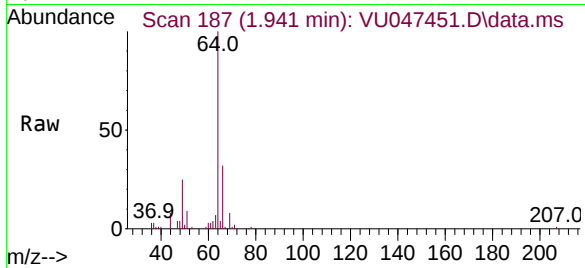




#8  
Chloroethane  
Concen: 5.473 ug/L  
RT: 1.941 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

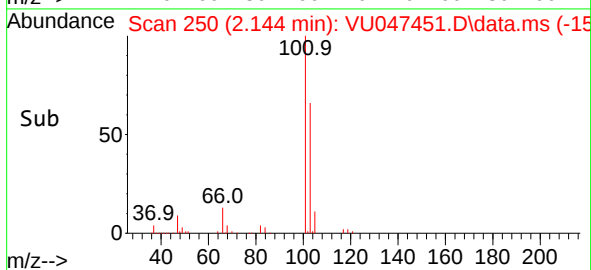
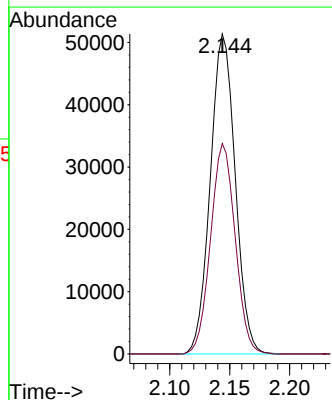
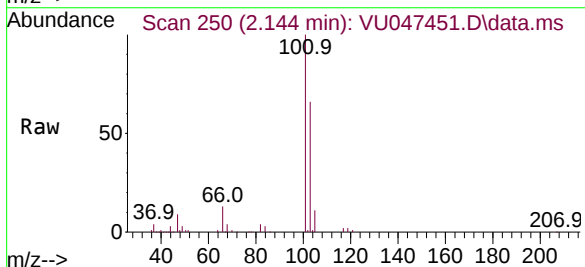
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

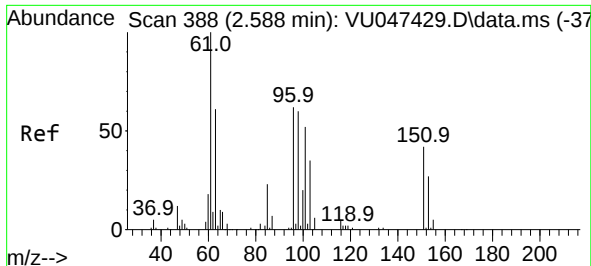
Tgt Ion: 64 Resp: 35882  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 5.217 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 101 Resp: 74203  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.8 77.8

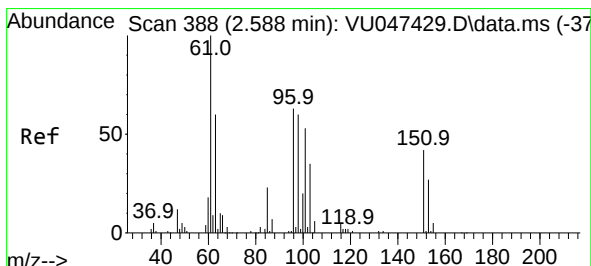
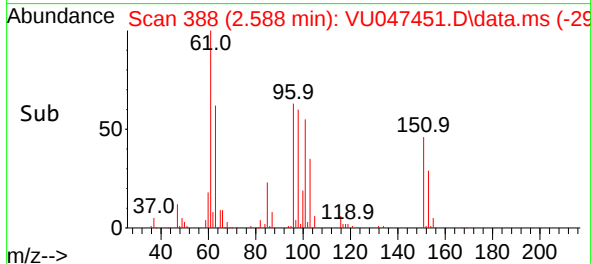
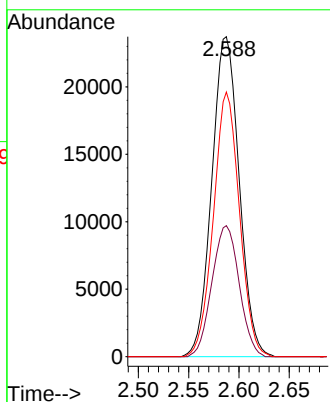
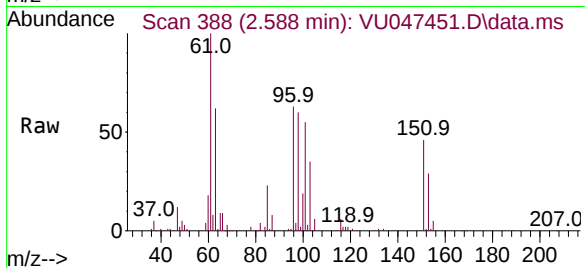




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.119 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. -0.000 min  
 Lab File: VU047451.D  
 Acq: 10 Mar 2022 11:10

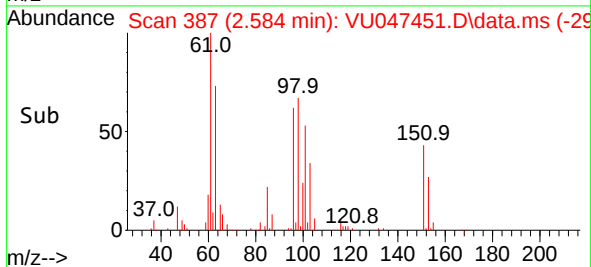
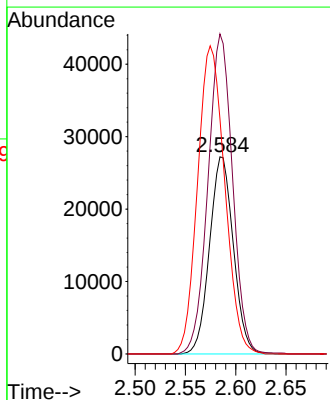
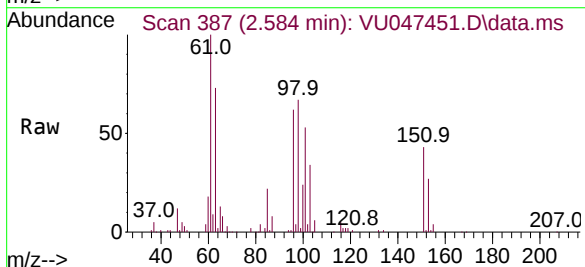
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005093

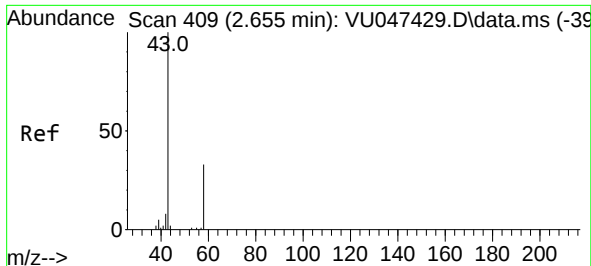
Tgt Ion:101 Resp: 44948  
 Ion Ratio Lower Upper  
 101 100  
 85 40.8 33.8 50.6  
 151 78.6 64.8 97.2



#12  
 1,1-Dichloroethene  
 Concen: 5.205 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. -0.003 min  
 Lab File: VU047451.D  
 Acq: 10 Mar 2022 11:10

Tgt Ion: 96 Resp: 44852  
 Ion Ratio Lower Upper  
 96 100  
 61 162.3 108.8 202.0  
 63 119.2 64.0 119.0#





#13

Acetone

Concen: 52.612 ug/L

RT: 2.661 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

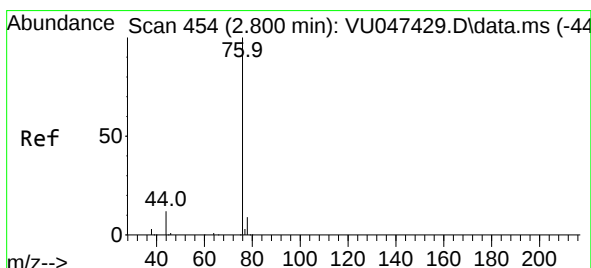
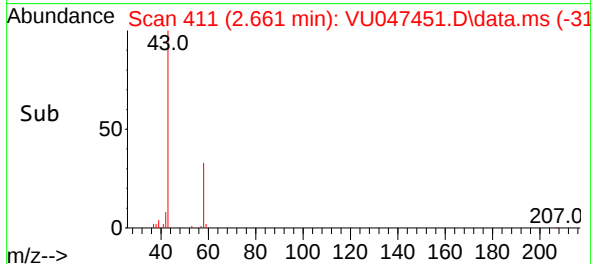
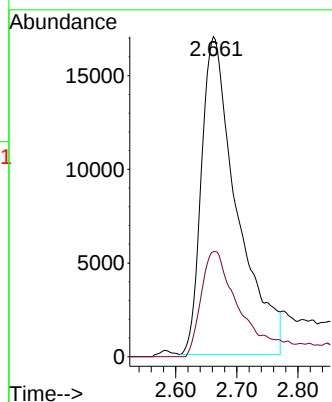
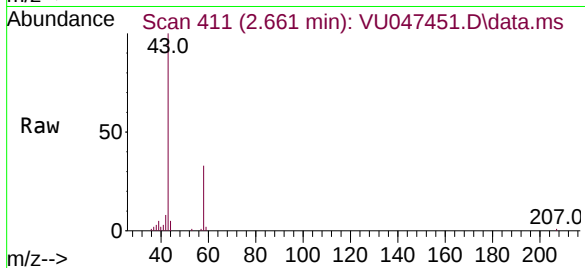
VSTD005093

Tgt Ion: 43 Resp: 68508

Ion Ratio Lower Upper

43 100

58 32.4 0.0 72.6



#14

Carbon disulfide

Concen: 5.123 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047451.D

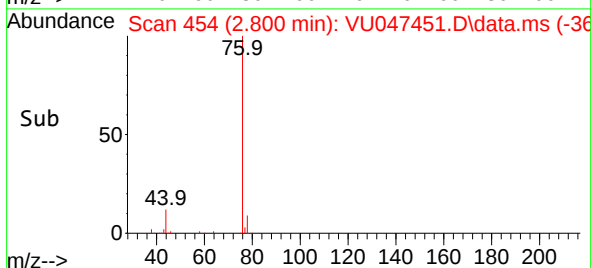
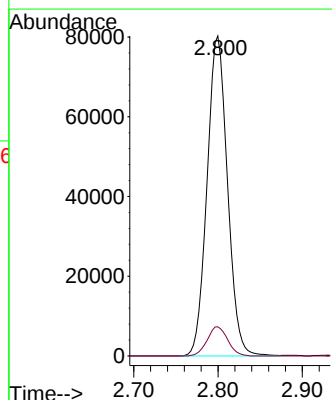
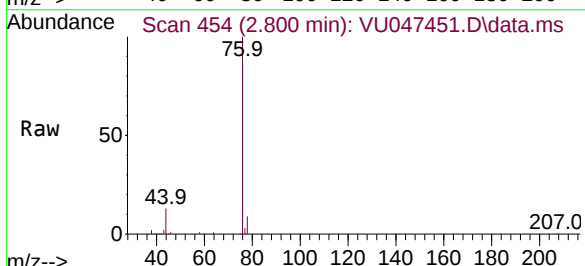
Acq: 10 Mar 2022 11:10

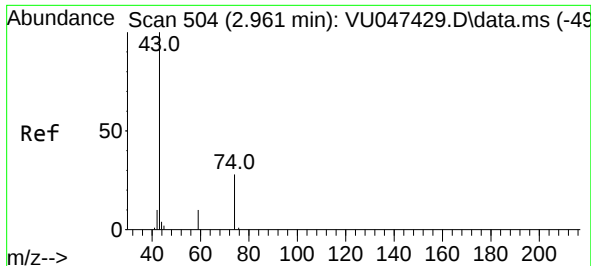
Tgt Ion: 76 Resp: 135518

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

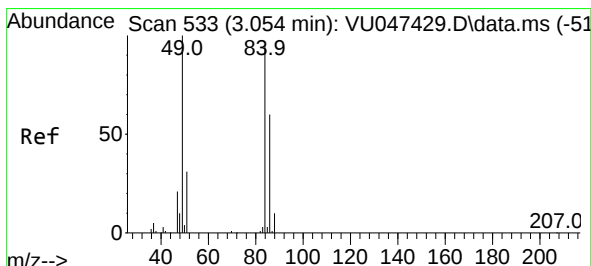
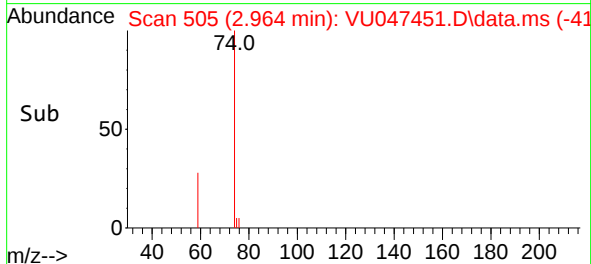
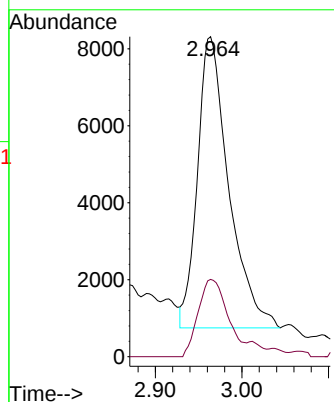
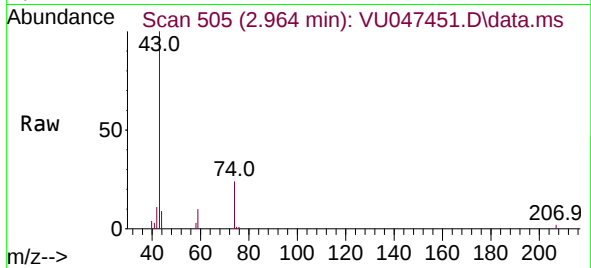




#15  
Methyl Acetate  
Concen: 5.523 ug/L  
RT: 2.964 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

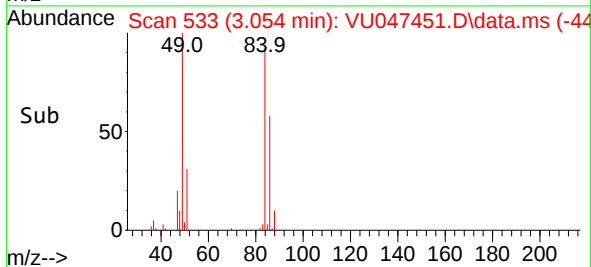
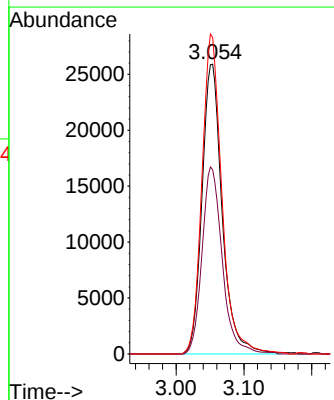
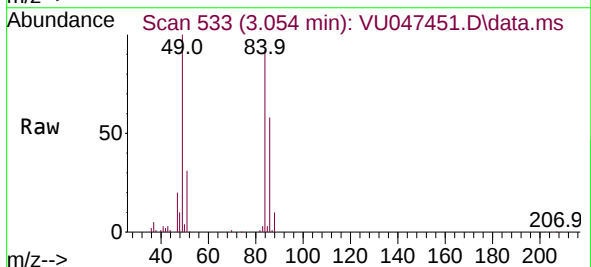
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

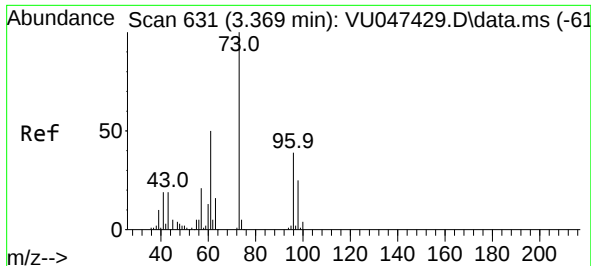
Tgt Ion: 43 Resp: 19003  
Ion Ratio Lower Upper  
43 100  
74 25.2 20.2 30.2



#16  
Methylene chloride  
Concen: 5.210 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 84 Resp: 53591  
Ion Ratio Lower Upper  
84 100  
86 63.5 45.9 85.3  
49 109.1 76.4 141.8





#17

Methyl tert-butyl Ether

Concen: 5.495 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005093

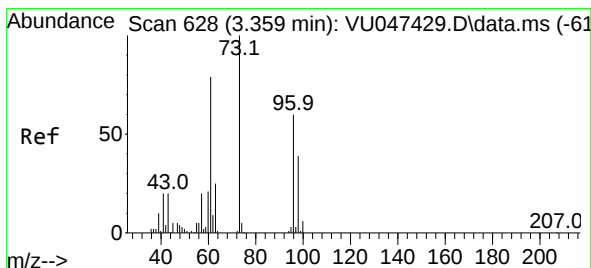
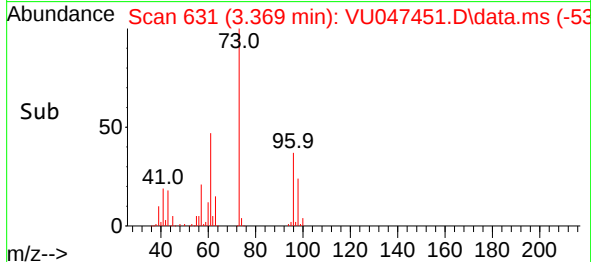
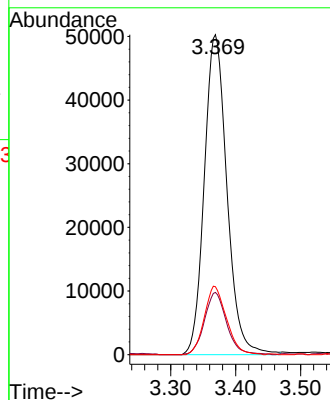
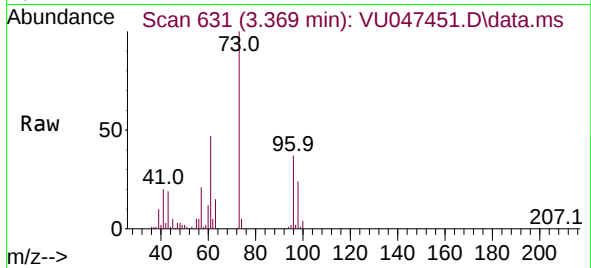
Tgt Ion: 73 Resp: 122111

Ion Ratio Lower Upper

73 100

43 19.1 14.6 22.0

57 20.8 16.5 24.7



#18

trans-1,2-Dichloroethene

Concen: 5.260 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

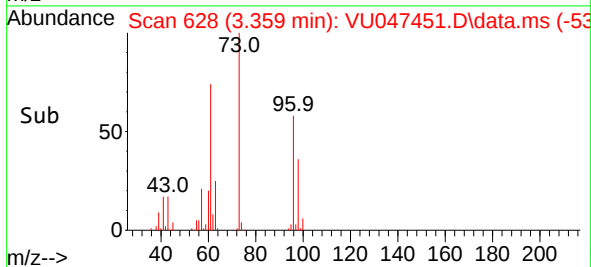
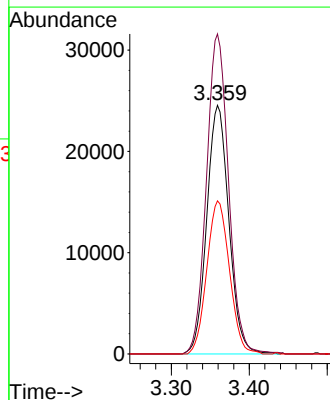
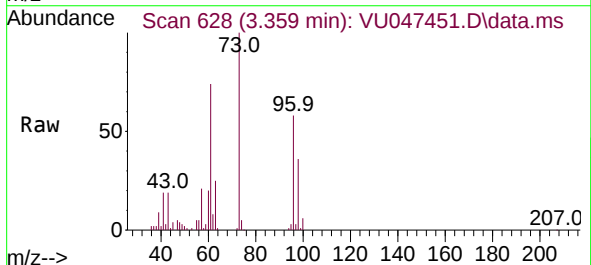
Tgt Ion: 96 Resp: 48530

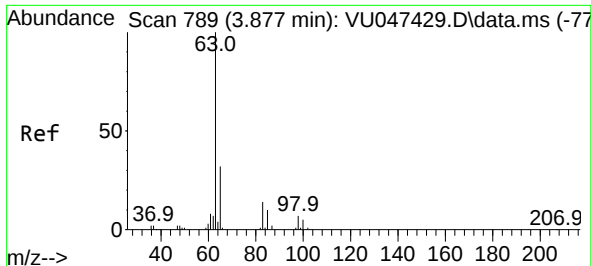
Ion Ratio Lower Upper

96 100

61 128.7 90.4 167.8

98 61.6 45.0 83.6





#19

1,1-Dichloroethane

Concen: 5.462 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005093

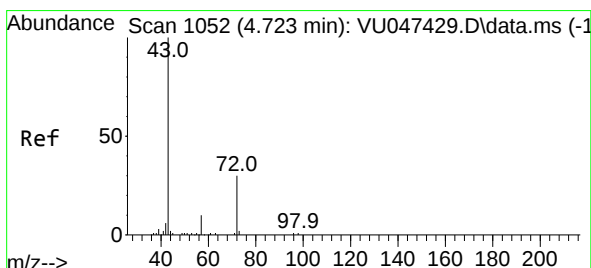
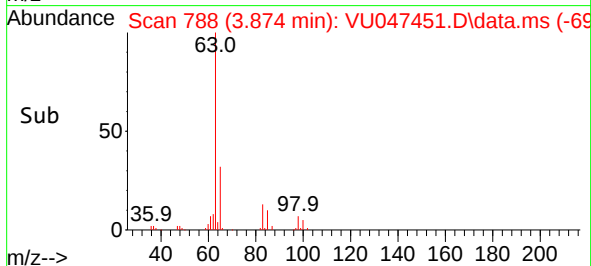
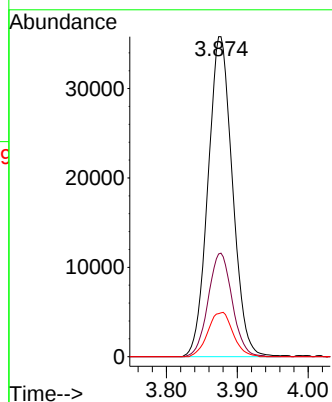
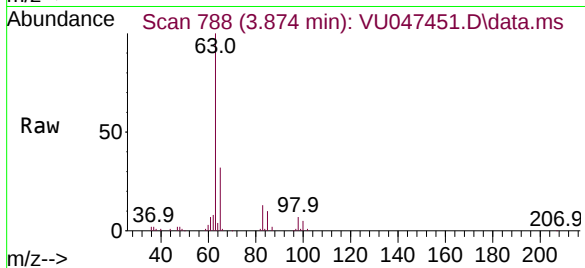
Tgt Ion: 63 Resp: 85709

Ion Ratio Lower Upper

63 100

65 32.1 22.8 42.4

83 13.5 9.9 18.3



#21

2-Butanone

Concen: 55.742 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. -0.000 min

Lab File: VU047451.D

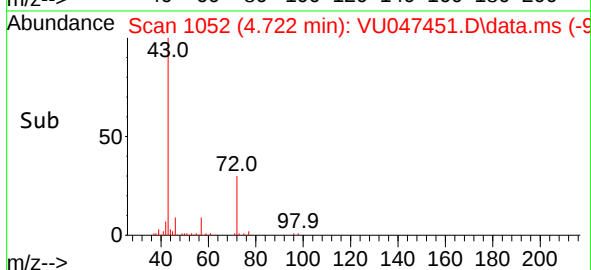
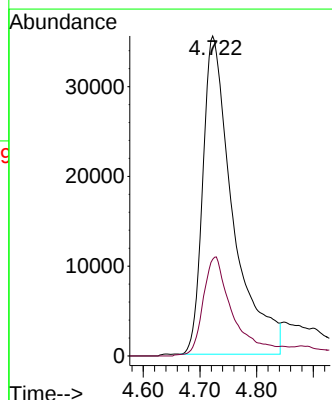
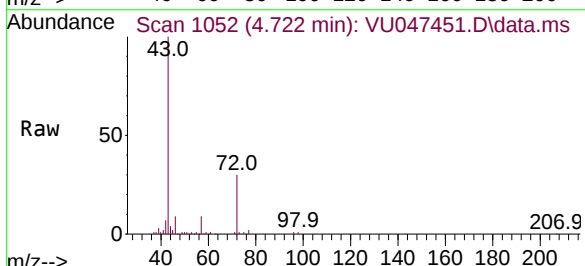
Acq: 10 Mar 2022 11:10

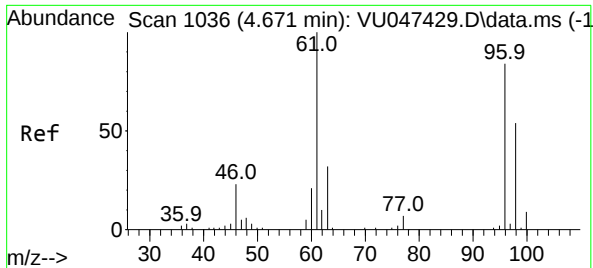
Tgt Ion: 43 Resp: 130712

Ion Ratio Lower Upper

43 100

72 30.8 14.7 44.1

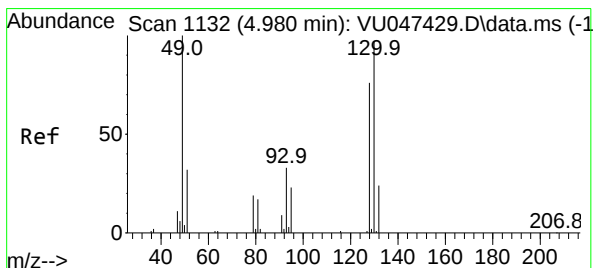
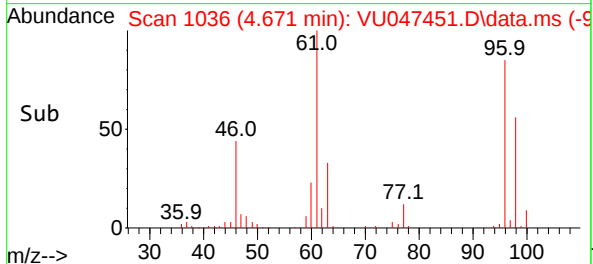
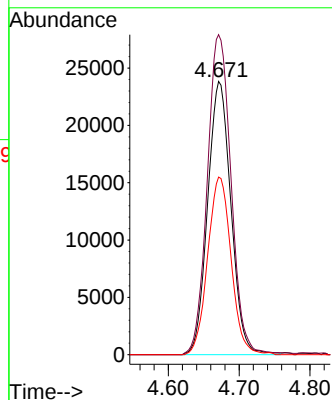
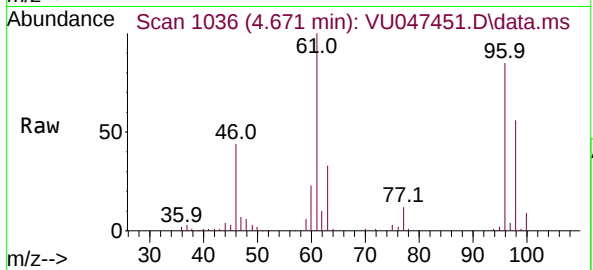




#22  
cis-1,2-Dichloroethene  
Concen: 5.323 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

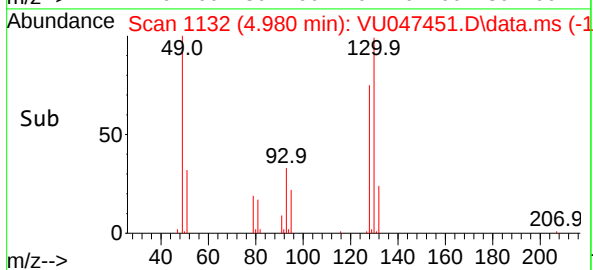
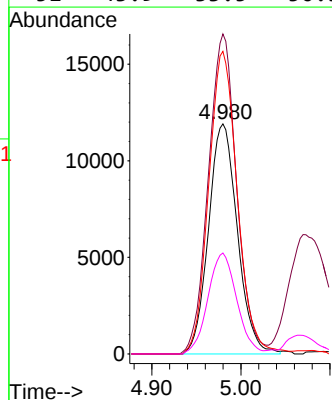
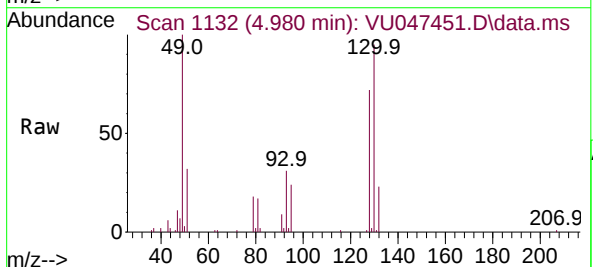
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

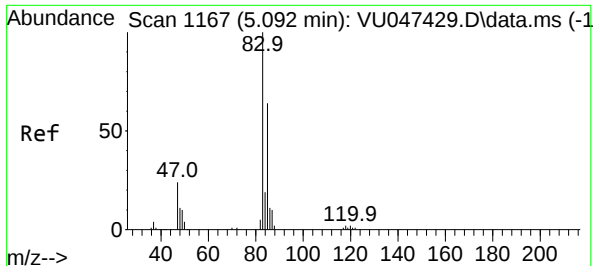
Tgt Ion: 96 Resp: 54420  
Ion Ratio Lower Upper  
96 100  
61 117.1 80.8 150.0  
98 65.0 44.7 83.1



#23  
Bromochloromethane  
Concen: 5.493 ug/L  
RT: 4.980 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion:128 Resp: 26829  
Ion Ratio Lower Upper  
128 100  
49 139.1 91.6 170.2  
130 131.5 89.6 166.4  
51 43.9 33.5 50.3





#25

Chloroform

Concen: 5.376 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

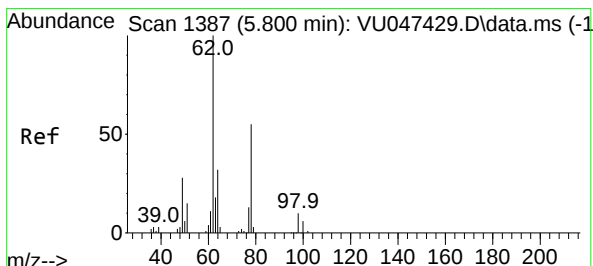
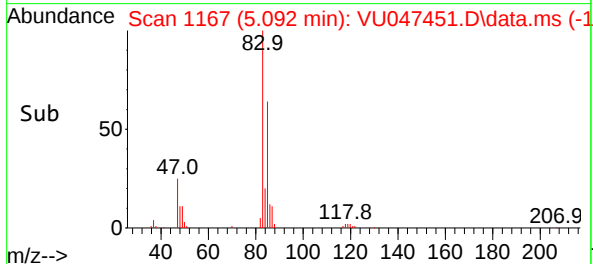
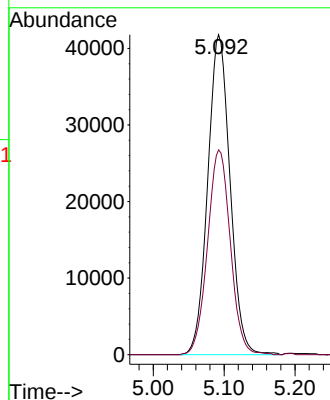
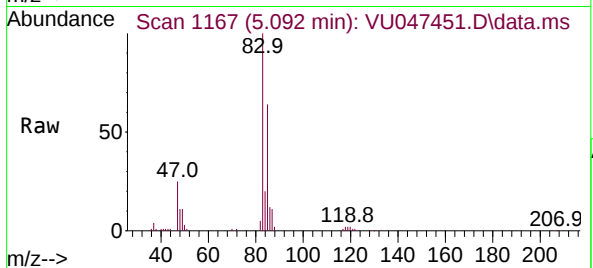
VSTD005093

Tgt Ion: 83 Resp: 91341

Ion Ratio Lower Upper

83 100

85 64.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 5.531 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU047451.D

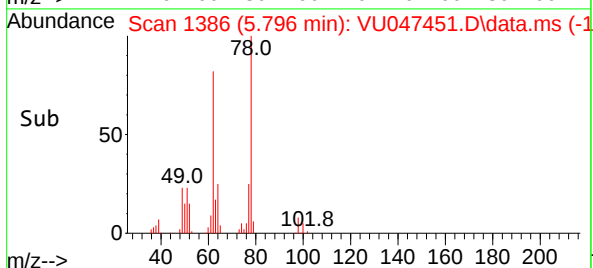
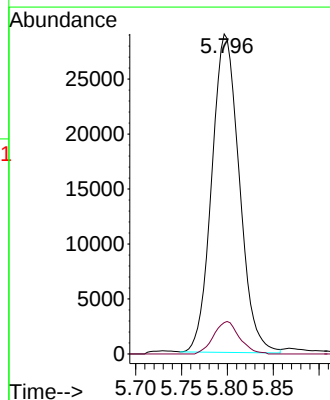
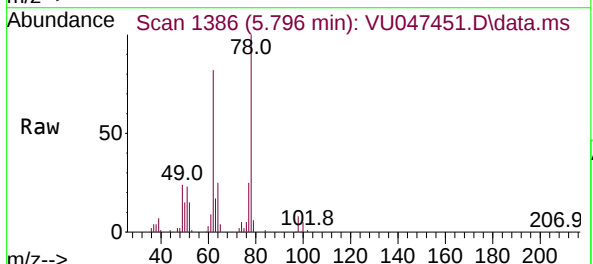
Acq: 10 Mar 2022 11:10

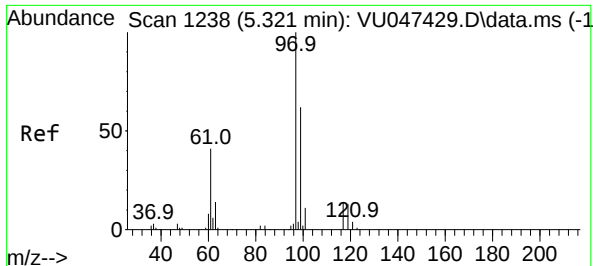
Tgt Ion: 62 Resp: 60494

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.396 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005093

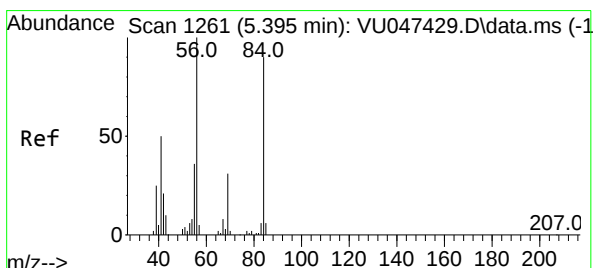
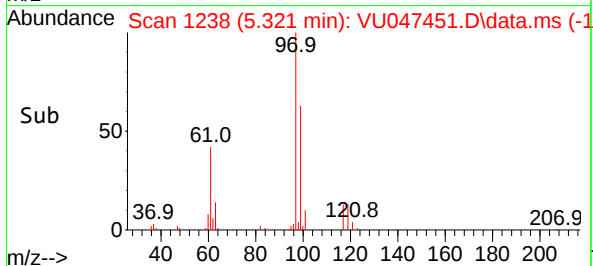
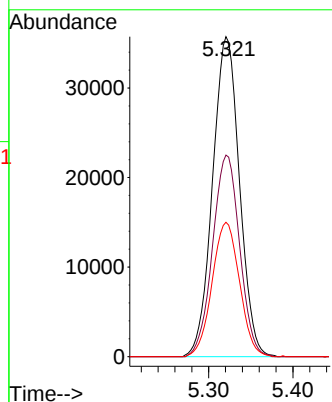
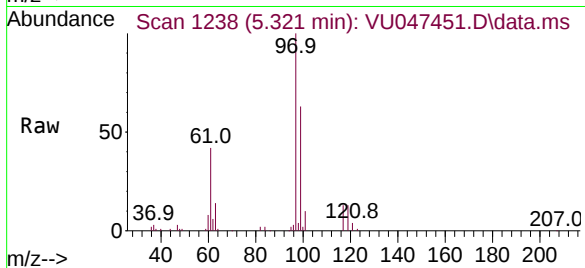
Tgt Ion: 97 Resp: 79148

Ion Ratio Lower Upper

97 100

99 63.4 52.1 78.1

61 42.8 33.8 50.6



#30

Cyclohexane

Concen: 5.109 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

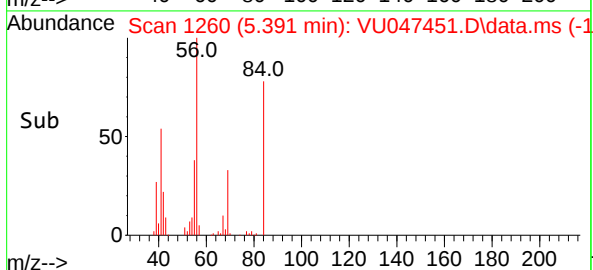
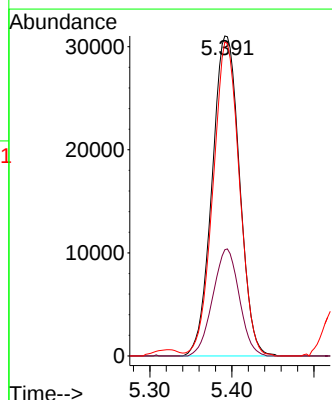
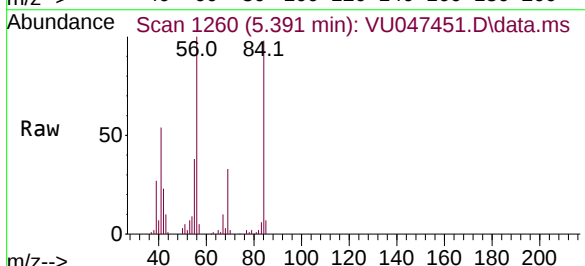
Tgt Ion: 56 Resp: 72197

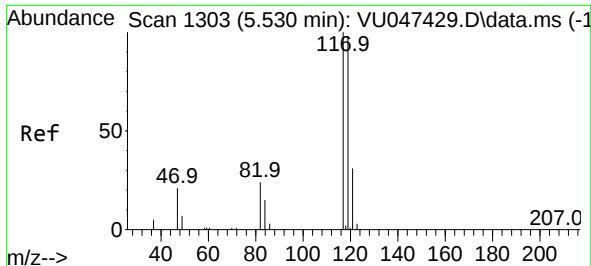
Ion Ratio Lower Upper

56 100

69 32.3 26.0 39.0

84 94.5 76.3 114.5

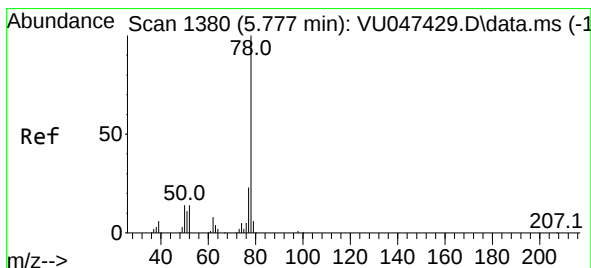
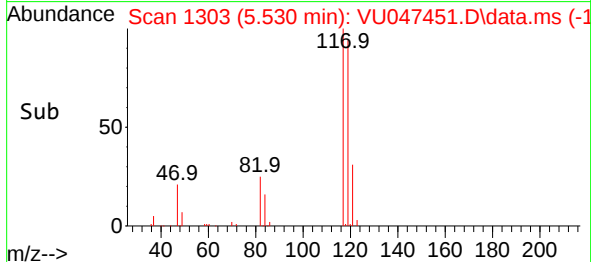
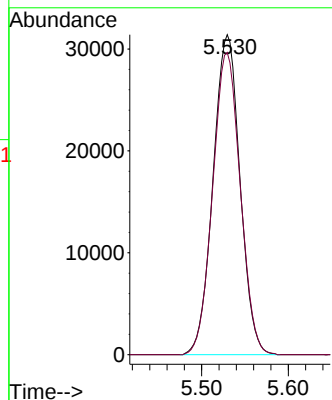
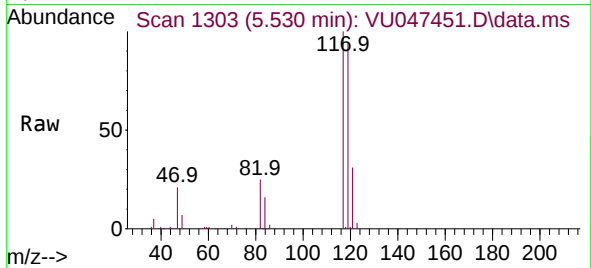




#31  
Carbon tetrachloride  
Concen: 5.268 ug/L  
RT: 5.530 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

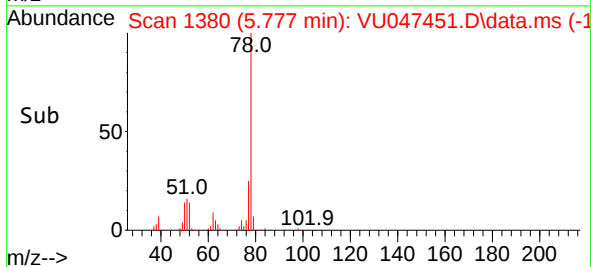
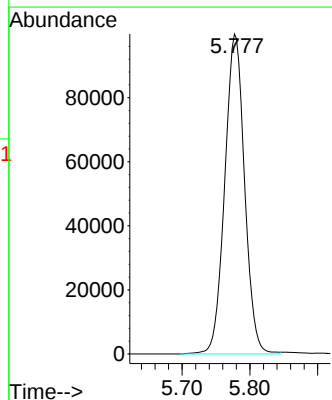
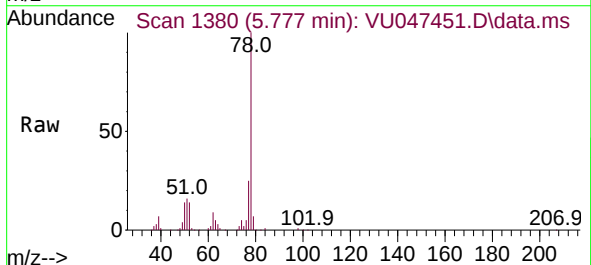
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

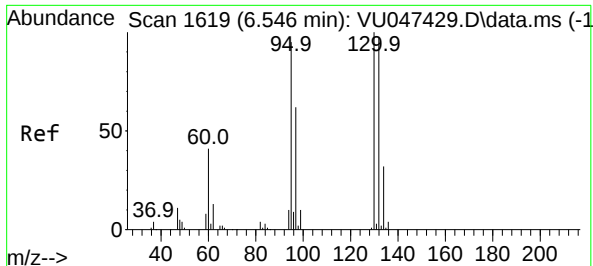
Tgt Ion:117 Resp: 67870  
Ion Ratio Lower Upper  
117 100  
119 96.6 75.8 113.8



#33  
Benzene  
Concen: 5.286 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 78 Resp: 202670



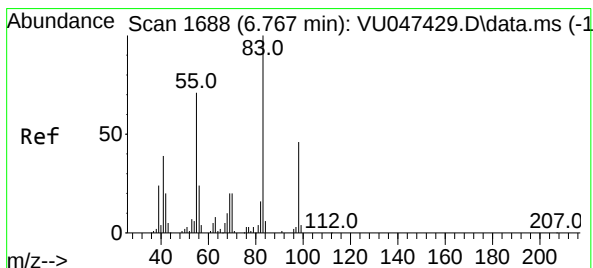
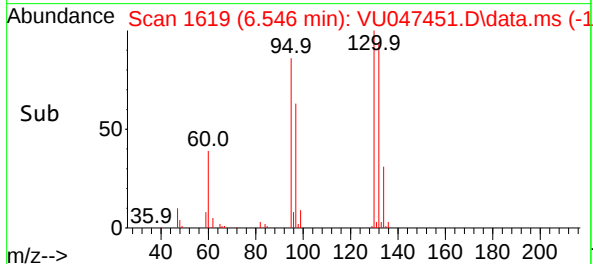
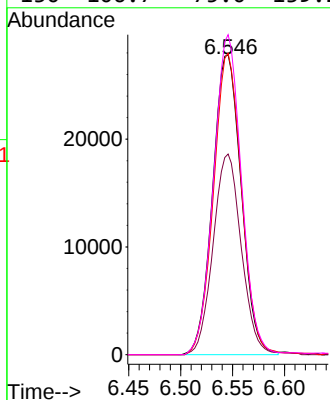
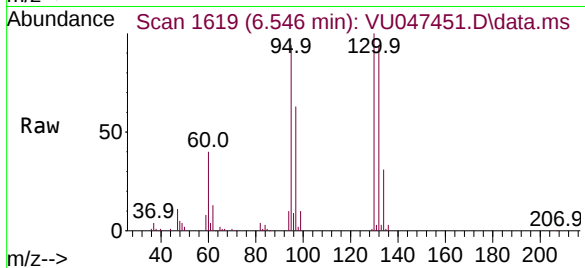


#34  
Trichloroethene  
Concen: 5.182 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

Tgt Ion: 95 Resp: 53116

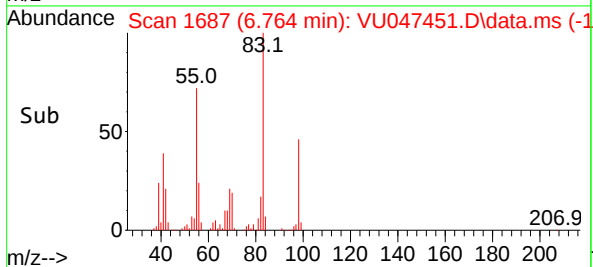
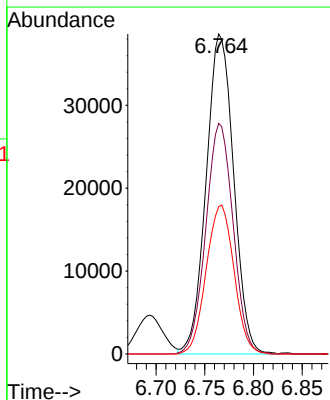
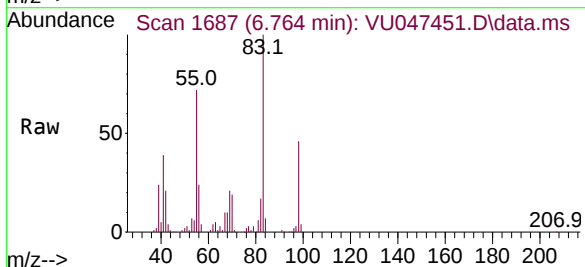
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.9  | 46.3  | 85.9  |
| 132 | 100.5 | 71.7  | 133.1 |
| 130 | 106.7 | 75.0  | 139.2 |

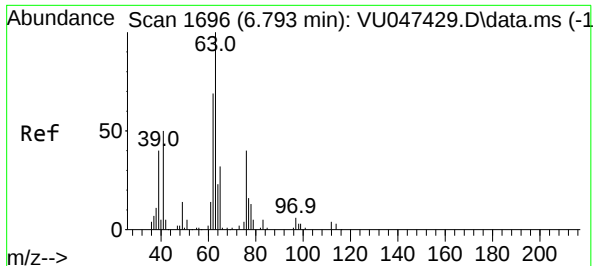


#35  
Methylcyclohexane  
Concen: 4.696 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 83 Resp: 75933

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 71.4  | 57.8  | 86.8  |
| 98  | 46.9  | 38.0  | 57.0  |

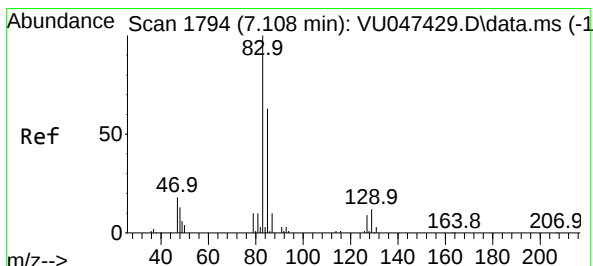
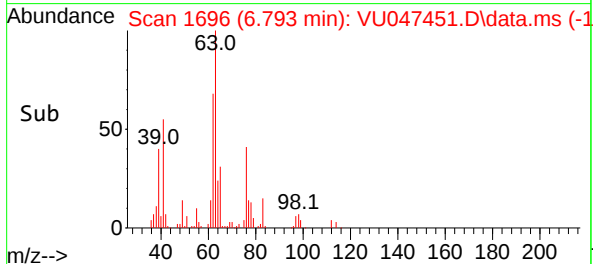
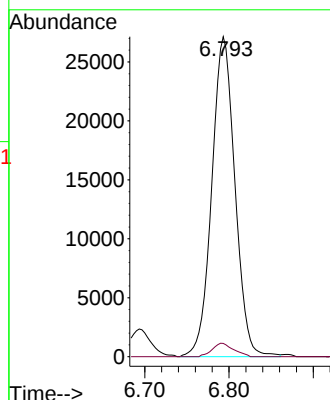
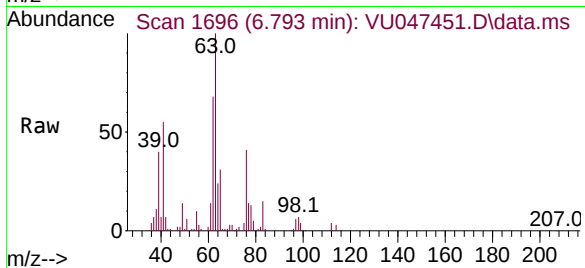




#37  
1,2-Dichloropropane  
Concen: 5.431 ug/L  
RT: 6.793 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

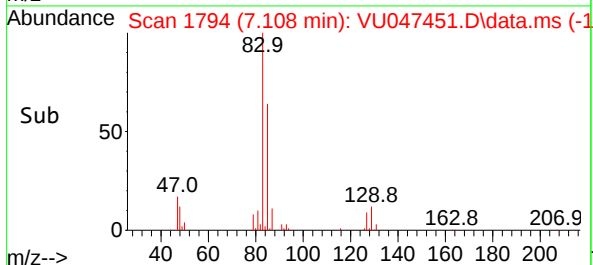
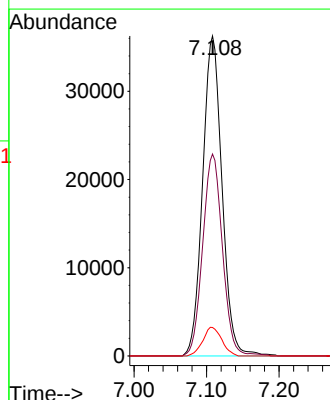
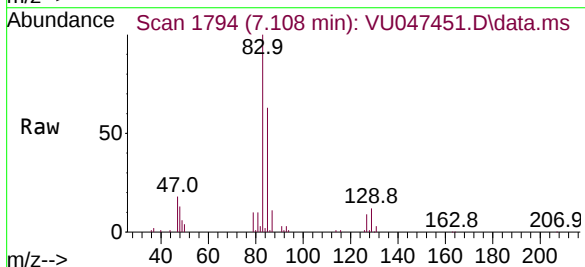
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

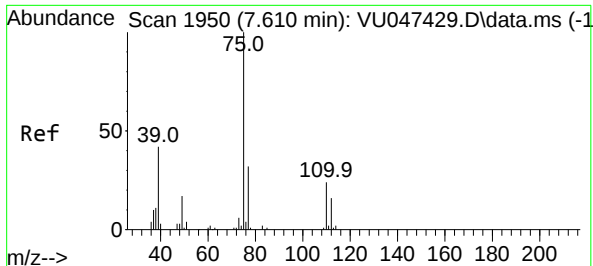
Tgt Ion: 63 Resp: 51862  
Ion Ratio Lower Upper  
63 100  
112 3.9 3.3 4.9



#38  
Bromodichloromethane  
Concen: 5.324 ug/L  
RT: 7.108 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 83 Resp: 67497  
Ion Ratio Lower Upper  
83 100  
85 63.1 45.0 83.6  
127 8.9 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 4.999 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

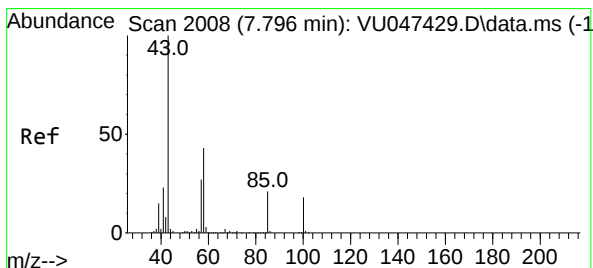
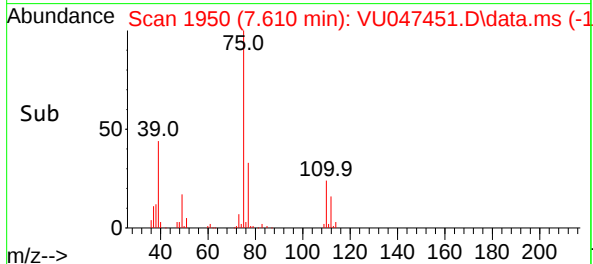
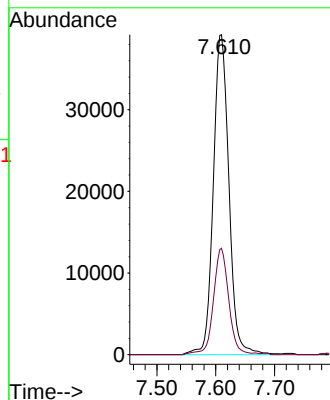
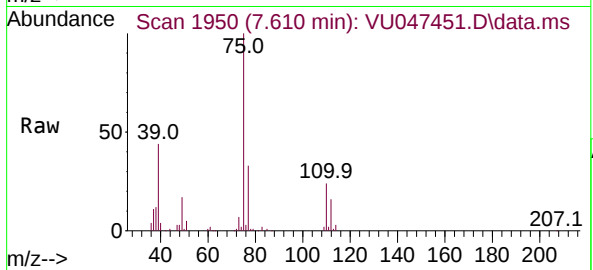
VSTD005093

Tgt Ion: 75 Resp: 72373

Ion Ratio Lower Upper

75 100

77 33.3 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 54.074 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

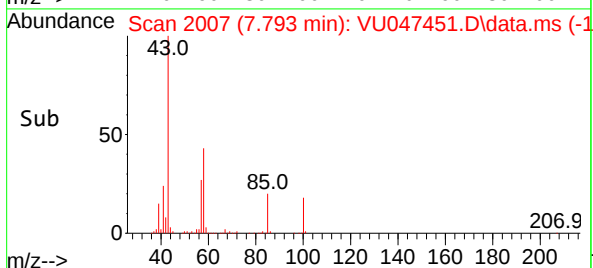
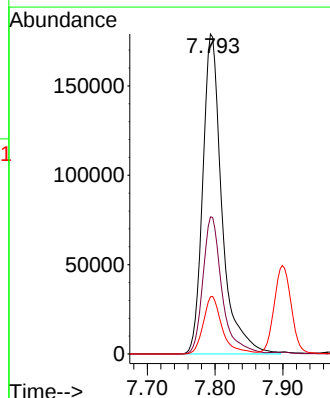
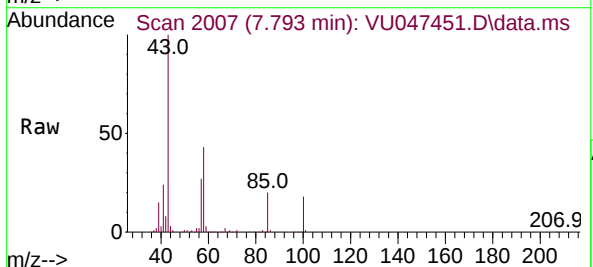
Tgt Ion: 43 Resp: 351994

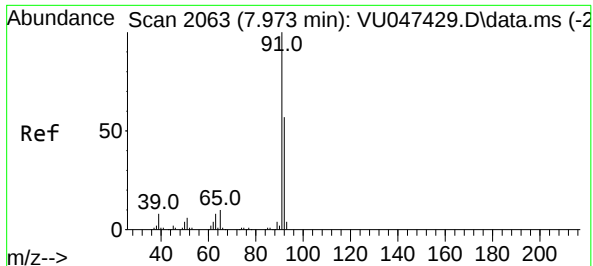
Ion Ratio Lower Upper

43 100

58 42.9 34.8 52.2

100 17.7 14.2 21.4





#42

Toluene

Concen: 5.352 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

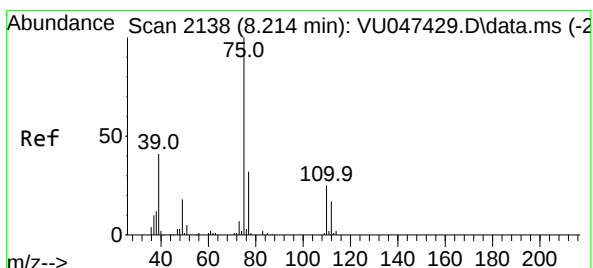
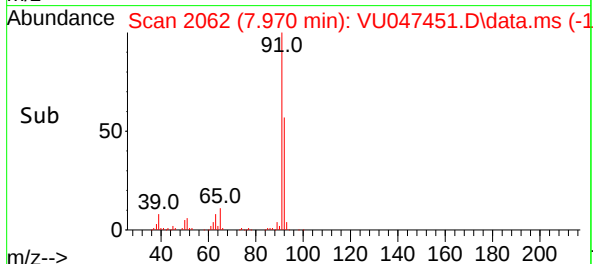
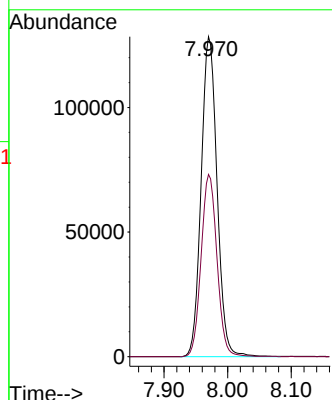
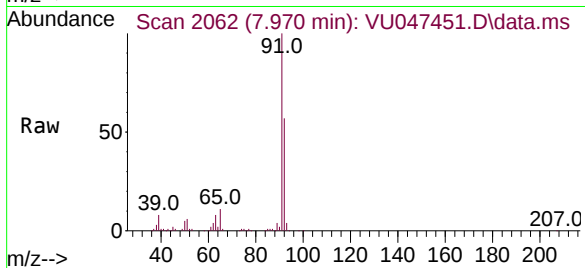
VSTD005093

Tgt Ion: 91 Resp: 222939

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.914 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU047451.D

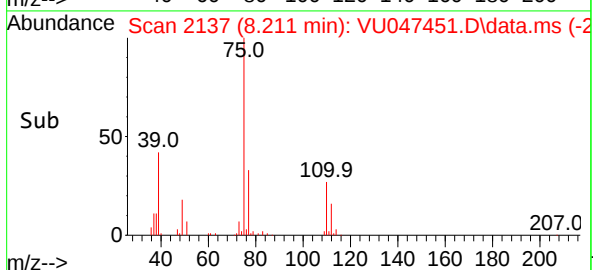
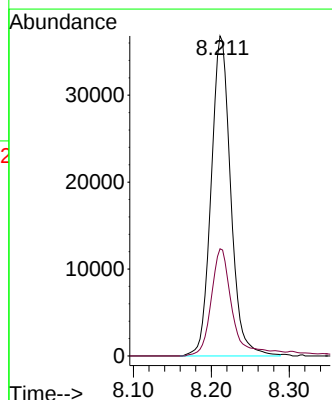
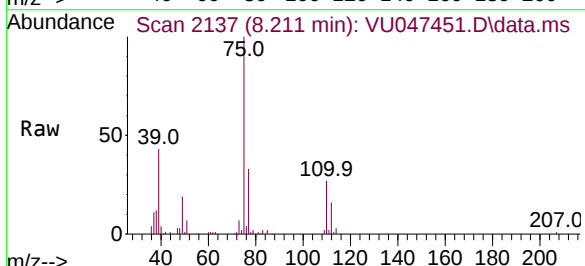
Acq: 10 Mar 2022 11:10

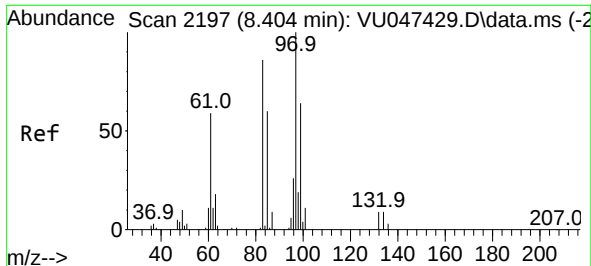
Tgt Ion: 75 Resp: 64163

Ion Ratio Lower Upper

75 100

77 33.5 23.6 43.8

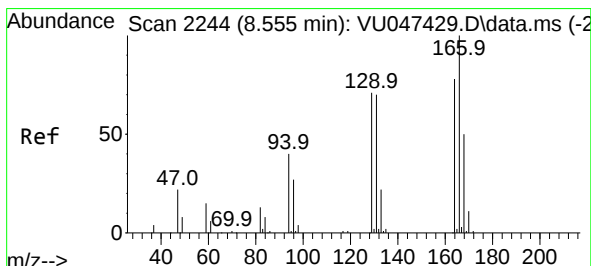
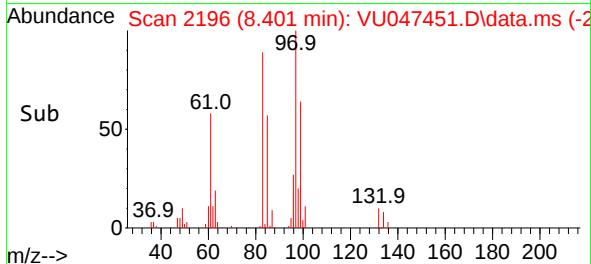
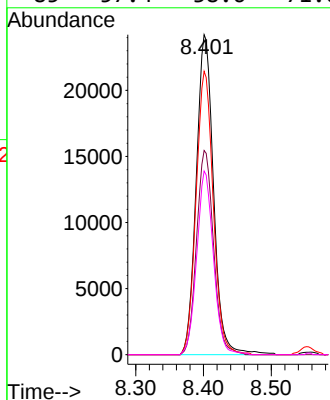
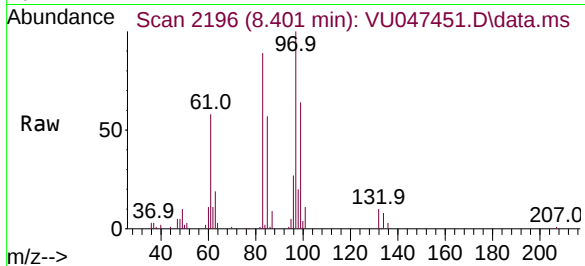




#45  
1,1,2-Trichloroethane  
Concen: 5.488 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

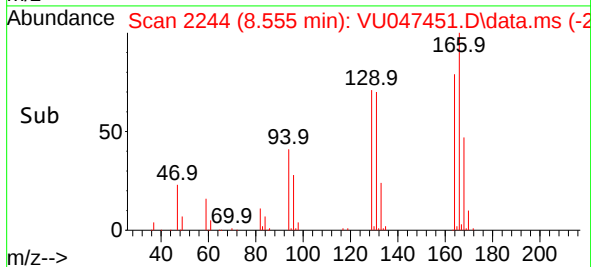
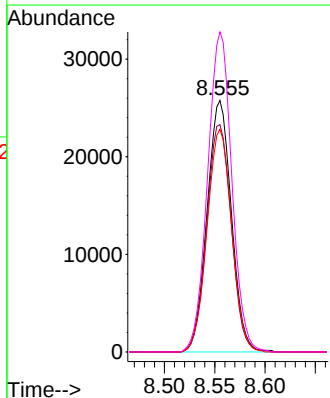
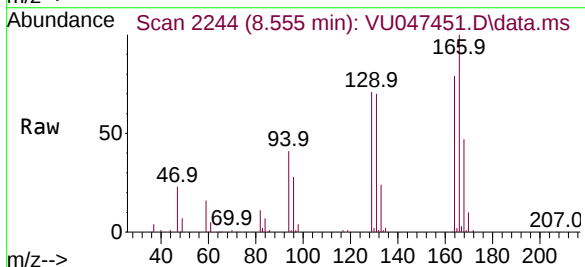
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

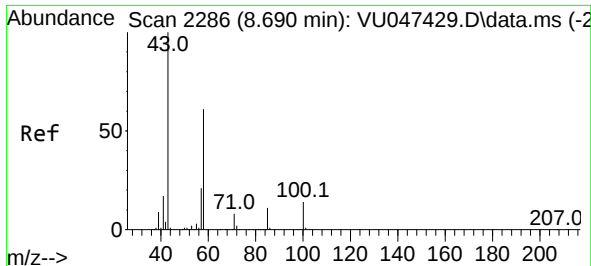
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 42950 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.8  | 43.3  | 80.5  |
| 83       | 88.5  | 59.1  | 109.9 |
| 85       | 57.4  | 38.6  | 71.6  |



#47  
Tetrachloroethene  
Concen: 4.995 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 43435 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.4  | 64.9  | 120.5 |
| 131      | 88.5  | 63.6  | 118.2 |
| 166      | 127.2 | 91.4  | 169.8 |



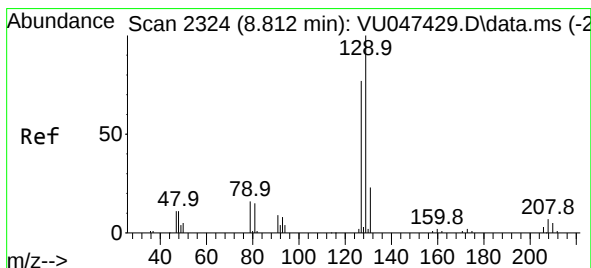
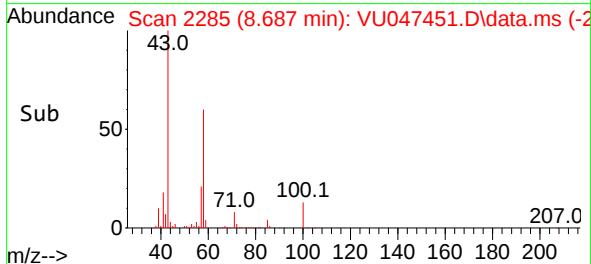
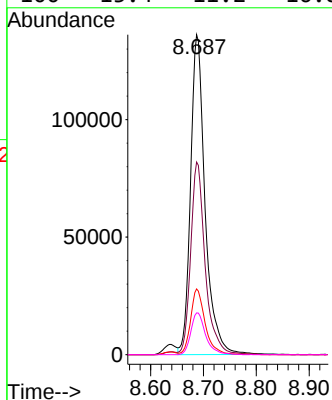
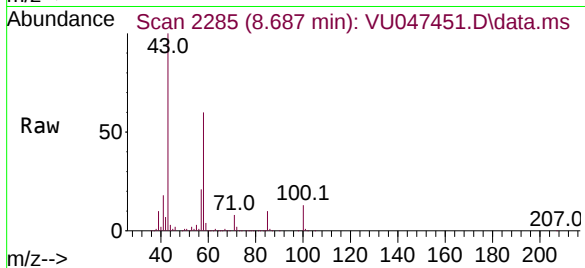


#48  
2-Hexanone  
Concen: 55.048 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

Tgt Ion: 43 Resp: 259976

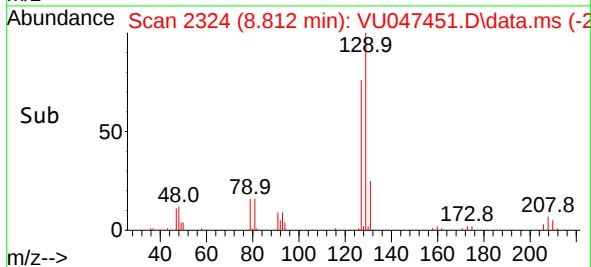
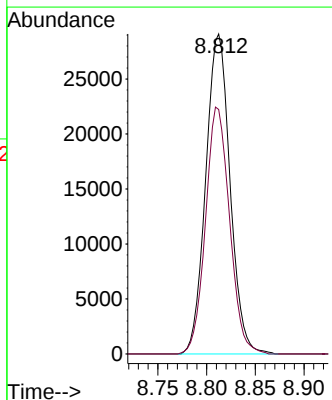
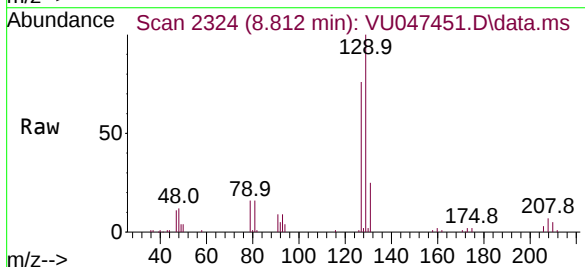
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 60.3  | 47.7  | 71.5  |
| 57  | 20.3  | 16.6  | 25.0  |
| 100 | 13.4  | 11.2  | 16.8  |

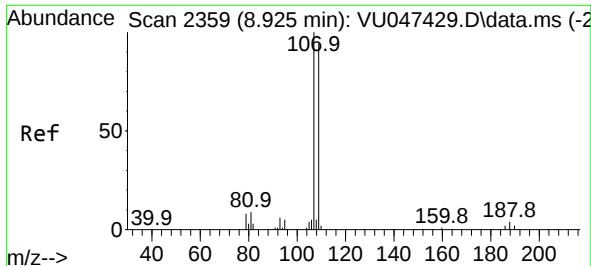


#49  
Dibromochloromethane  
Concen: 5.317 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 129 Resp: 50544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.4  | 52.6  | 97.8  |





#50

1,2-Dibromoethane

Concen: 5.258 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005093

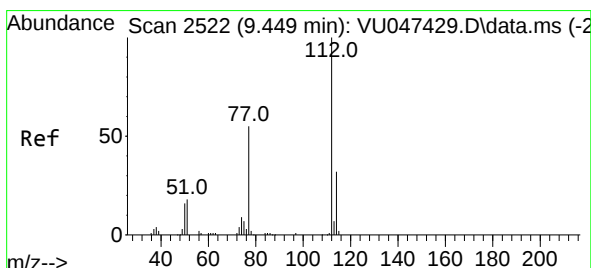
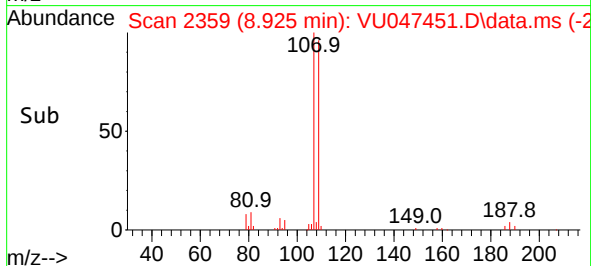
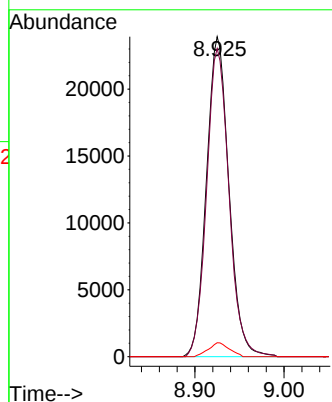
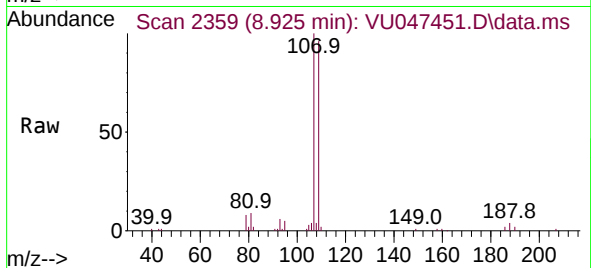
Tgt Ion:107 Resp: 41873

Ion Ratio Lower Upper

107 100

109 96.3 65.8 122.2

188 4.3 3.3 4.9



#51

Chlorobenzene

Concen: 5.262 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

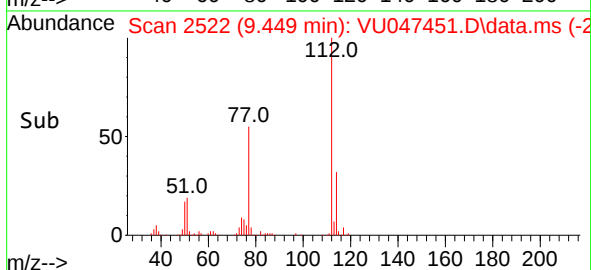
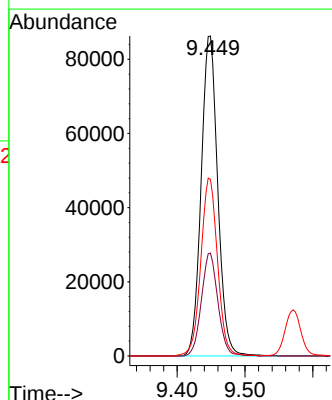
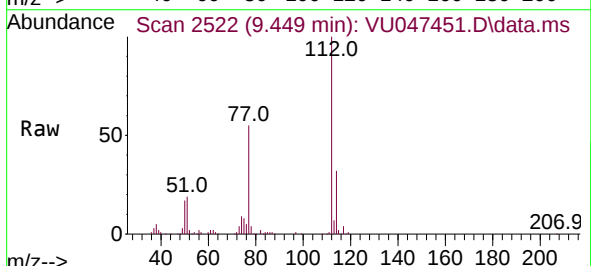
Tgt Ion:112 Resp: 146620

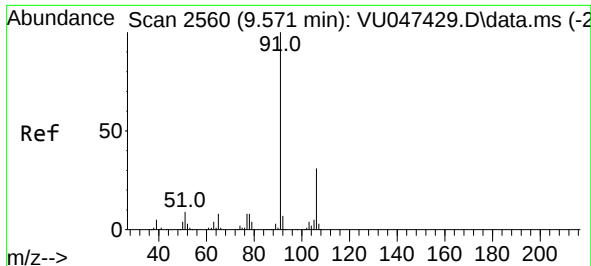
Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

77 55.2 45.0 67.6

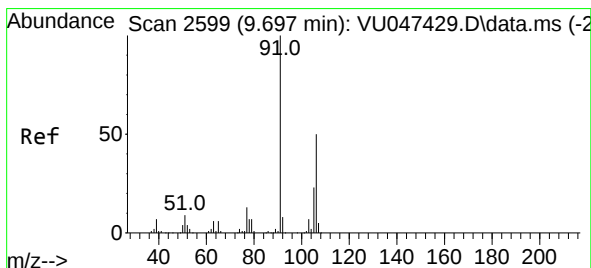
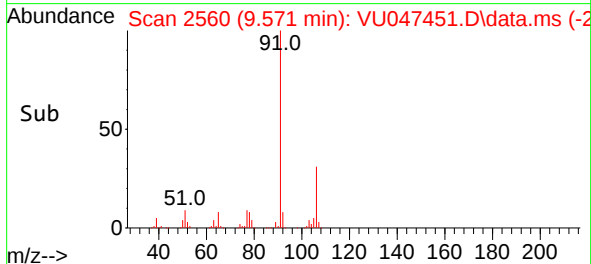
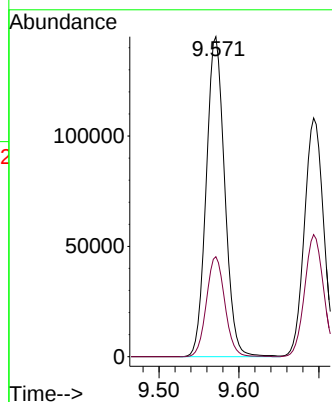
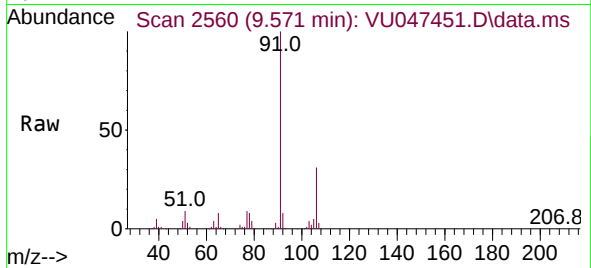




#52  
Ethylbenzene  
Concen: 5.166 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

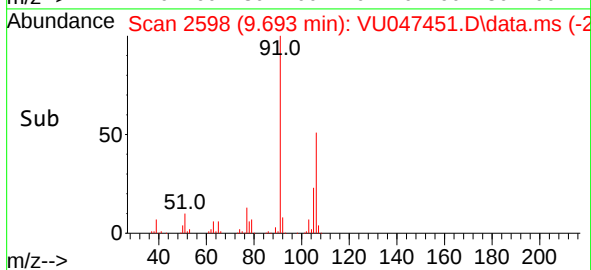
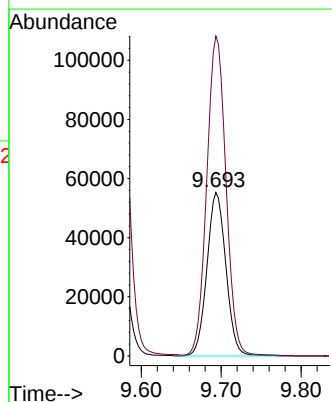
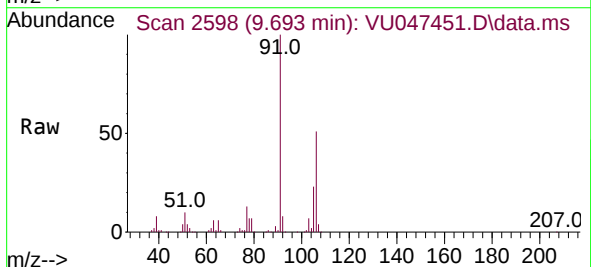
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

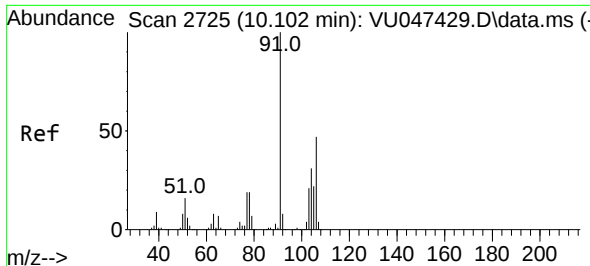
Tgt Ion: 91 Resp: 233027  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.4 41.6



#53  
m,p-Xylene  
Concen: 5.156 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 106 Resp: 91239  
Ion Ratio Lower Upper  
106 100  
91 195.7 138.8 257.8

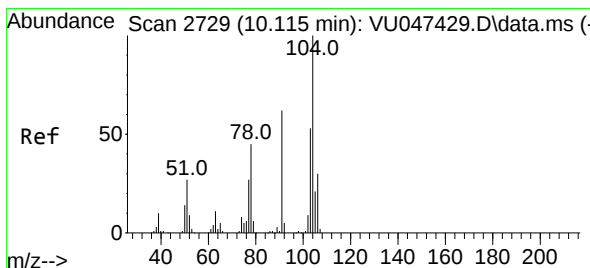
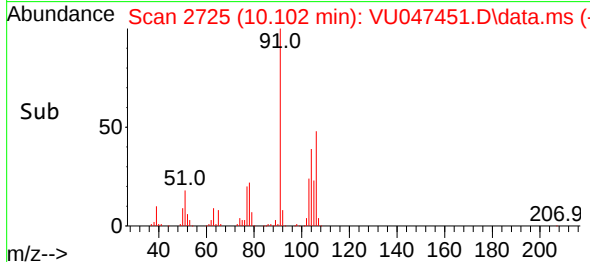
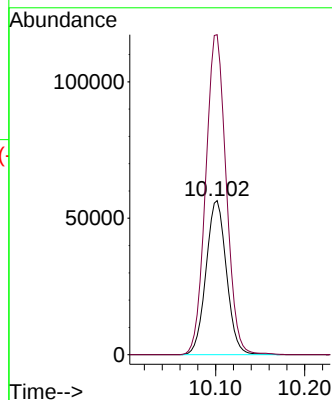
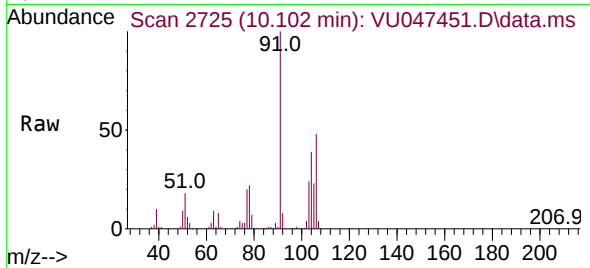




#54  
o-Xylene  
Concen: 5.246 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

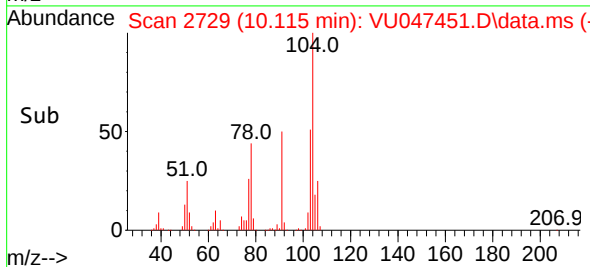
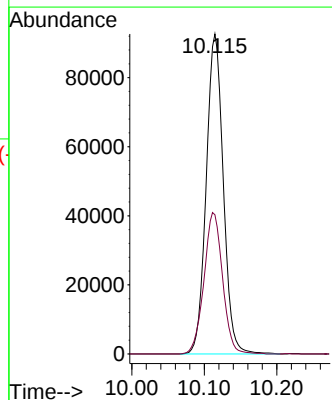
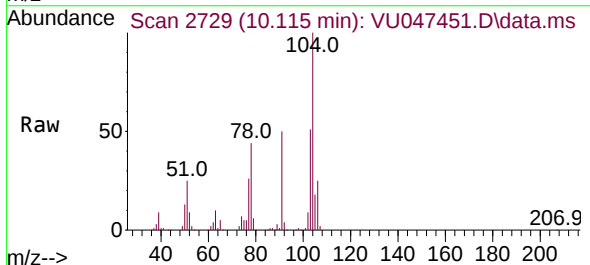
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

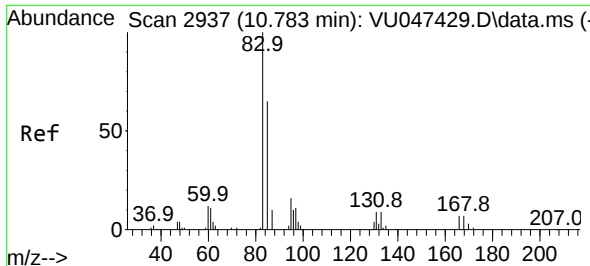
Tgt Ion:106 Resp: 89941  
Ion Ratio Lower Upper  
106 100  
91 207.6 149.2 277.0



#55  
Styrene  
Concen: 5.234 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion:104 Resp: 151701  
Ion Ratio Lower Upper  
104 100  
78 43.5 30.4 56.4

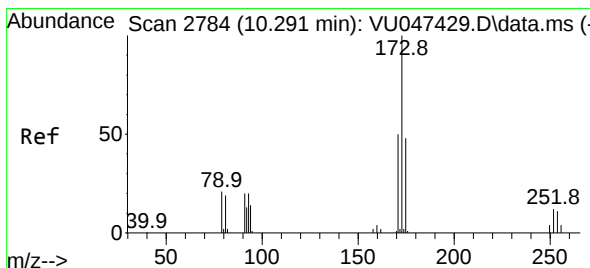
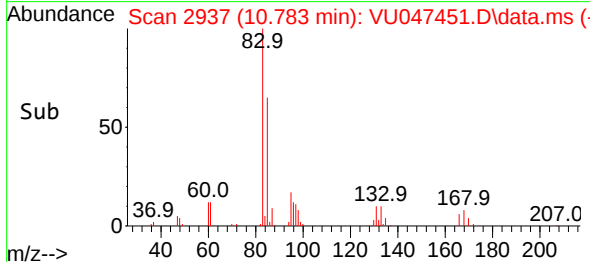
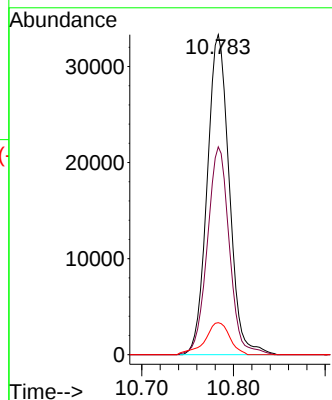
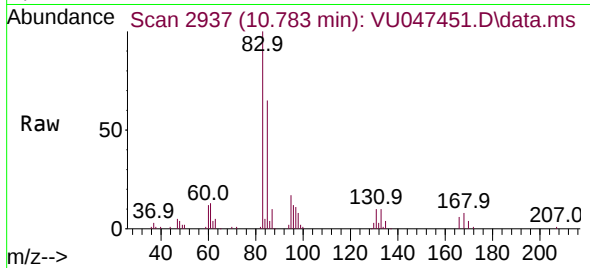




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.304 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

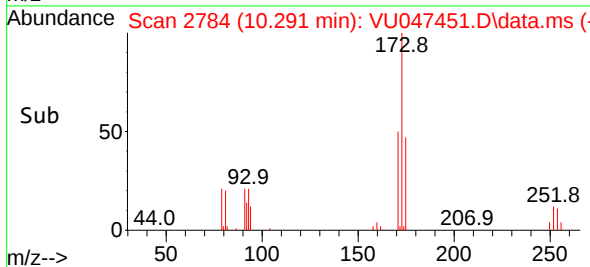
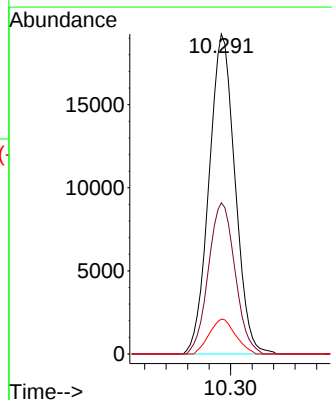
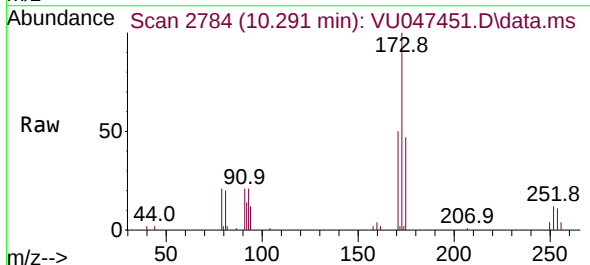
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

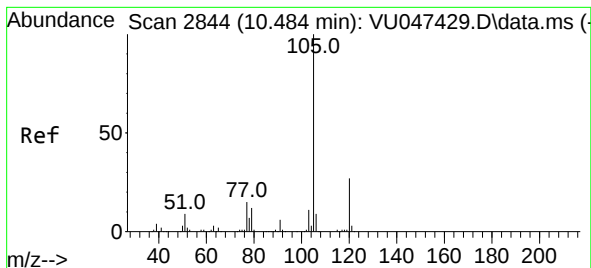
Tgt Ion: 83 Resp: 55560  
Ion Ratio Lower Upper  
83 100  
85 65.0 46.0 85.4  
131 10.0 8.2 12.4



#59  
Bromoform  
Concen: 5.558 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion: 173 Resp: 32296  
Ion Ratio Lower Upper  
173 100  
175 48.3 38.7 58.1  
254 11.0 9.0 13.4





#60

Isopropylbenzene

Concen: 5.340 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005093

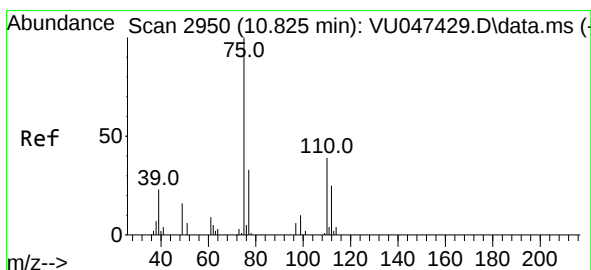
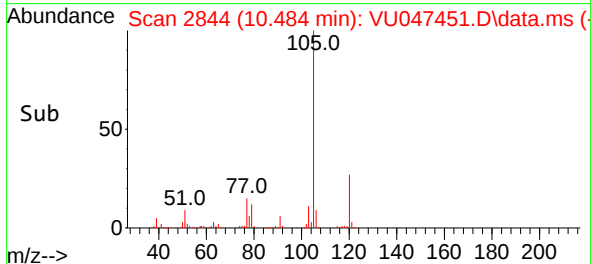
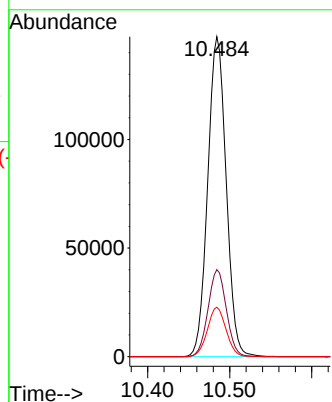
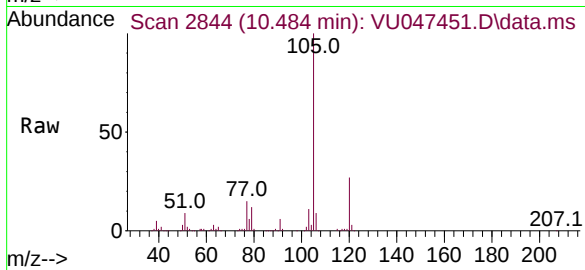
Tgt Ion:105 Resp: 230599

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6

77 15.7 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 5.543 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

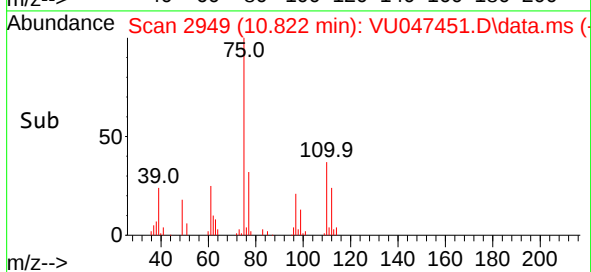
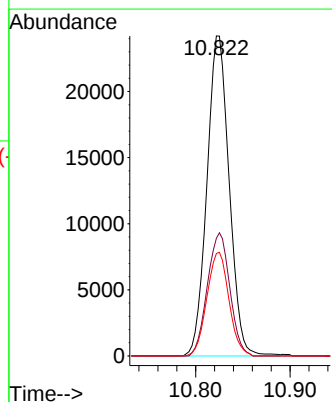
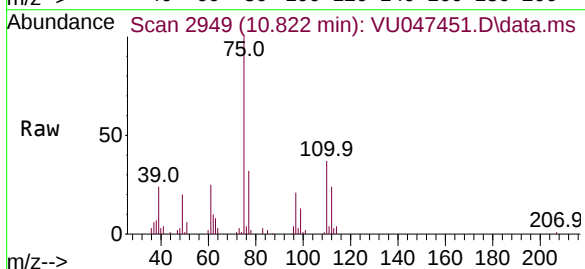
Tgt Ion: 75 Resp: 39624

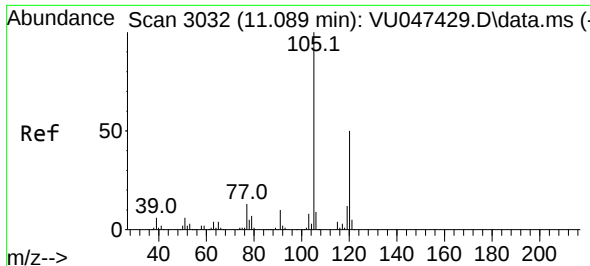
Ion Ratio Lower Upper

75 100

110 38.6 31.0 46.4

77 32.0 26.2 39.4

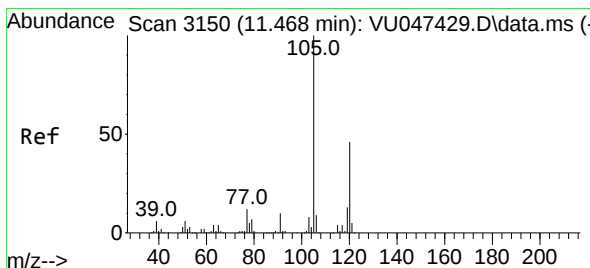
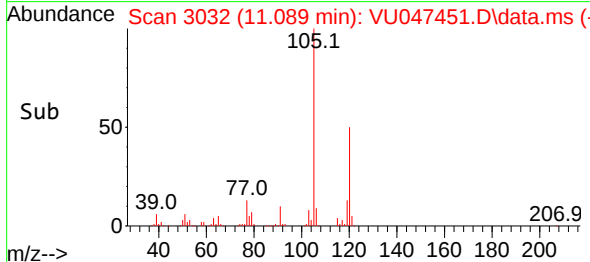
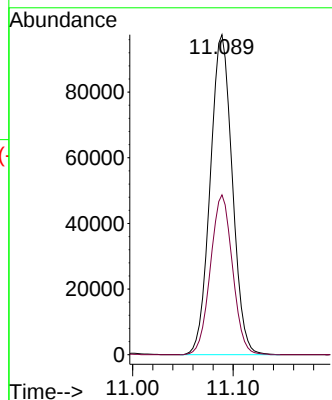
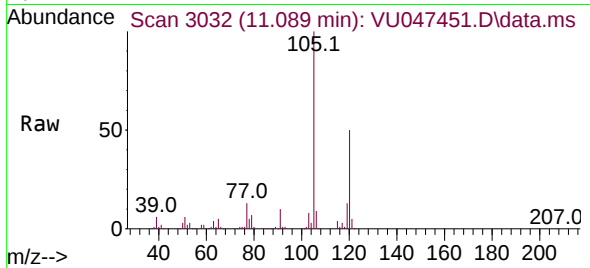




#62  
1,3,5-Trimethylbenzene  
Concen: 5.250 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

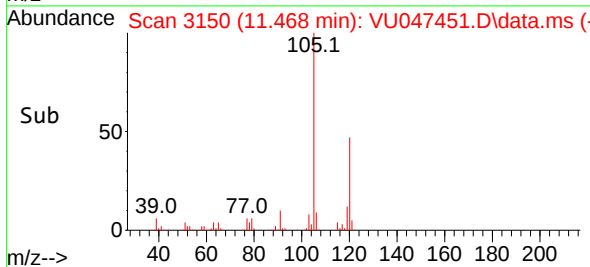
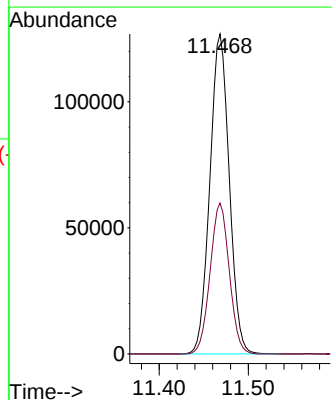
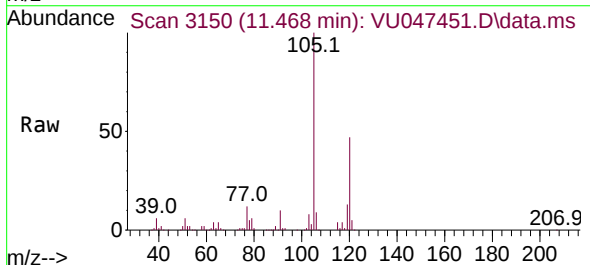
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

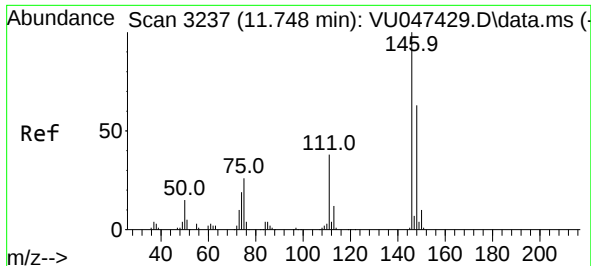
Tgt Ion:105 Resp: 148702  
Ion Ratio Lower Upper  
105 100  
120 49.8 40.1 60.1



#63  
1,2,4-Trimethylbenzene  
Concen: 5.215 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion:105 Resp: 191614  
Ion Ratio Lower Upper  
105 100  
120 46.6 37.2 55.8

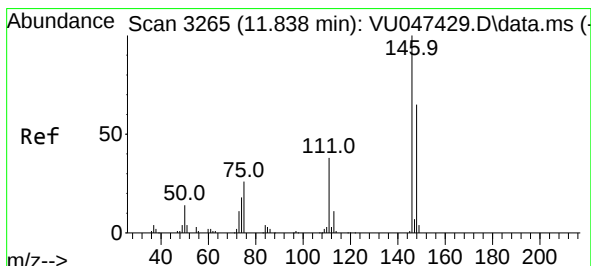
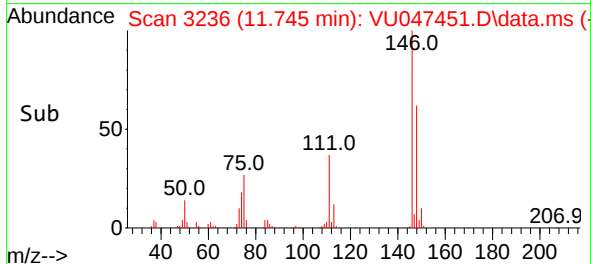
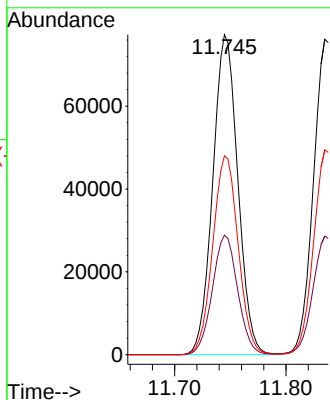
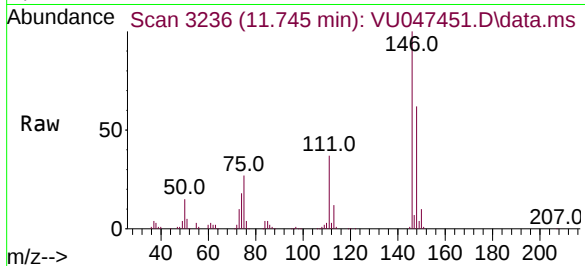




#64  
1,3-Dichlorobenzene  
Concen: 5.273 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

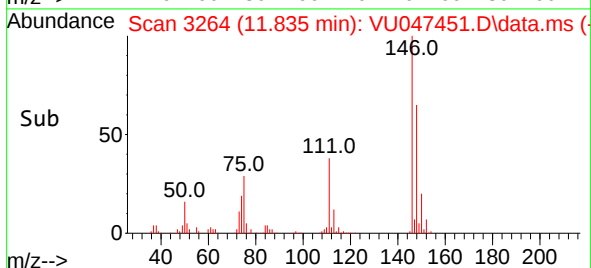
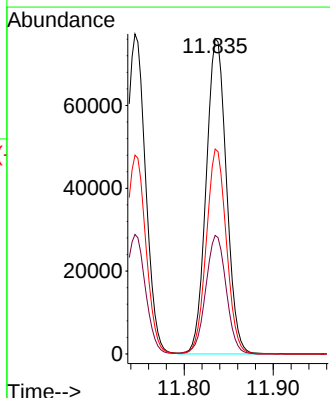
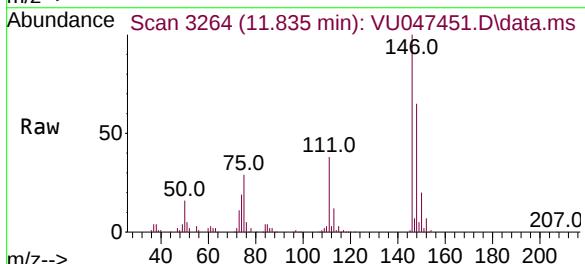
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

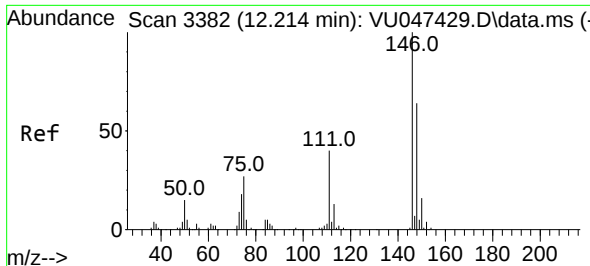
Tgt Ion:146 Resp: 120678  
Ion Ratio Lower Upper  
146 100  
111 37.3 27.0 50.2  
148 62.2 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 5.173 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion:146 Resp: 120229  
Ion Ratio Lower Upper  
146 100  
111 37.6 26.1 48.5  
148 65.0 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 5.344 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005093

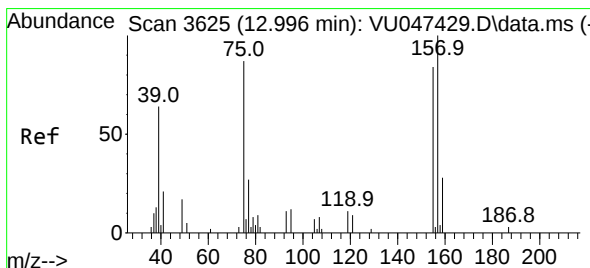
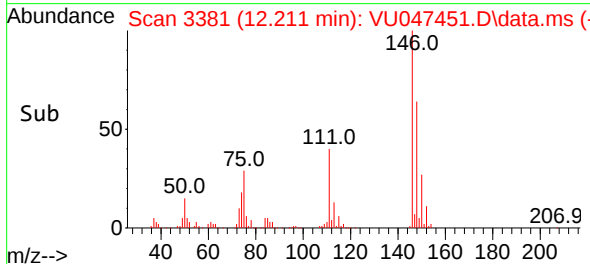
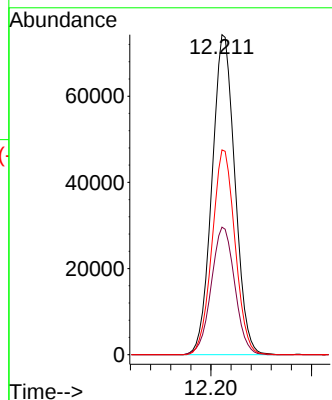
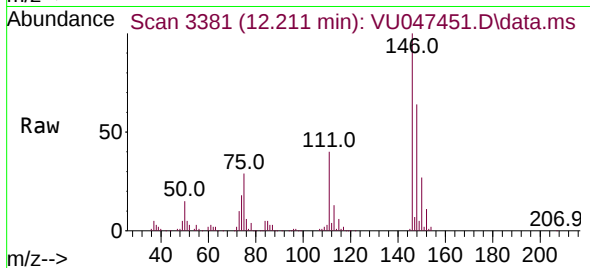
Tgt Ion:146 Resp: 117530

Ion Ratio Lower Upper

146 100

111 39.9 31.9 47.9

148 64.0 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.706 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

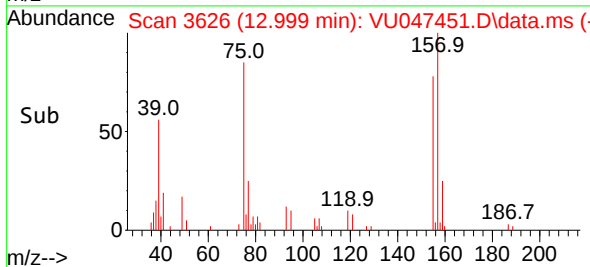
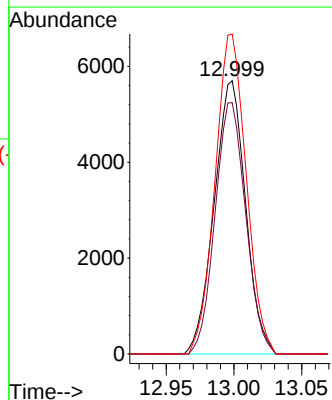
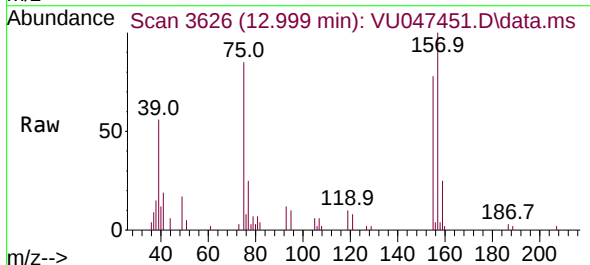
Tgt Ion: 75 Resp: 9196

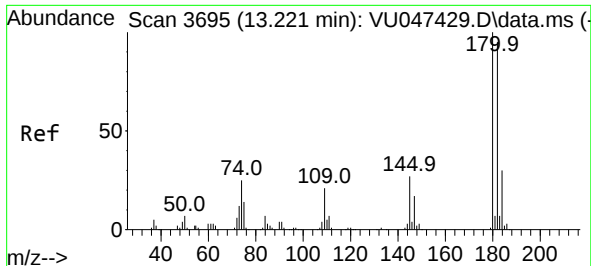
Ion Ratio Lower Upper

75 100

155 91.9 71.3 106.9

157 117.1 88.6 132.8





#69

1,3,5-Trichlorobenzene

Concen: 4.986 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005093

Tgt Ion:180 Resp: 93600

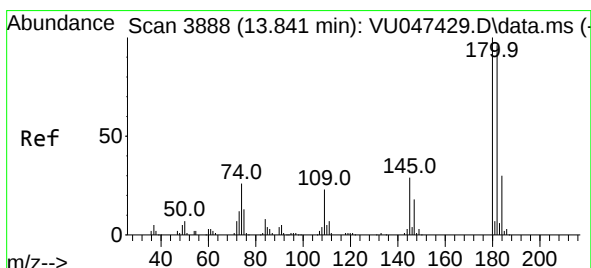
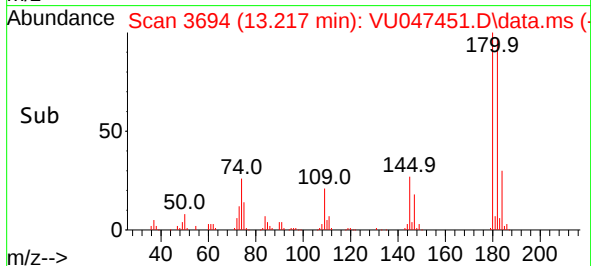
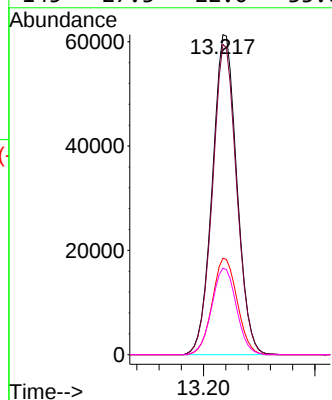
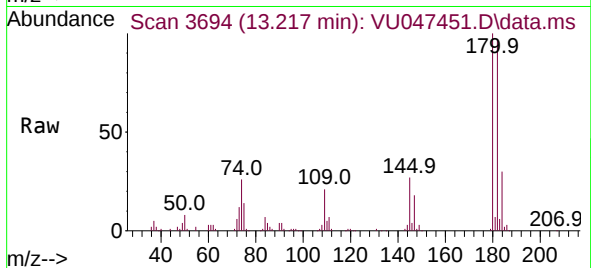
Ion Ratio Lower Upper

180 100

182 95.8 77.1 115.7

184 30.7 25.0 37.4

145 27.3 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 5.021 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU047451.D

Acq: 10 Mar 2022 11:10

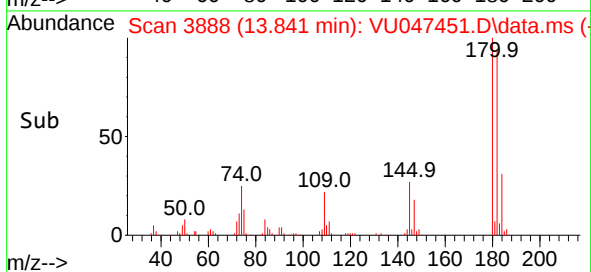
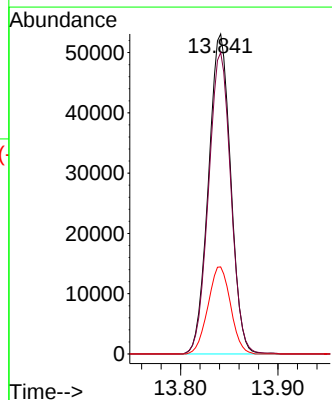
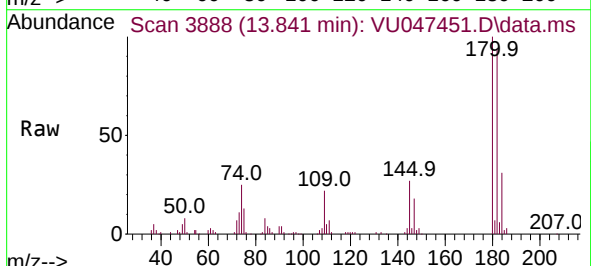
Tgt Ion:180 Resp: 84005

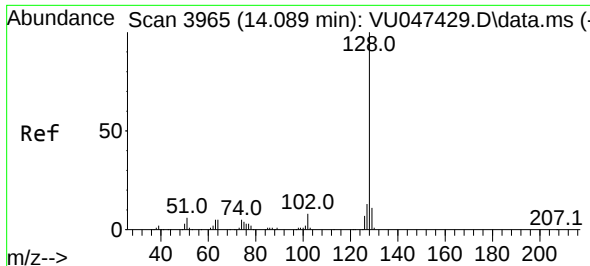
Ion Ratio Lower Upper

180 100

182 94.7 76.6 114.8

145 27.8 22.4 33.6

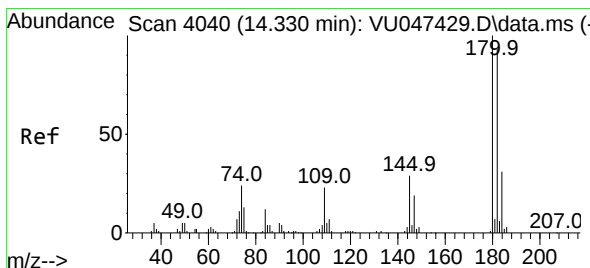
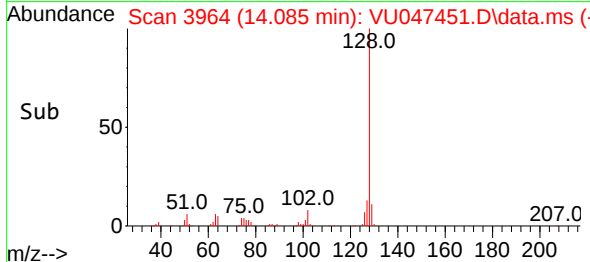
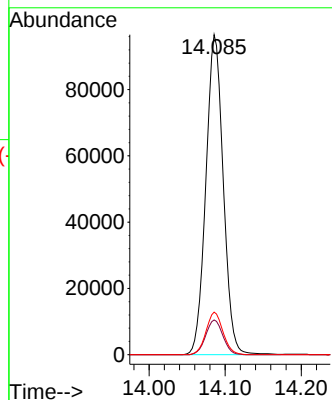
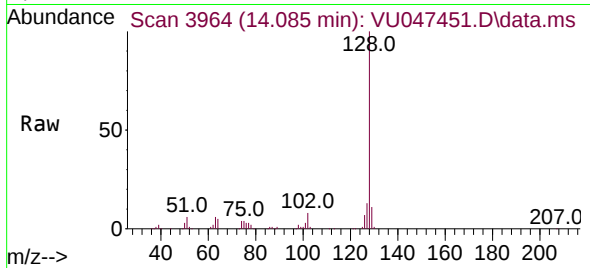




#71  
Naphthalene  
Concen: 5.131 ug/L  
RT: 14.085 min Scan# 3965  
Delta R.T. -0.003 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005093

Tgt Ion:128 Resp: 153563  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.6 13.0  
127 13.0 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.125 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU047451.D  
Acq: 10 Mar 2022 11:10

Tgt Ion:180 Resp: 78631  
Ion Ratio Lower Upper  
180 100  
182 96.2 77.0 115.6  
145 29.3 23.4 35.2

