

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U062222\  
 Data File : U049367.D  
 Acq On : 23 Jun 2022 10:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 24 01:07:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 23 02:04:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 243562   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 229540   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 119141   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 77361    | 51.558   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 103.120% |
| 7) Chloroethane-d5            | 1.909   | 69    | 52168    | 47.352   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 94.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 141650   | 50.030   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.060% |
| 21) 2-Butanone-d5             | 4.626   | 46    | 181914   | 110.580  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 110.580% |
| 24) Chloroform-d              | 5.063   | 84    | 166594   | 52.047   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.100% |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 101826   | 49.103   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.200%  |
| 32) Benzene-d6                | 5.729   | 84    | 294650   | 51.767   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.540% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 106941   | 55.889   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 111.780% |
| 41) Toluene-d8                | 7.899   | 98    | 267505   | 53.291   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.580% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 49613    | 55.114   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 110.220% |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 117159   | 116.990  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 116.990% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 162830   | 50.950   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.900% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 108339   | 52.262   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.520% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 96656    | 44.970   | ug/L   | 99       |
| 3) Chloromethane              | 1.520   | 50    | 103750   | 45.794   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604   | 62    | 101246   | 47.141   | ug/L   | 96       |
| 6) Bromomethane               | 1.855   | 94    | 56227    | 47.329   | ug/L   | 100      |
| 8) Chloroethane               | 1.932   | 64    | 56922    | 47.453   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.137   | 101   | 141934   | 46.956   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581   | 101   | 83724    | 48.794   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 71810    | 47.810   | ug/L   | 96       |
| 13) Acetone                   | 2.636   | 43    | 161472   | 124.736  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.793   | 76    | 173635   | 45.460   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.951   | 43    | 134287   | 52.302   | ug/L   | 96       |
| 16) Methylene chloride        | 3.044   | 84    | 94826    | 48.481   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96    | 78476    | 47.519   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.363   | 73    | 305238   | 49.407   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.871   | 63    | 176618   | 49.643   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 96853    | 48.205   | ug/L   | 98       |
| 22) 2-Butanone                | 4.707   | 43    | 218810   | 109.992  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973   | 128   | 49765    | 47.192   | ug/L   | 91       |
| 25) Chloroform                | 5.089   | 83    | 182890   | 49.326   | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 24 01:07:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 23 02:04:00 2022  
 Response via : Initial Calibration

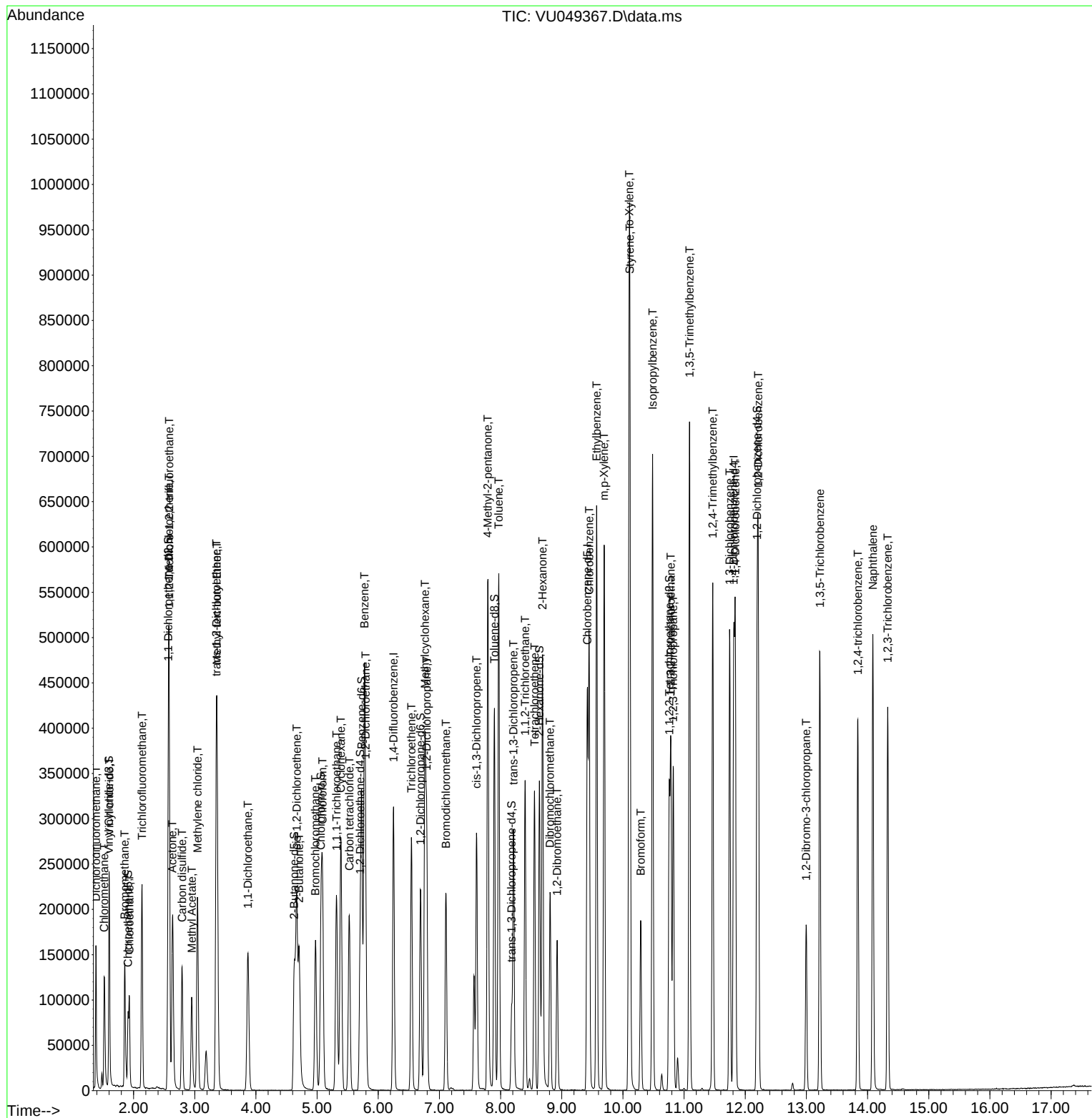
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 141734   | 46.958  | ug/L  | 99       |
| 29) Cyclohexane               | 5.388  | 56   | 142651   | 55.531  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 154432   | 48.243  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 132477   | 47.319  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 379713   | 51.060  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 95894    | 51.157  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 146818   | 56.112  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 109363   | 52.151  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.105  | 83   | 141148   | 50.696  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 162866   | 52.781  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 379704   | 107.473 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 403157   | 52.451  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 157082   | 51.410  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 101192   | 49.798  | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.555  | 164  | 68120    | 46.874  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.687  | 43   | 311528   | 108.463 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 108724   | 48.055  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 107183   | 50.139  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.449  | 112  | 248623   | 47.850  | ug/L  | 96       |
| 52) Ethylbenzene              | 9.571  | 91   | 442742   | 52.977  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 163696   | 49.879  | ug/L  | 88       |
| 54) o-Xylene                  | 10.102 | 106  | 163878   | 49.562  | ug/L  | 88       |
| 55) Styrene                   | 10.115 | 104  | 282365   | 51.136  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 188229   | 49.706  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 82634    | 46.997  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 146419   | 48.450  | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.484 | 105  | 443067   | 54.748  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 387348   | 56.063  | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 300371   | 54.606  | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 194510   | 48.997  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 191041   | 47.530  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 198227   | 48.116  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 46980    | 47.101  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 141178   | 49.781  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 119208   | 49.708  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 393202   | 46.344  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 122262   | 48.197  | ug/L  | 98       |

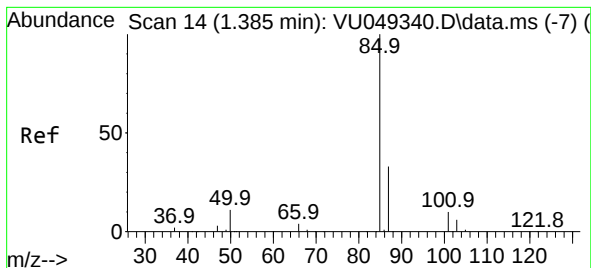
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Jun 23 02:04:00 2022  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 44.970 ug/L

RT: 1.385 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

Instrument :

MSVOA\_U

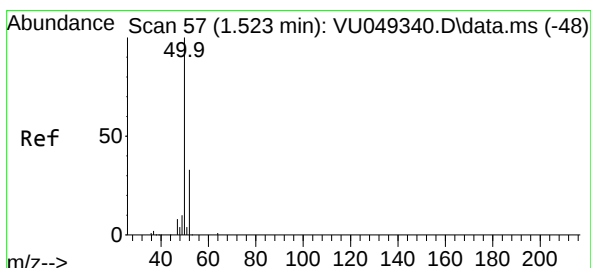
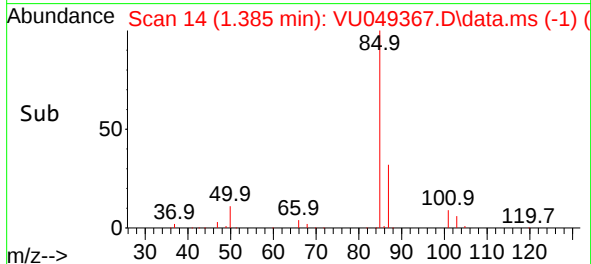
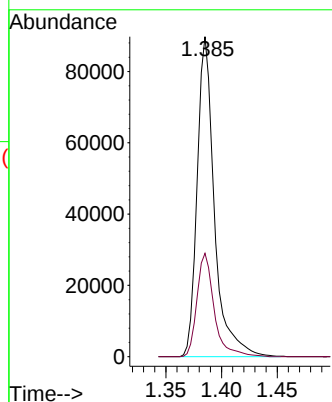
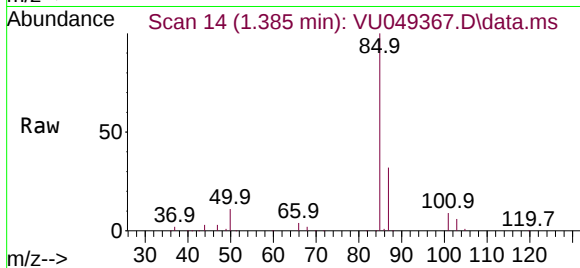
ClientSampleId :

Tgt Ion: 85 Resp: 96656

Ion Ratio Lower Upper

85 100

87 32.3 26.3 39.5



#3

Chloromethane

Concen: 45.794 ug/L

RT: 1.520 min Scan# 56

Delta R.T. -0.003 min

Lab File: VU049367.D

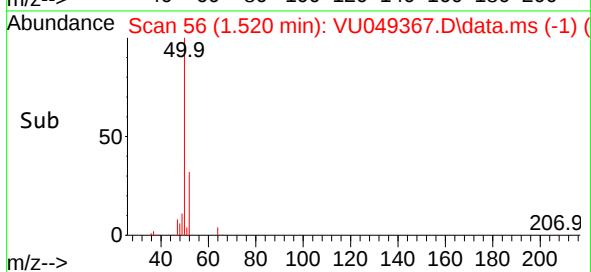
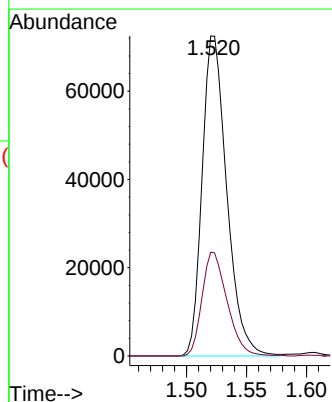
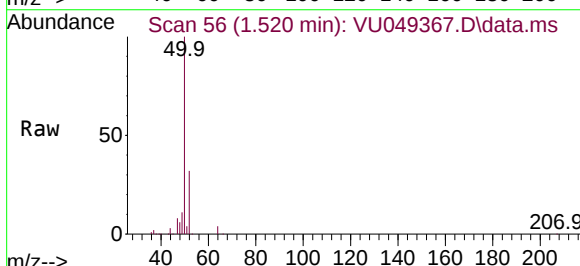
Acq: 23 Jun 2022 10:00

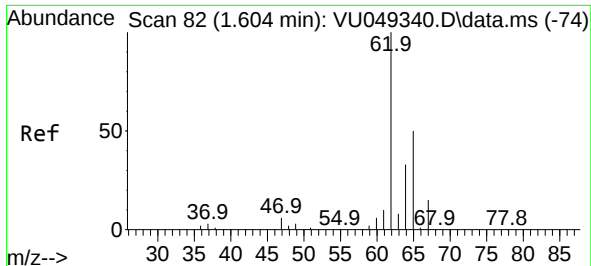
Tgt Ion: 50 Resp: 103750

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1

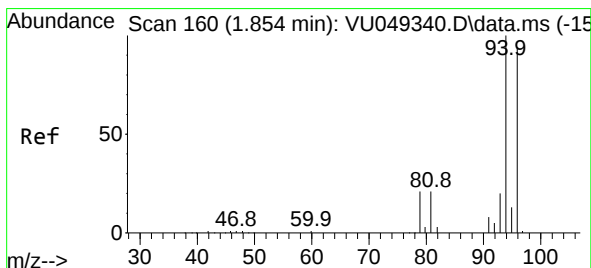
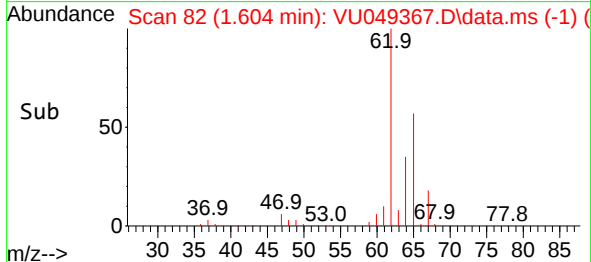
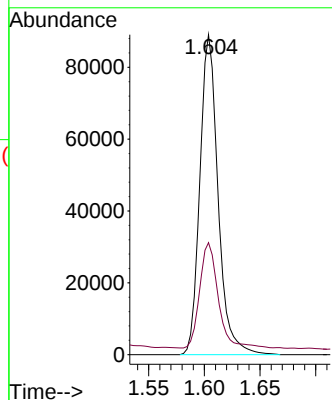
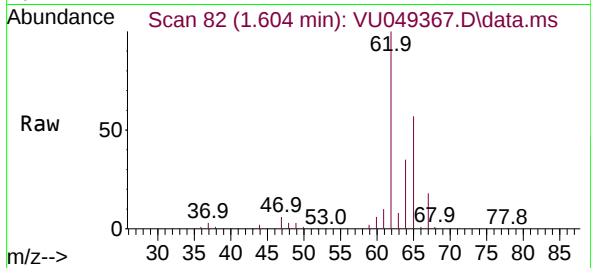




#5  
 Vinyl chloride  
 Concen: 47.141 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU049367.D  
 Acq: 23 Jun 2022 10:00

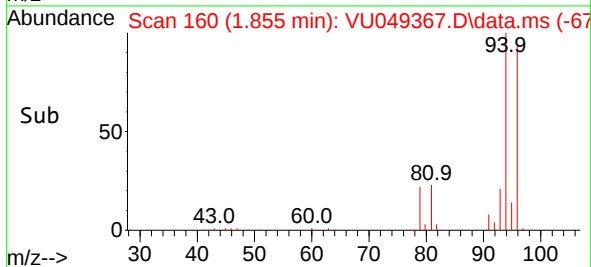
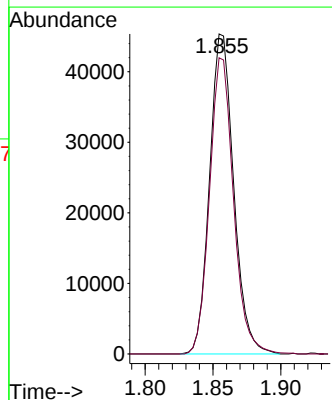
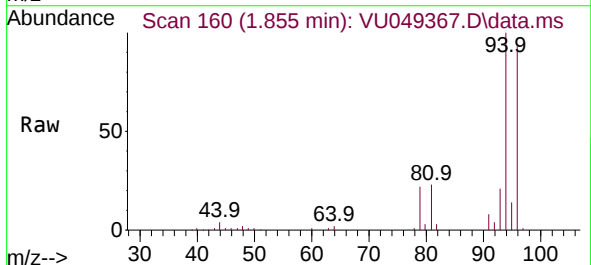
Instrument :  
 MSVOA\_U  
 ClientSampleId :

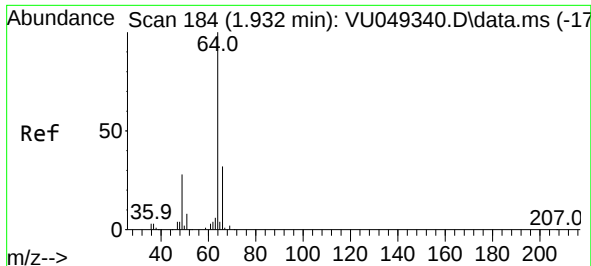
Tgt Ion: 62 Resp: 101246  
 Ion Ratio Lower Upper  
 62 100  
 64 35.0 22.7 42.3



#6  
 Bromomethane  
 Concen: 47.329 ug/L  
 RT: 1.855 min Scan# 160  
 Delta R.T. 0.000 min  
 Lab File: VU049367.D  
 Acq: 23 Jun 2022 10:00

Tgt Ion: 94 Resp: 56227  
 Ion Ratio Lower Upper  
 94 100  
 96 92.5 65.1 120.9

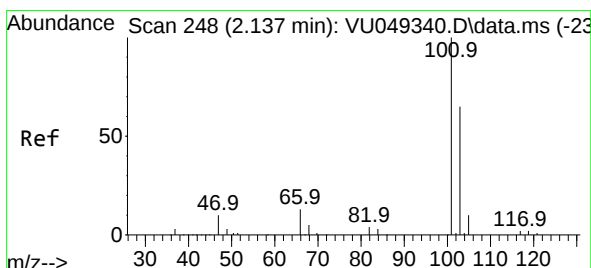
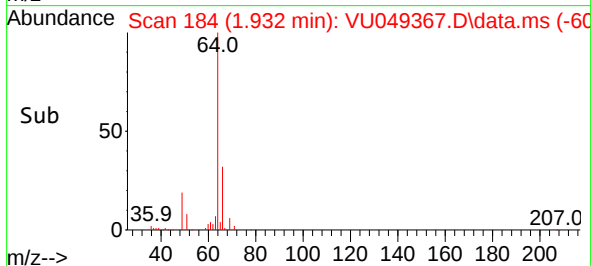
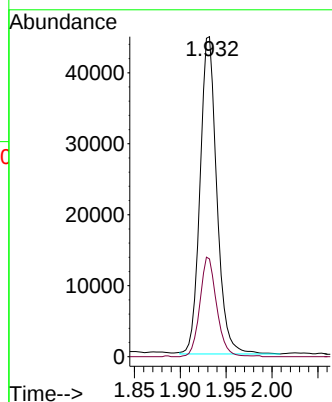
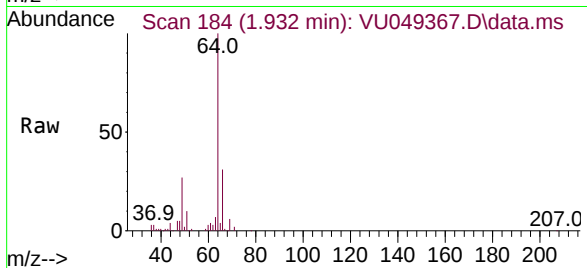




#8  
Chloroethane  
Concen: 47.453 ug/L  
RT: 1.932 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

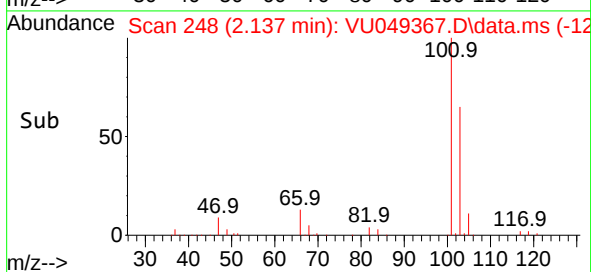
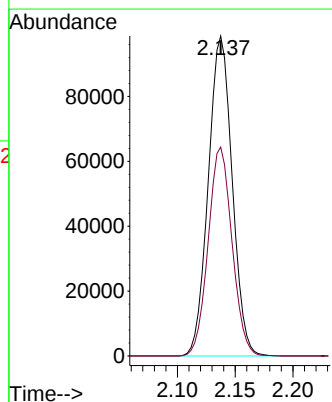
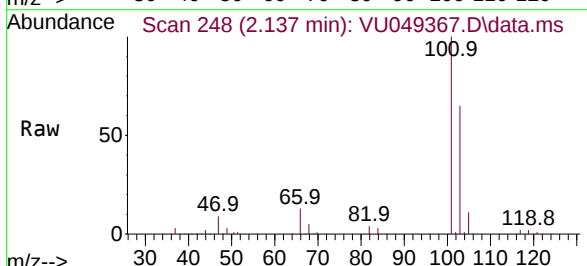
Instrument :  
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ClientSampleId :

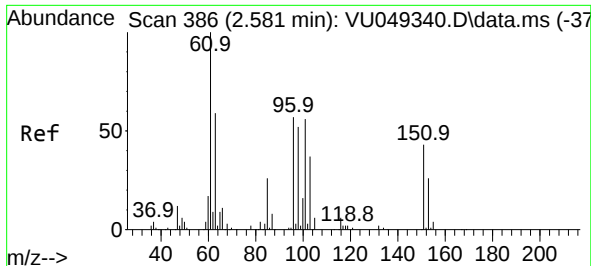
Tgt Ion: 64 Resp: 56922  
Ion Ratio Lower Upper  
64 100  
66 30.5 23.7 43.9



#9  
Trichlorofluoromethane  
Concen: 46.956 ug/L  
RT: 2.137 min Scan# 248  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:101 Resp: 141934  
Ion Ratio Lower Upper  
101 100  
103 65.1 51.3 76.9

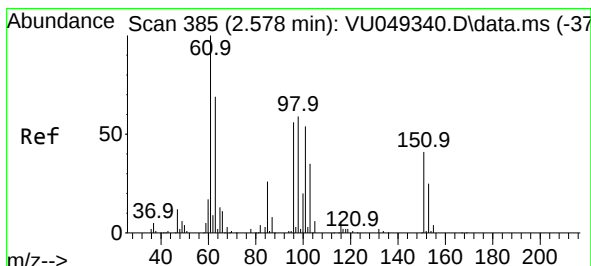
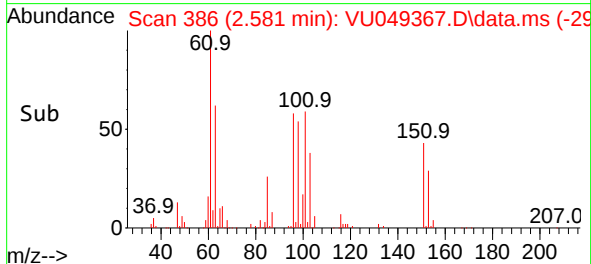
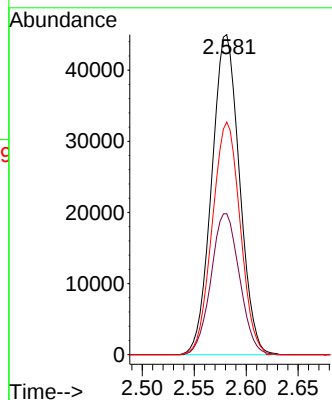
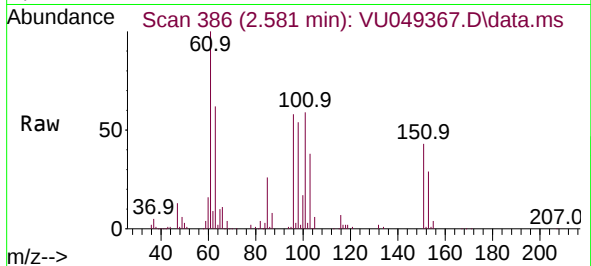




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 48.794 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.000 min  
 Lab File: VU049367.D  
 Acq: 23 Jun 2022 10:00

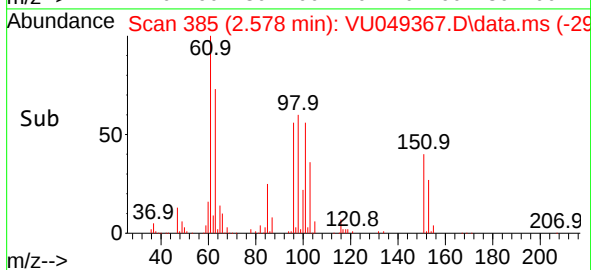
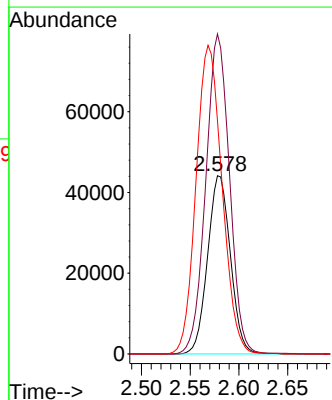
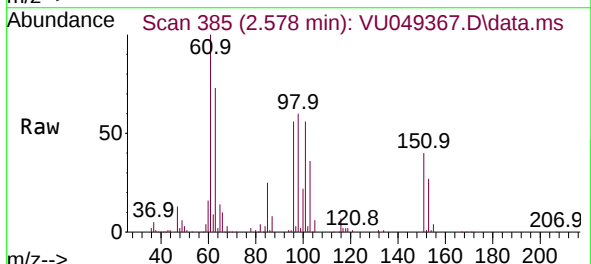
Instrument :  
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 ClientSampleId :

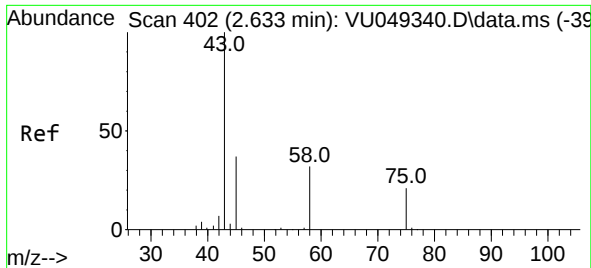
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 Ion Ratio Lower Upper  
 101 100  
 85 45.2 35.2 52.8  
 151 73.1 61.4 92.2



#12  
 1,1-Dichloroethene  
 Concen: 47.810 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. 0.000 min  
 Lab File: VU049367.D  
 Acq: 23 Jun 2022 10:00

Tgt Ion: 96 Resp: 71810  
 Ion Ratio Lower Upper  
 96 100  
 61 179.5 123.5 229.3  
 63 130.8 86.0 159.8





#13

Acetone

Concen: 124.736 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

Instrument :

MSVOA\_U

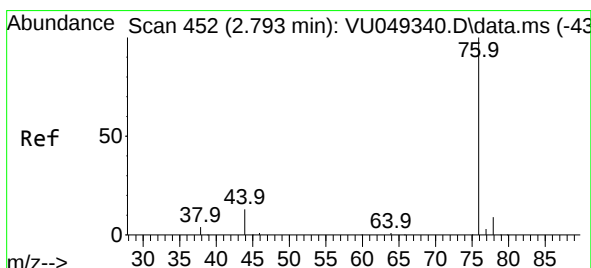
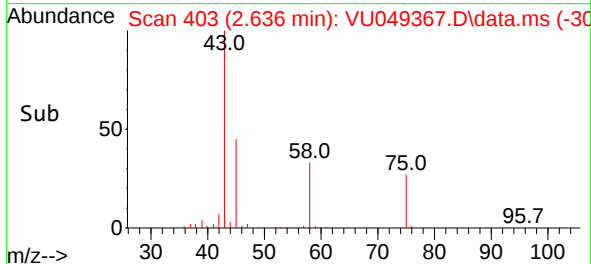
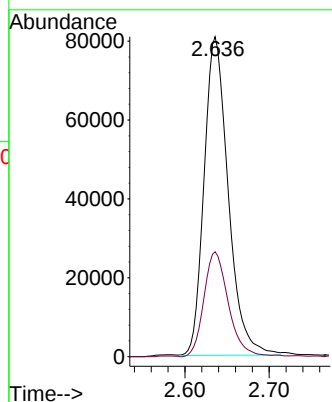
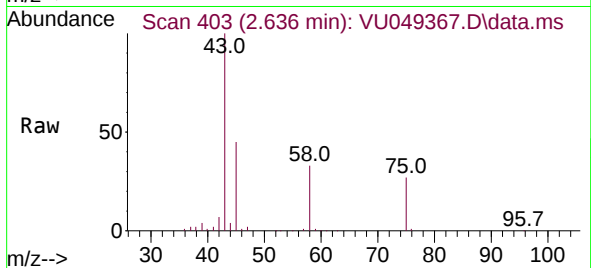
ClientSampleId :

Tgt Ion: 43 Resp: 161472

Ion Ratio Lower Upper

43 100

58 33.3 0.0 66.4



#14

Carbon disulfide

Concen: 45.460 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU049367.D

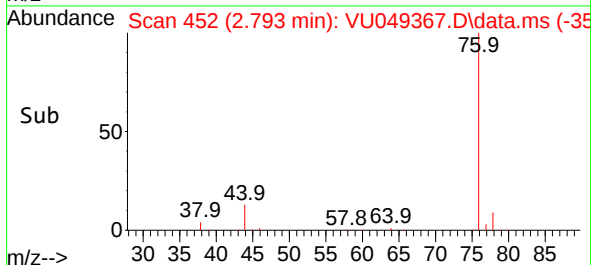
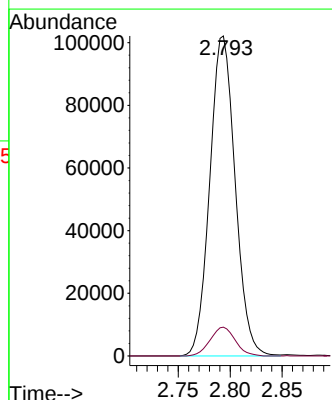
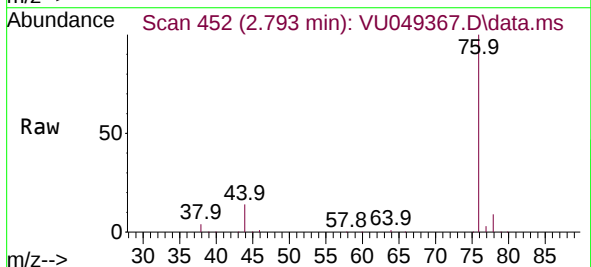
Acq: 23 Jun 2022 10:00

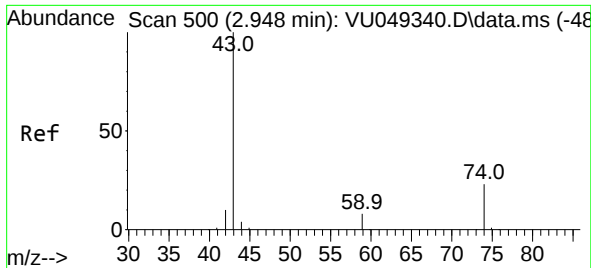
Tgt Ion: 76 Resp: 173635

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

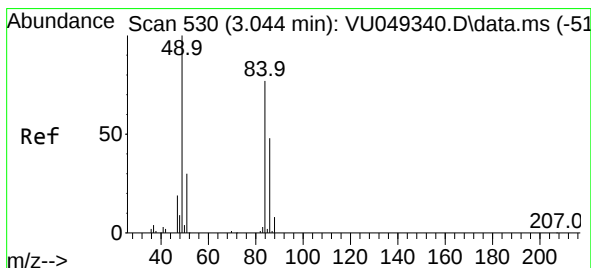
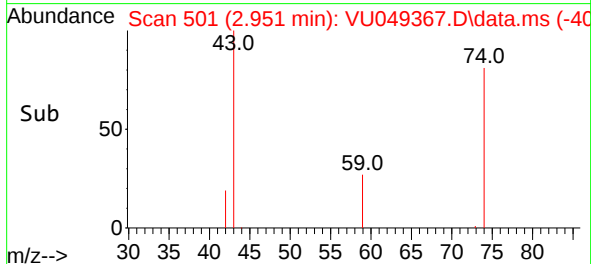
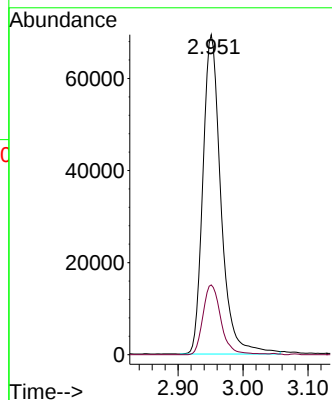
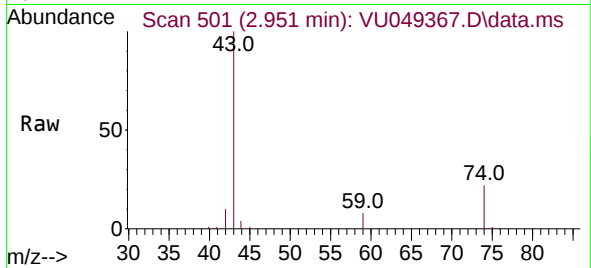




#15  
Methyl Acetate  
Concen: 52.302 ug/L  
RT: 2.951 min Scan# 501  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

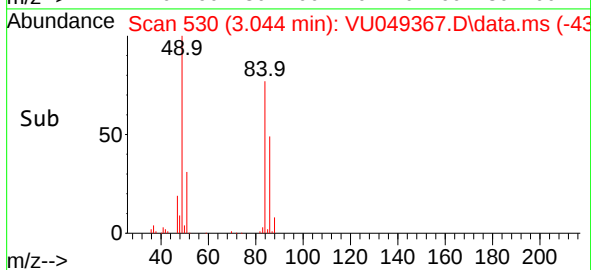
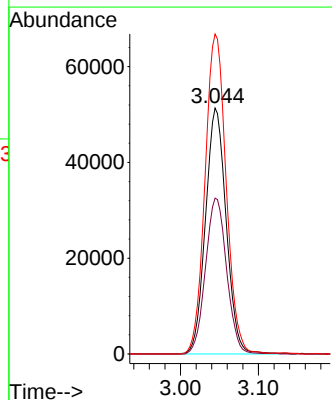
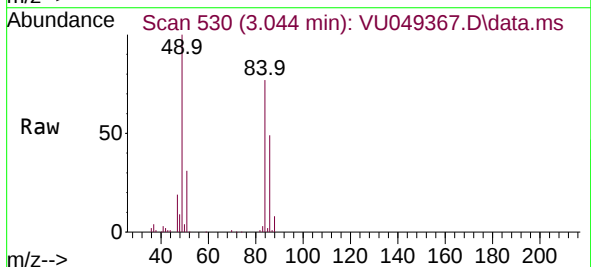
Instrument :  
MSVOA\_U  
ClientSampleId :

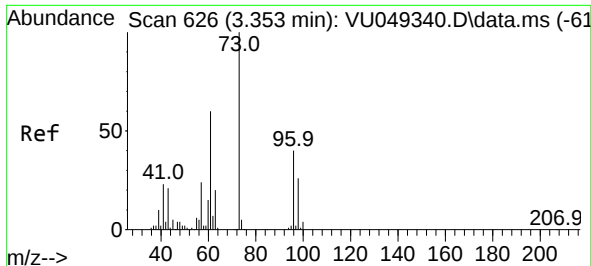
Tgt Ion: 43 Resp: 134287  
Ion Ratio Lower Upper  
43 100  
74 21.9 19.0 28.6



#16  
Methylene chloride  
Concen: 48.481 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

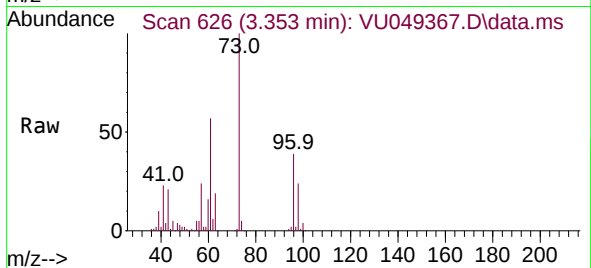
Tgt Ion: 84 Resp: 94826  
Ion Ratio Lower Upper  
84 100  
86 63.3 45.8 85.0  
49 130.1 83.4 155.0



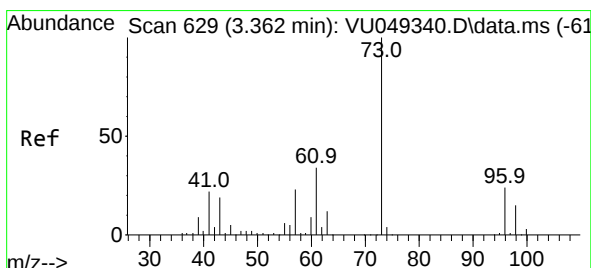
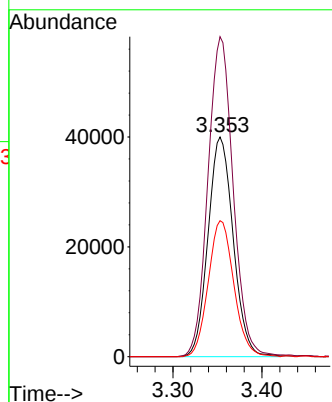
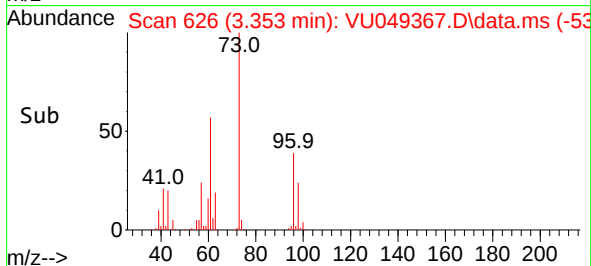


#17  
trans-1,2-Dichloroethene  
Concen: 47.519 ug/L  
RT: 3.353 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

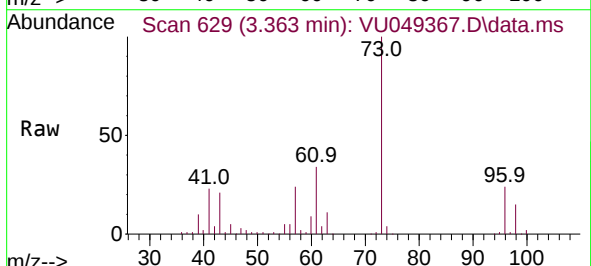
Instrument :  
MSVOA\_U  
ClientSampleId :



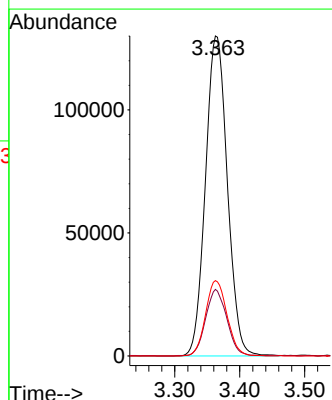
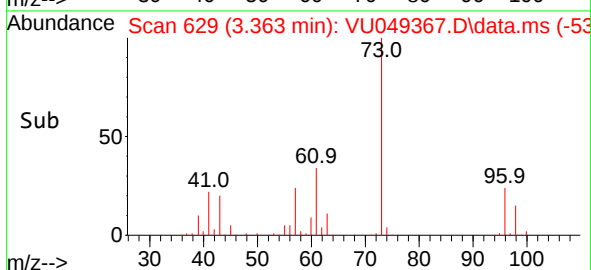
Tgt Ion: 96 Resp: 78476  
Ion Ratio Lower Upper  
96 100  
61 145.7 99.3 184.3  
98 62.0 44.7 83.1

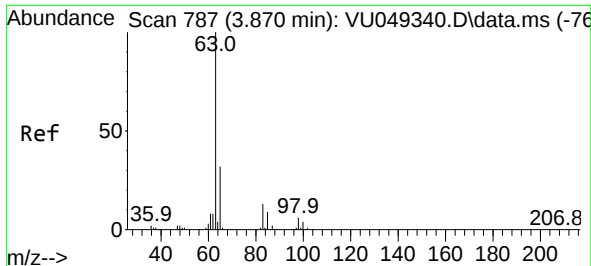


#18  
Methyl tert-butyl Ether  
Concen: 49.407 ug/L  
RT: 3.363 min Scan# 629  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00



Tgt Ion: 73 Resp: 305238  
Ion Ratio Lower Upper  
73 100  
43 19.9 15.0 22.4  
57 23.0 17.3 25.9





#19

1,1-Dichloroethane

Concen: 49.643 ug/L

RT: 3.871 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

Instrument :

MSVOA\_U

ClientSampleId :

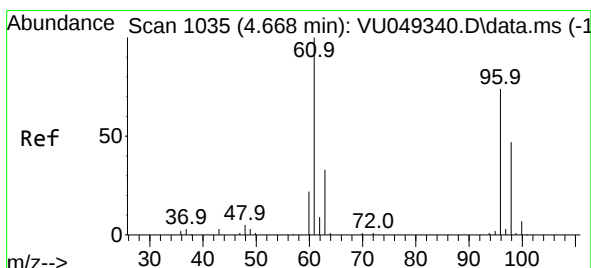
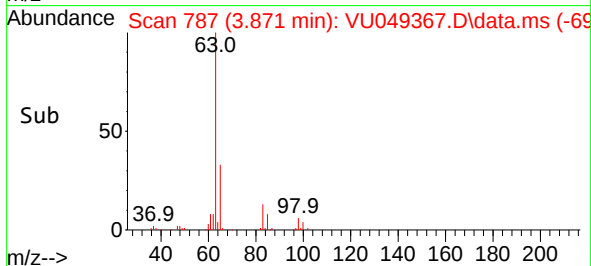
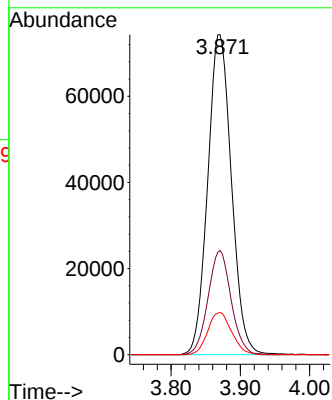
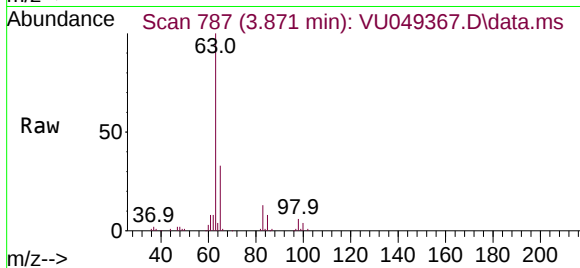
Tgt Ion: 63 Resp: 176618

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 13.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 48.205 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

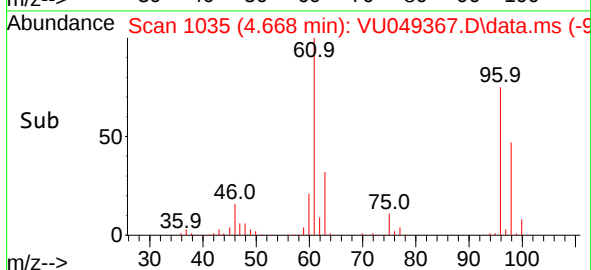
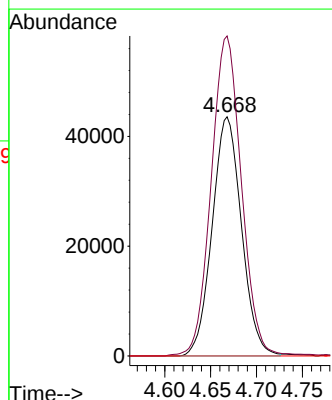
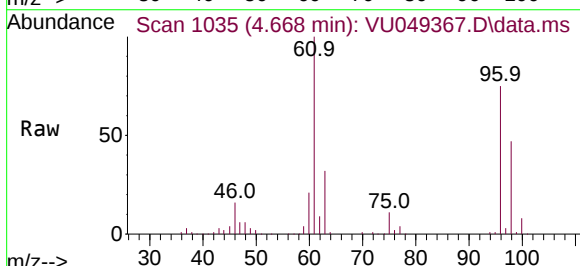
Tgt Ion: 96 Resp: 96853

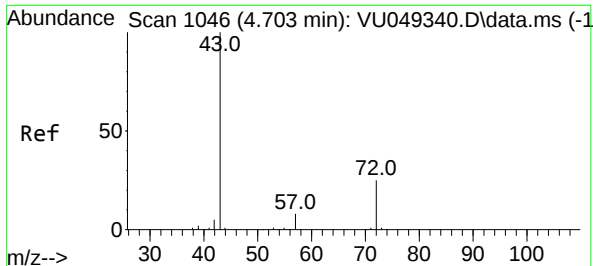
Ion Ratio Lower Upper

96 100

61 133.8 91.6 170.2

68 0.0 0.0 0.0

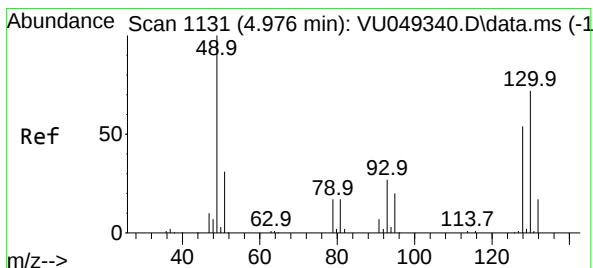
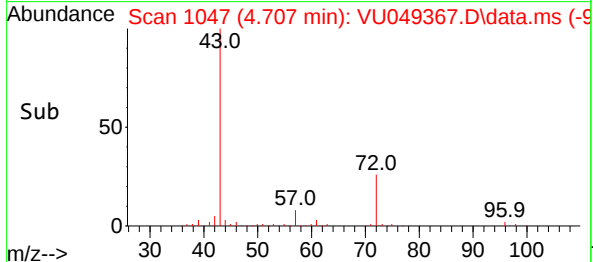
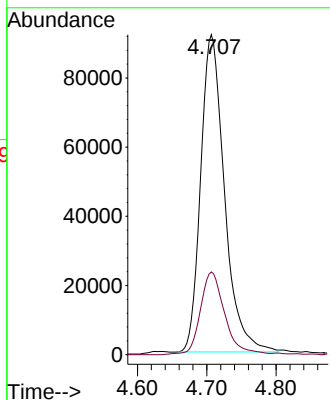
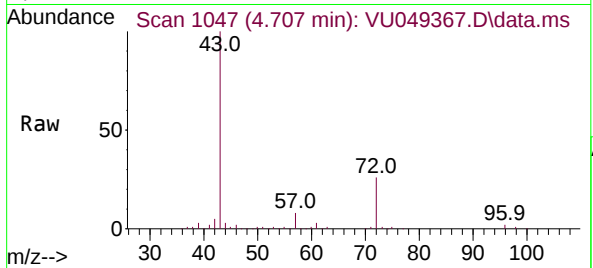




#22  
2-Butanone  
Concen: 109.992 ug/L  
RT: 4.707 min Scan# 110  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

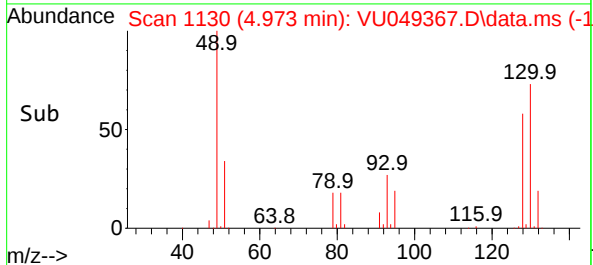
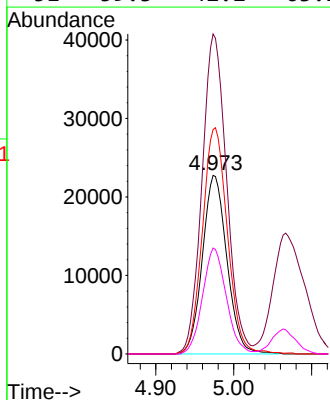
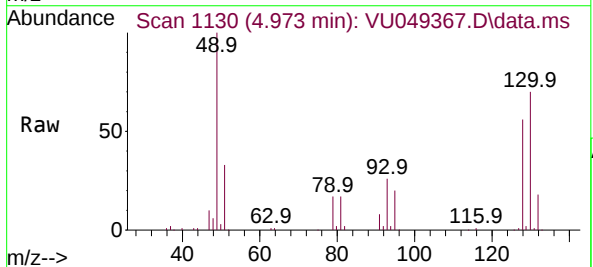
Instrument :  
MSVOA\_U  
ClientSampleId :

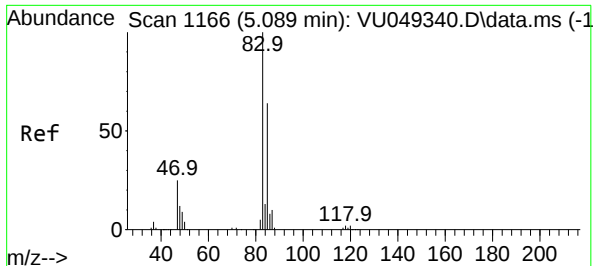
Tgt Ion: 43 Resp: 218810  
Ion Ratio Lower Upper  
43 100  
72 26.6 13.7 41.0



#23  
Bromochloromethane  
Concen: 47.192 ug/L  
RT: 4.973 min Scan# 1130  
Delta R.T. -0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:128 Resp: 49765  
Ion Ratio Lower Upper  
128 100  
49 179.2 111.9 207.9  
130 125.7 88.6 164.6  
51 59.3 42.2 63.2





#25

Chloroform

Concen: 49.326 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

Instrument :

MSVOA\_U

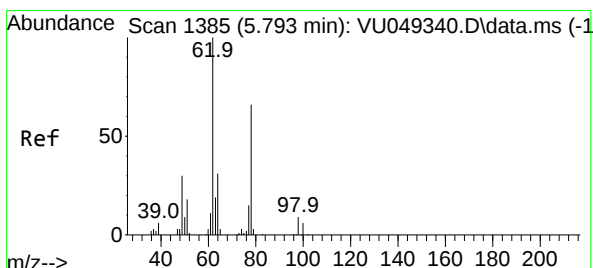
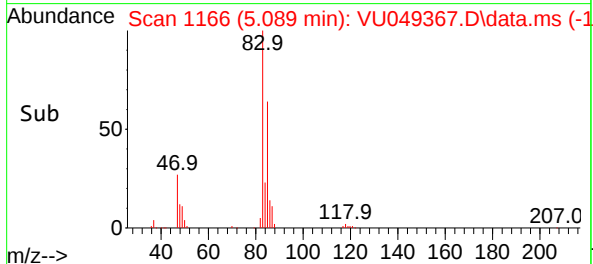
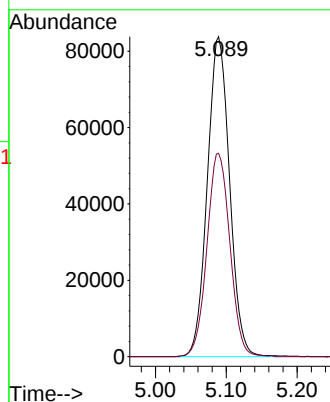
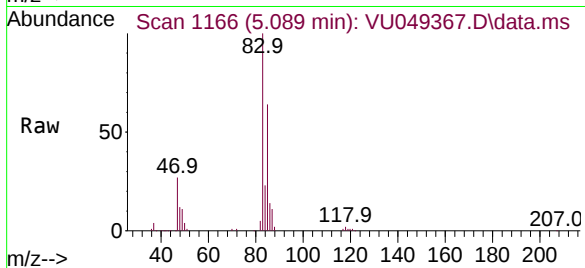
ClientSampleId :

Tgt Ion: 83 Resp: 182890

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.9



#27

1,2-Dichloroethane

Concen: 46.958 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049367.D

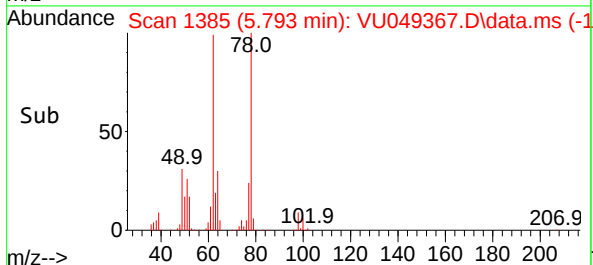
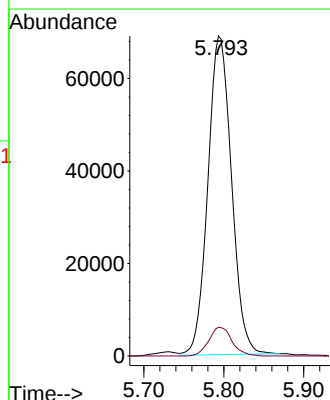
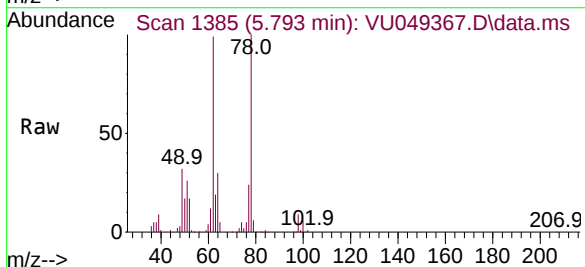
Acq: 23 Jun 2022 10:00

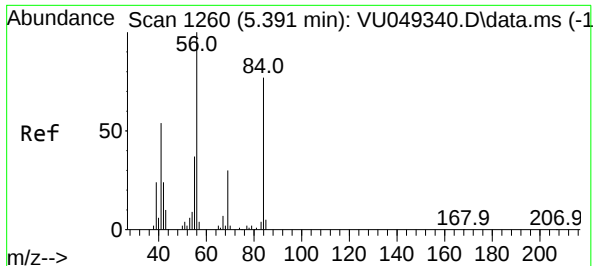
Tgt Ion: 62 Resp: 141734

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.4





#29

Cyclohexane

Concen: 55.531 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

Instrument :

MSVOA\_U

ClientSampleId :

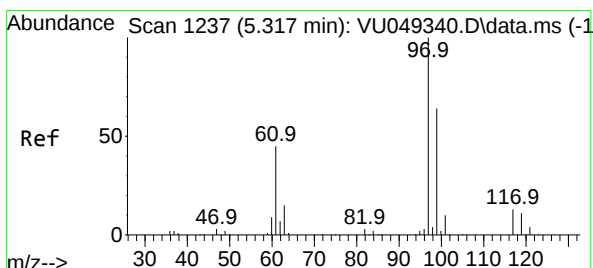
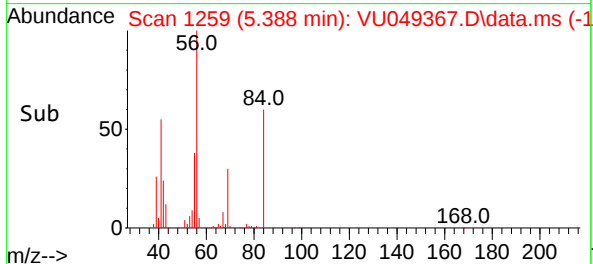
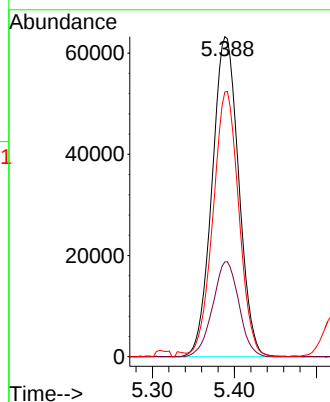
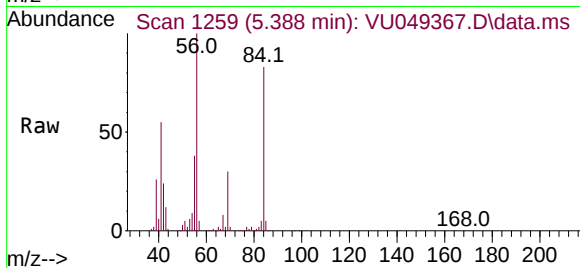
Tgt Ion: 56 Resp: 142651

Ion Ratio Lower Upper

56 100

69 29.2 24.6 36.8

84 80.5 69.7 104.5



#30

1,1,1-Trichloroethane

Concen: 48.243 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

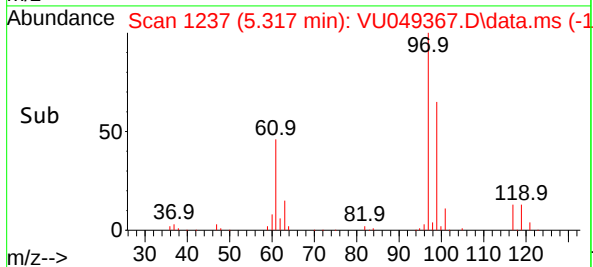
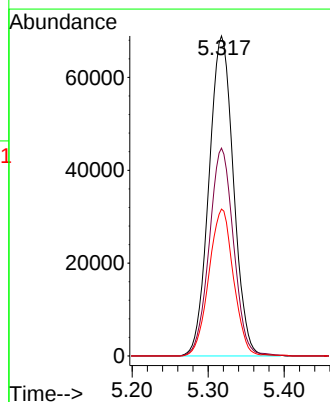
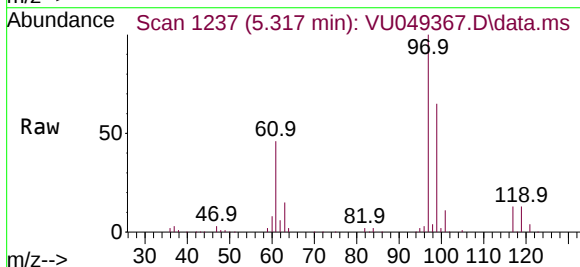
Tgt Ion: 97 Resp: 154432

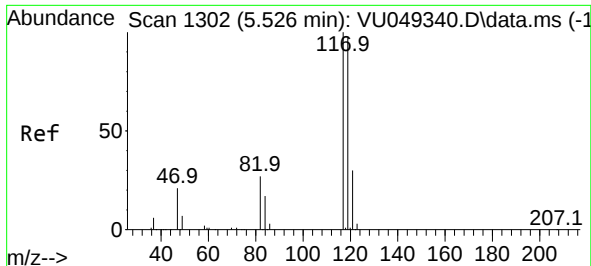
Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

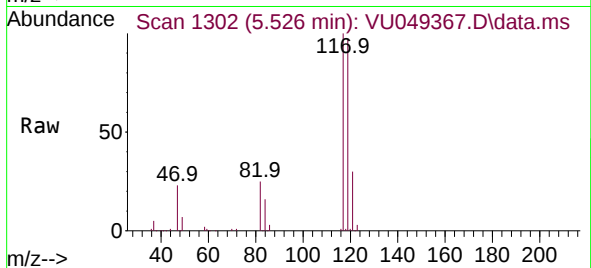
61 45.8 34.2 51.2



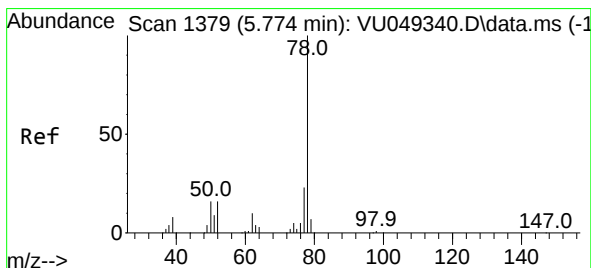
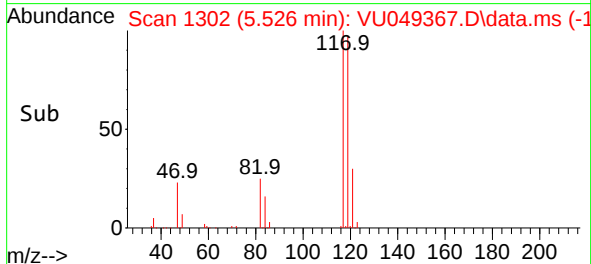
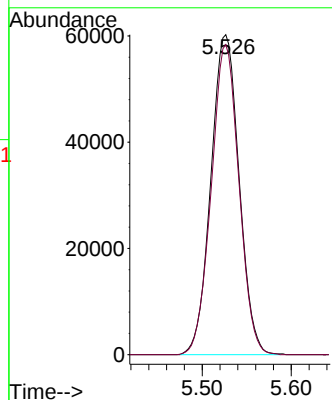


#31  
Carbon tetrachloride  
Concen: 47.319 ug/L  
RT: 5.526 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Instrument :  
MSVOA\_U  
ClientSampleId :

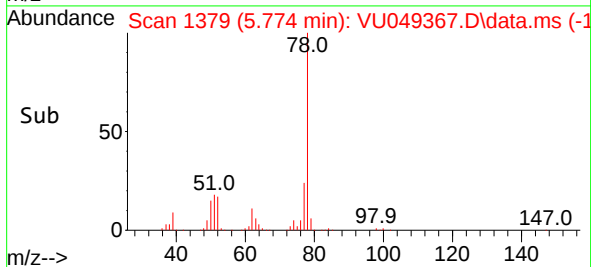
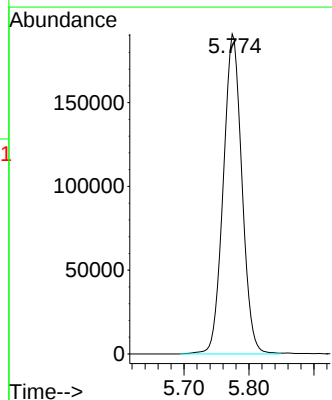
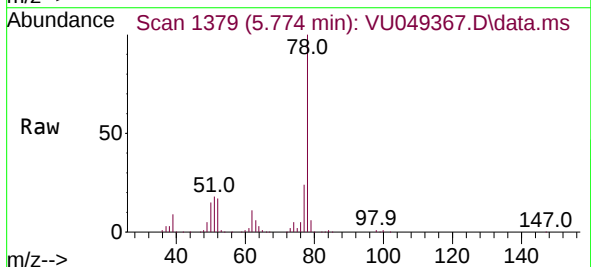


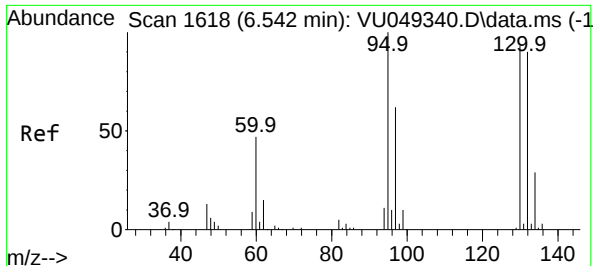
Tgt Ion:117 Resp: 132477  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.5 114.7



#33  
Benzene  
Concen: 51.060 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion: 78 Resp: 379713

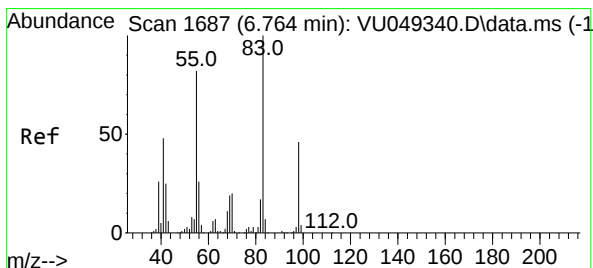
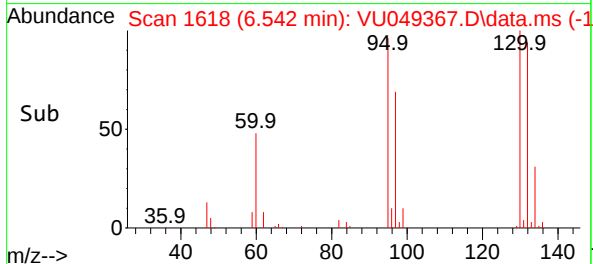
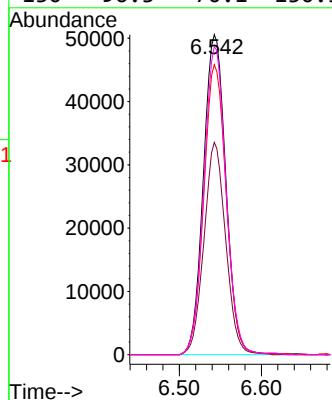
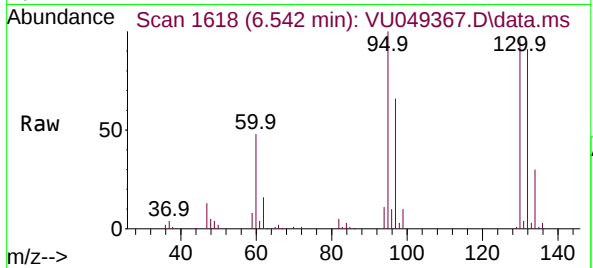




#34  
Trichloroethene  
Concen: 51.157 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

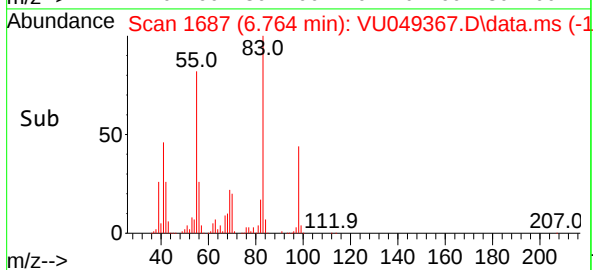
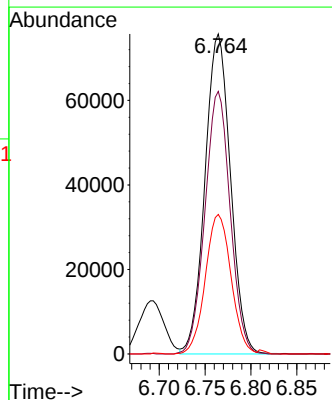
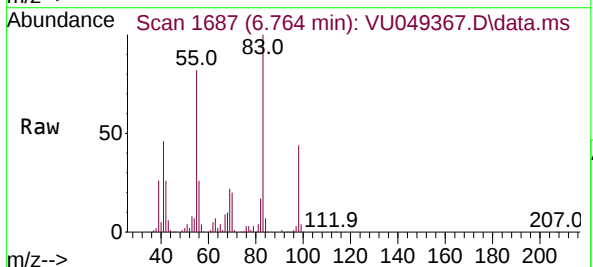
Instrument :  
MSVOA\_U  
ClientSampleId :

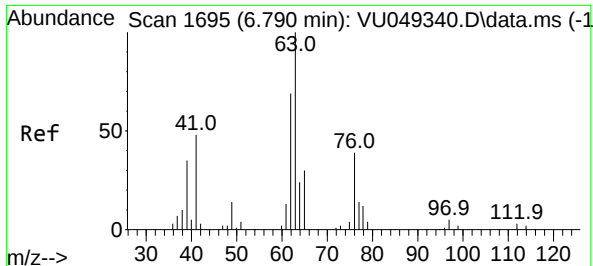
Tgt Ion: 95 Resp: 95894  
Ion Ratio Lower Upper  
95 100  
97 66.3 45.4 84.4  
132 90.7 67.6 125.6  
130 96.3 70.1 130.3



#35  
Methylcyclohexane  
Concen: 56.112 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion: 83 Resp: 146818  
Ion Ratio Lower Upper  
83 100  
55 81.0 61.0 91.6  
98 43.9 36.8 55.2

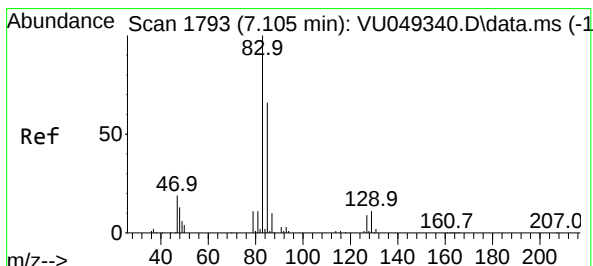
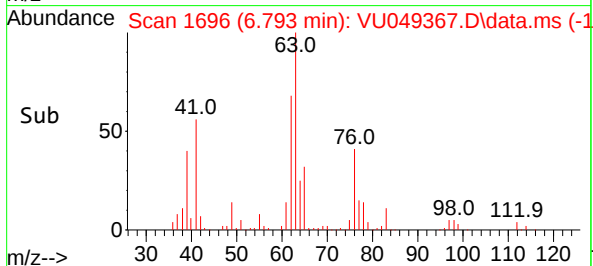
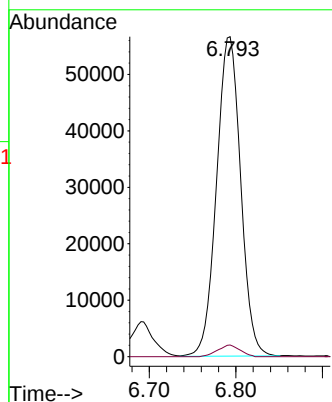
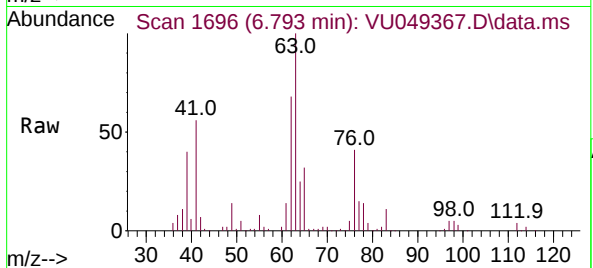




#37  
1,2-Dichloropropane  
Concen: 52.151 ug/L  
RT: 6.793 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

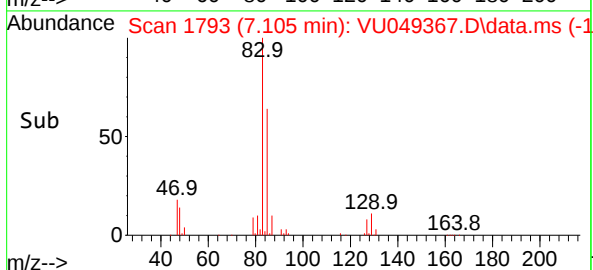
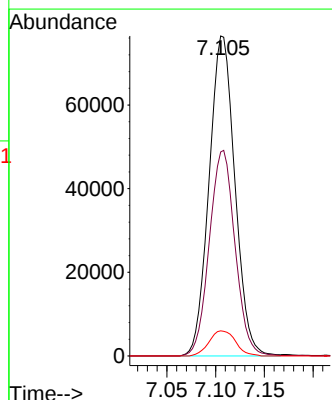
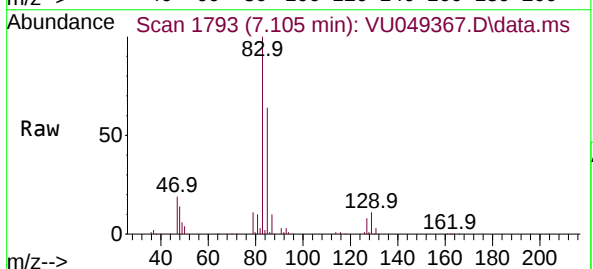
Instrument :  
MSVOA\_U  
ClientSampleId :

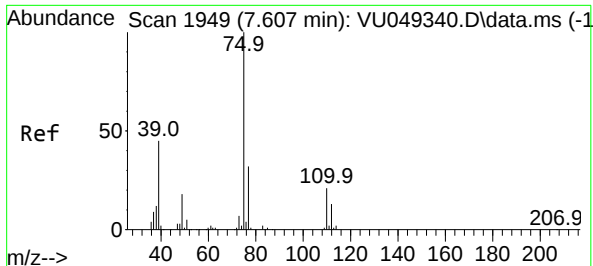
Tgt Ion: 63 Resp: 109363  
Ion Ratio Lower Upper  
63 100  
112 3.4 3.2 4.8



#38  
Bromodichloromethane  
Concen: 50.696 ug/L  
RT: 7.105 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion: 83 Resp: 141148  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.0 81.6  
127 7.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 52.781 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

Instrument :

MSVOA\_U

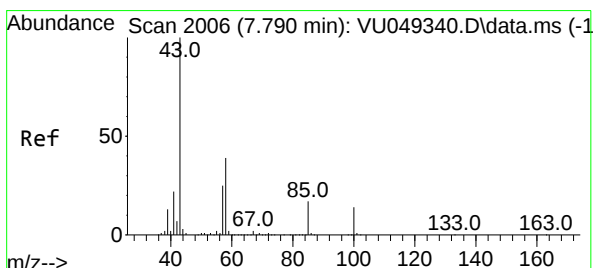
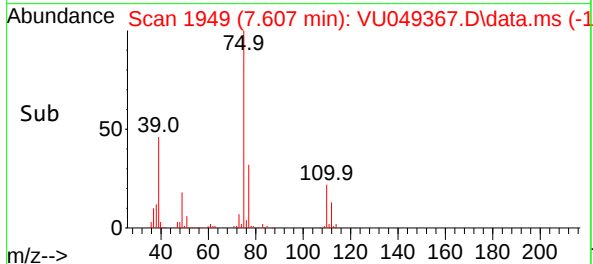
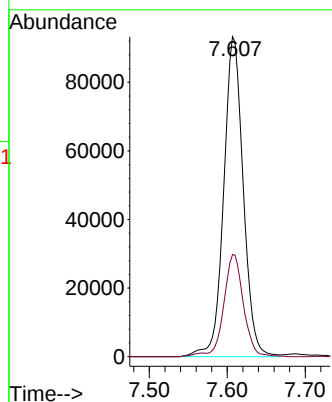
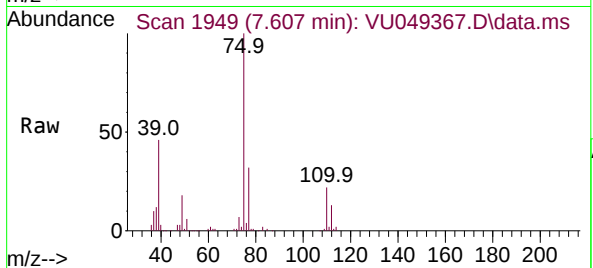
ClientSampleId :

Tgt Ion: 75 Resp: 162866

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 107.473 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

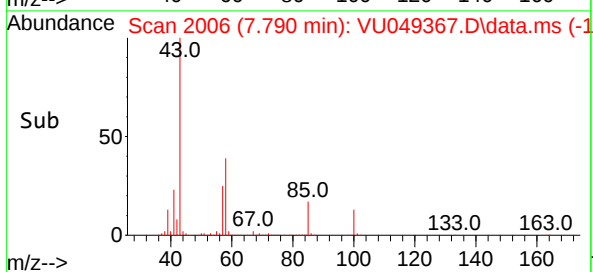
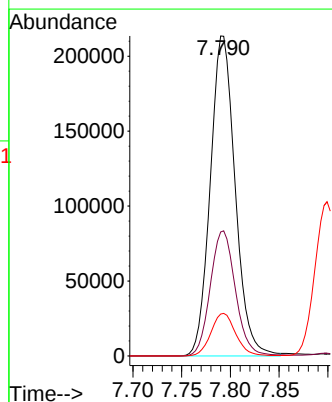
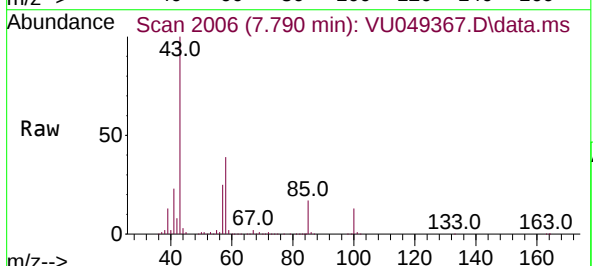
Tgt Ion: 43 Resp: 379704

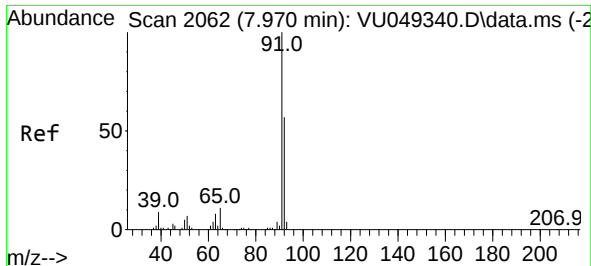
Ion Ratio Lower Upper

43 100

58 39.6 32.2 48.4

100 13.3 12.3 18.5

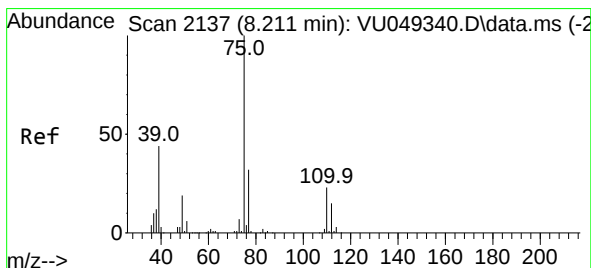
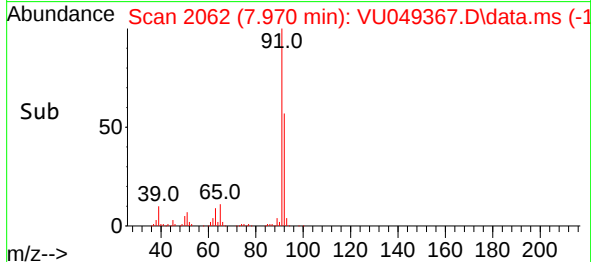
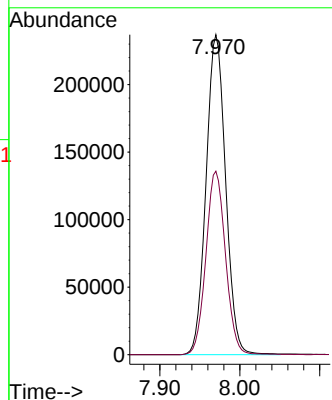
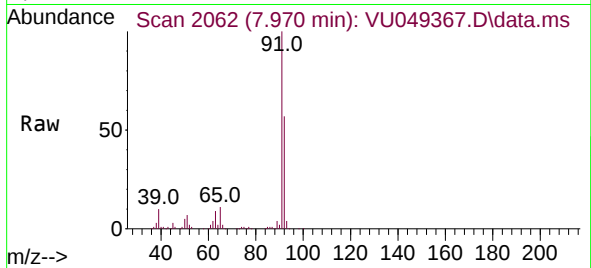




#42  
Toluene  
Concen: 52.451 ug/L  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

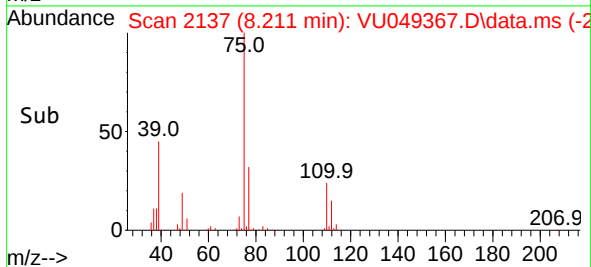
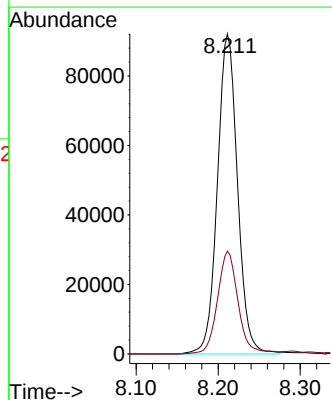
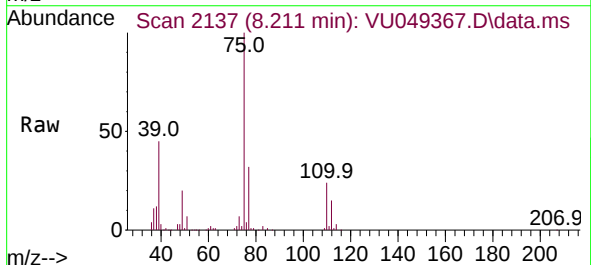
Instrument :  
MSVOA\_U  
ClientSampleId :

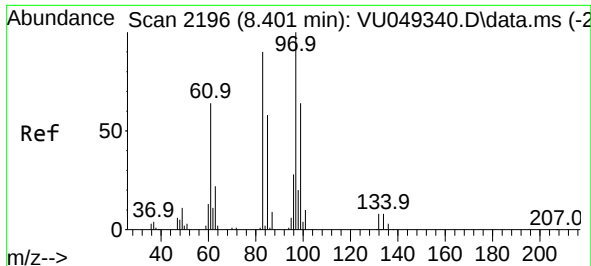
Tgt Ion: 91 Resp: 403157  
Ion Ratio Lower Upper  
91 100  
92 57.4 41.6 77.3



#44  
trans-1,3-Dichloropropene  
Concen: 51.410 ug/L  
RT: 8.211 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

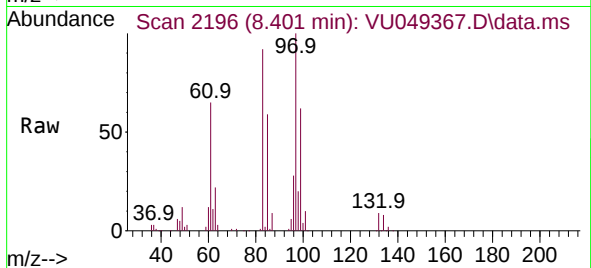
Tgt Ion: 75 Resp: 157082  
Ion Ratio Lower Upper  
75 100  
77 32.2 21.9 40.7



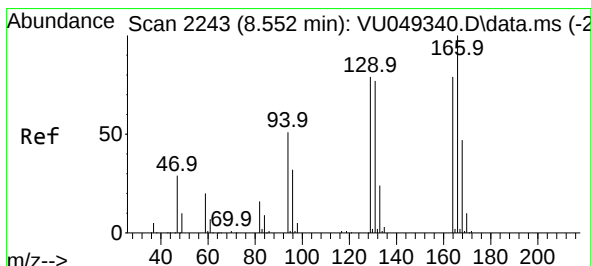
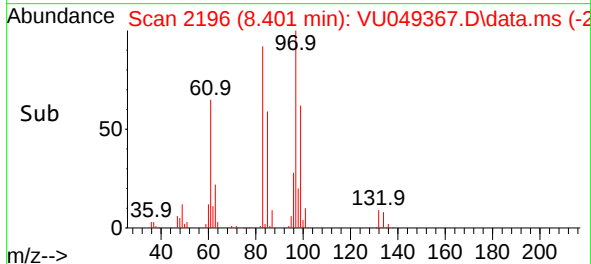
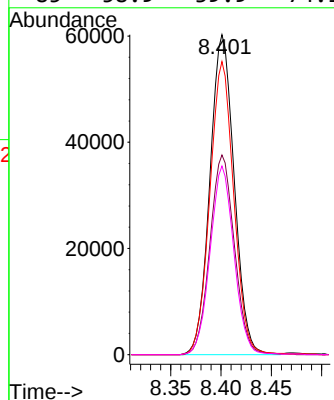


#45  
1,1,2-Trichloroethane  
Concen: 49.798 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Instrument :  
MSVOA\_U  
ClientSampleId :

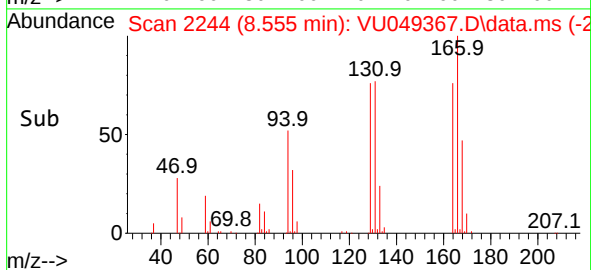
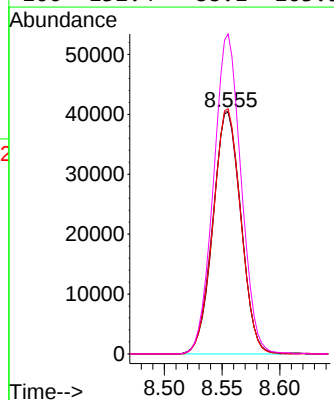
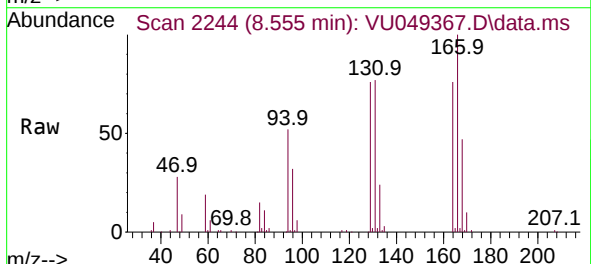


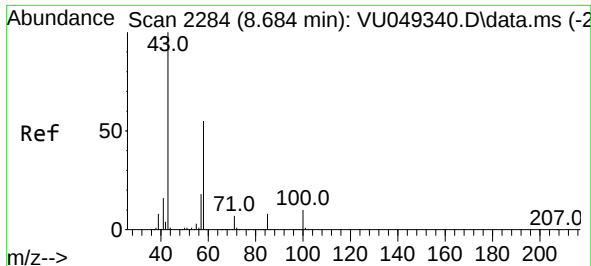
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 101192 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.4  | 43.5  | 80.9   |
| 83       | 91.6  | 60.3  | 112.1  |
| 85       | 58.9  | 39.9  | 74.1   |



#46  
Tetrachloroethene  
Concen: 46.874 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

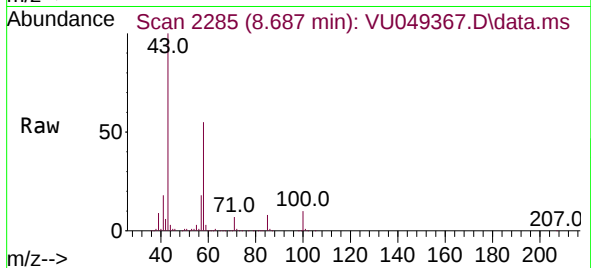
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 68120 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 100.6 | 70.9  | 131.7 |
| 131      | 101.5 | 66.2  | 123.0 |
| 166      | 132.4 | 88.1  | 163.5 |



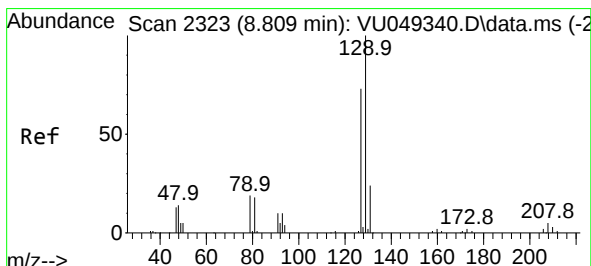
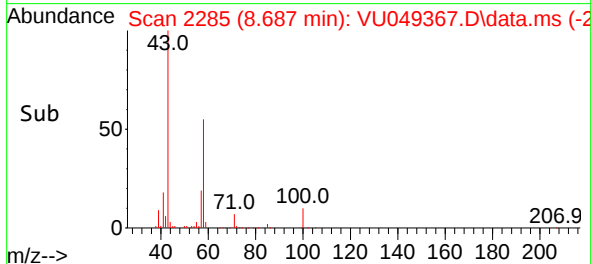
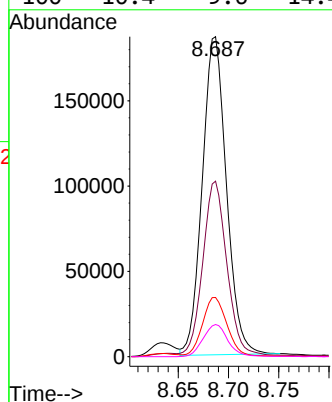


#48  
2-Hexanone  
Concen: 108.463 ug/L  
RT: 8.687 min Scan# 211528  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Instrument :  
MSVOA\_U  
ClientSampleId :

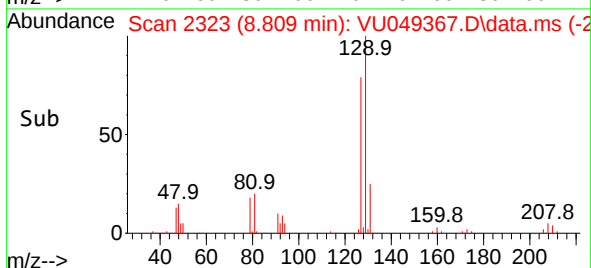
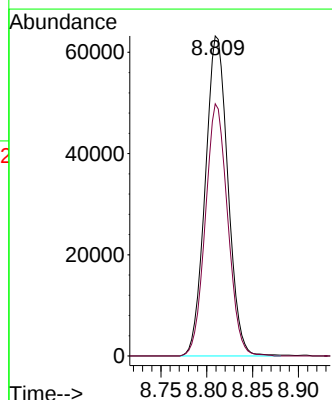
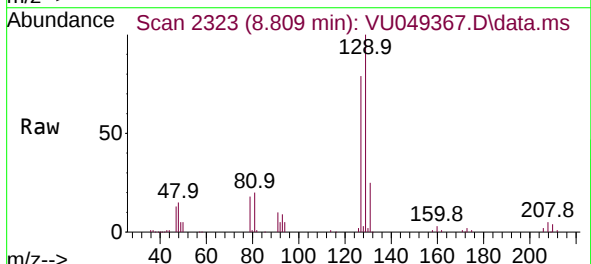


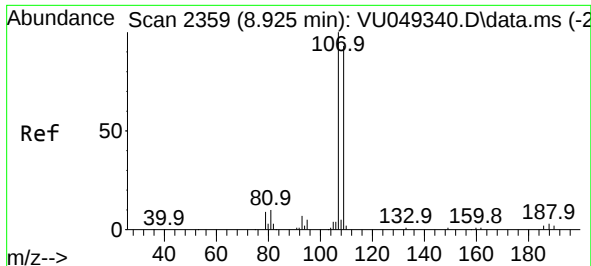
Tgt Ion: 43 Resp: 311528  
Ion Ratio Lower Upper  
43 100  
58 54.8 45.8 68.8  
57 18.8 16.2 24.4  
100 10.4 9.6 14.4



#49  
Dibromochloromethane  
Concen: 48.055 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion: 129 Resp: 108724  
Ion Ratio Lower Upper  
129 100  
127 78.8 53.5 99.5

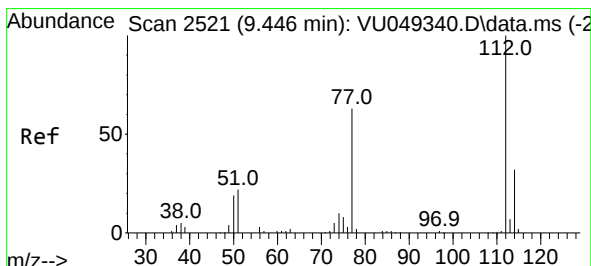
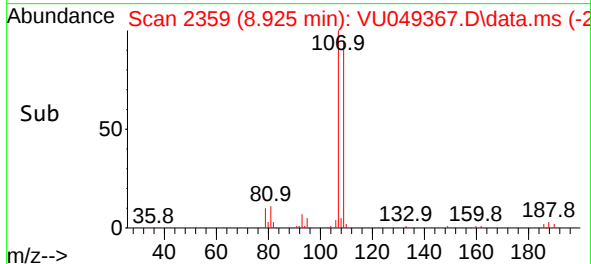
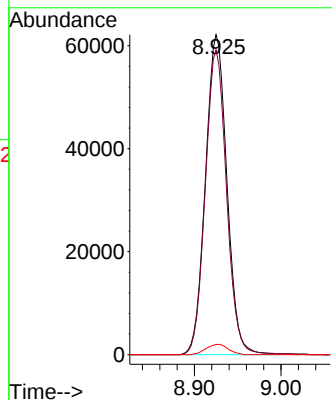
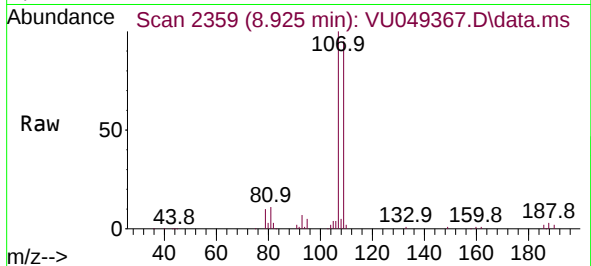




#50  
1,2-Dibromoethane  
Concen: 50.139 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

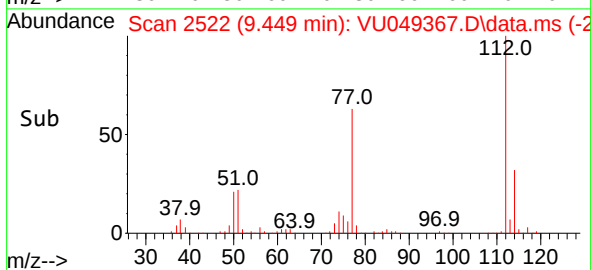
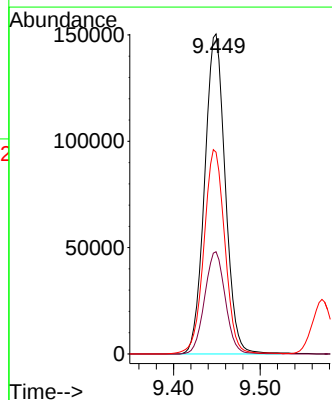
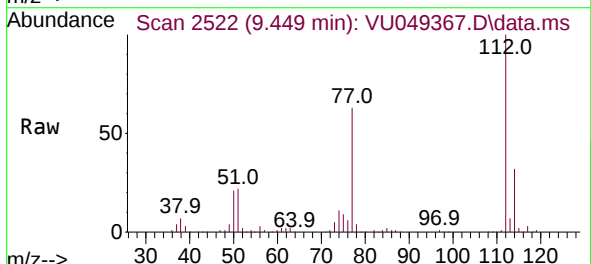
Instrument :  
MSVOA\_U  
ClientSampleId :

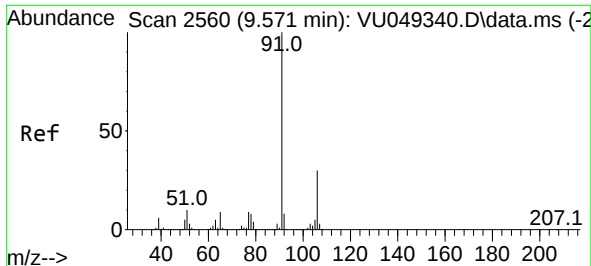
Tgt Ion:107 Resp: 107183  
Ion Ratio Lower Upper  
107 100  
109 95.3 67.2 124.8  
188 3.2 2.7 4.1



#51  
Chlorobenzene  
Concen: 47.850 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:112 Resp: 248623  
Ion Ratio Lower Upper  
112 100  
114 32.0 22.3 41.3  
77 63.0 47.1 70.7

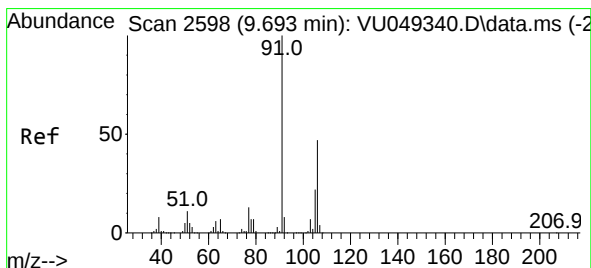
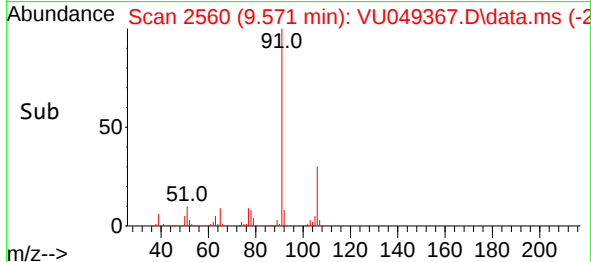
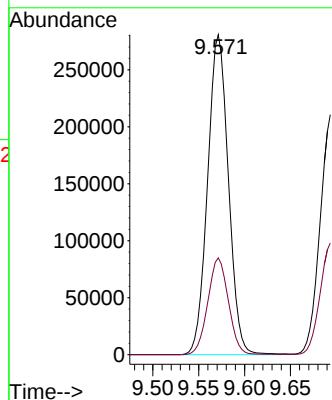
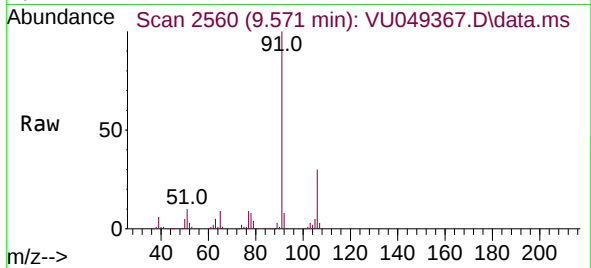




#52  
Ethylbenzene  
Concen: 52.977 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

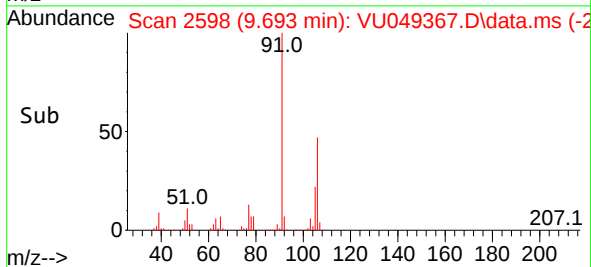
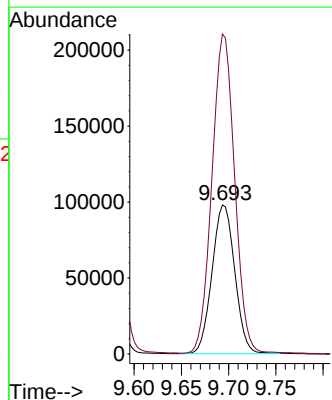
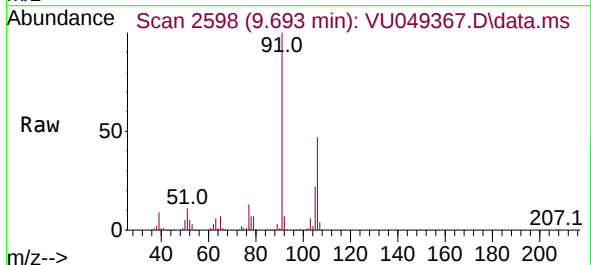
Instrument :  
MSVOA\_U  
ClientSampleId :

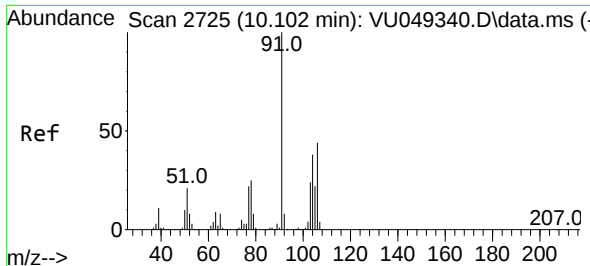
Tgt Ion: 91 Resp: 442742  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.6 40.2



#53  
m,p-Xylene  
Concen: 49.879 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:106 Resp: 163696  
Ion Ratio Lower Upper  
106 100  
91 214.8 137.4 255.2

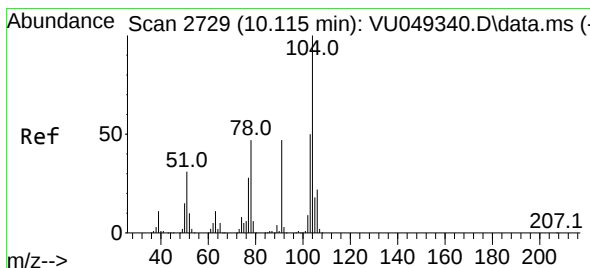
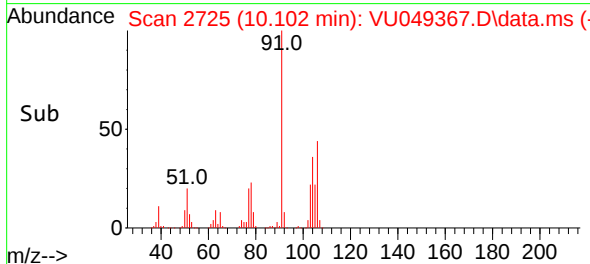
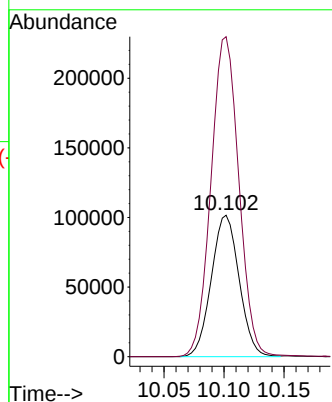
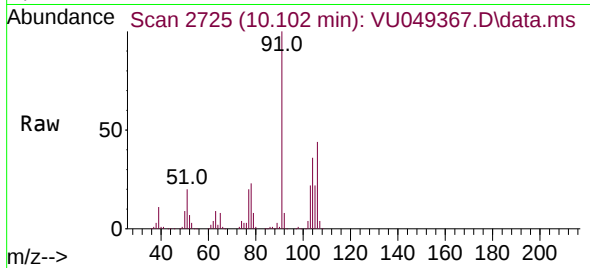




#54  
o-Xylene  
Concen: 49.562 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

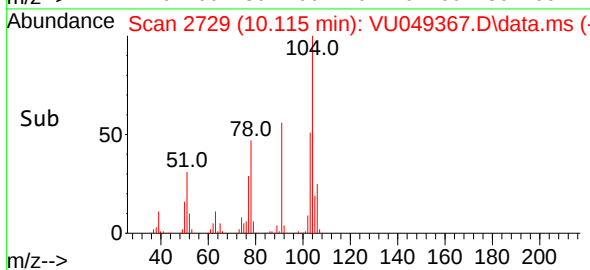
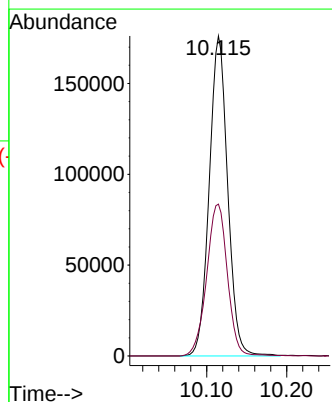
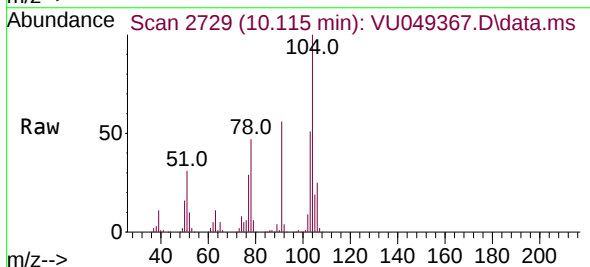
Instrument :  
MSVOA\_U  
ClientSampleId :

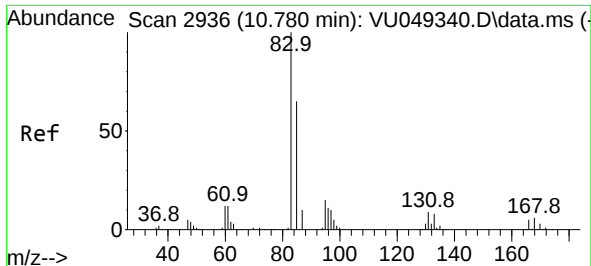
Tgt Ion:106 Resp: 163878  
Ion Ratio Lower Upper  
106 100  
91 226.1 145.2 269.6



#55  
Styrene  
Concen: 51.136 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:104 Resp: 282365  
Ion Ratio Lower Upper  
104 100  
78 47.5 32.6 60.6

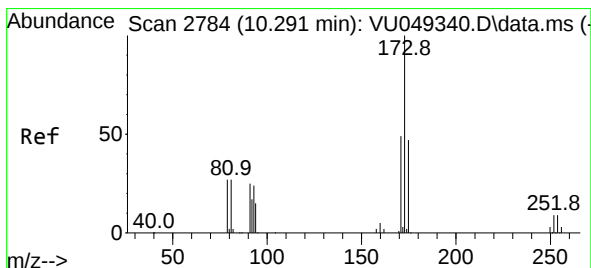
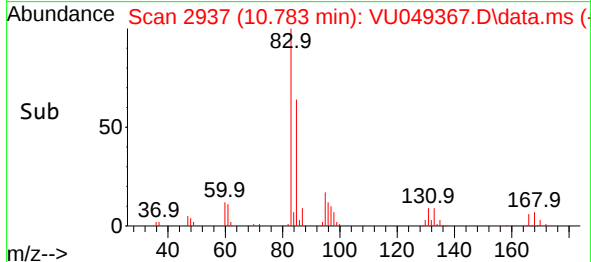
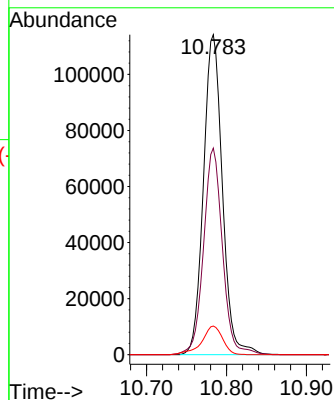
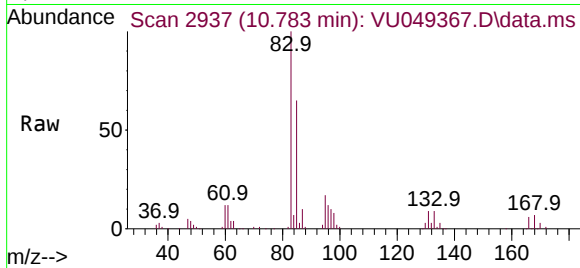




#57  
1,1,2,2-Tetrachloroethane  
Concen: 49.706 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

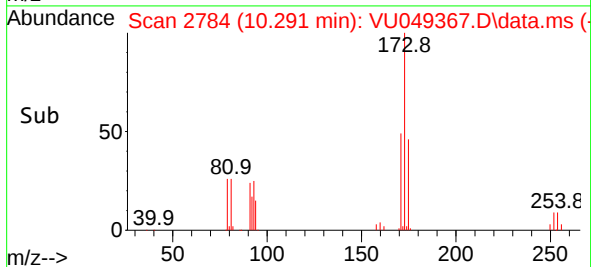
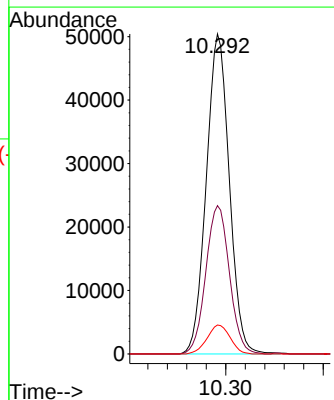
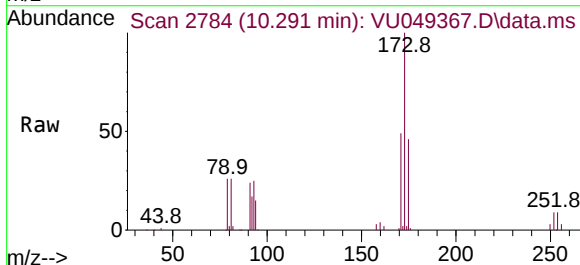
Instrument :  
MSVOA\_U  
ClientSampleId :

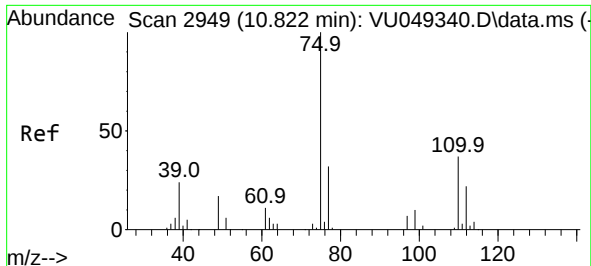
Tgt Ion: 83 Resp: 188229  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.5 82.7  
131 9.0 7.6 11.4



#59  
Bromoform  
Concen: 46.997 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:173 Resp: 82634  
Ion Ratio Lower Upper  
173 100  
175 47.5 37.8 56.8  
254 9.1 7.2 10.8

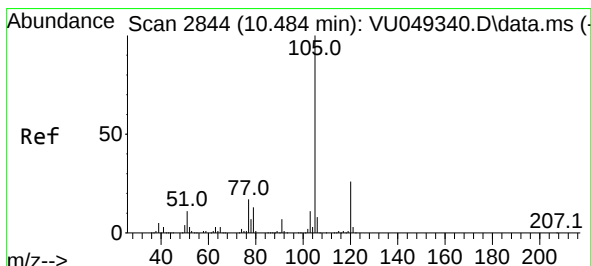
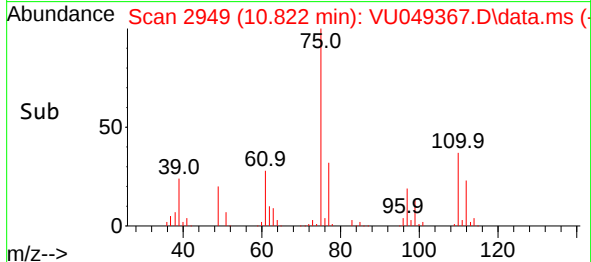
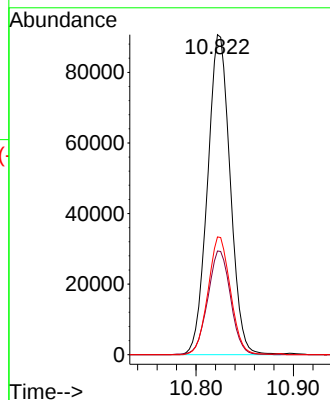
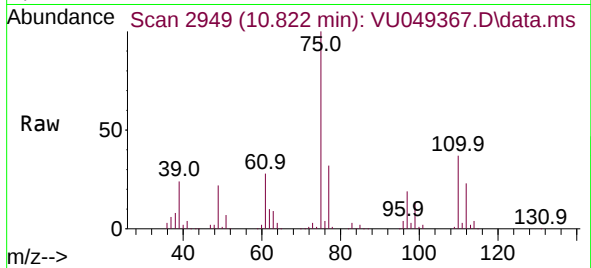




#60  
1,2,3-Trichloropropane  
Concen: 48.450 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

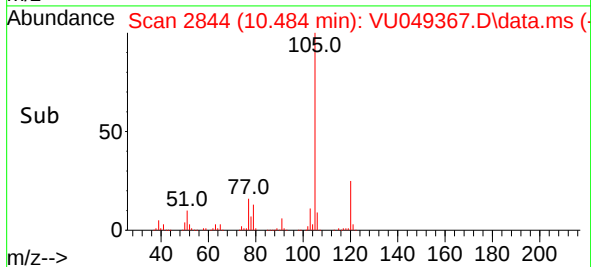
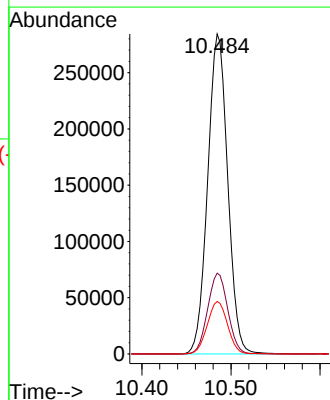
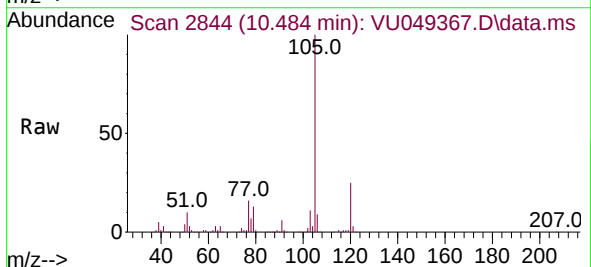
Instrument :  
MSVOA\_U  
ClientSampleId :

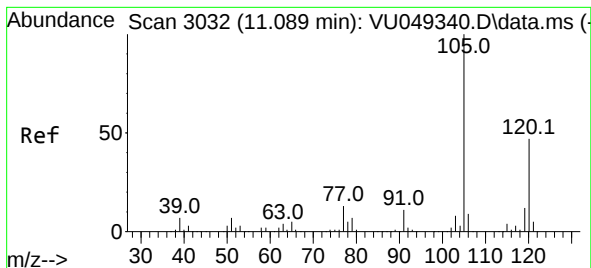
Tgt Ion: 75 Resp: 146419  
Ion Ratio Lower Upper  
75 100  
77 32.7 26.6 40.0  
110 36.4 30.2 45.4



#61  
Isopropylbenzene  
Concen: 54.748 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion: 105 Resp: 443067  
Ion Ratio Lower Upper  
105 100  
120 25.4 21.1 31.7  
77 16.6 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 56.063 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049367.D

Acq: 23 Jun 2022 10:00

Instrument :

MSVOA\_U

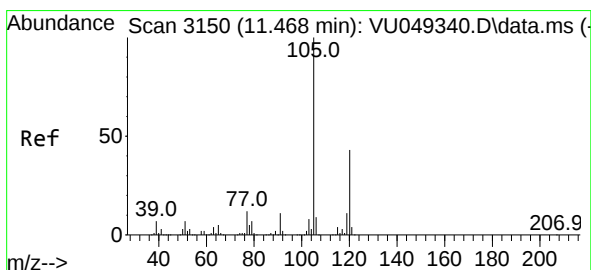
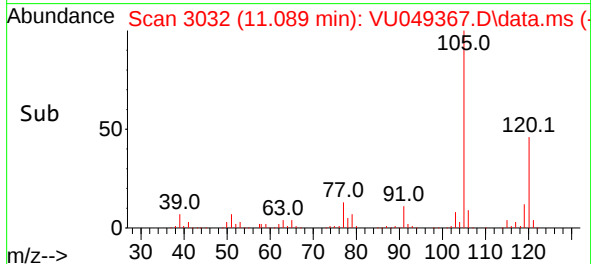
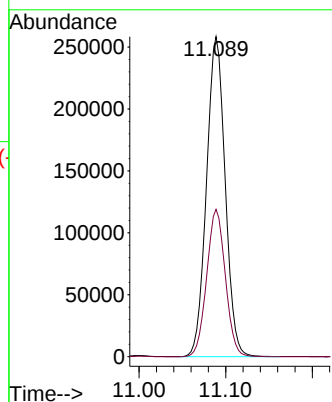
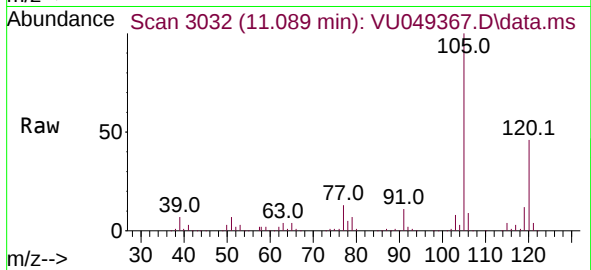
ClientSampleId :

Tgt Ion:105 Resp: 387348

Ion Ratio Lower Upper

105 100

120 45.9 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 54.606 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049367.D

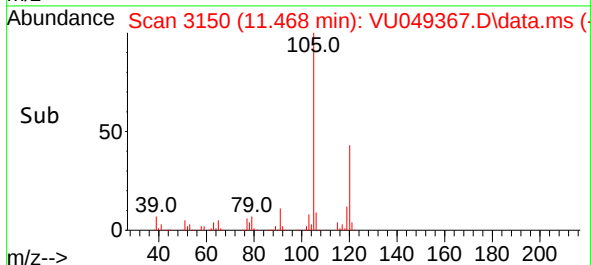
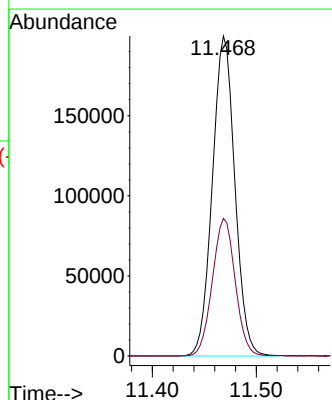
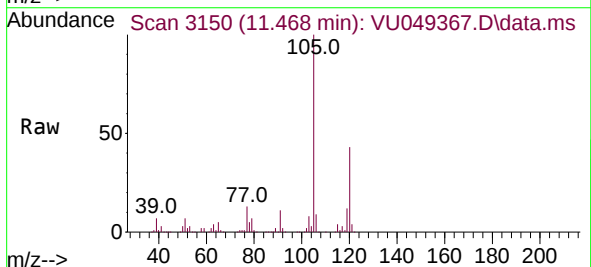
Acq: 23 Jun 2022 10:00

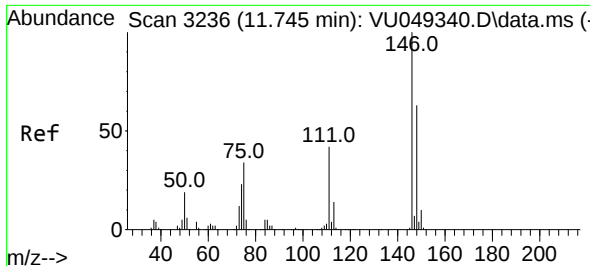
Tgt Ion:105 Resp: 300371

Ion Ratio Lower Upper

105 100

120 43.6 36.3 54.5

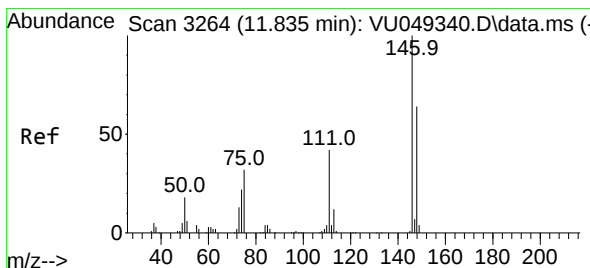
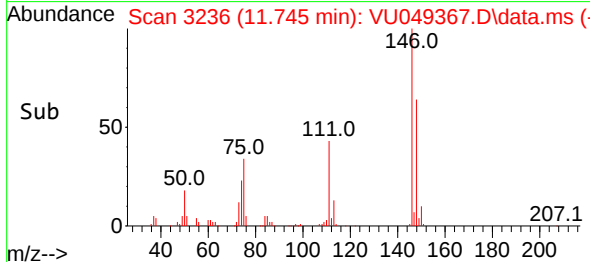
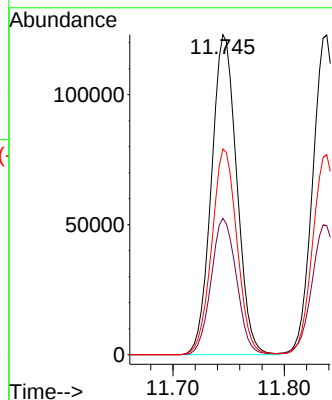
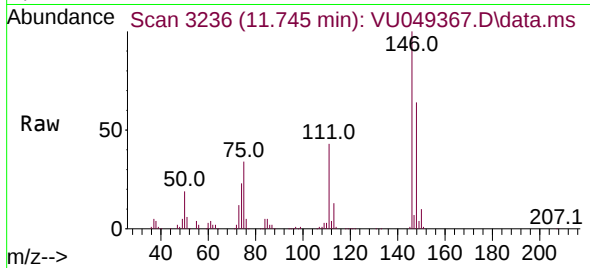




#64  
1,3-Dichlorobenzene  
Concen: 48.997 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

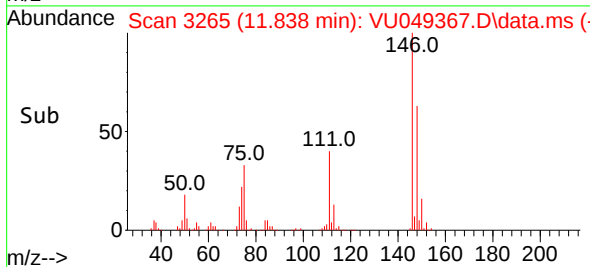
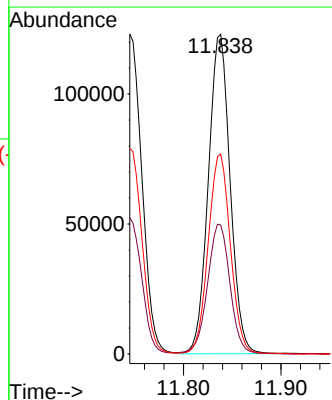
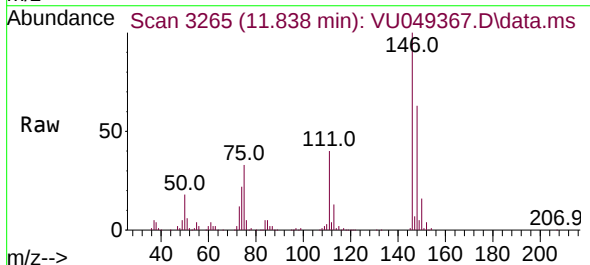
Instrument :  
MSVOA\_U  
ClientSampleId :

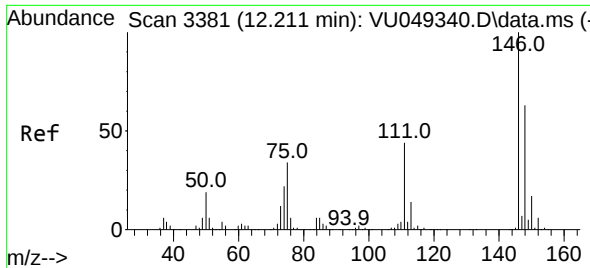
Tgt Ion:146 Resp: 194510  
Ion Ratio Lower Upper  
146 100  
111 42.6 29.8 55.3  
148 64.3 45.8 85.0



#65  
1,4-Dichlorobenzene  
Concen: 47.530 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:146 Resp: 191041  
Ion Ratio Lower Upper  
146 100  
111 40.3 28.1 52.1  
148 62.5 44.9 83.3

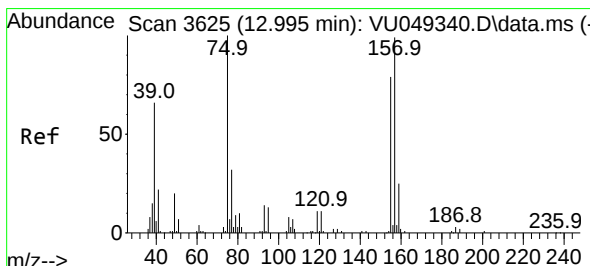
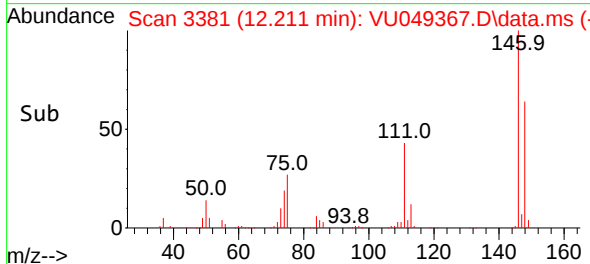
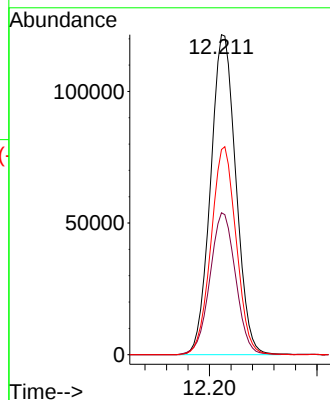
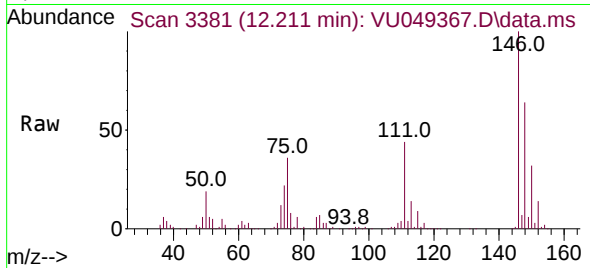




#67  
1,2-Dichlorobenzene  
Concen: 48.116 ug/L  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

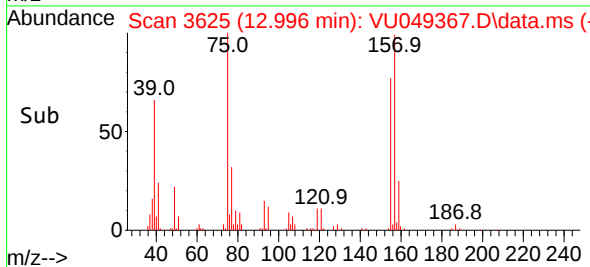
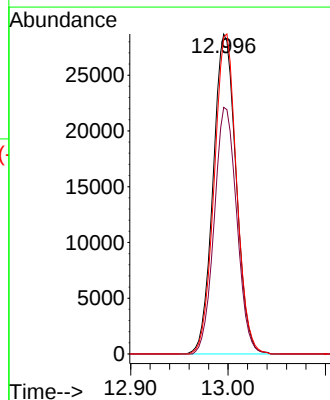
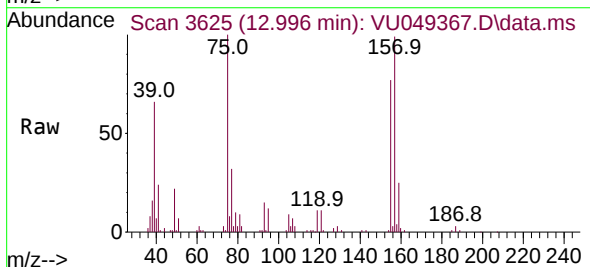
Instrument :  
MSVOA\_U  
ClientSampleId :

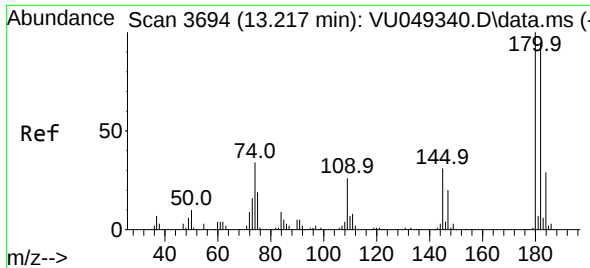
Tgt Ion:146 Resp: 198227  
Ion Ratio Lower Upper  
146 100  
111 44.4 33.9 50.9  
148 64.1 50.2 75.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 47.101 ug/L  
RT: 12.996 min Scan# 3625  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

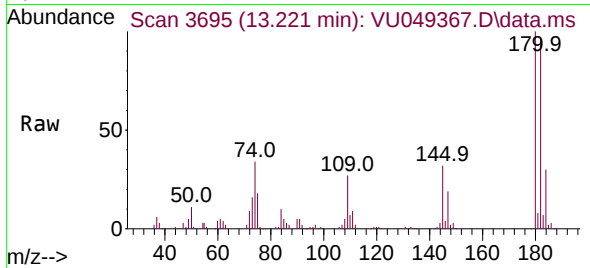
Tgt Ion: 75 Resp: 46980  
Ion Ratio Lower Upper  
75 100  
155 77.1 61.0 91.6  
157 99.1 77.6 116.4



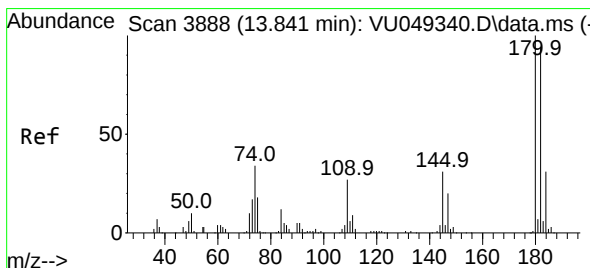
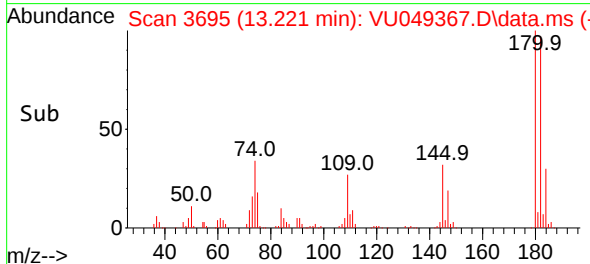
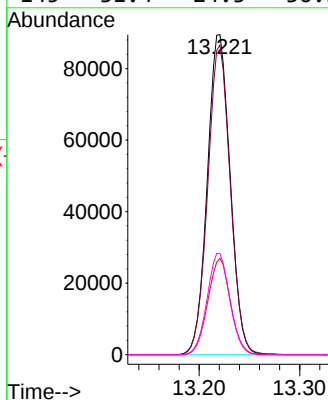


#69  
 1,3,5-Trichlorobenzene  
 Concen: 49.781 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.003 min  
 Lab File: VU049367.D  
 Acq: 23 Jun 2022 10:00

Instrument :  
 MSVOA\_U  
 ClientSampleId :

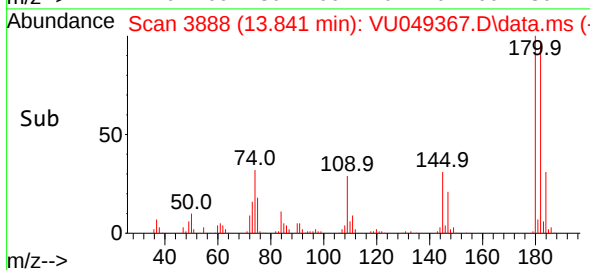
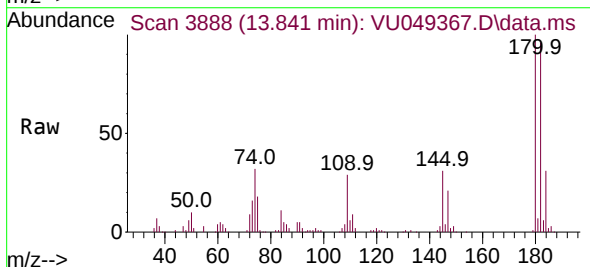
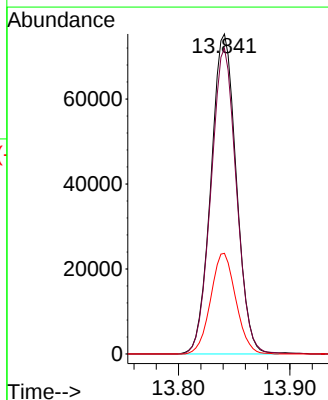


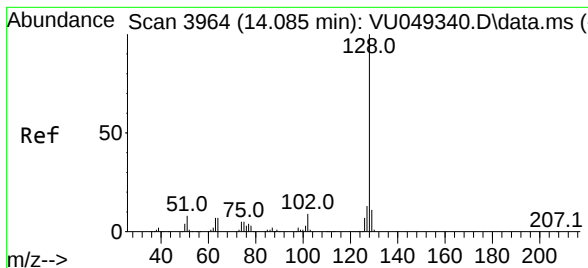
Tgt Ion:180 Resp: 141178  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 76.0 114.0  
 184 29.9 24.5 36.7  
 145 31.4 24.3 36.5



#70  
 1,2,4-trichlorobenzene  
 Concen: 49.708 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU049367.D  
 Acq: 23 Jun 2022 10:00

Tgt Ion:180 Resp: 119208  
 Ion Ratio Lower Upper  
 180 100  
 182 95.4 78.2 117.2  
 145 31.2 25.0 37.4

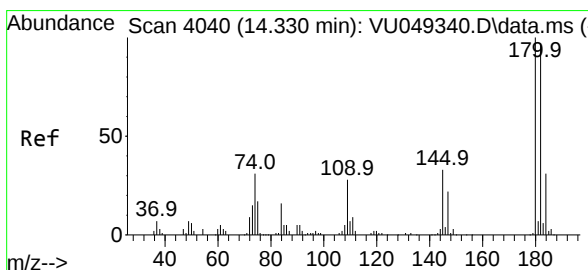
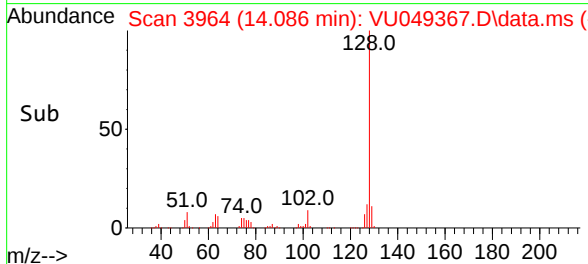
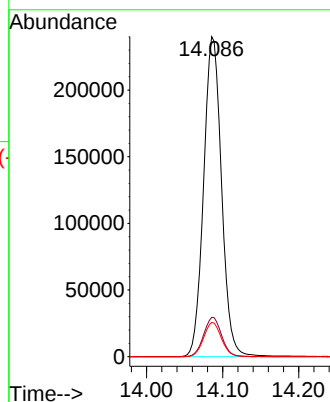
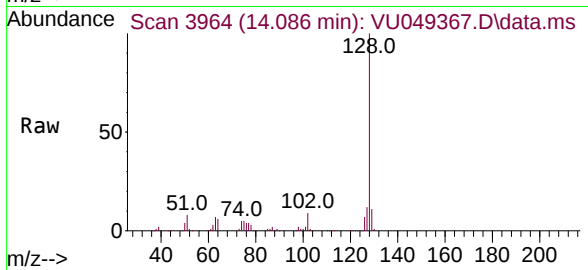




#71  
Naphthalene  
Concen: 46.344 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 393202  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.2 15.4  
129 10.7 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 48.197 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU049367.D  
Acq: 23 Jun 2022 10:00

Tgt Ion:180 Resp: 122262  
Ion Ratio Lower Upper  
180 100  
182 94.7 77.3 115.9  
145 33.9 26.3 39.5

