

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062222\  
 Data File : VU049375.D  
 Acq On : 23 Jun 2022 13:38  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 24 01:12:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 24 01:09:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 229585   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 212281   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 108890   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 69659    | 49.252   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 98.500%  |
| 7) Chloroethane-d5            | 1.899   | 69    | 54092    | 52.088   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 104.180% |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 133451   | 50.004   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.000% |
| 21) 2-Butanone-d5             | 4.620   | 46    | 174261   | 112.377  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 112.380% |
| 24) Chloroform-d              | 5.063   | 84    | 158738   | 52.611   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.220% |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 98241    | 50.258   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.520% |
| 32) Benzene-d6                | 5.726   | 84    | 282240   | 53.618   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.240% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 104022   | 58.784   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 117.560% |
| 41) Toluene-d8                | 7.896   | 98    | 255723   | 55.086   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 110.180% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 44984    | 54.035   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 108.060% |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 111231   | 120.101  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 120.100% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754  | 84    | 161188   | 54.537   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 109.080% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 102635   | 54.172   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 108.340% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 86739    | 42.813   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 95054    | 44.510   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.604   | 62    | 93502    | 46.186   | ug/L   | 96       |
| 6) Bromomethane               | 1.842   | 94    | 35721    | 31.899   | ug/L   | 100      |
| 8) Chloroethane               | 1.922   | 64    | 56529    | 49.994   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.134   | 101   | 133412   | 46.823   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 79695    | 49.274   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 66959    | 47.295   | ug/L   | 95       |
| 13) Acetone                   | 2.626   | 43    | 117259   | 96.097   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.790   | 76    | 159532   | 44.311   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.948   | 43    | 128906   | 53.263   | ug/L   | 95       |
| 16) Methylene chloride        | 3.044   | 84    | 88809    | 48.169   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96    | 73983    | 47.526   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 288303   | 49.506   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 169578   | 50.566   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 92616    | 48.903   | ug/L   | 98       |
| 22) 2-Butanone                | 4.700   | 43    | 195753   | 104.393  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.973   | 128   | 46953    | 47.236   | ug/L   | 91       |
| 25) Chloroform                | 5.086   | 83    | 175089   | 50.097   | ug/L   | 100      |

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 Data File : VU049375.D  
 Acq On : 23 Jun 2022 13:38  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

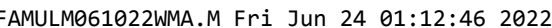
Instrument :  
 MSVOA\_U  
 ClientSampleId :

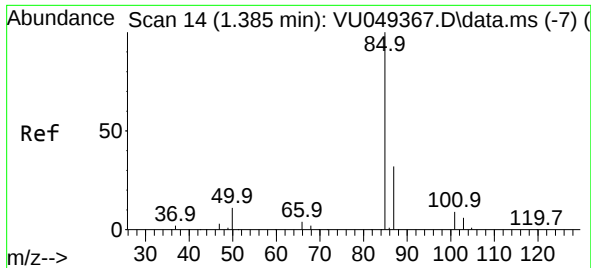
Quant Time: Jun 24 01:12:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 24 01:09:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 134940   | 47.429  | ug/L  | 99       |
| 29) Cyclohexane               | 5.388  | 56   | 134247   | 56.508  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 147064   | 49.677  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 123039   | 47.521  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 363757   | 52.892  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 89529    | 51.644  | ug/L  | 95       |
| 35) Methylcyclohexane         | 6.761  | 83   | 135562   | 56.022  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 105745   | 54.526  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.105  | 83   | 133636   | 51.900  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 153397   | 53.754  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 363059   | 111.117 | ug/L  | 97       |
| 42) Toluene                   | 7.970  | 91   | 380853   | 53.577  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 145991   | 51.665  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 96415    | 51.305  | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.552  | 164  | 65269    | 48.563  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.684  | 43   | 288678   | 108.679 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 101843   | 48.673  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 101633   | 51.408  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 236721   | 49.264  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.568  | 91   | 409589   | 52.995  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 153922   | 50.714  | ug/L  | 88       |
| 54) o-Xylene                  | 10.099 | 106  | 153866   | 50.317  | ug/L  | 89       |
| 55) Styrene                   | 10.115 | 104  | 258411   | 50.603  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 177512   | 50.687  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 74411    | 46.305  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 139893   | 50.649  | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.484 | 105  | 405132   | 54.774  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 349199   | 55.299  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 271383   | 53.980  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 175803   | 48.454  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 172832   | 47.048  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 183791   | 48.812  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 43688    | 47.924  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 124137   | 47.893  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 105666   | 48.209  | ug/L  | 97       |
| 71) Naphthalene               | 14.086 | 128  | 345033   | 44.495  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 110819   | 47.799  | ug/L  | 99       |

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

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Response via : Initial Calibration

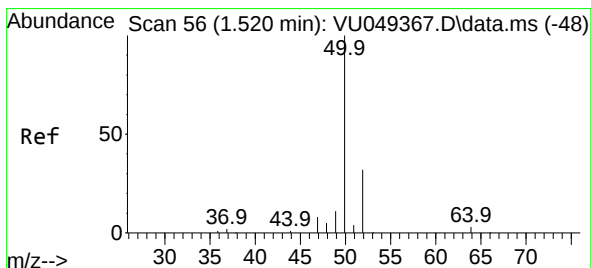
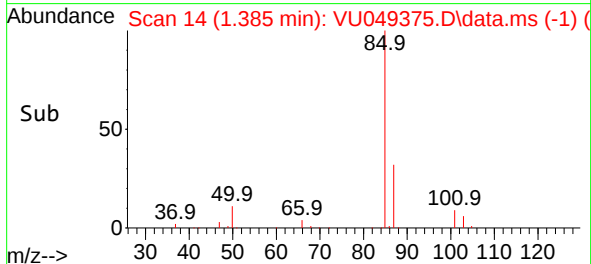
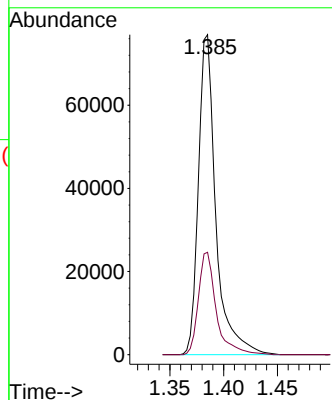
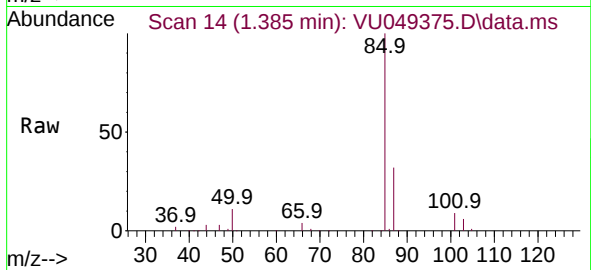




#2  
 Dichlorodifluoromethane  
 Concen: 42.813 ug/L  
 RT: 1.385 min Scan# 14  
 Delta R.T. -0.000 min  
 Lab File: VU049375.D  
 Acq: 23 Jun 2022 13:38

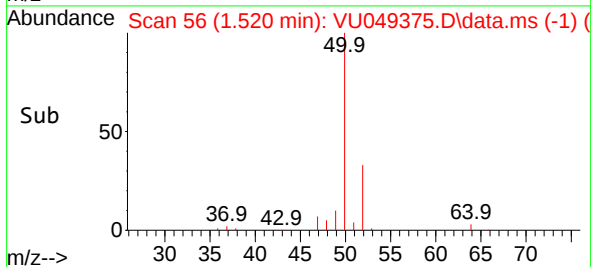
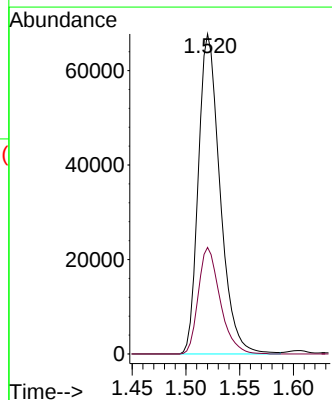
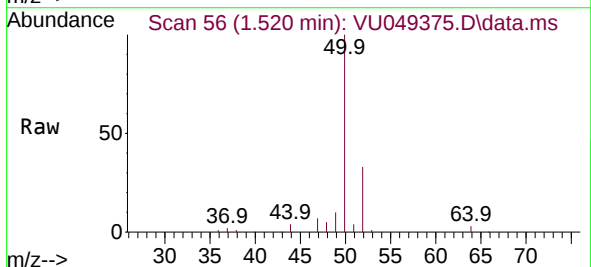
Instrument :  
 MSVOA\_U  
 ClientSampleId :

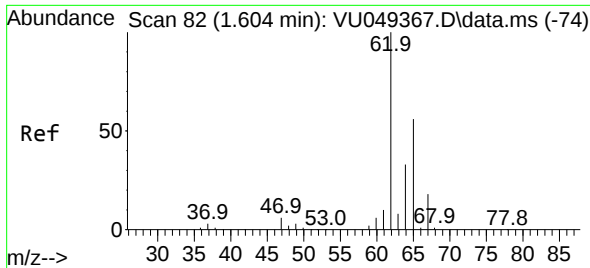
Tgt Ion: 85 Resp: 86739  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 26.3 39.5



#3  
 Chloromethane  
 Concen: 44.510 ug/L  
 RT: 1.520 min Scan# 56  
 Delta R.T. -0.000 min  
 Lab File: VU049375.D  
 Acq: 23 Jun 2022 13:38

Tgt Ion: 50 Resp: 95054  
 Ion Ratio Lower Upper  
 50 100  
 52 33.3 22.7 42.1

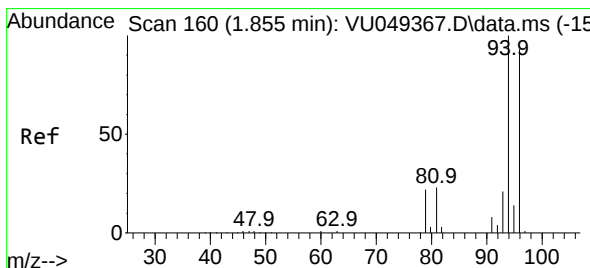
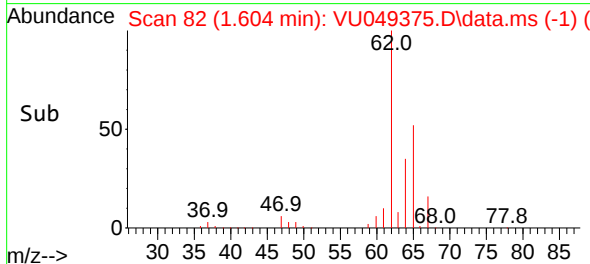
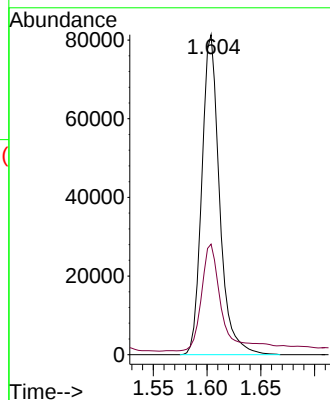
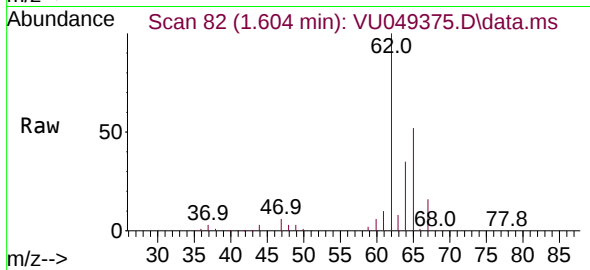




#5  
 Vinyl chloride  
 Concen: 46.186 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU049375.D  
 Acq: 23 Jun 2022 13:38

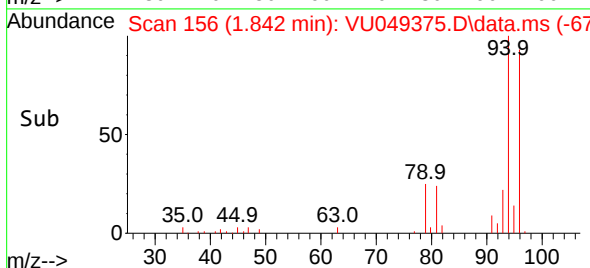
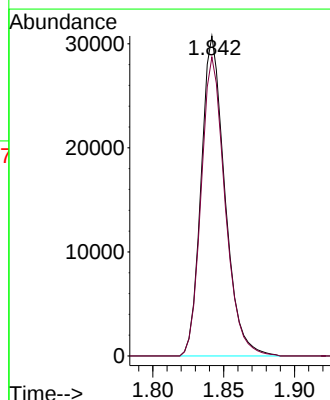
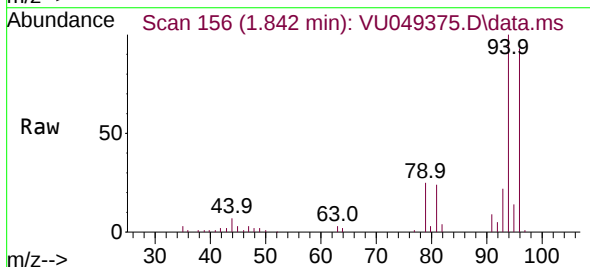
Instrument :  
 MSVOA\_U  
 ClientSampleId :

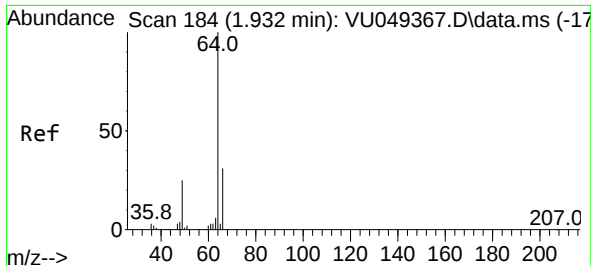
Tgt Ion: 62 Resp: 93502  
 Ion Ratio Lower Upper  
 62 100  
 64 34.5 22.7 42.3



#6  
 Bromomethane  
 Concen: 31.899 ug/L  
 RT: 1.842 min Scan# 156  
 Delta R.T. -0.013 min  
 Lab File: VU049375.D  
 Acq: 23 Jun 2022 13:38

Tgt Ion: 94 Resp: 35721  
 Ion Ratio Lower Upper  
 94 100  
 96 93.4 65.1 120.9

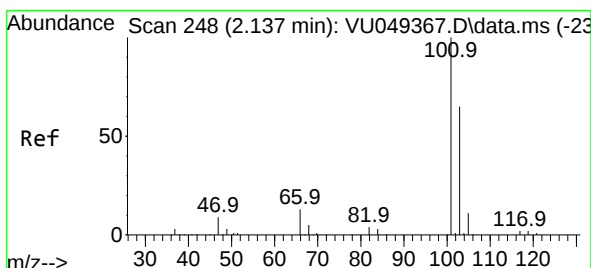
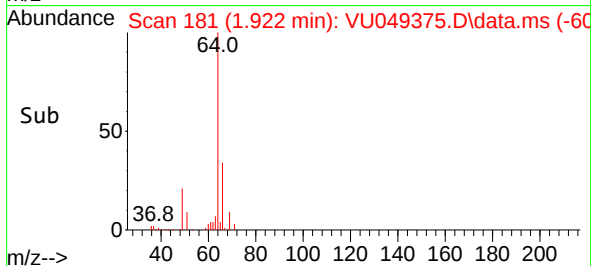
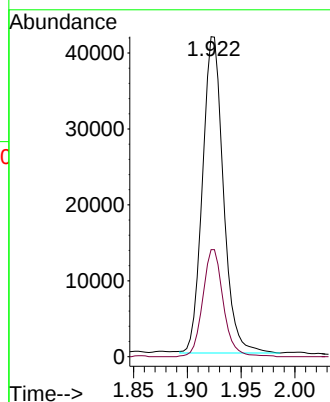
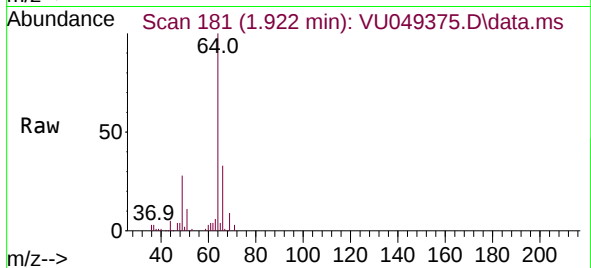




#8  
Chloroethane  
Concen: 49.994 ug/L  
RT: 1.922 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

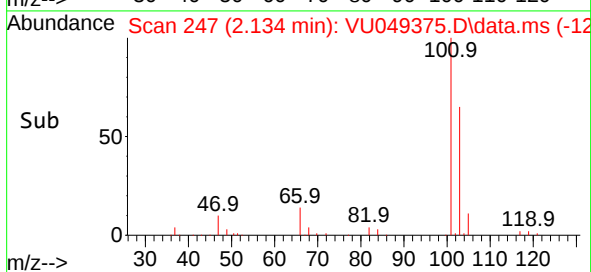
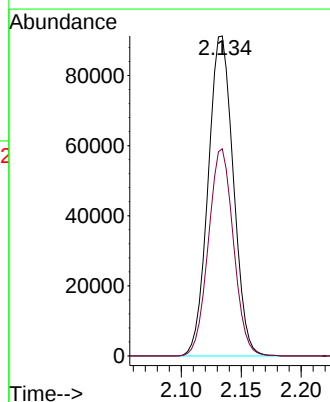
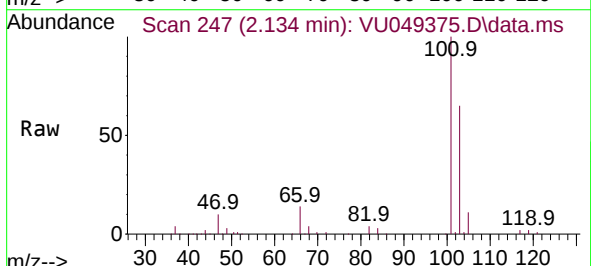
Instrument :  
MSVOA\_U  
ClientSampleId :

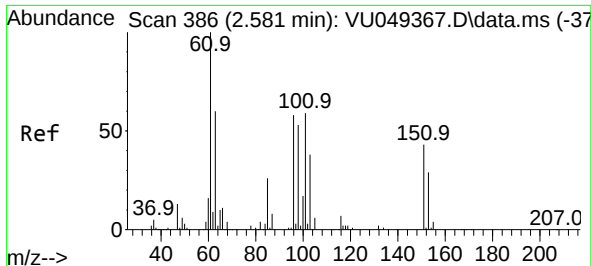
Tgt Ion: 64 Resp: 56529  
Ion Ratio Lower Upper  
64 100  
66 33.4 23.7 43.9



#9  
Trichlorofluoromethane  
Concen: 46.823 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion:101 Resp: 133412  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.3 76.9

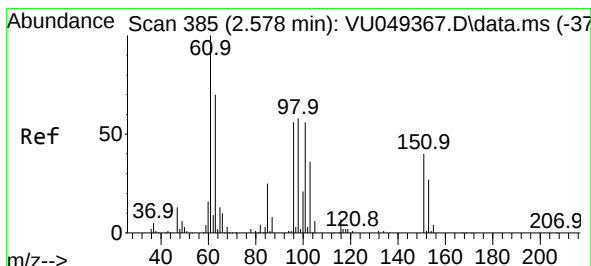
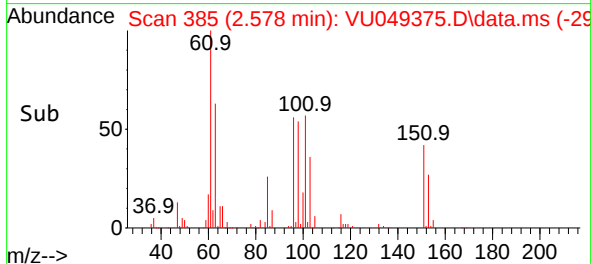
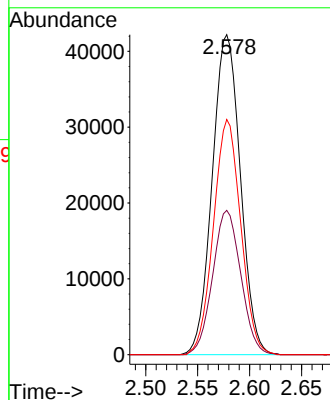
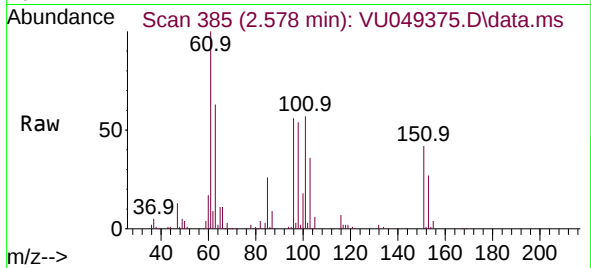




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 49.274 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

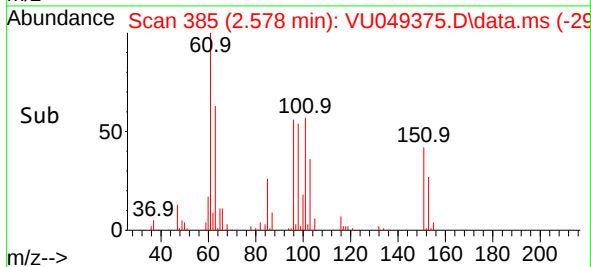
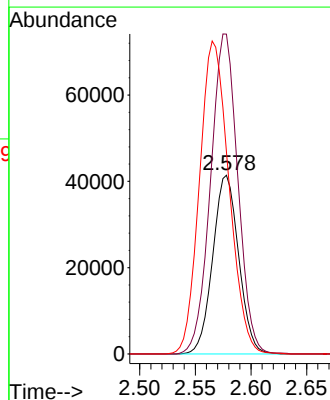
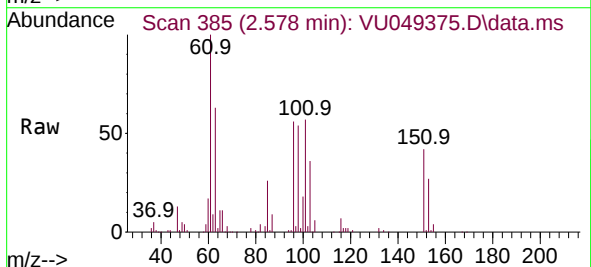
Instrument :  
MSVOA\_U  
ClientSampleId :

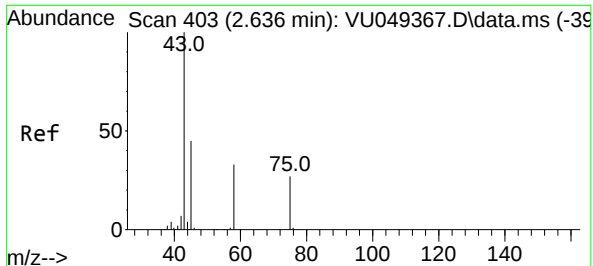
Tgt Ion:101 Resp: 79695  
Ion Ratio Lower Upper  
101 100  
85 45.1 35.2 52.8  
151 71.2 61.4 92.2



#12  
1,1-Dichloroethene  
Concen: 47.295 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion: 96 Resp: 66959  
Ion Ratio Lower Upper  
96 100  
61 179.0 123.5 229.3  
63 113.1 86.0 159.8





#13

Acetone

Concen: 96.097 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.010 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

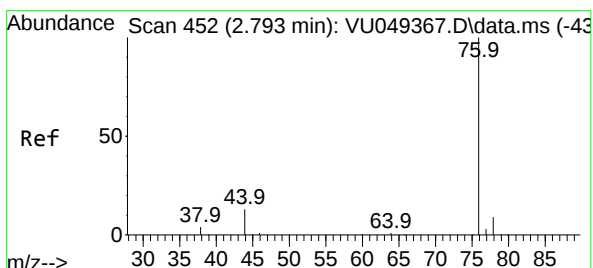
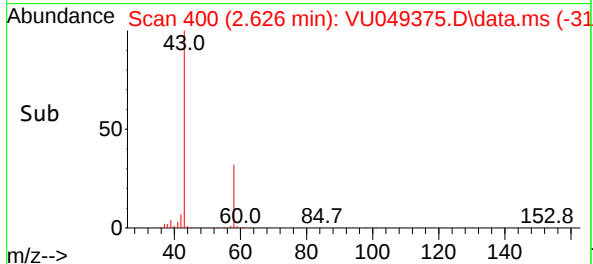
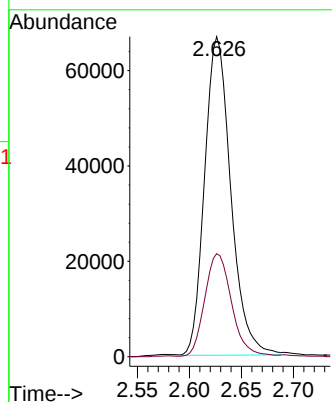
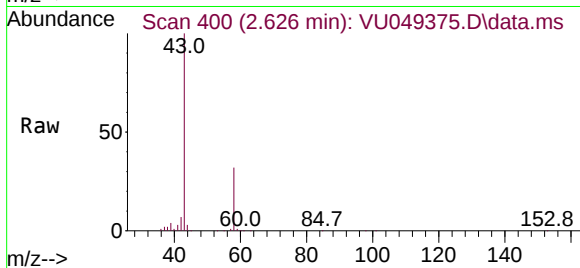
ClientSampleId :

Tgt Ion: 43 Resp: 117259

Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.4



#14

Carbon disulfide

Concen: 44.311 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU049375.D

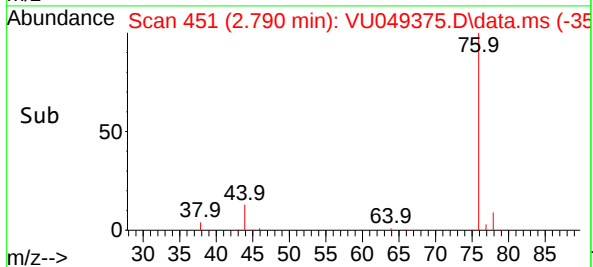
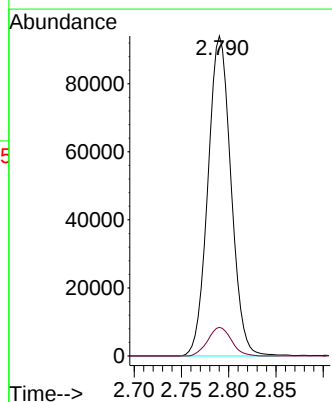
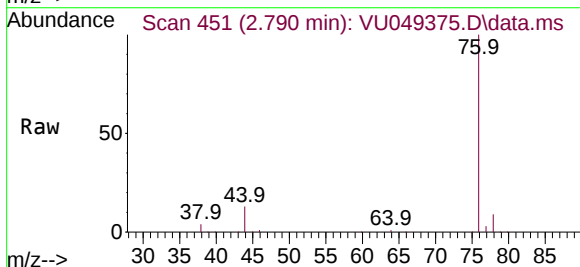
Acq: 23 Jun 2022 13:38

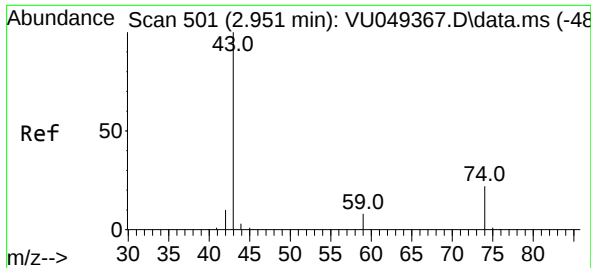
Tgt Ion: 76 Resp: 159532

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

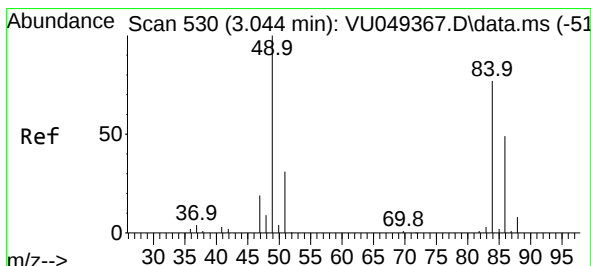
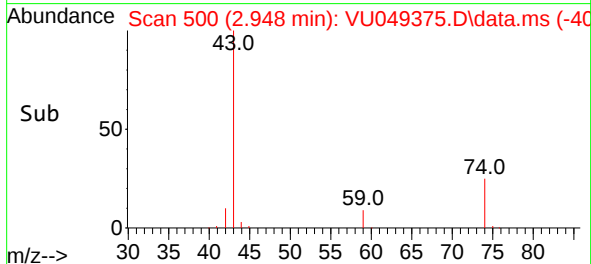
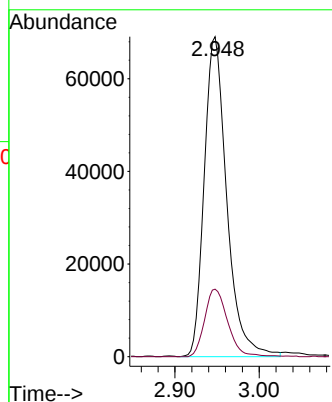
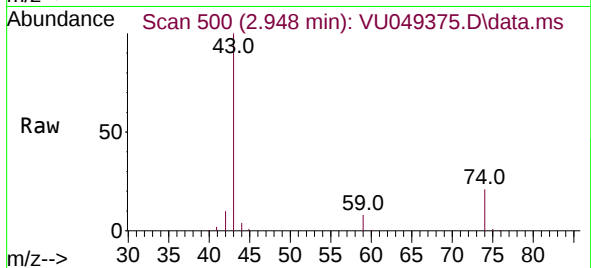




#15  
Methyl Acetate  
Concen: 53.263 ug/L  
RT: 2.948 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

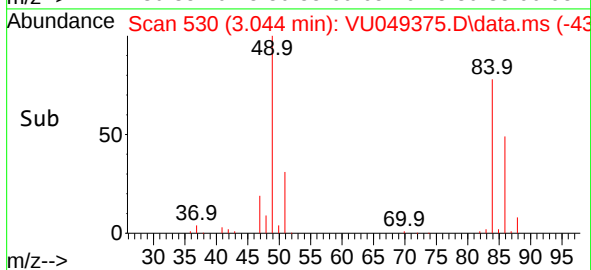
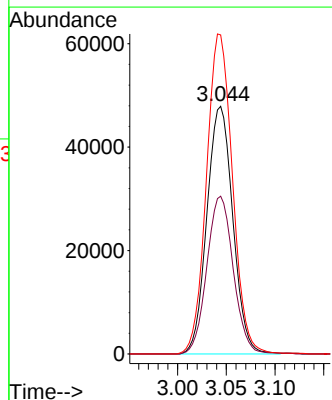
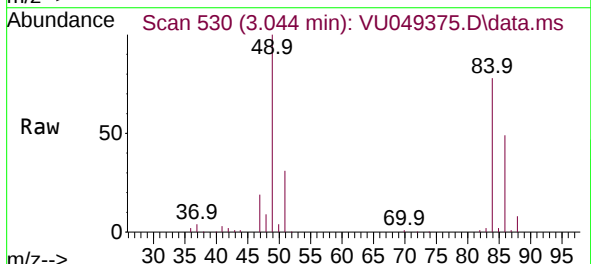
Instrument :  
MSVOA\_U  
ClientSampleId :

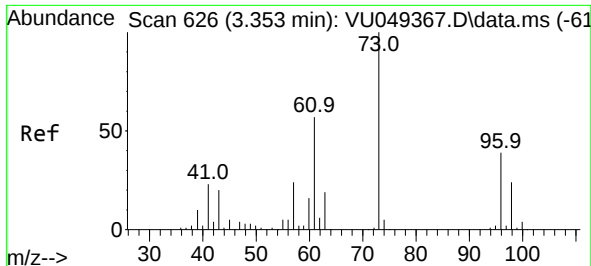
Tgt Ion: 43 Resp: 128906  
Ion Ratio Lower Upper  
43 100  
74 21.4 19.0 28.6



#16  
Methylene chloride  
Concen: 48.169 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion: 84 Resp: 88809  
Ion Ratio Lower Upper  
84 100  
86 63.7 45.8 85.0  
49 128.8 83.4 155.0





#17

trans-1,2-Dichloroethene

Concen: 47.526 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

ClientSampleId :

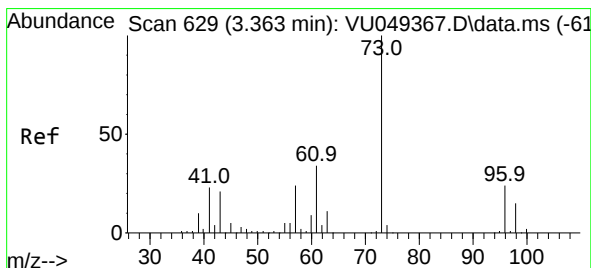
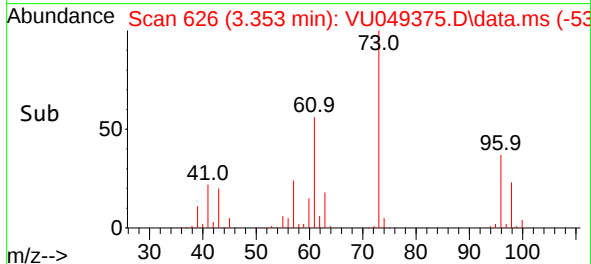
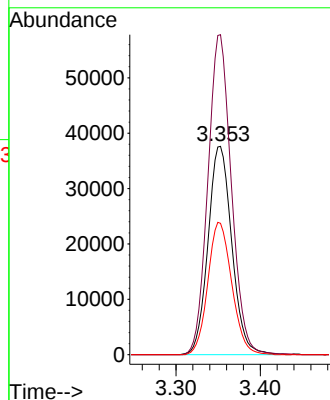
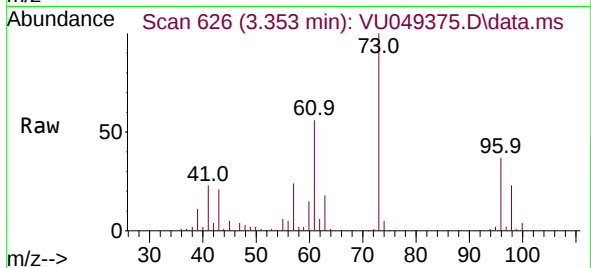
Tgt Ion: 96 Resp: 73983

Ion Ratio Lower Upper

96 100

61 153.6 99.3 184.3

98 63.1 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 49.506 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

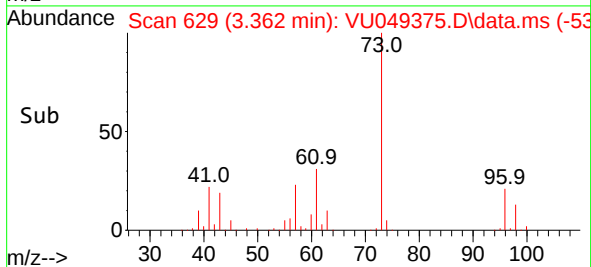
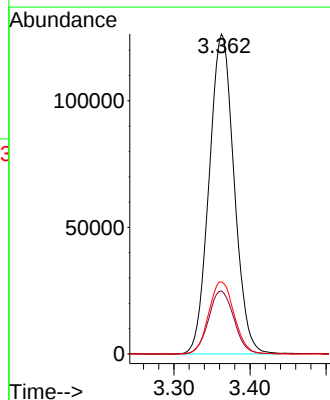
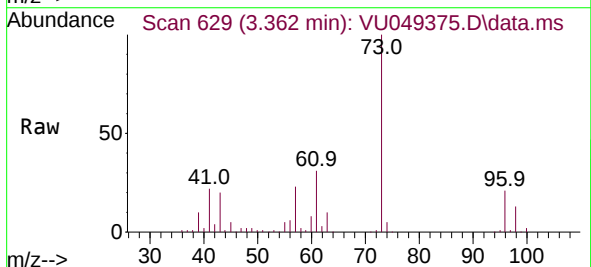
Tgt Ion: 73 Resp: 288303

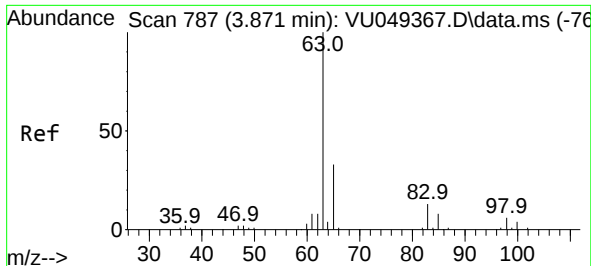
Ion Ratio Lower Upper

73 100

43 20.1 15.0 22.4

57 23.0 17.3 25.9





#19

1,1-Dichloroethane

Concen: 50.566 ug/L

RT: 3.867 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

ClientSampleId :

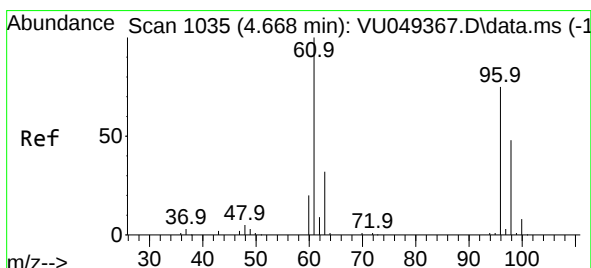
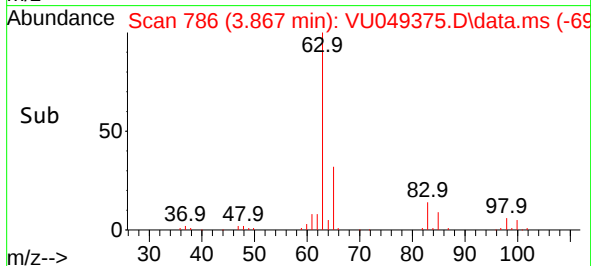
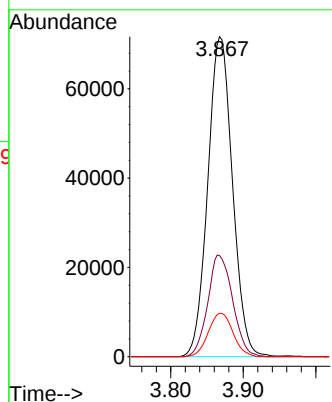
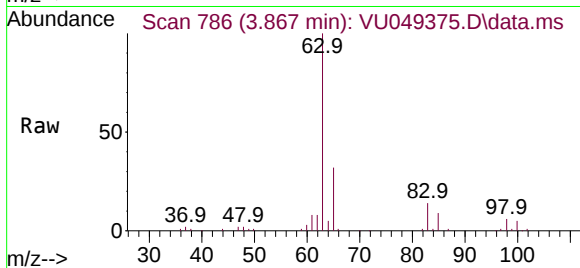
Tgt Ion: 63 Resp: 169578

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

83 13.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 48.903 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

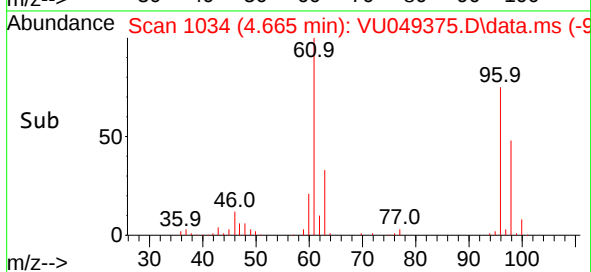
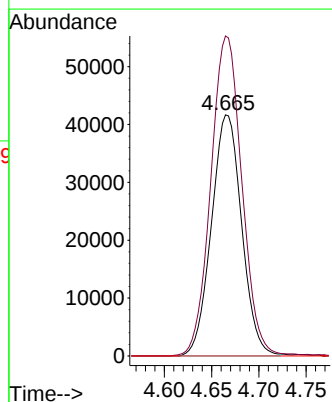
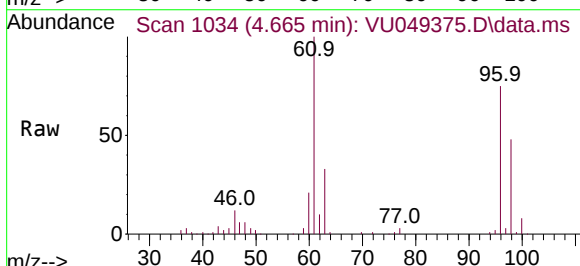
Tgt Ion: 96 Resp: 92616

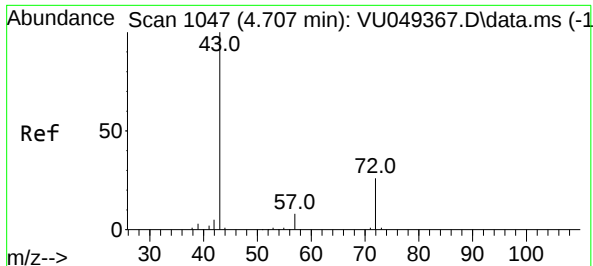
Ion Ratio Lower Upper

96 100

61 132.7 91.6 170.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.393 ug/L

RT: 4.700 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

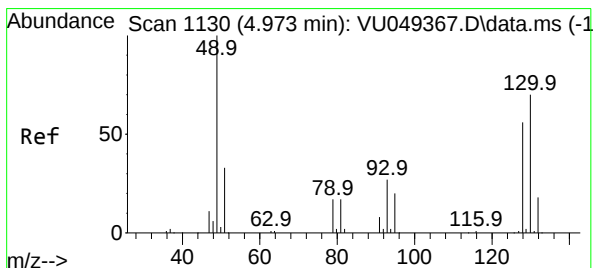
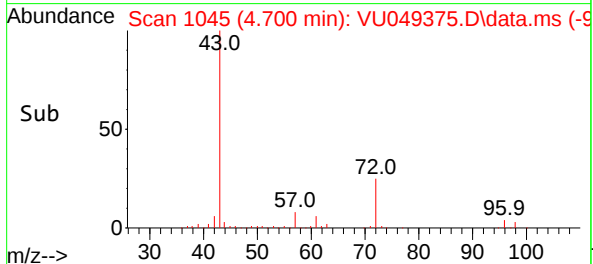
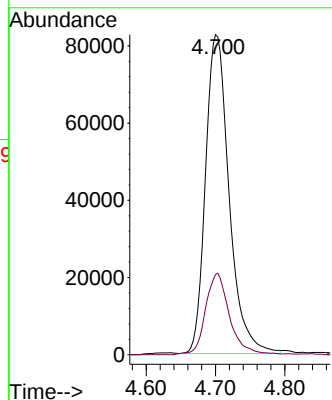
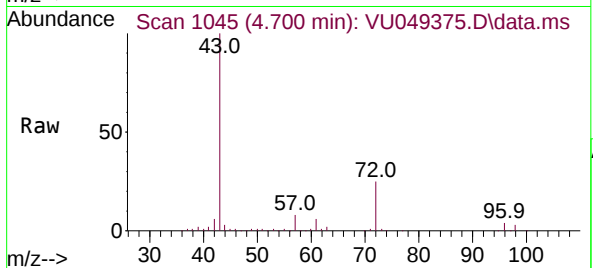
ClientSampleId :

Tgt Ion: 43 Resp: 195753

Ion Ratio Lower Upper

43 100

72 25.7 13.7 41.0



#23

Bromochloromethane

Concen: 47.236 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Tgt Ion:128 Resp: 46953

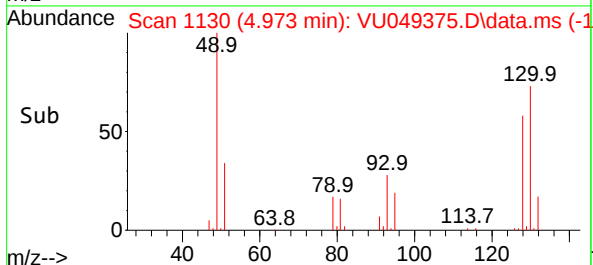
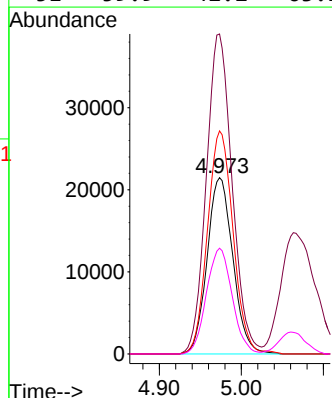
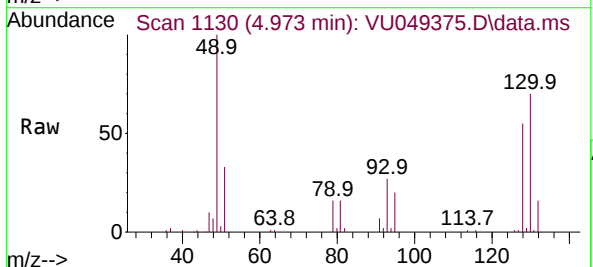
Ion Ratio Lower Upper

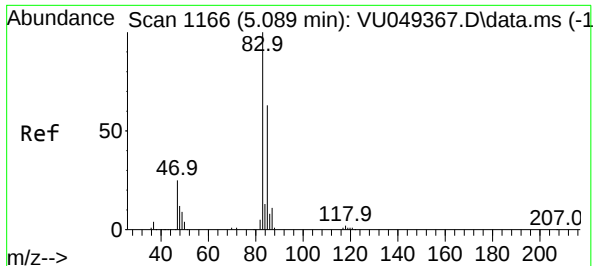
128 100

49 181.4 111.9 207.9

130 126.4 88.6 164.6

51 59.9 42.2 63.2





#25

Chloroform

Concen: 50.097 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

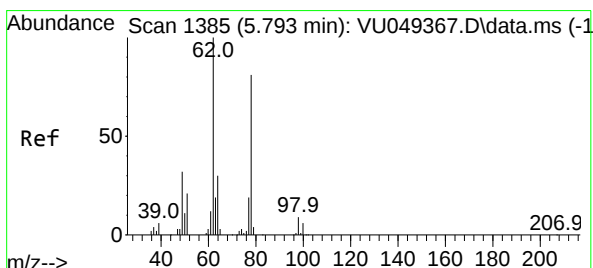
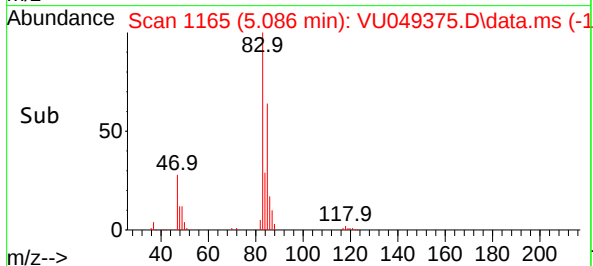
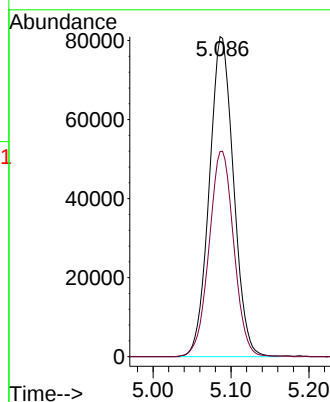
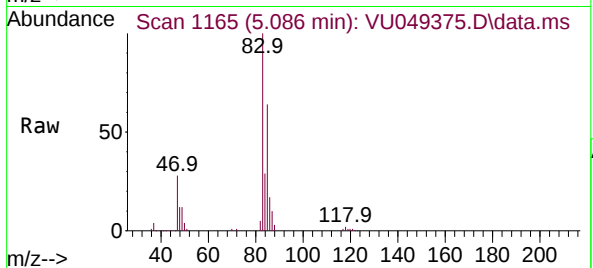
ClientSampleId :

Tgt Ion: 83 Resp: 175089

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9



#27

1,2-Dichloroethane

Concen: 47.429 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU049375.D

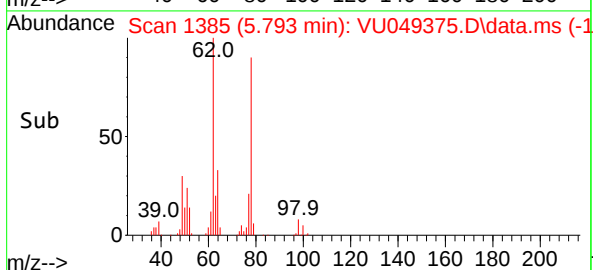
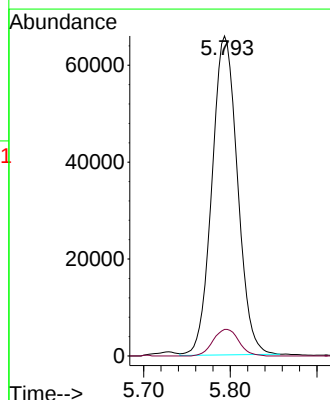
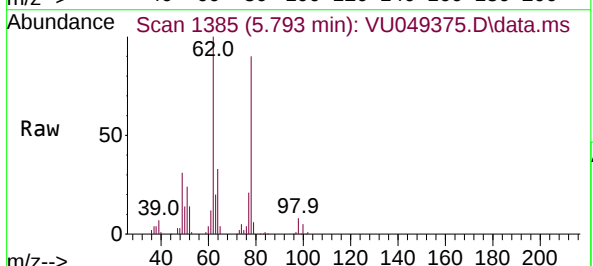
Acq: 23 Jun 2022 13:38

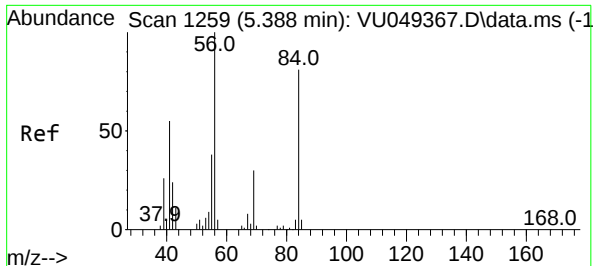
Tgt Ion: 62 Resp: 134940

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.4





#29

Cyclohexane

Concen: 56.508 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

ClientSampleId :

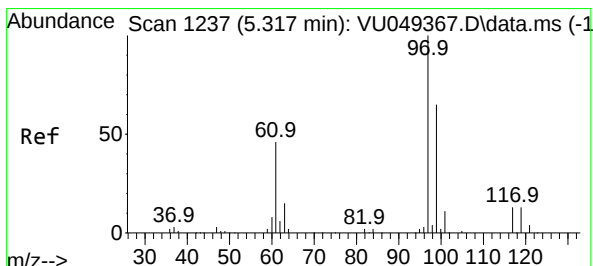
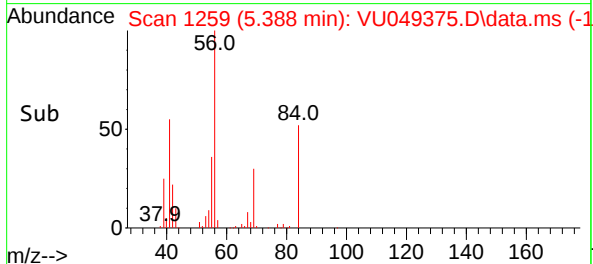
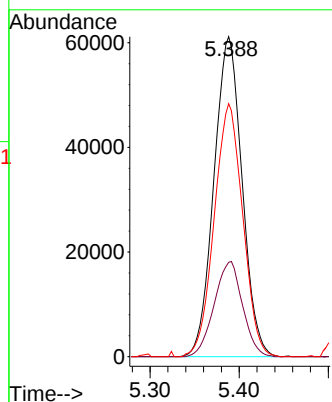
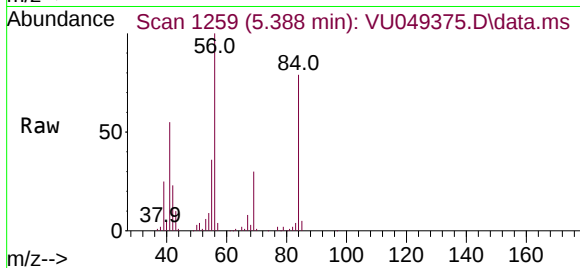
Tgt Ion: 56 Resp: 134247

Ion Ratio Lower Upper

56 100

69 29.9 24.6 36.8

84 80.0 69.7 104.5



#30

1,1,1-Trichloroethane

Concen: 49.677 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

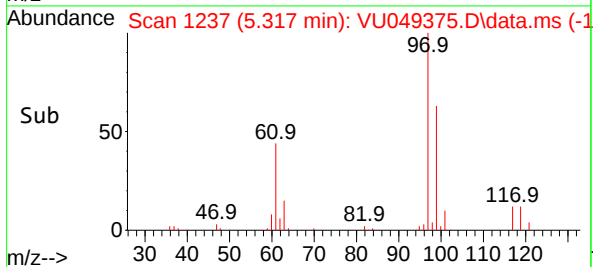
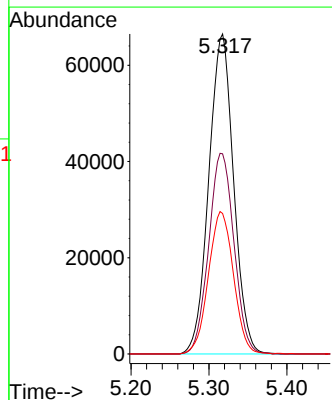
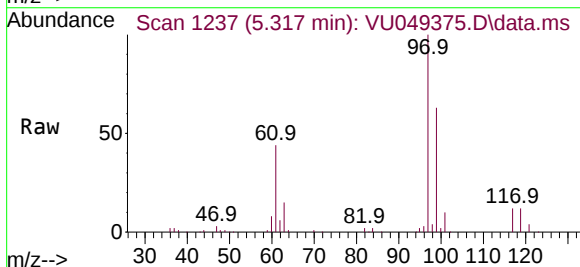
Tgt Ion: 97 Resp: 147064

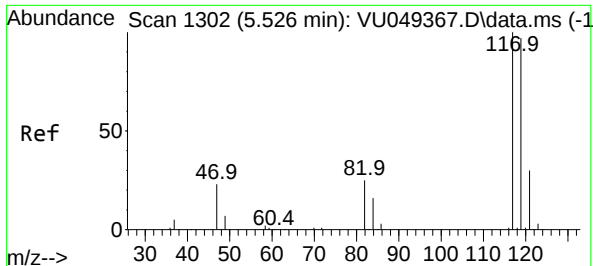
Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

61 44.9 34.2 51.2

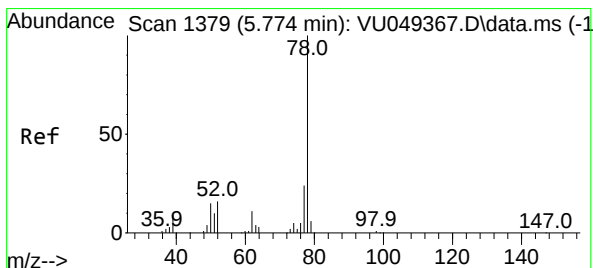
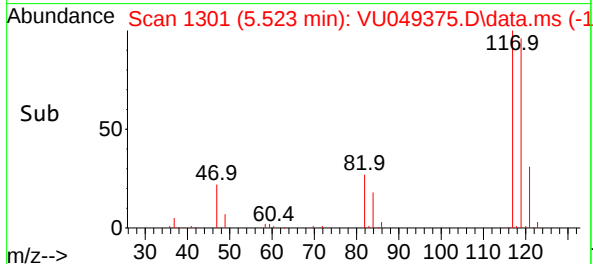
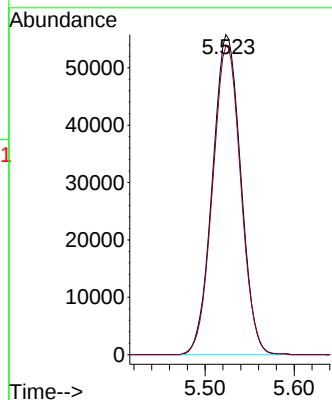
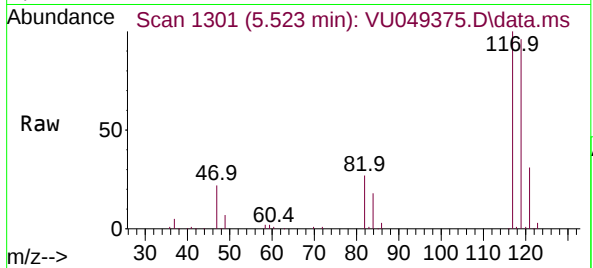




#31  
Carbon tetrachloride  
Concen: 47.521 ug/L  
RT: 5.523 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

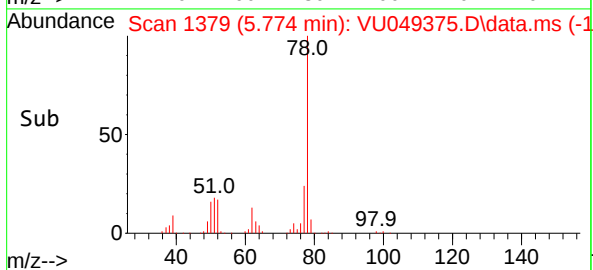
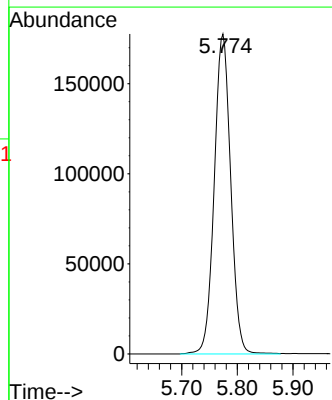
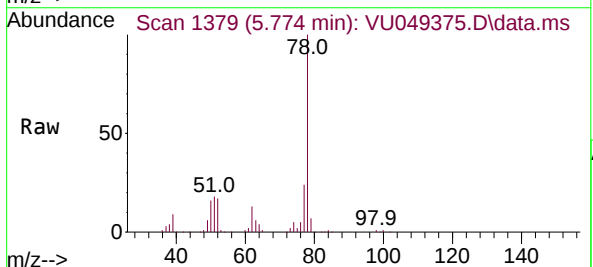
Instrument :  
MSVOA\_U  
ClientSampleId :

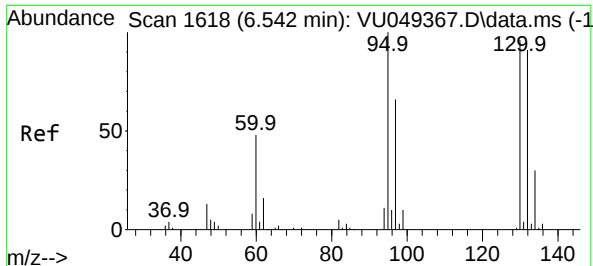
Tgt Ion:117 Resp: 123039  
Ion Ratio Lower Upper  
117 100  
119 96.1 76.5 114.7



#33  
Benzene  
Concen: 52.892 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion: 78 Resp: 363757

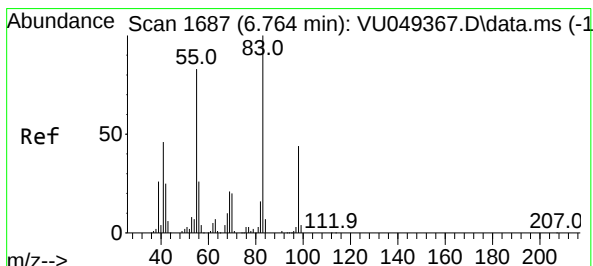
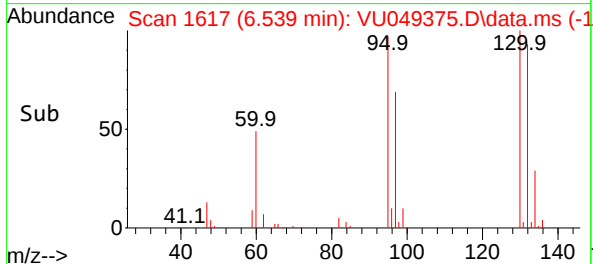
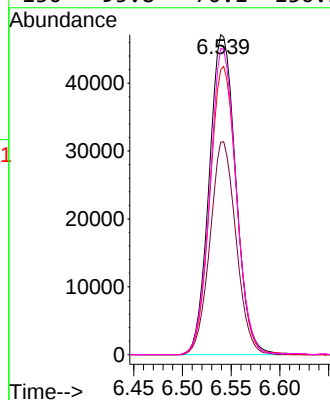
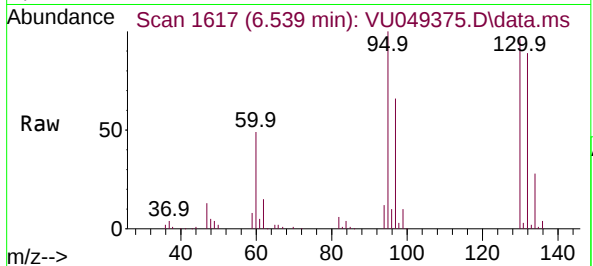




#34  
Trichloroethene  
Concen: 51.644 ug/L  
RT: 6.539 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

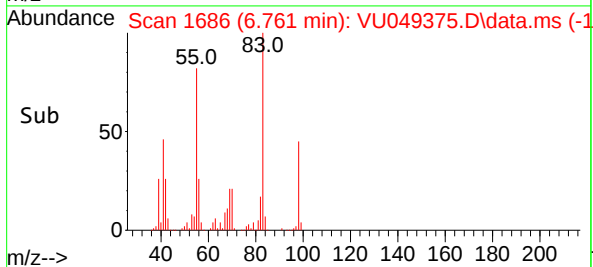
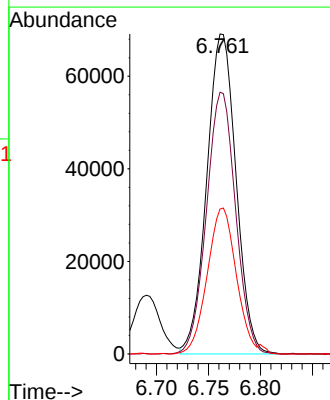
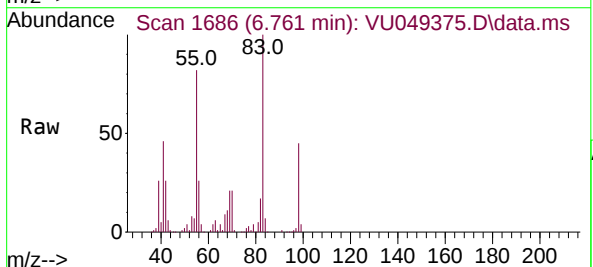
Instrument :  
MSVOA\_U  
ClientSampleId :

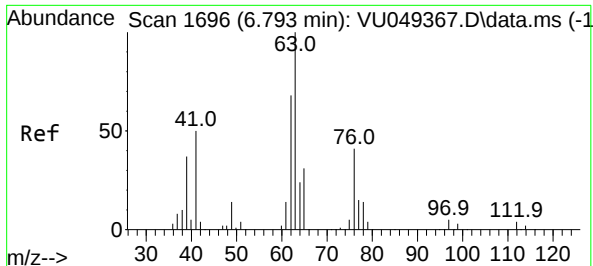
Tgt Ion: 95 Resp: 89529  
Ion Ratio Lower Upper  
95 100  
97 66.4 45.4 84.4  
132 89.1 67.6 125.6  
130 95.8 70.1 130.3



#35  
Methylcyclohexane  
Concen: 56.022 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion: 83 Resp: 135562  
Ion Ratio Lower Upper  
83 100  
55 81.5 61.0 91.6  
98 45.0 36.8 55.2





#37

1,2-Dichloropropane

Concen: 54.526 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

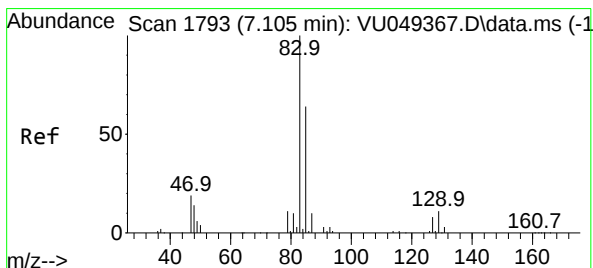
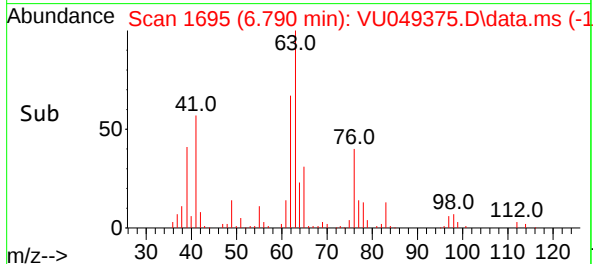
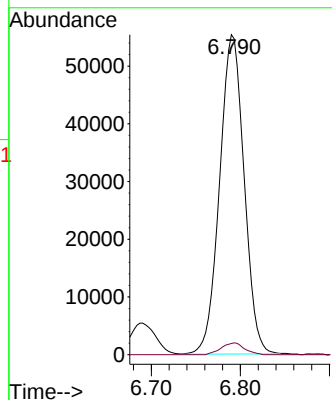
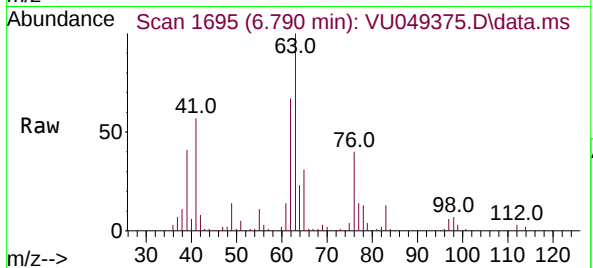
ClientSampleId :

Tgt Ion: 63 Resp: 105745

Ion Ratio Lower Upper

63 100

112 3.5 3.2 4.8



#38

Bromodichloromethane

Concen: 51.900 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

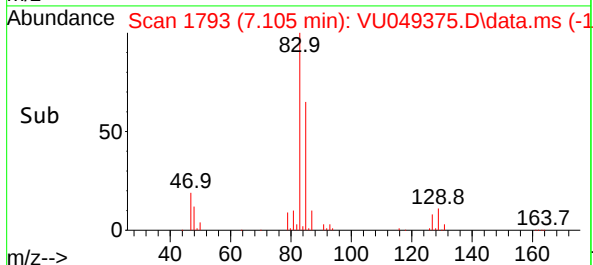
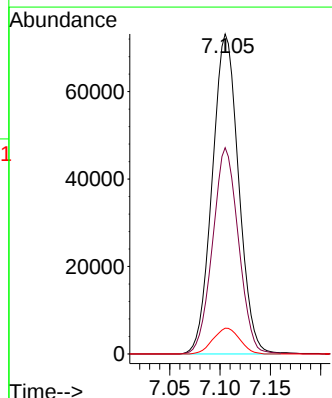
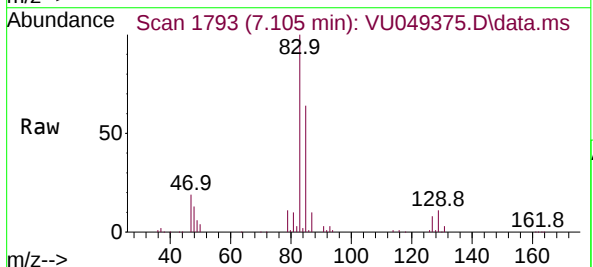
Tgt Ion: 83 Resp: 133636

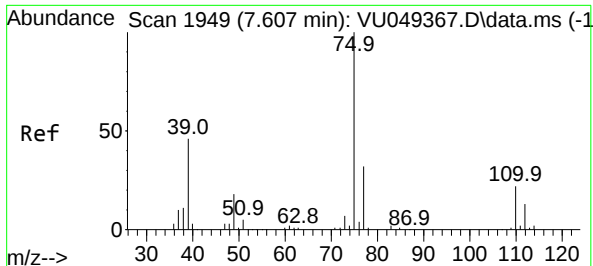
Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.6

127 8.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 53.754 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

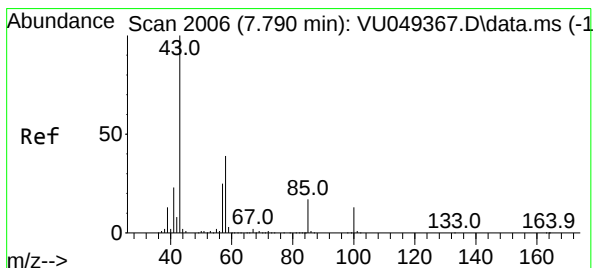
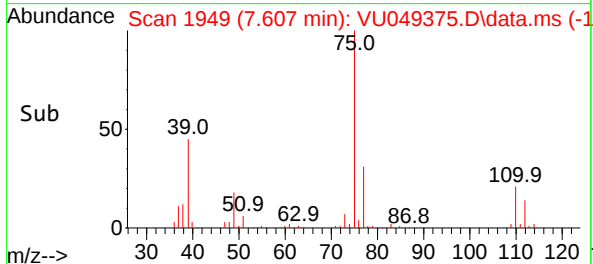
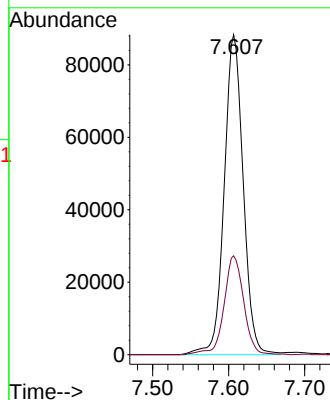
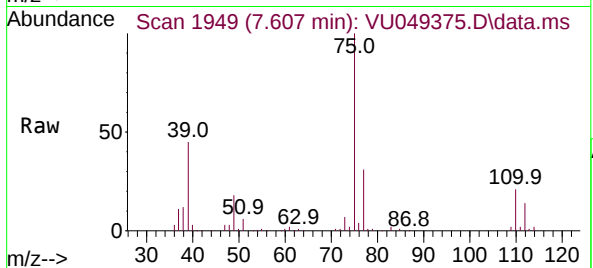
ClientSampleId :

Tgt Ion: 75 Resp: 153397

Ion Ratio Lower Upper

75 100

77 30.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 111.117 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

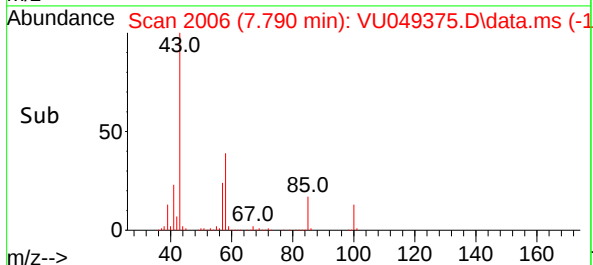
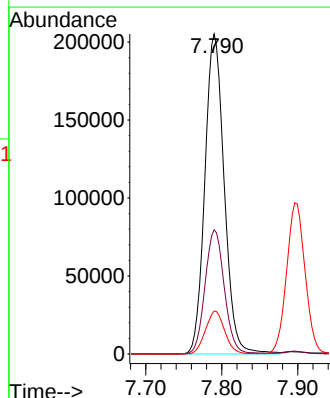
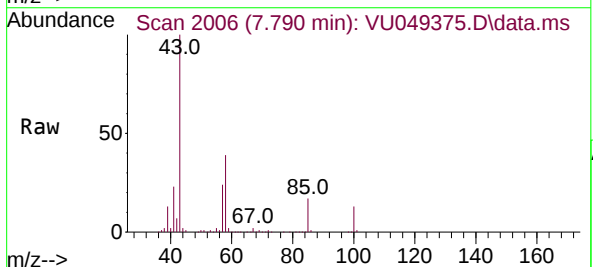
Tgt Ion: 43 Resp: 363059

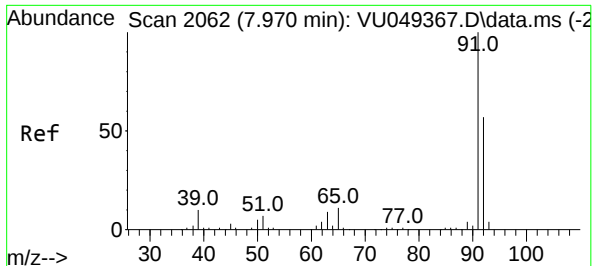
Ion Ratio Lower Upper

43 100

58 38.6 32.2 48.4

100 13.3 12.3 18.5





#42

Toluene

Concen: 53.577 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

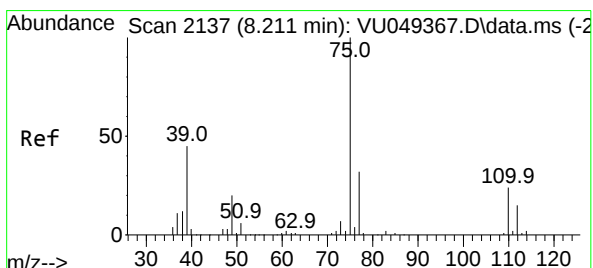
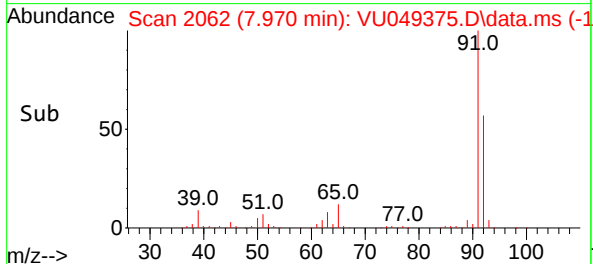
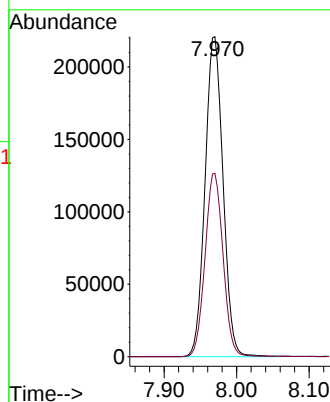
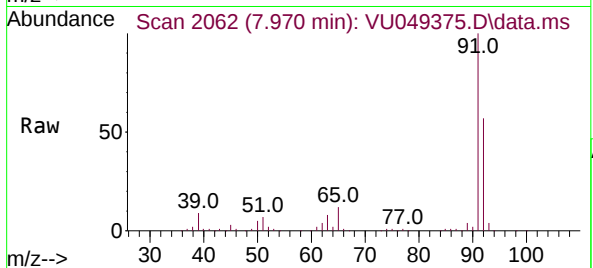
ClientSampleId :

Tgt Ion: 91 Resp: 380853

Ion Ratio Lower Upper

91 100

92 57.3 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 51.665 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU049375.D

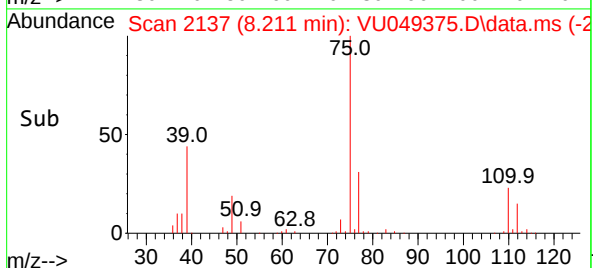
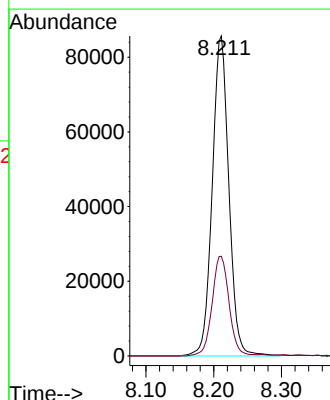
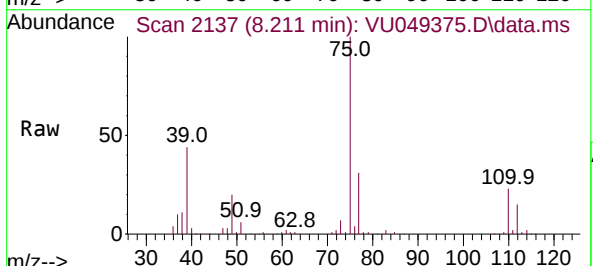
Acq: 23 Jun 2022 13:38

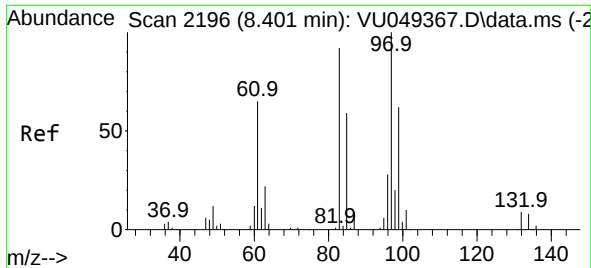
Tgt Ion: 75 Resp: 145991

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7

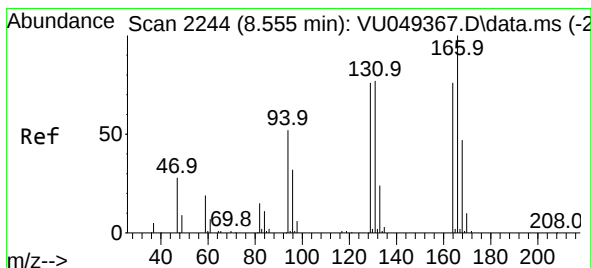
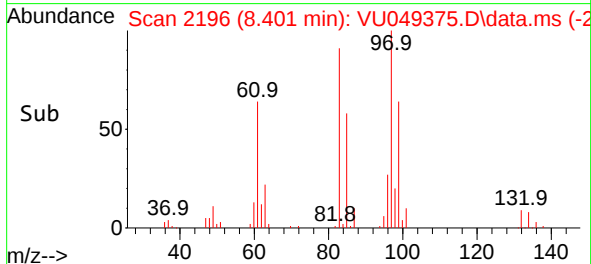
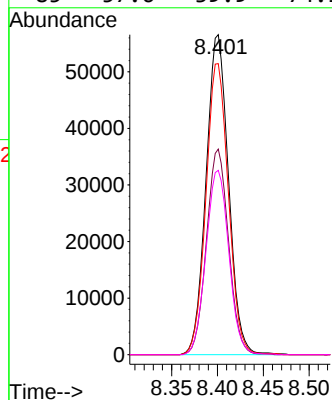
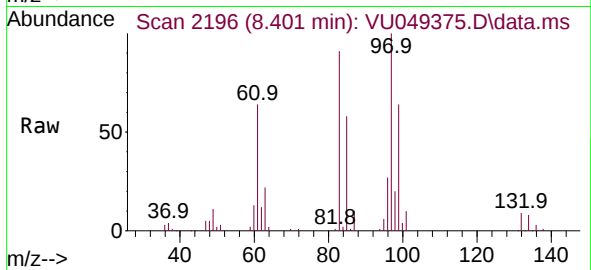




#45  
1,1,2-Trichloroethane  
Concen: 51.305 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

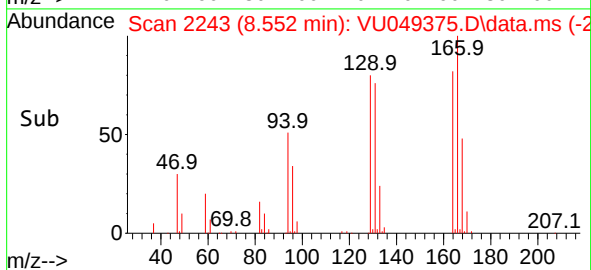
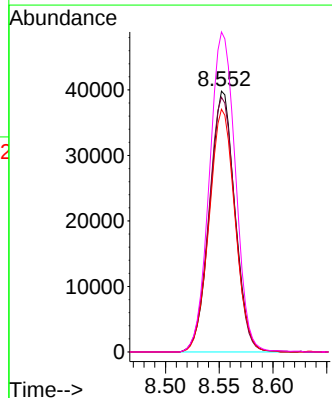
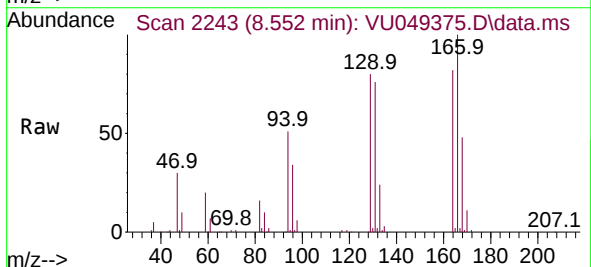
Instrument :  
MSVOA\_U  
ClientSampleId :

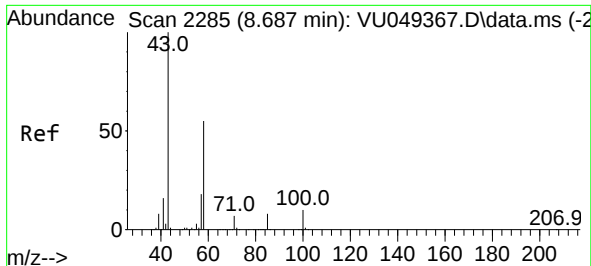
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 96415 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.3  | 43.5  | 80.9  |
| 83       | 90.9  | 60.3  | 112.1 |
| 85       | 57.6  | 39.9  | 74.1  |



#46  
Tetrachloroethene  
Concen: 48.563 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

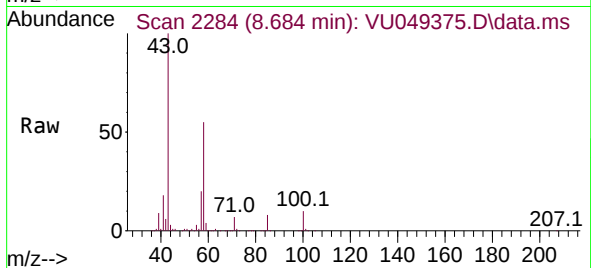
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 65269 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.6  | 70.9  | 131.7 |
| 131      | 93.0  | 66.2  | 123.0 |
| 166      | 122.7 | 88.1  | 163.5 |





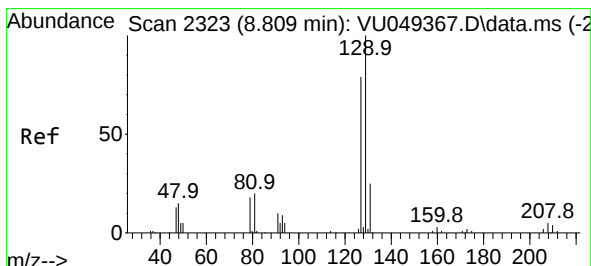
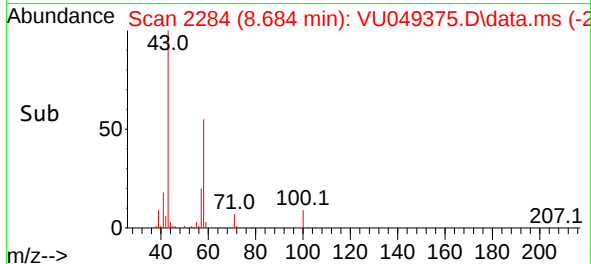
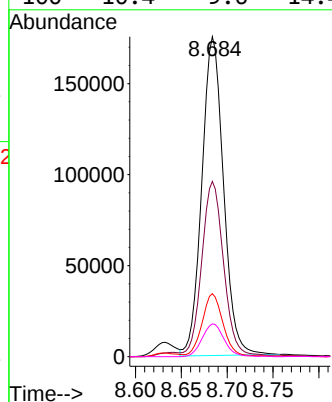
#48  
2-Hexanone  
Concen: 108.679 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 43 Resp: 288678

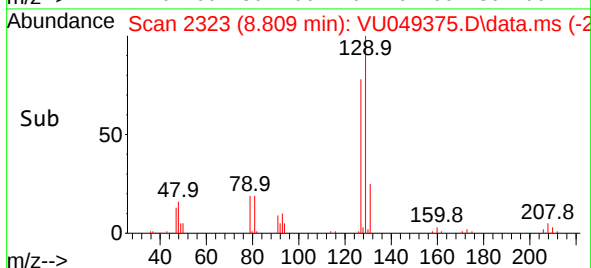
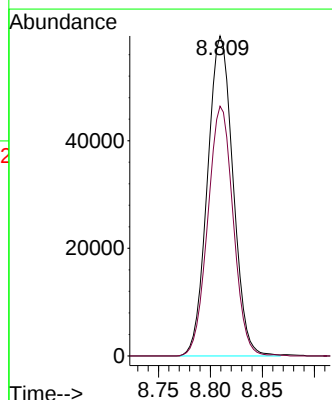
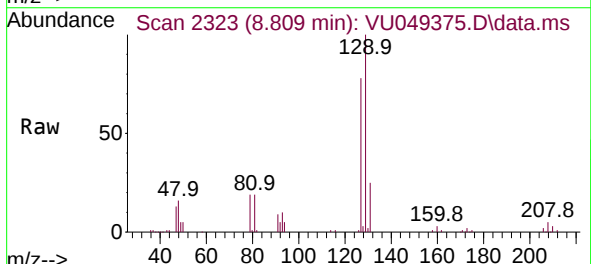
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 55.4  | 45.8  | 68.8  |
| 57  | 18.6  | 16.2  | 24.4  |
| 100 | 10.4  | 9.6   | 14.4  |

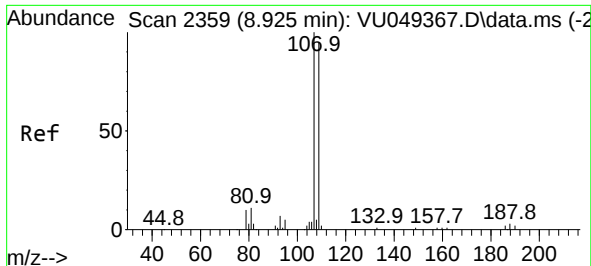


#49  
Dibromochloromethane  
Concen: 48.673 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion: 129 Resp: 101843

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.0  | 53.5  | 99.5  |





#50

1,2-Dibromoethane

Concen: 51.408 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

ClientSampleId :

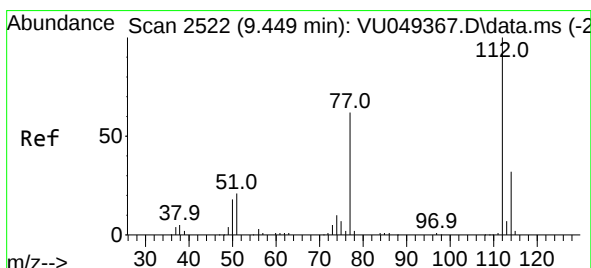
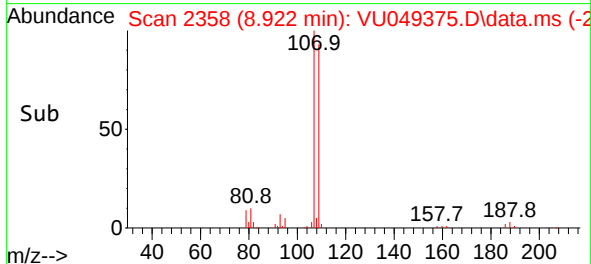
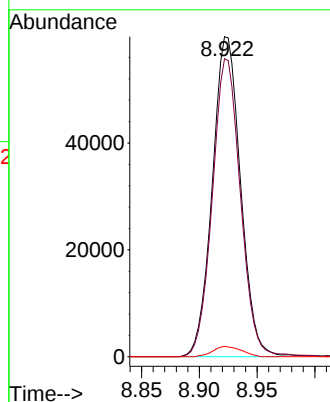
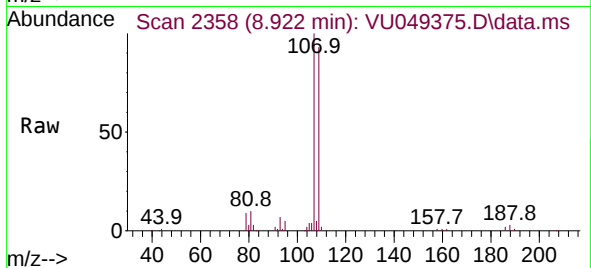
Tgt Ion:107 Resp: 101633

Ion Ratio Lower Upper

107 100

109 93.1 67.2 124.8

188 3.2 2.7 4.1



#51

Chlorobenzene

Concen: 49.264 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

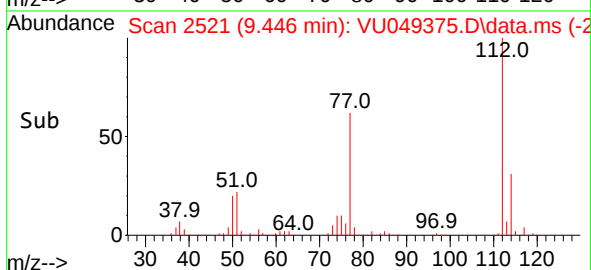
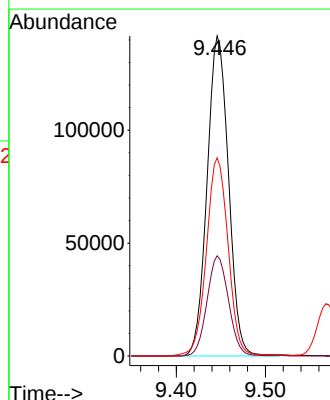
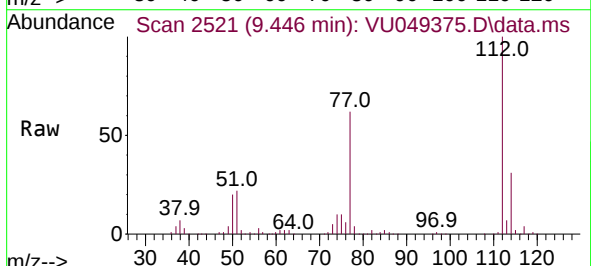
Tgt Ion:112 Resp: 236721

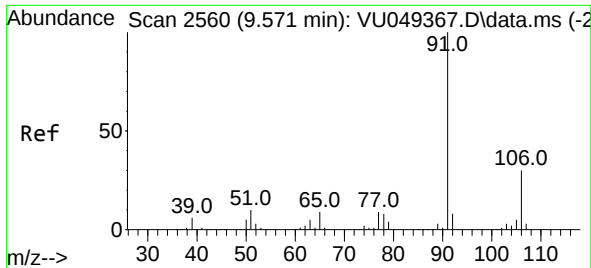
Ion Ratio Lower Upper

112 100

114 31.3 22.3 41.3

77 61.9 47.1 70.7

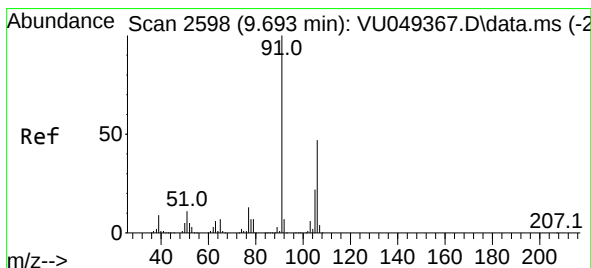
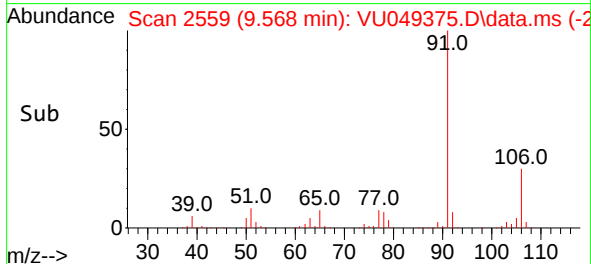
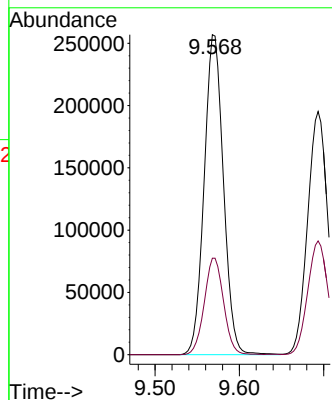
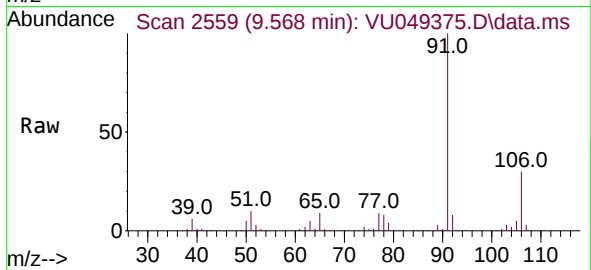




#52  
Ethylbenzene  
Concen: 52.995 ug/L  
RT: 9.568 min Scan# 2559  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

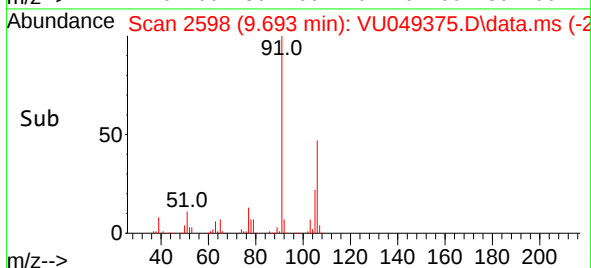
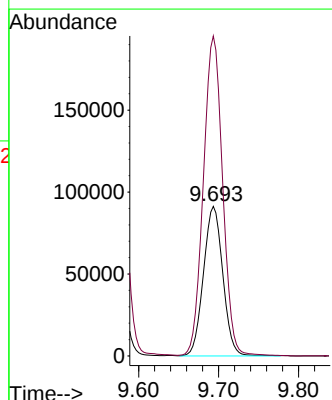
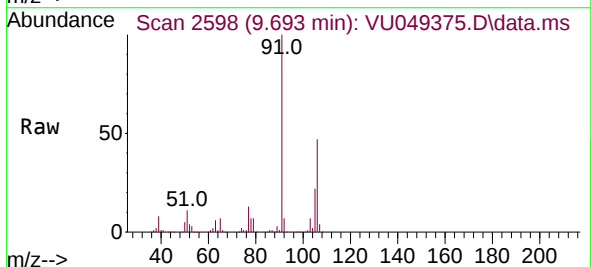
Instrument :  
MSVOA\_U  
ClientSampleId :

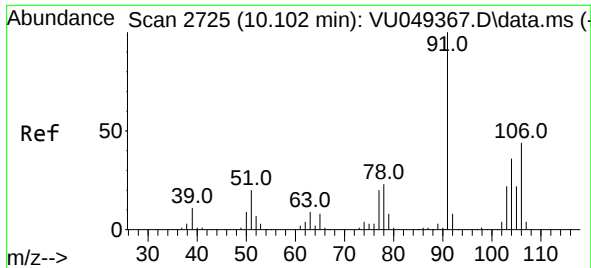
Tgt Ion: 91 Resp: 409589  
Ion Ratio Lower Upper  
91 100  
106 30.2 21.6 40.2



#53  
m,p-Xylene  
Concen: 50.714 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion: 106 Resp: 153922  
Ion Ratio Lower Upper  
106 100  
91 213.9 137.4 255.2

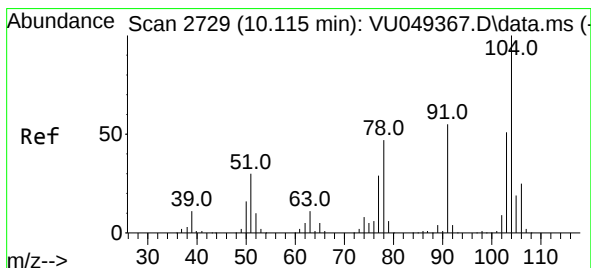
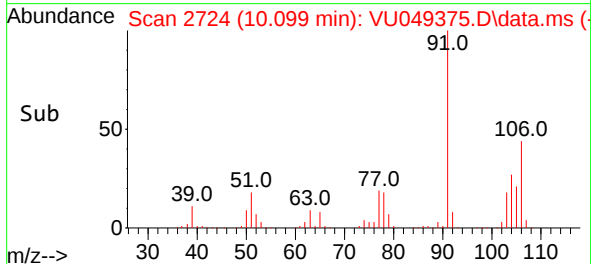
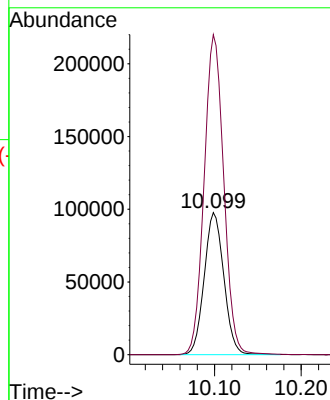
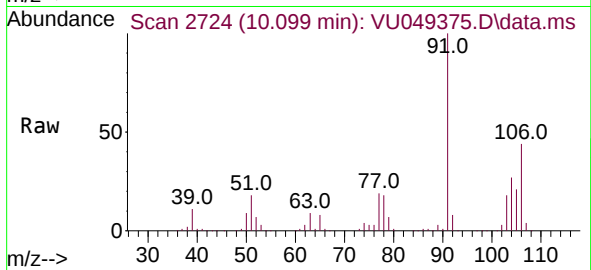




#54  
o-Xylene  
Concen: 50.317 ug/L  
RT: 10.099 min Scan# 2724  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

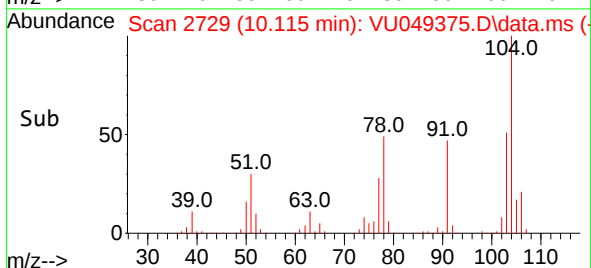
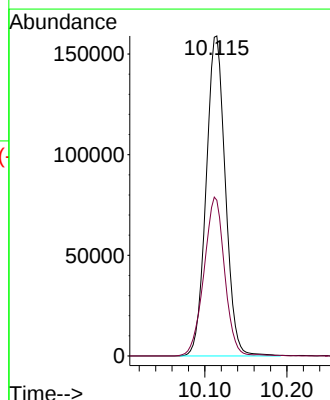
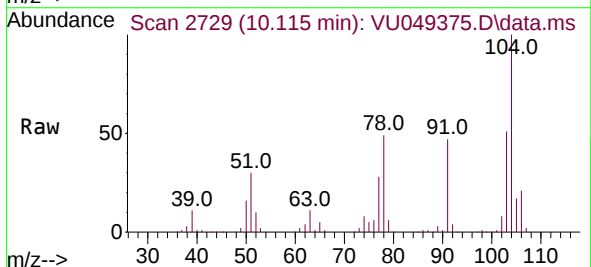
Instrument :  
MSVOA\_U  
ClientSampleId :

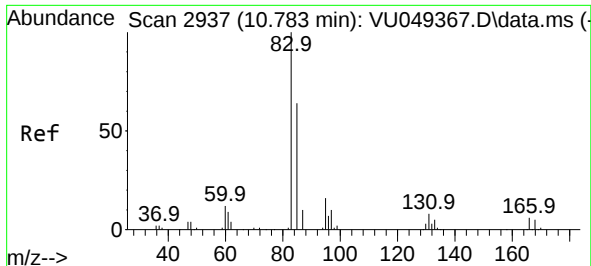
Tgt Ion:106 Resp: 153866  
Ion Ratio Lower Upper  
106 100  
91 225.2 145.2 269.6



#55  
Styrene  
Concen: 50.603 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion:104 Resp: 258411  
Ion Ratio Lower Upper  
104 100  
78 48.7 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 50.687 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

ClientSampleId :

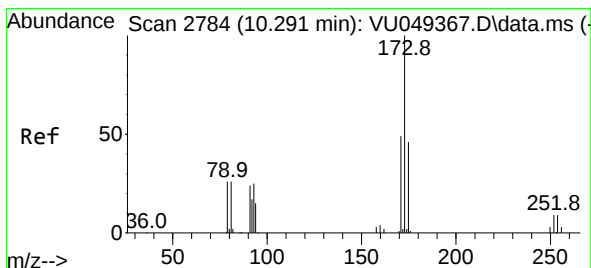
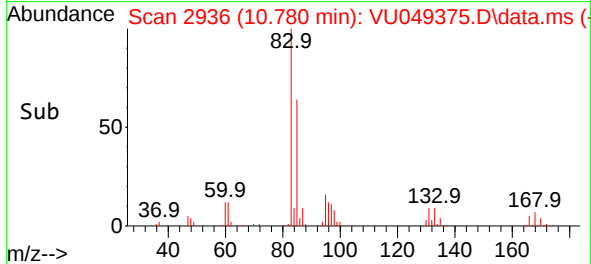
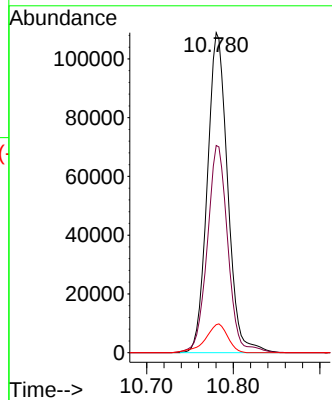
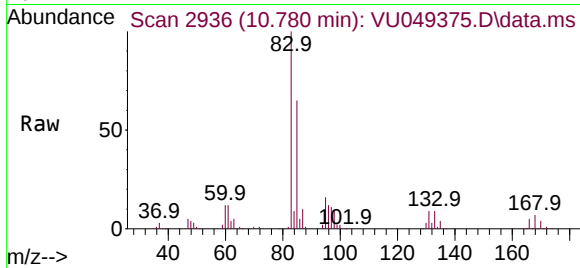
Tgt Ion: 83 Resp: 177512

Ion Ratio Lower Upper

83 100

85 64.8 44.5 82.7

131 8.7 7.6 11.4



#59

Bromoform

Concen: 46.305 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

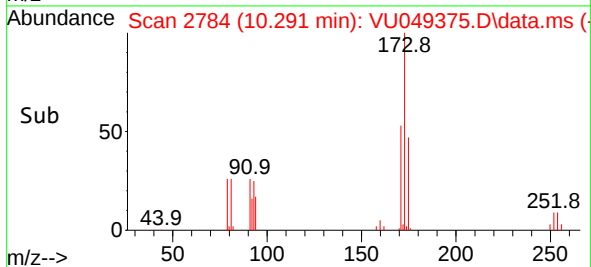
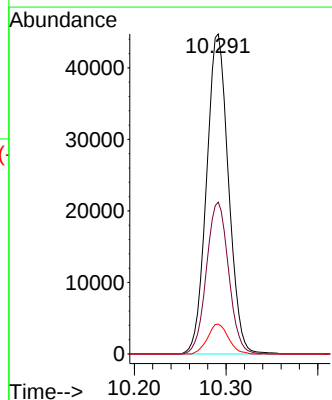
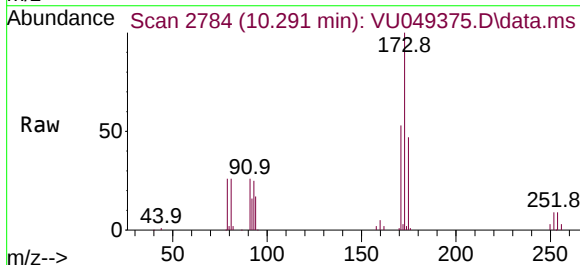
Tgt Ion:173 Resp: 74411

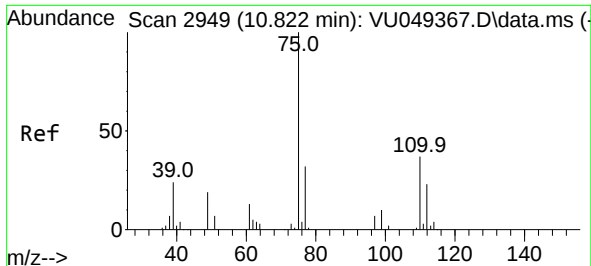
Ion Ratio Lower Upper

173 100

175 47.8 37.8 56.8

254 8.8 7.2 10.8

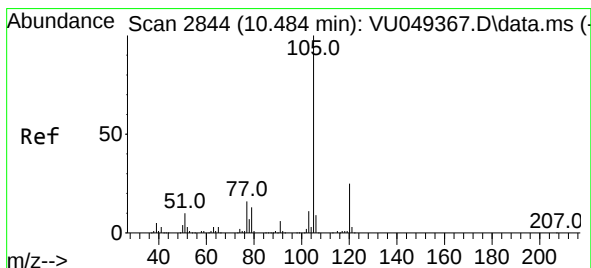
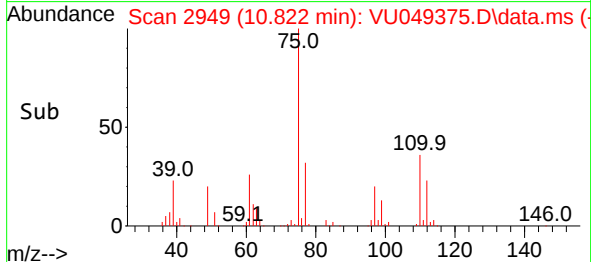
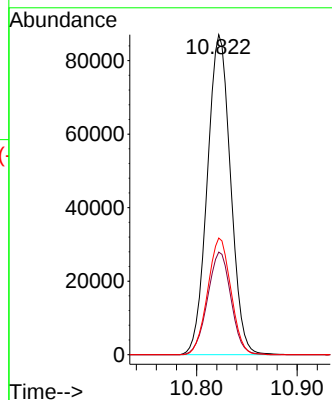
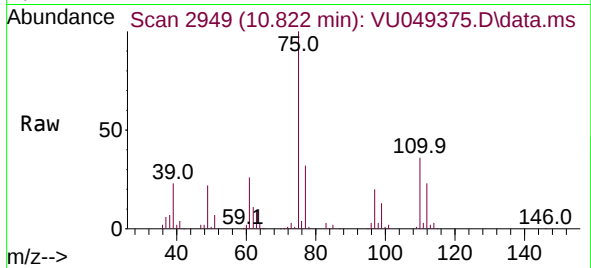




#60  
1,2,3-Trichloropropane  
Concen: 50.649 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

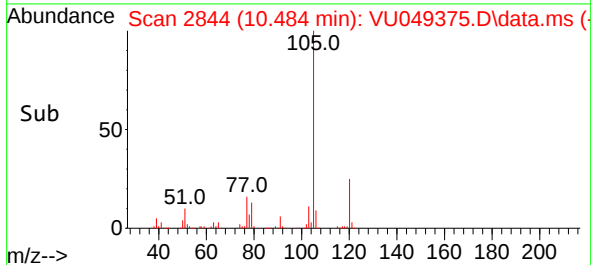
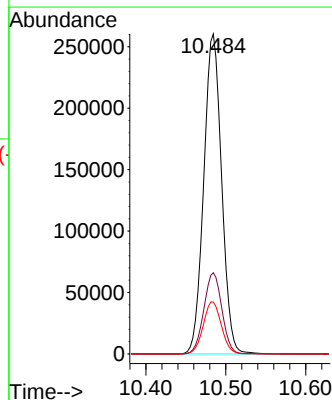
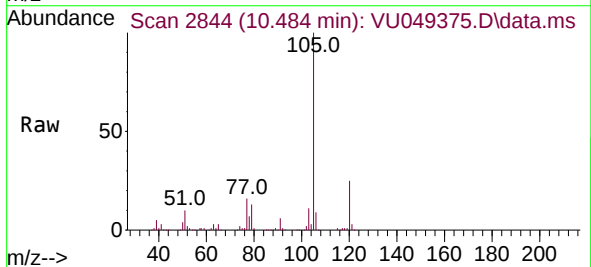
Instrument :  
MSVOA\_U  
ClientSampleId :

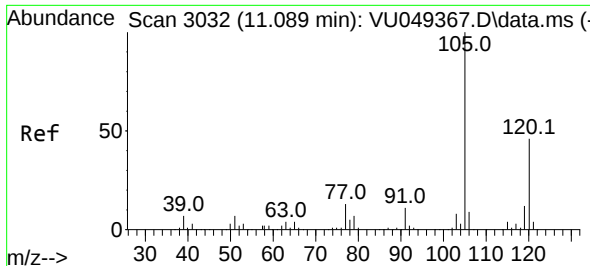
Tgt Ion: 75 Resp: 139893  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.6 40.0  
110 36.4 30.2 45.4



#61  
Isopropylbenzene  
Concen: 54.774 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion:105 Resp: 405132  
Ion Ratio Lower Upper  
105 100  
120 25.7 21.1 31.7  
77 16.5 12.7 19.1

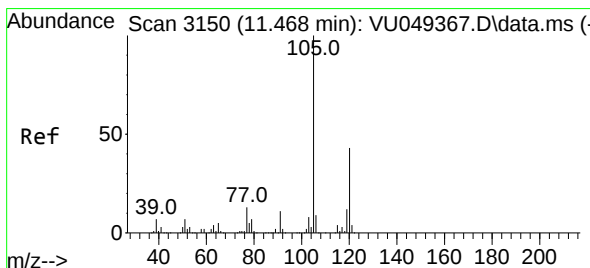
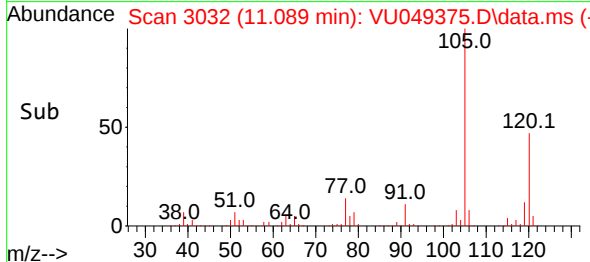
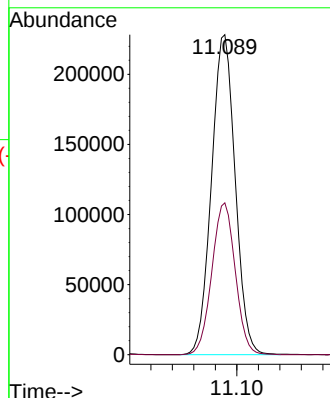
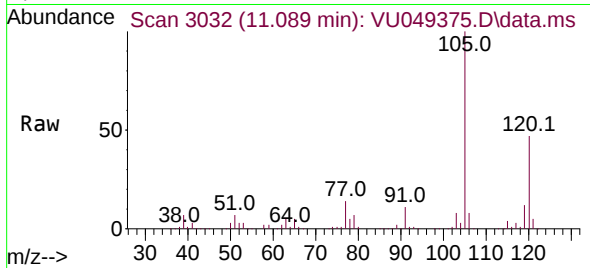




#62  
 1,3,5-Trimethylbenzene  
 Concen: 55.299 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. -0.000 min  
 Lab File: VU049375.D  
 Acq: 23 Jun 2022 13:38

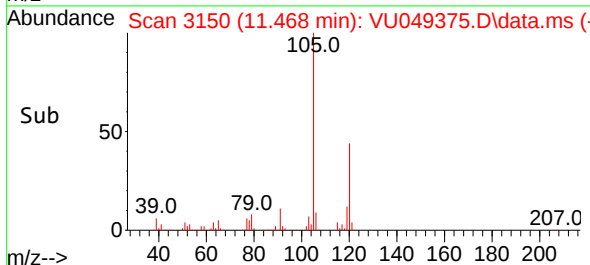
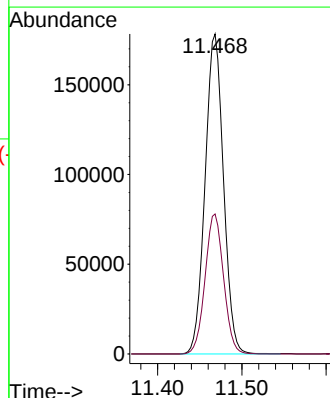
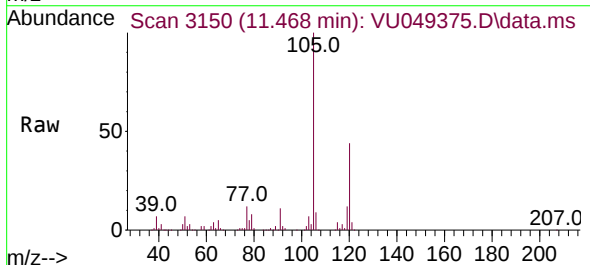
Instrument :  
 MSVOA\_U  
 ClientSampleId :

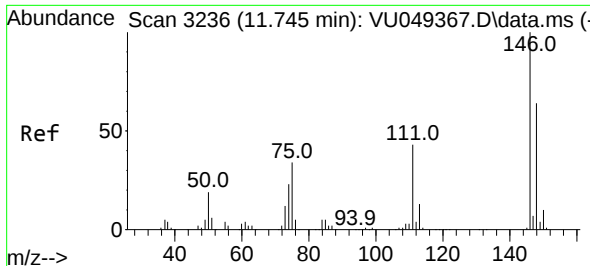
Tgt Ion:105 Resp: 349199  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 39.1 58.7



#63  
 1,2,4-Trimethylbenzene  
 Concen: 53.980 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. -0.000 min  
 Lab File: VU049375.D  
 Acq: 23 Jun 2022 13:38

Tgt Ion:105 Resp: 271383  
 Ion Ratio Lower Upper  
 105 100  
 120 43.9 36.3 54.5

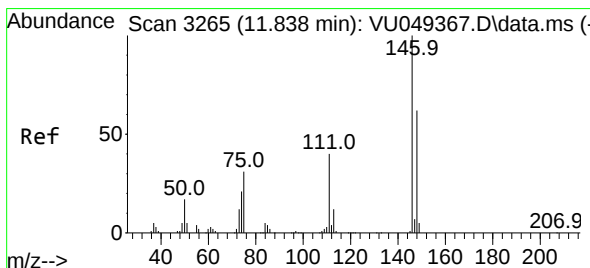
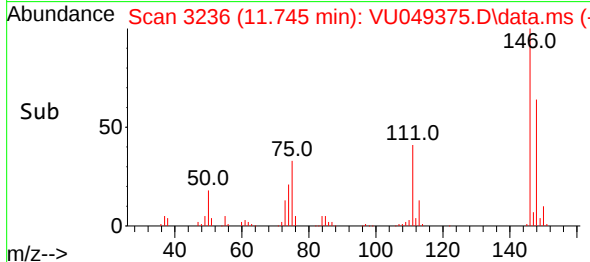
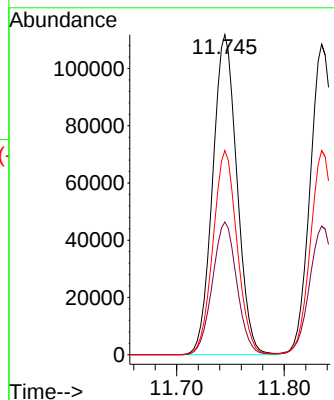
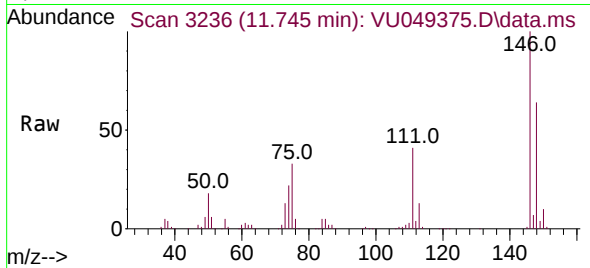




#64  
1,3-Dichlorobenzene  
Concen: 48.454 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

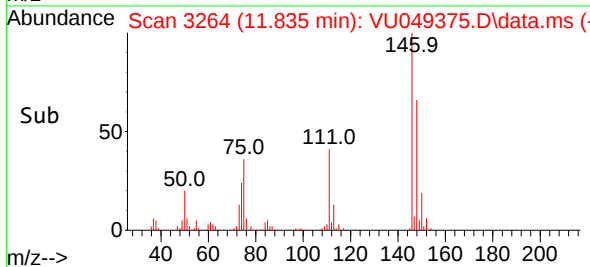
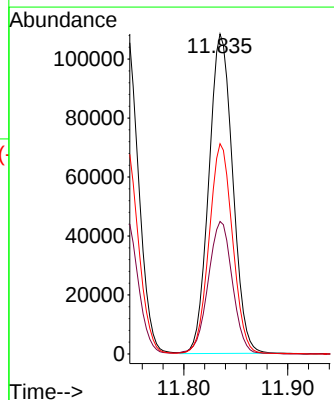
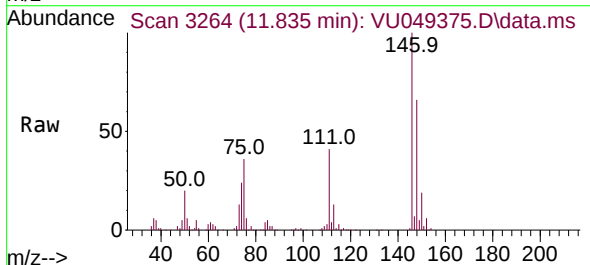
Instrument :  
MSVOA\_U  
ClientSampleId :

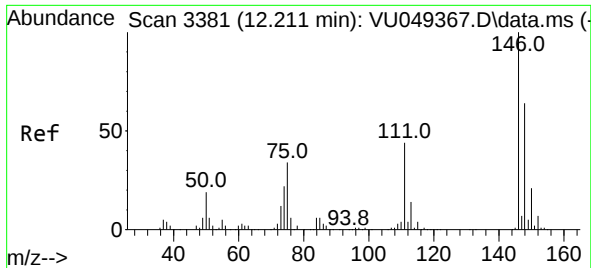
Tgt Ion:146 Resp: 175803  
Ion Ratio Lower Upper  
146 100  
111 41.4 29.8 55.3  
148 63.8 45.8 85.0



#65  
1,4-Dichlorobenzene  
Concen: 47.048 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion:146 Resp: 172832  
Ion Ratio Lower Upper  
146 100  
111 41.4 28.1 52.1  
148 65.7 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 48.812 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

ClientSampleId :

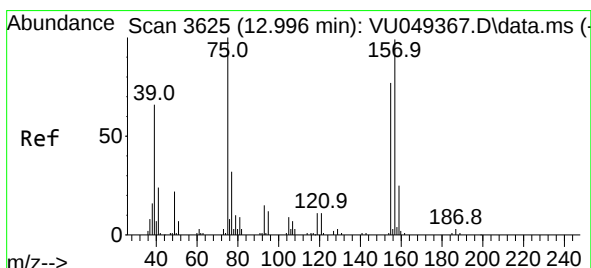
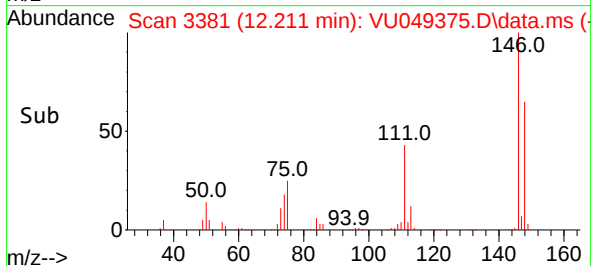
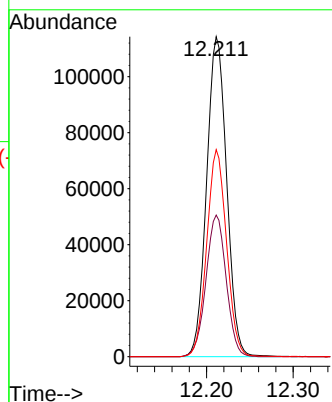
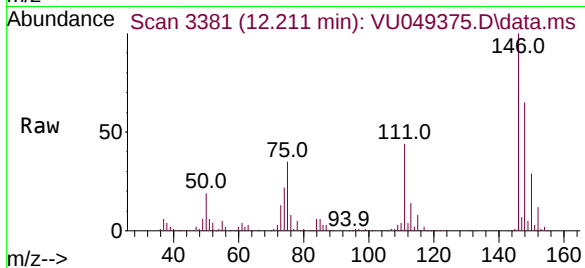
Tgt Ion:146 Resp: 183791

Ion Ratio Lower Upper

146 100

111 44.3 33.9 50.9

148 64.7 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 47.924 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

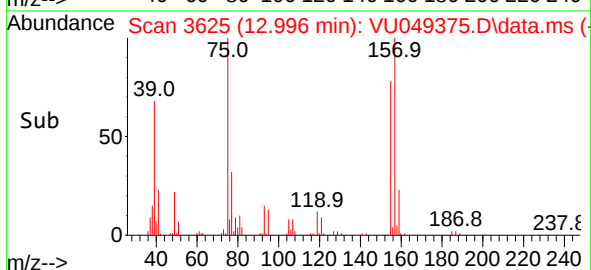
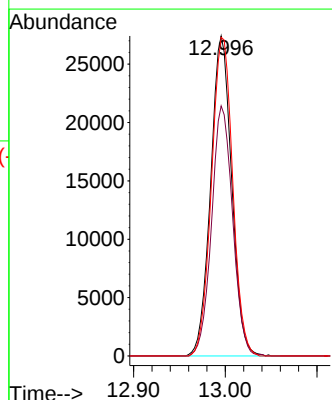
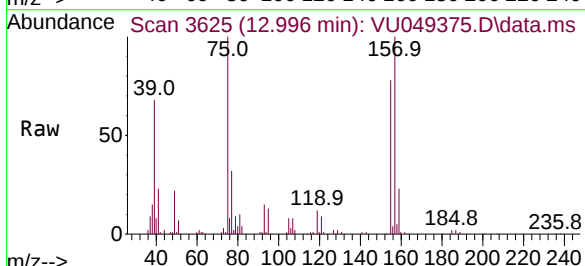
Tgt Ion: 75 Resp: 43688

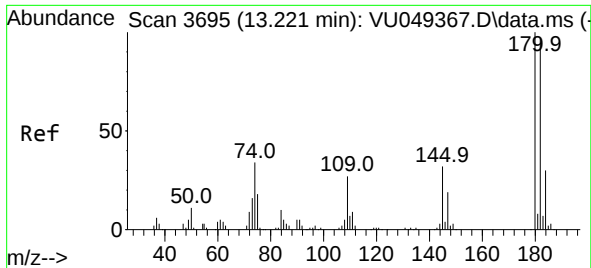
Ion Ratio Lower Upper

75 100

155 78.1 61.0 91.6

157 99.6 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 47.893 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

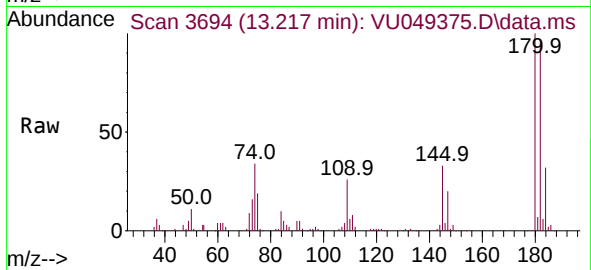
Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 124137

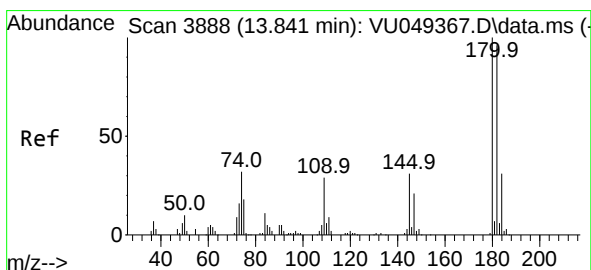
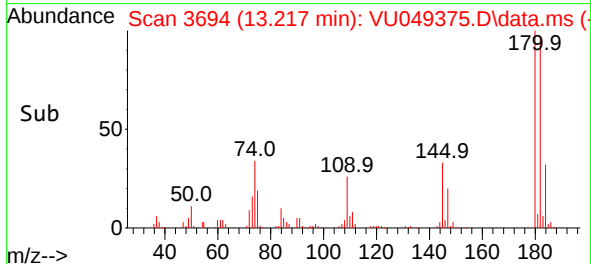
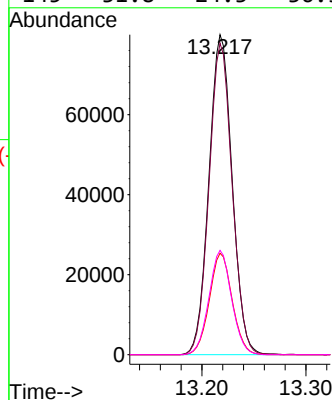
Ion Ratio Lower Upper

180 100

182 96.7 76.0 114.0

184 31.2 24.5 36.7

145 31.8 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 48.209 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU049375.D

Acq: 23 Jun 2022 13:38

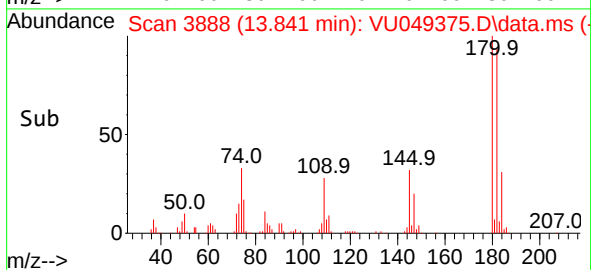
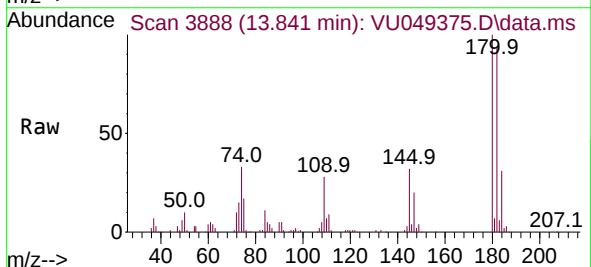
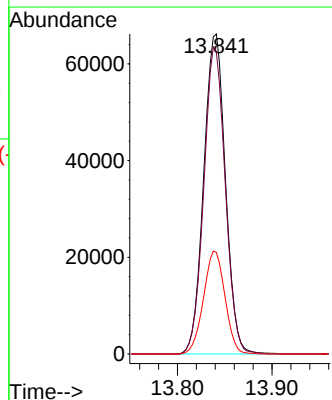
Tgt Ion:180 Resp: 105666

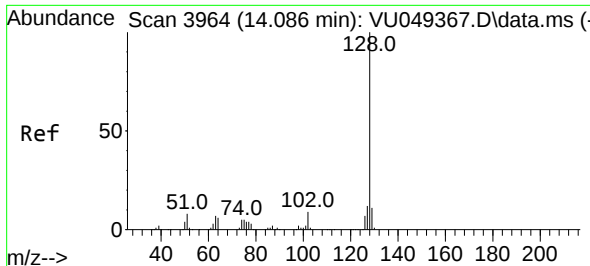
Ion Ratio Lower Upper

180 100

182 94.5 78.2 117.2

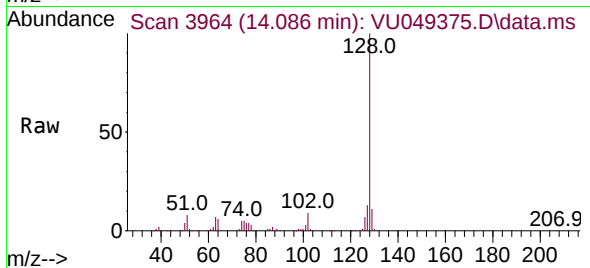
145 31.8 25.0 37.4



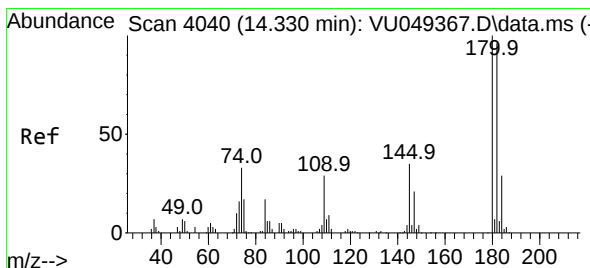
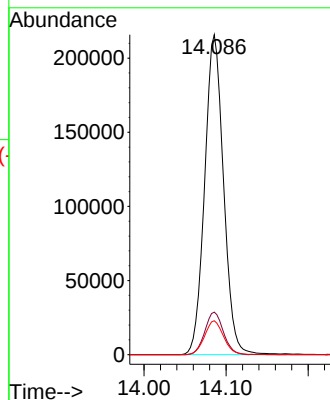
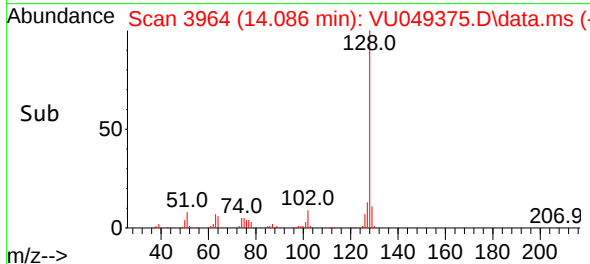


#71  
Naphthalene  
Concen: 44.495 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 345033  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.4  
129 10.7 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 47.799 ug/L  
RT: 14.327 min Scan# 4039  
Delta R.T. -0.003 min  
Lab File: VU049375.D  
Acq: 23 Jun 2022 13:38

Tgt Ion:180 Resp: 110819  
Ion Ratio Lower Upper  
180 100  
182 95.9 77.3 115.9  
145 33.3 26.3 39.5

