

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102021\  
 Data File : VU045343.D  
 Acq On : 20 Oct 2021 13:54  
 Operator : SY/MD  
 Sample : MDL03  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 21 01:58:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 21 01:57:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 309810   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423   | 117   | 313243   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819  | 152   | 144969   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 53821    | 39.879   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 79.760%  |
| 7) Chloroethane-d5            | 1.871   | 69    | 21127    | 16.381   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 32.760%# |
| 11) 1,1-Dichloroethene-d2     | 2.549   | 63    | 71947    | 26.773   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 53.540%# |
| 21) 2-Butanone-d5             | 4.633   | 46    | 203410   | 100.972  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 100.970% |
| 24) Chloroform-d              | 5.063   | 84    | 161154   | 44.898   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 116186   | 47.356   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.720%  |
| 32) Benzene-d6                | 5.726   | 84    | 274125   | 46.527   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.060%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 109821   | 47.952   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.900%  |
| 41) Toluene-d8                | 7.899   | 98    | 223417   | 44.458   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.920%  |
| 43) trans-1,3-Dichloroprop... | 8.185   | 79    | 55173    | 47.460   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.920%  |
| 47) 2-Hexanone-d5             | 8.642   | 63    | 164332   | 114.358  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 114.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764  | 84    | 237621   | 54.882   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 109.760% |
| 66) 1,2-Dichlorobenzene-d4    | 12.198  | 152   | 132058   | 52.503   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.000% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 4680     | 2.072    | ug/L   | 94       |
| 3) Chloromethane              | 1.517   | 50    | 6452     | 2.524    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604   | 62    | 5569     | 1.970    | ug/L # | 39       |
| 6) Bromomethane               | 1.822   | 94    | 1780     | 1.190    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.102   | 101   | 6383     | 1.856    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562   | 101   | 5018     | 2.296    | ug/L   | 87       |
| 12) 1,1-Dichloroethene        | 2.562   | 96    | 4376     | 2.172    | ug/L # | 1        |
| 13) Acetone                   | 2.639   | 43    | 8145     | 3.473    | ug/L   | 99       |
| 14) Carbon disulfide          | 2.774   | 76    | 10958    | 1.979    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.957   | 43    | 6648     | 2.286    | ug/L   | 90       |
| 16) Methylene chloride        | 3.041   | 84    | 7579     | 2.921    | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.346   | 96    | 4604     | 2.130    | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 3.372   | 73    | 15813    | 2.098    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 9626     | 2.176    | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 5061     | 2.044    | ug/L   | 95       |
| 22) 2-Butanone                | 4.716   | 43    | 4692     | 1.814    | ug/L # | 50       |
| 23) Bromochloromethane        | 4.973   | 128   | 2464     | 2.021    | ug/L # | 91       |
| 25) Chloroform                | 5.089   | 83    | 14324    | 3.182    | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.796   | 62    | 7945     | 2.209    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102021\  
 Data File : VU045343.D  
 Acq On : 20 Oct 2021 13:54  
 Operator : SY/MD  
 Sample : MDL03  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

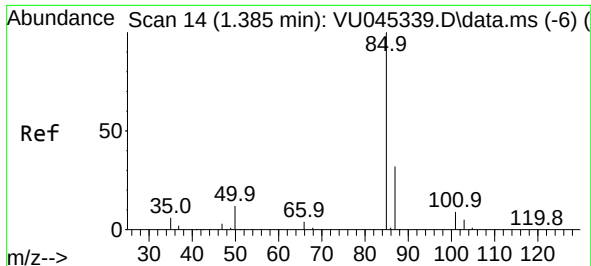
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 21 01:58:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 21 01:57:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 5.385  | 56   | 7202     | 1.936 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 7203     | 1.949 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 5374     | 1.883 | ug/L   | 99       |
| 33) Benzene                   | 5.774  | 78   | 20464    | 2.098 | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 4667     | 1.941 | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.761  | 83   | 7394     | 1.958 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 5719     | 2.156 | ug/L # | 93       |
| 38) Bromodichloromethane      | 7.108  | 83   | 6628     | 1.932 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 8098     | 2.039 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 17722    | 4.381 | ug/L   | 99       |
| 42) Toluene                   | 7.970  | 91   | 23887    | 2.348 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 10282    | 2.708 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 6002     | 2.361 | ug/L   | 95       |
| 46) Tetrachloroethene         | 8.555  | 164  | 3500     | 2.101 | ug/L   | 85       |
| 48) 2-Hexanone                | 8.693  | 43   | 19639    | 5.751 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.819  | 129  | 5331     | 2.153 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 5718     | 2.185 | ug/L # | 93       |
| 51) Chlorobenzene             | 9.452  | 112  | 14151    | 2.196 | ug/L   | 99       |
| 52) Ethylbenzene              | 9.574  | 91   | 22221    | 2.013 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.700  | 106  | 8782     | 2.094 | ug/L   | 85       |
| 54) o-xylene                  | 10.105 | 106  | 8445     | 2.007 | ug/L   | 97       |
| 55) Styrene                   | 10.118 | 104  | 13382    | 1.879 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 11429    | 2.545 | ug/L # | 95       |
| 59) Bromoform                 | 10.298 | 173  | 3854     | 2.425 | ug/L # | 98       |
| 60) 1,2,3-Trichloropropane    | 10.828 | 75   | 8927     | 2.682 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.491 | 105  | 21133    | 2.135 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 16736    | 2.043 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 16846    | 2.032 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 9659     | 2.155 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 10135    | 2.229 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.217 | 146  | 10754    | 2.373 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 1878     | 2.026 | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 6089     | 1.974 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 4455     | 1.723 | ug/L   | 99       |
| 71) Naphthalene               | 14.092 | 128  | 13937    | 1.613 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 4707     | 1.822 | ug/L   | 99       |

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

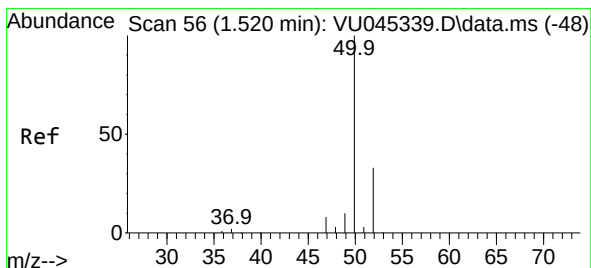
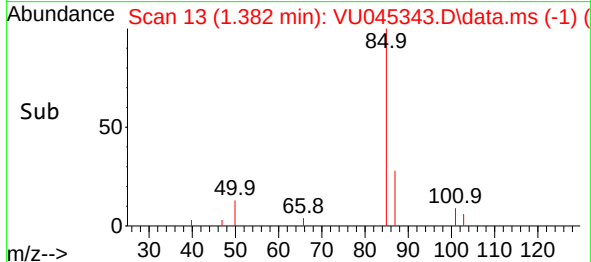
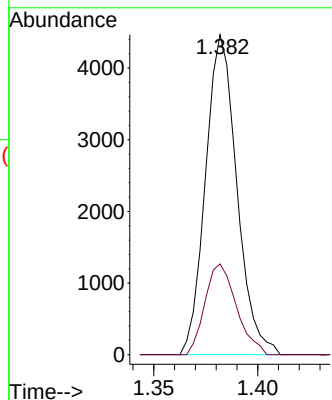
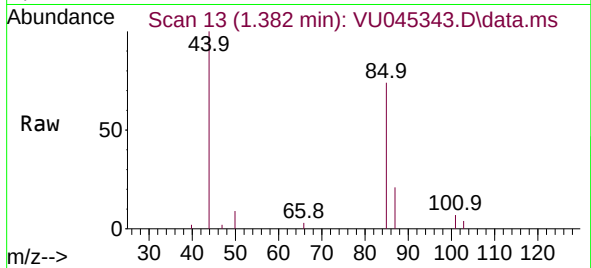




#2  
Dichlorodifluoromethane  
Concen: 2.072 ug/L  
RT: 1.382 min Scan# 13  
Delta R.T. -0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

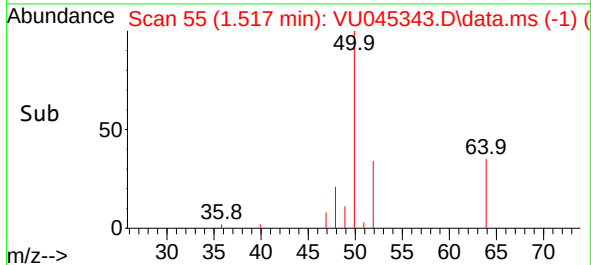
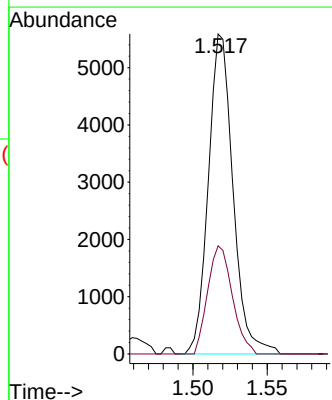
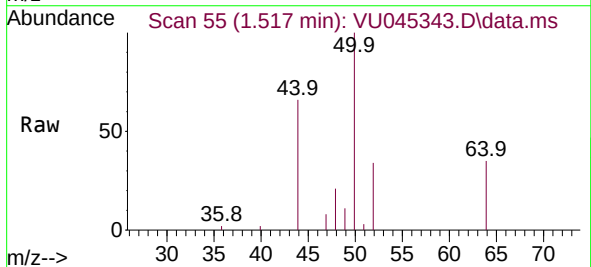
Instrument :  
MSVOA\_U  
ClientSampled :

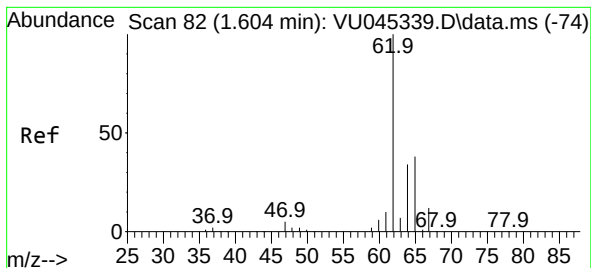
Tgt Ion: 85 Resp: 4680  
Ion Ratio Lower Upper  
85 100  
87 28.5 25.3 37.9



#3  
Chloromethane  
Concen: 2.524 ug/L  
RT: 1.517 min Scan# 55  
Delta R.T. -0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 50 Resp: 6452  
Ion Ratio Lower Upper  
50 100  
52 33.8 23.2 43.0





#5

Vinyl chloride

Concen: 1.970 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

Tgt Ion: 62 Resp: 5569

Ion Ratio Lower Upper

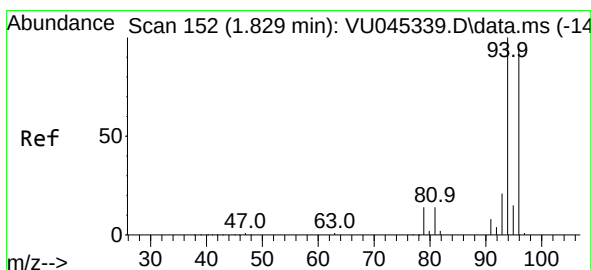
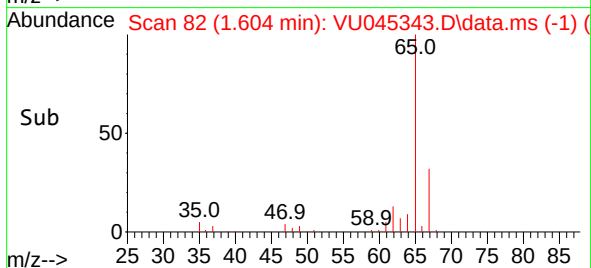
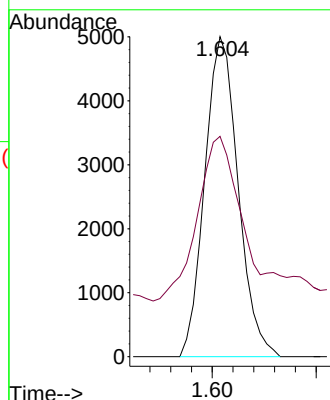
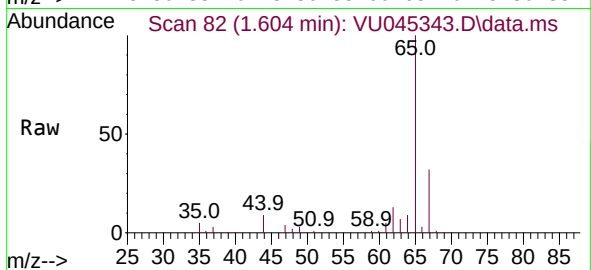
62 100

64 68.9 23.9 44.3#

Instrument :

MSVOA\_U

ClientSampled :



#6

Bromomethane

Concen: 1.190 ug/L

RT: 1.822 min Scan# 150

Delta R.T. -0.006 min

Lab File: VU045343.D

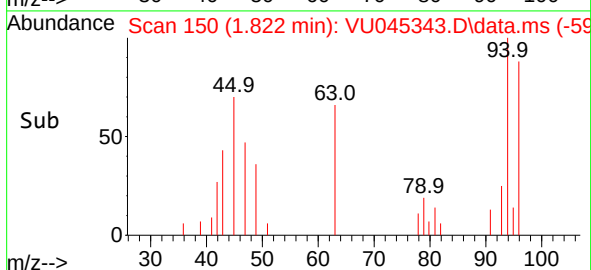
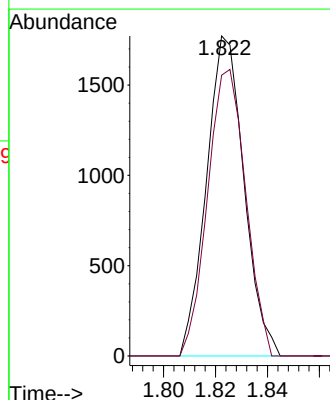
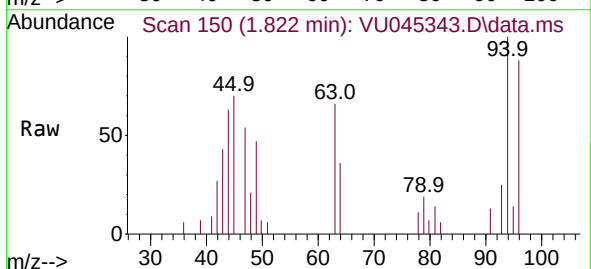
Acq: 20 Oct 2021 13:54

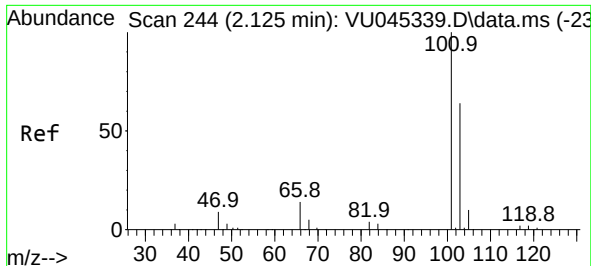
Tgt Ion: 94 Resp: 1780

Ion Ratio Lower Upper

94 100

96 87.8 64.1 119.1

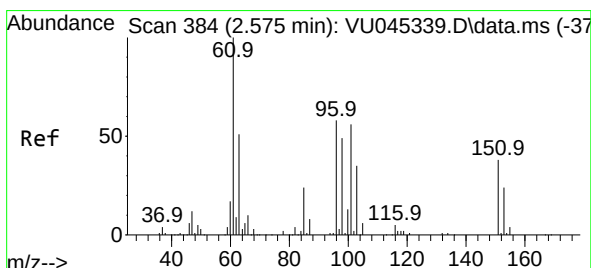
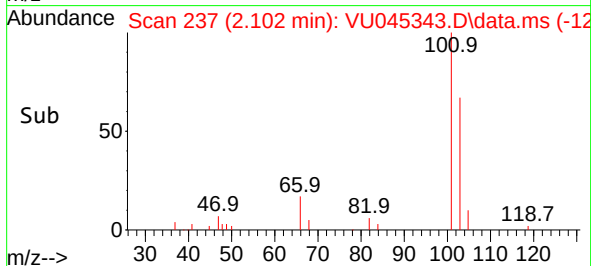
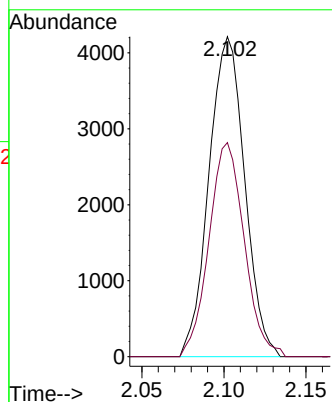
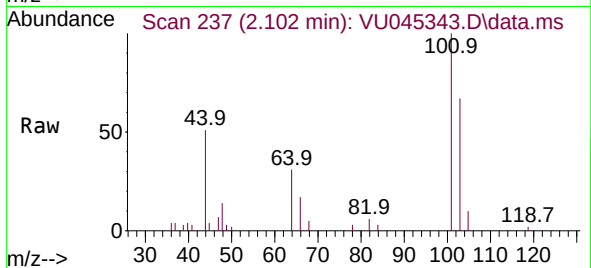




#9  
 Trichlorofluoromethane  
 Concen: 1.856 ug/L  
 RT: 2.102 min Scan# 237  
 Delta R.T. -0.023 min  
 Lab File: VU045343.D  
 Acq: 20 Oct 2021 13:54

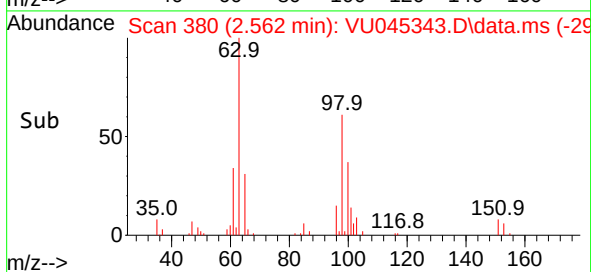
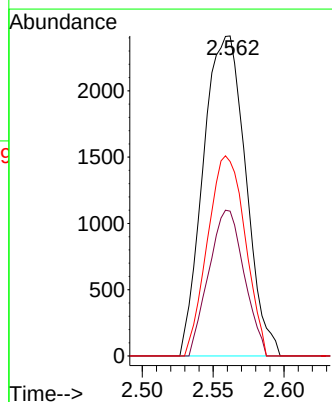
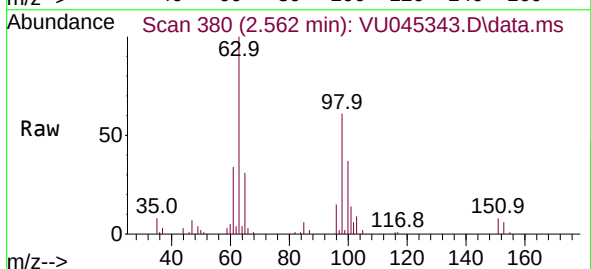
Instrument :  
 MSVOA\_U  
 ClientSampled :

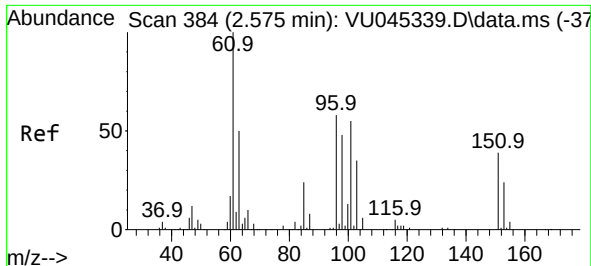
Tgt Ion:101 Resp: 6383  
 Ion Ratio Lower Upper  
 101 100  
 103 66.0 50.8 76.2



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.296 ug/L  
 RT: 2.562 min Scan# 380  
 Delta R.T. -0.013 min  
 Lab File: VU045343.D  
 Acq: 20 Oct 2021 13:54

Tgt Ion:101 Resp: 5018  
 Ion Ratio Lower Upper  
 101 100  
 85 38.0 35.2 52.8  
 151 55.6 53.9 80.9





#12

1,1-Dichloroethene

Concen: 2.172 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

Tgt Ion: 96 Resp: 4376

Ion Ratio Lower Upper

96 100

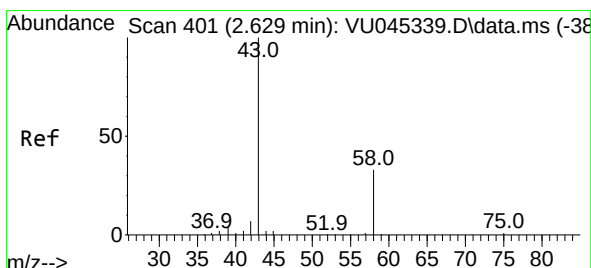
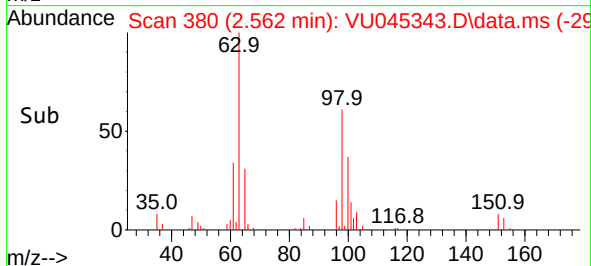
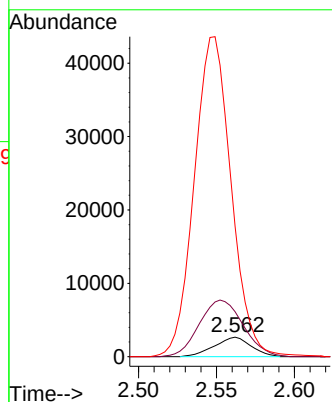
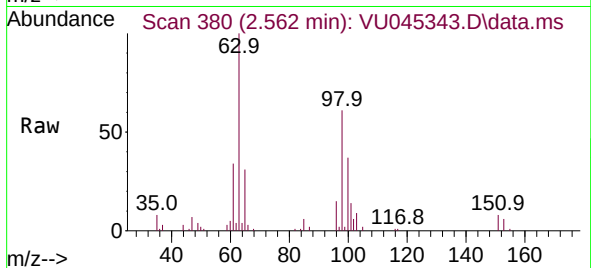
61 231.1 122.9 228.3#

63 670.3 65.3 121.3#

Instrument :

MSVOA\_U

ClientSampleId :



#13

Acetone

Concen: 3.473 ug/L

RT: 2.639 min Scan# 404

Delta R.T. 0.010 min

Lab File: VU045343.D

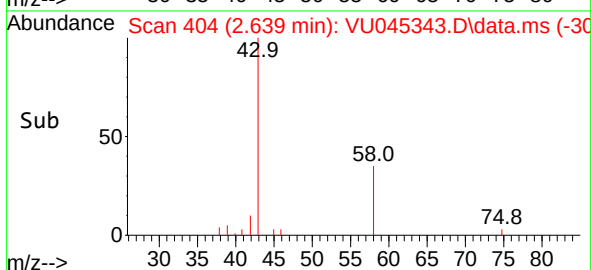
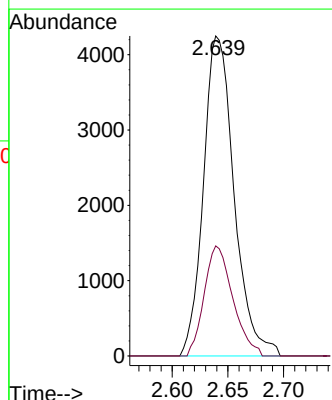
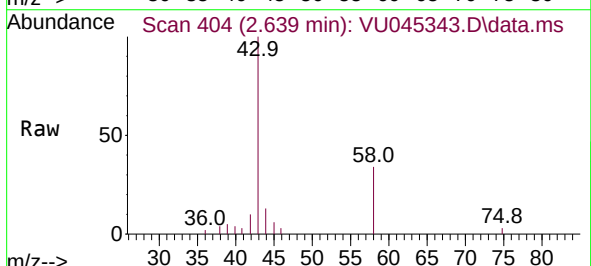
Acq: 20 Oct 2021 13:54

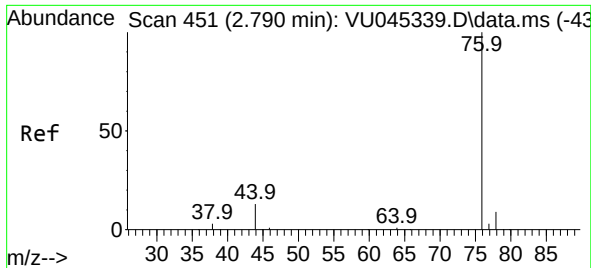
Tgt Ion: 43 Resp: 8145

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.8

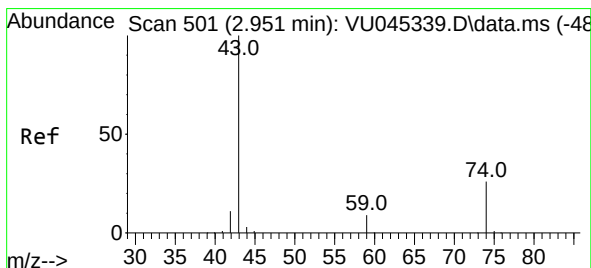
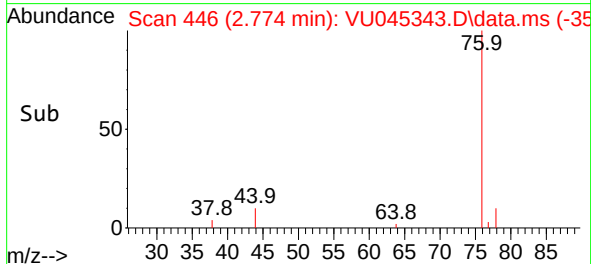
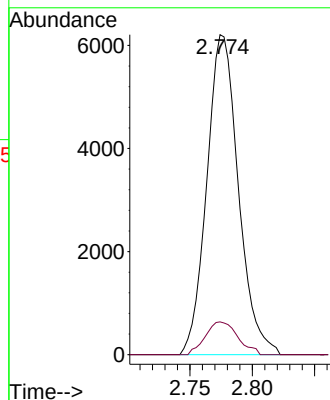
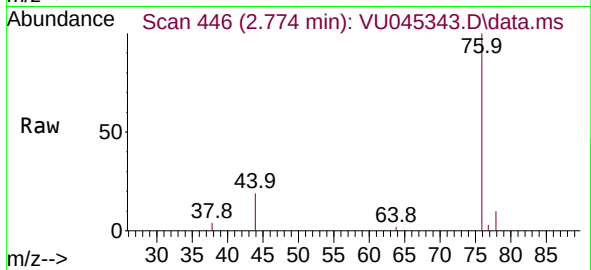




#14  
Carbon disulfide  
Concen: 1.979 ug/L  
RT: 2.774 min Scan# 446  
Delta R.T. -0.016 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

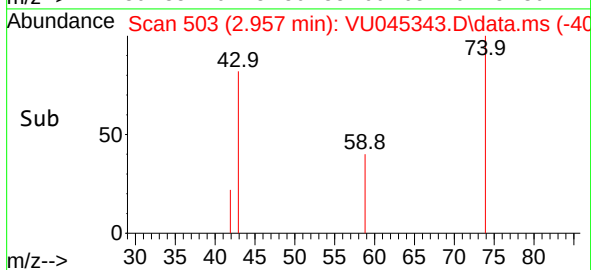
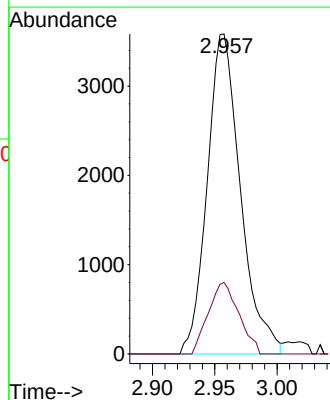
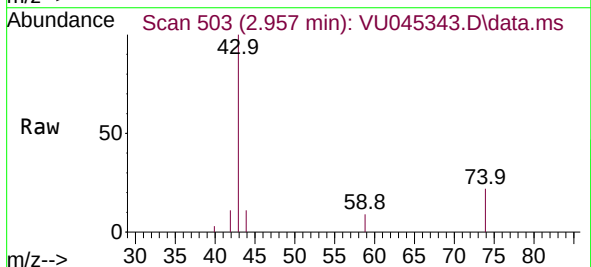
Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 76 Resp: 10958  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.4 11.0

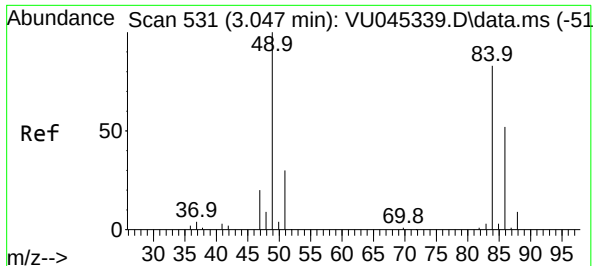


#15  
Methyl Acetate  
Concen: 2.286 ug/L  
RT: 2.957 min Scan# 503  
Delta R.T. 0.006 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 43 Resp: 6648  
Ion Ratio Lower Upper  
43 100  
74 20.5 20.5 30.7



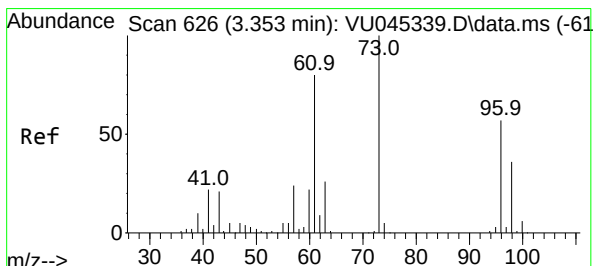
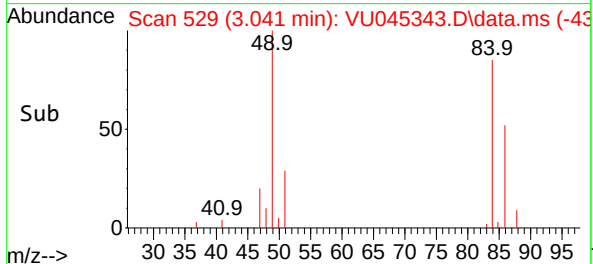
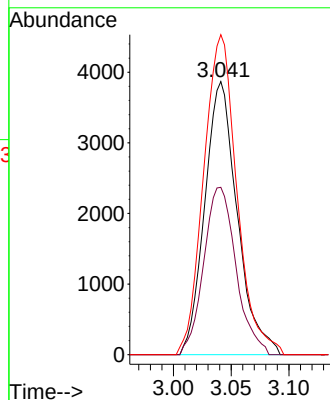
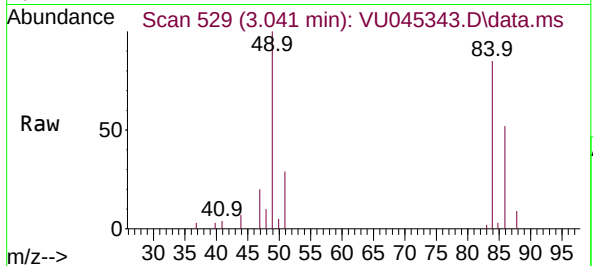




#16  
Methylene chloride  
Concen: 2.921 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. -0.006 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

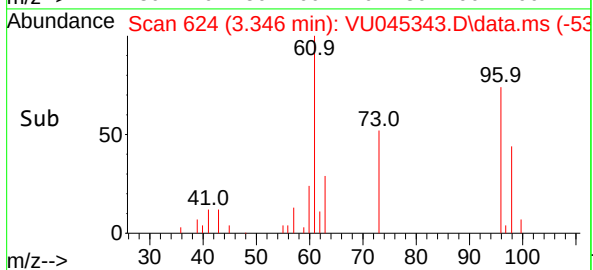
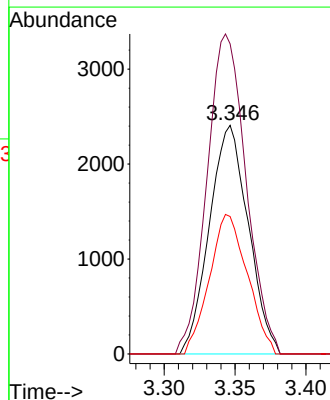
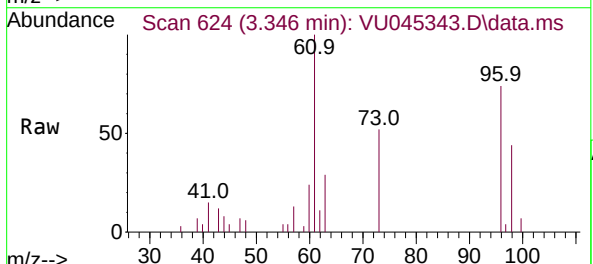
Instrument :  
MSVOA\_U  
ClientSampleId :

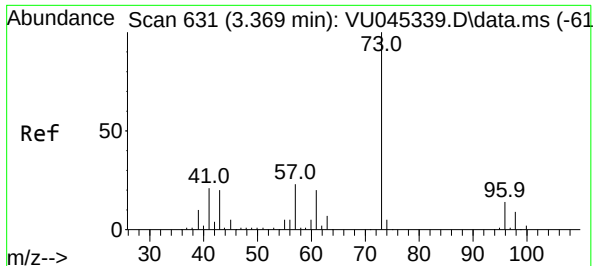
Tgt Ion: 84 Resp: 7579  
Ion Ratio Lower Upper  
84 100  
86 61.3 44.1 81.9  
49 117.2 84.2 156.4



#17  
trans-1,2-Dichloroethene  
Concen: 2.130 ug/L  
RT: 3.346 min Scan# 624  
Delta R.T. -0.006 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 96 Resp: 4604  
Ion Ratio Lower Upper  
96 100  
61 135.6 104.7 194.4  
98 60.1 45.8 85.2



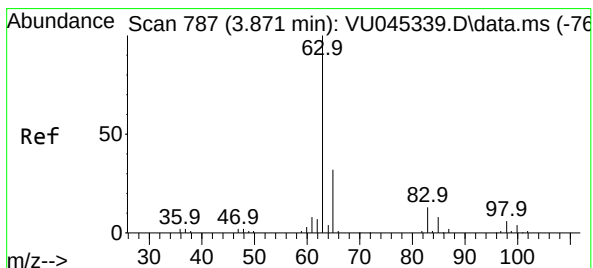
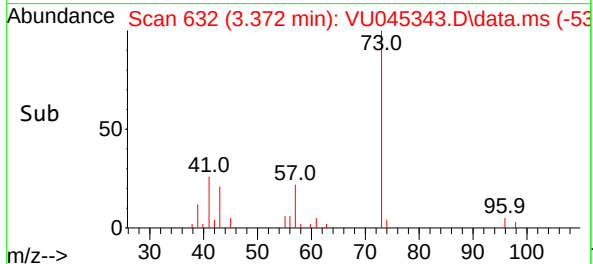
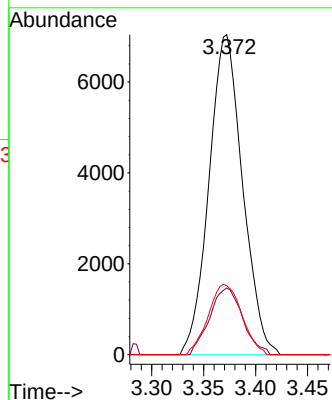
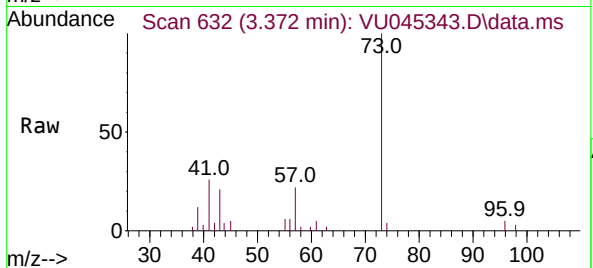


#18

Methyl tert-butyl Ether  
 Concen: 2.098 ug/L  
 RT: 3.372 min Scan# 632  
 Delta R.T. 0.003 min  
 Lab File: VU045343.D  
 Acq: 20 Oct 2021 13:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :

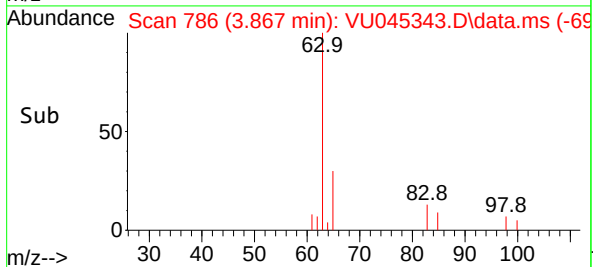
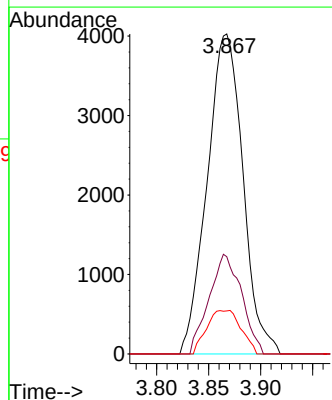
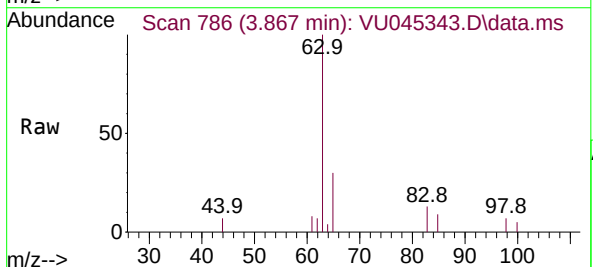
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 15813 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 20.6     | 16.2 24.4   |
| 57 22.0     | 17.9 26.9   |

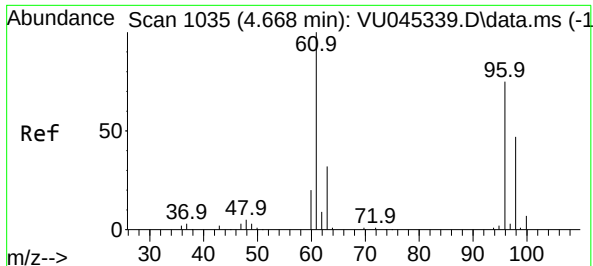


#19

1,1-Dichloroethane  
 Concen: 2.176 ug/L  
 RT: 3.867 min Scan# 786  
 Delta R.T. -0.003 min  
 Lab File: VU045343.D  
 Acq: 20 Oct 2021 13:54

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 9626  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 30.4     | 22.5 41.9   |
| 83 13.4     | 8.9 16.5    |





#20

cis-1,2-Dichloroethene

Concen: 2.044 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

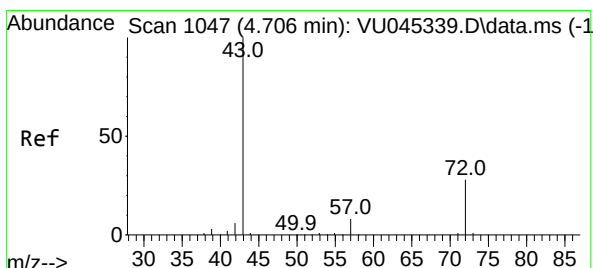
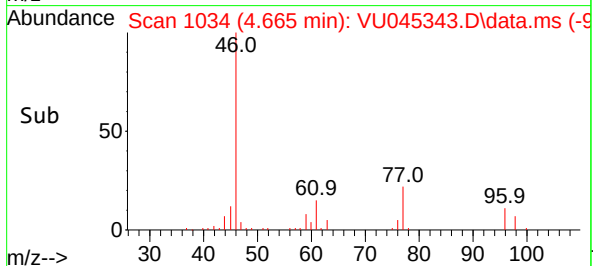
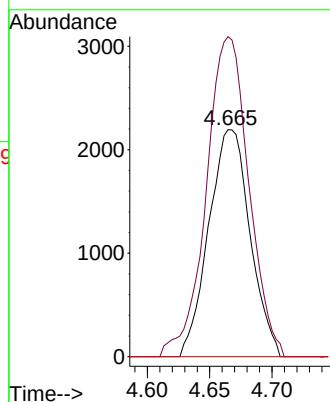
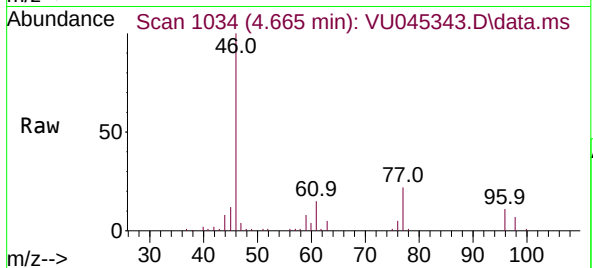
Tgt Ion: 96 Resp: 5061

Ion Ratio Lower Upper

96 100

61 141.0 94.2 175.0

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 1.814 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.010 min

Lab File: VU045343.D

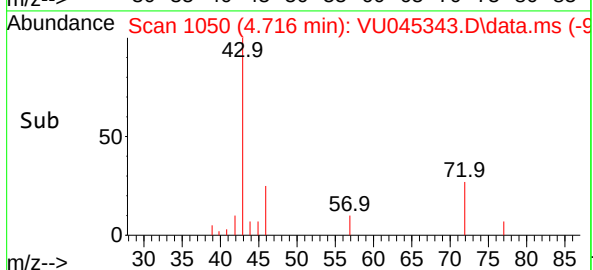
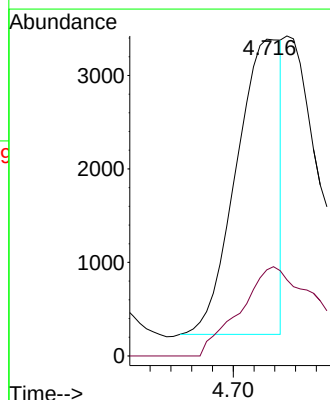
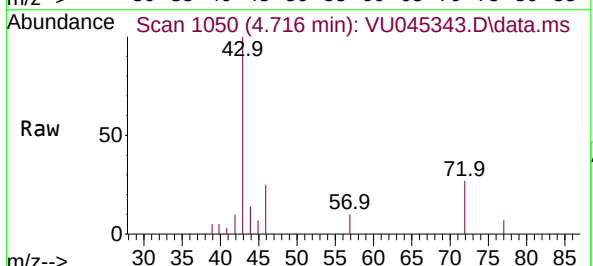
Acq: 20 Oct 2021 13:54

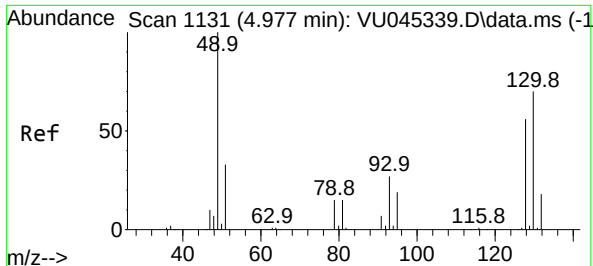
Tgt Ion: 43 Resp: 4692

Ion Ratio Lower Upper

43 100

72 54.3 14.1 42.2#





#23

Bromochloromethane

Concen: 2.021 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

Tgt Ion:128 Resp: 2464

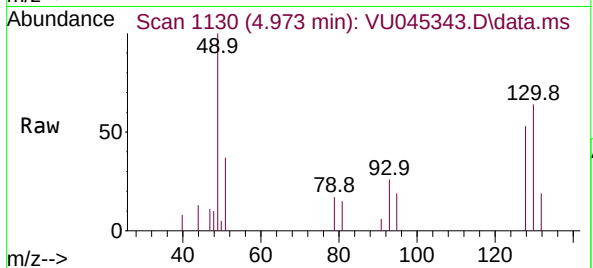
Ion Ratio Lower Upper

128 100

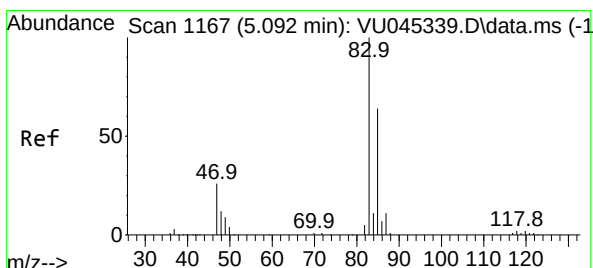
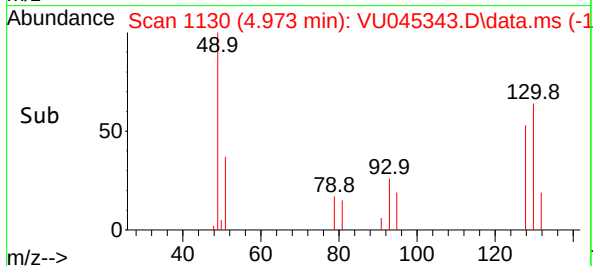
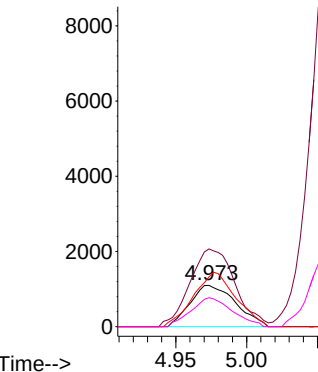
49 188.2 123.8 229.8

130 120.7 89.8 166.8

51 70.1 44.2 66.2#



Abundance



#25

Chloroform

Concen: 3.182 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU045343.D

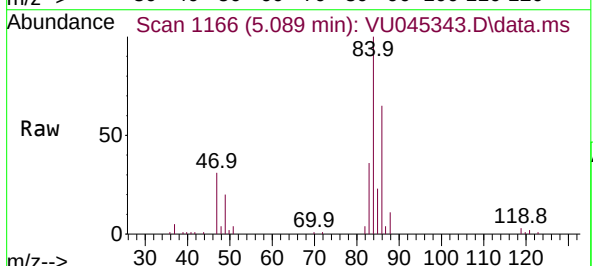
Acq: 20 Oct 2021 13:54

Tgt Ion: 83 Resp: 14324

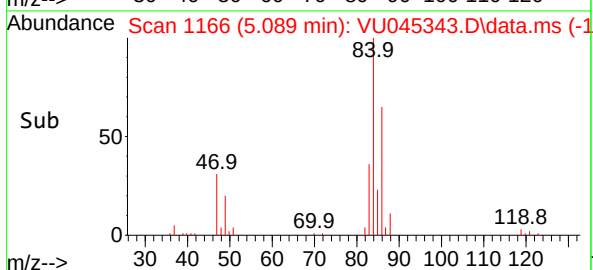
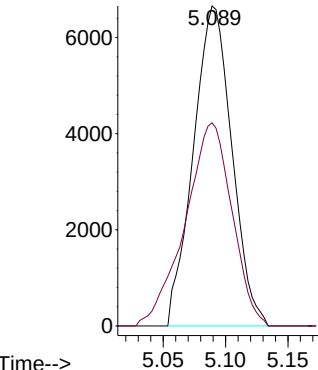
Ion Ratio Lower Upper

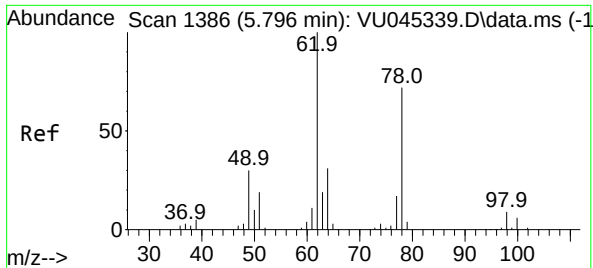
83 100

85 63.5 45.4 84.2



Abundance





#27

1,2-Dichloroethane

Concen: 2.209 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU045343.D

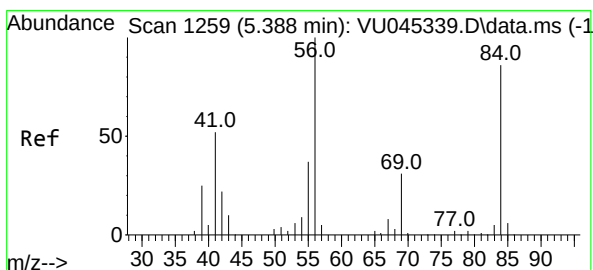
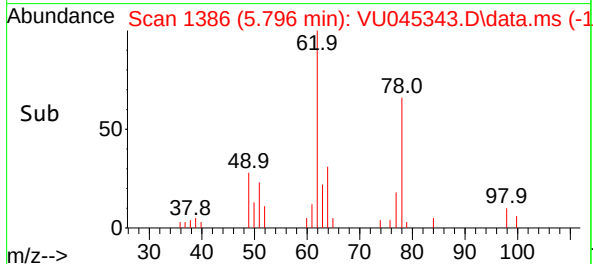
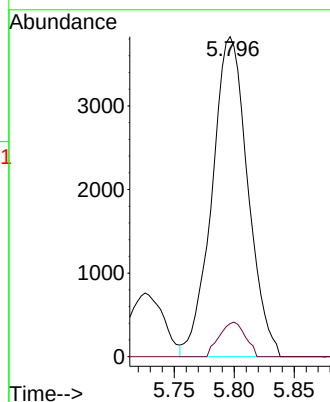
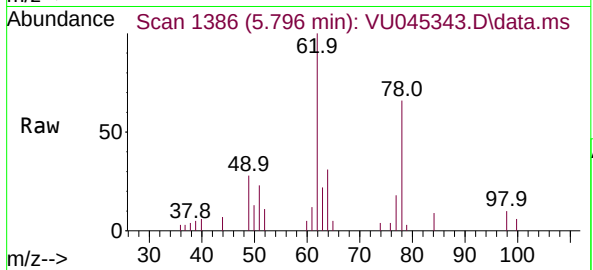
Acq: 20 Oct 2021 13:54

Tgt Ion: 62 Resp: 7945

Ion Ratio Lower Upper

62 100

98 10.3 7.4 11.2



#29

Cyclohexane

Concen: 1.936 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

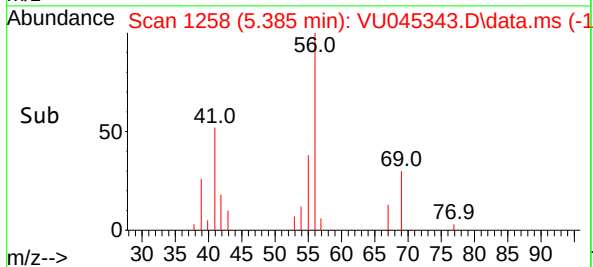
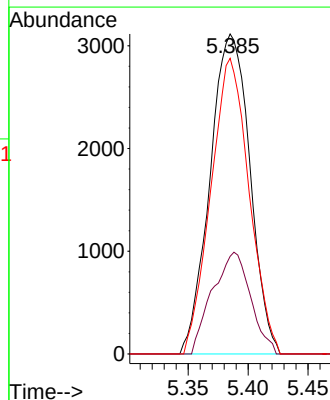
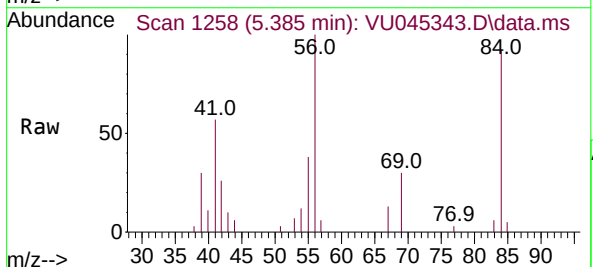
Tgt Ion: 56 Resp: 7202

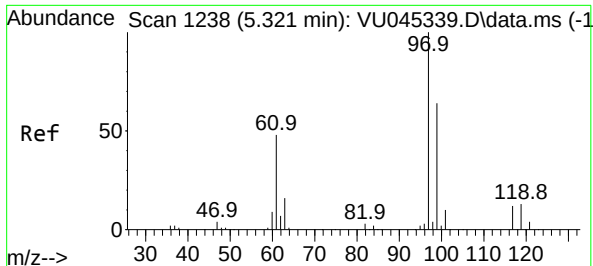
Ion Ratio Lower Upper

56 100

69 30.5 24.8 37.2

84 88.6 70.3 105.5



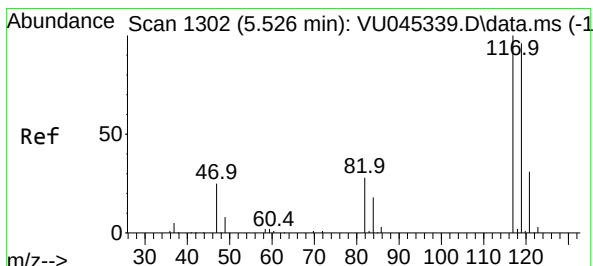
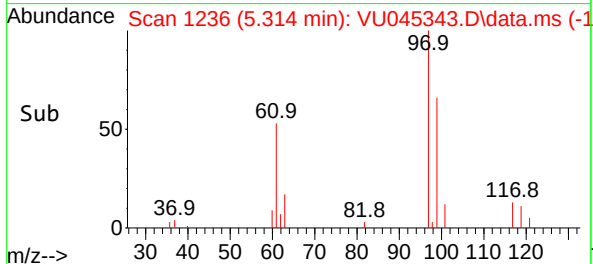
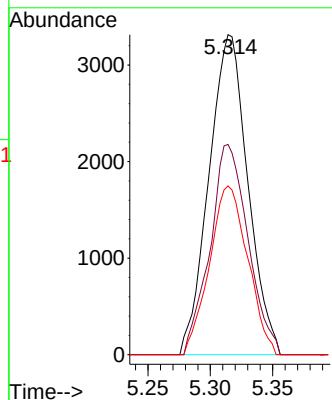
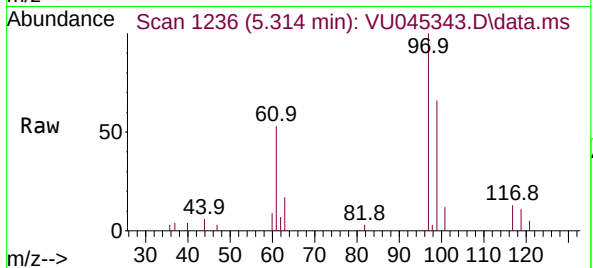


#30

1,1,1-Trichloroethane  
Concen: 1.949 ug/L  
RT: 5.314 min Scan# 1236  
Delta R.T. -0.006 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Instrument :  
MSVOA\_U  
ClientSampled :

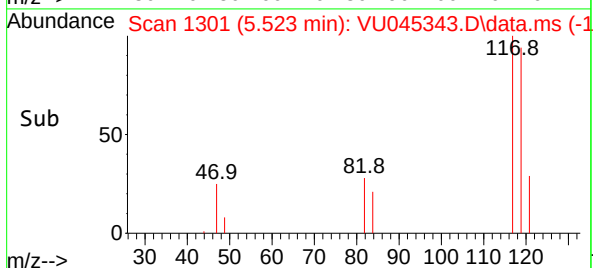
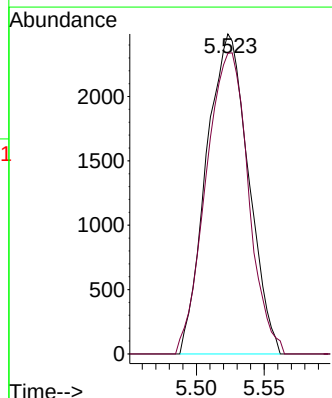
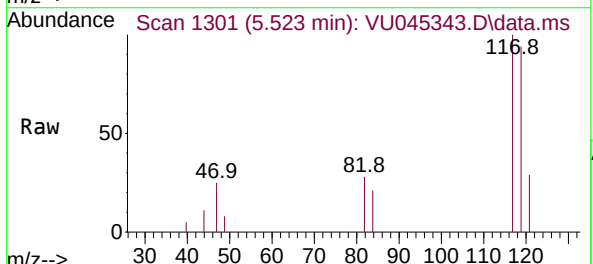
Tgt Ion: 97 Resp: 7203  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.5 77.3  
61 51.9 39.2 58.8

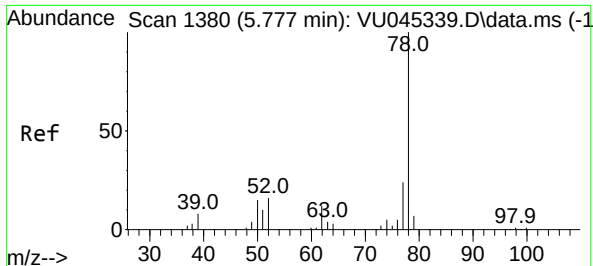


#31

Carbon tetrachloride  
Concen: 1.883 ug/L  
RT: 5.523 min Scan# 1301  
Delta R.T. -0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 117 Resp: 5374  
Ion Ratio Lower Upper  
117 100  
119 94.7 76.7 115.1





#33

Benzene

Concen: 2.098 ug/L

RT: 5.774 min Scan# 1379

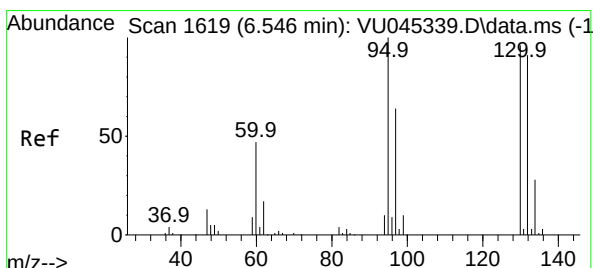
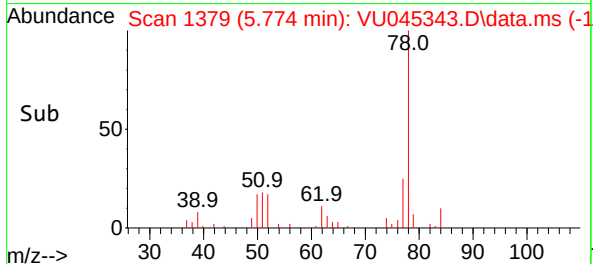
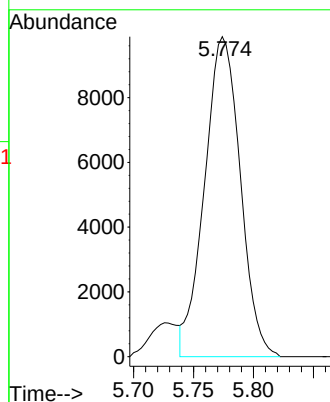
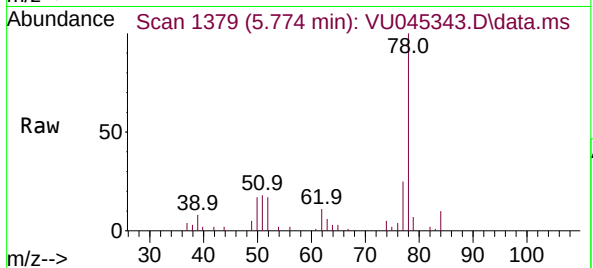
Delta R.T. -0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

Tgt Ion: 78 Resp: 20464

Instrument :  
MSVOA\_U  
ClientSampled :



#34

Trichloroethene

Concen: 1.941 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

Tgt Ion: 95 Resp: 4667

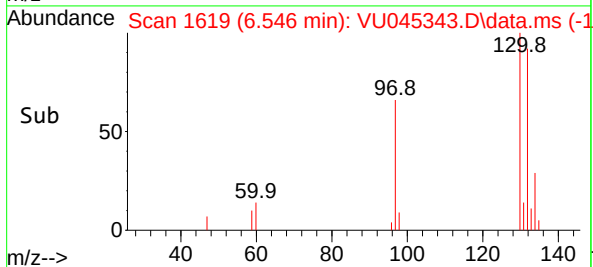
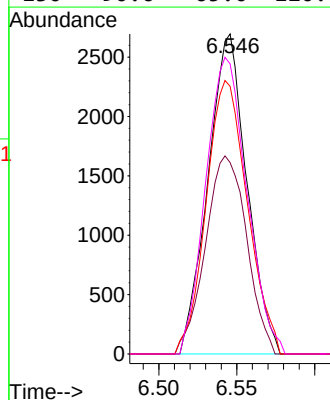
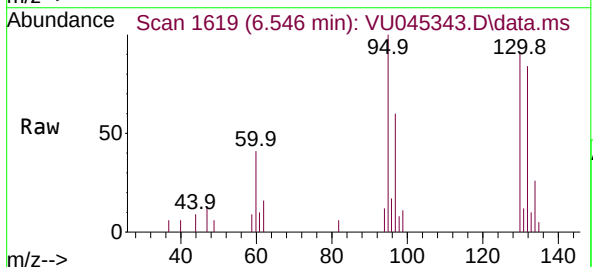
Ion Ratio Lower Upper

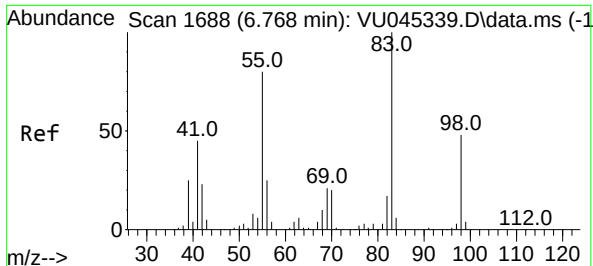
95 100

97 59.8 44.9 83.3

132 83.6 63.0 117.0

130 90.6 65.0 120.8





#35

Methylcyclohexane

Concen: 1.958 ug/L

RT: 6.761 min Scan# 1686

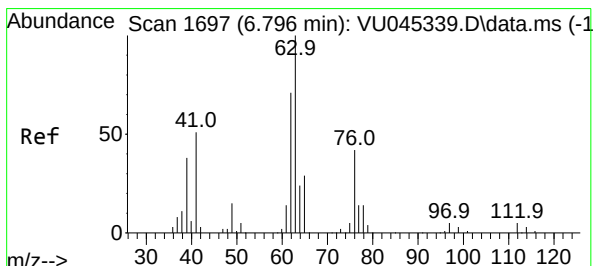
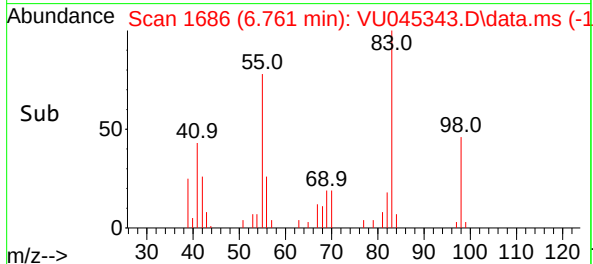
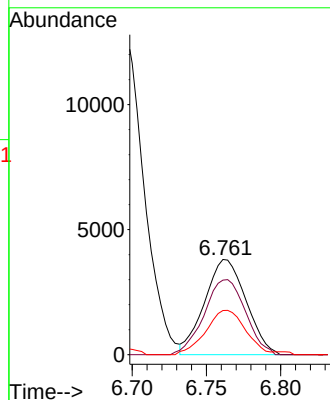
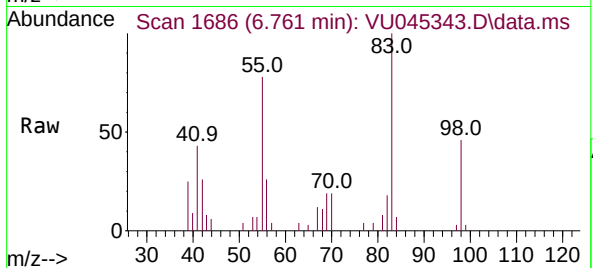
Delta R.T. -0.006 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

Tgt Ion: 83 Resp: 7394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 78.4  | 63.4  | 95.0  |
| 98  | 44.5  | 37.9  | 56.9  |



#37

1,2-Dichloropropane

Concen: 2.156 ug/L

RT: 6.793 min Scan# 1696

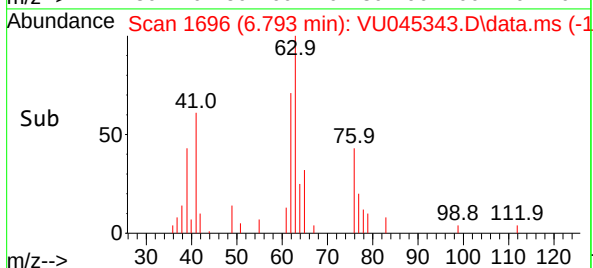
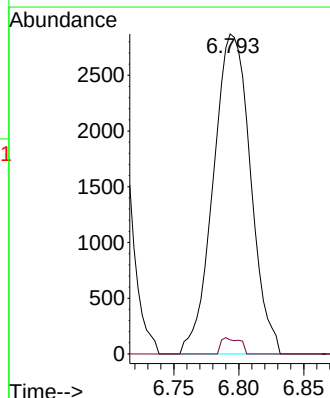
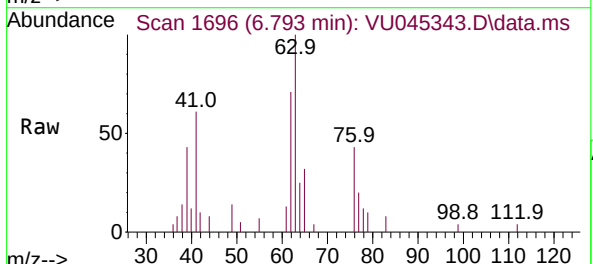
Delta R.T. -0.003 min

Lab File: VU045343.D

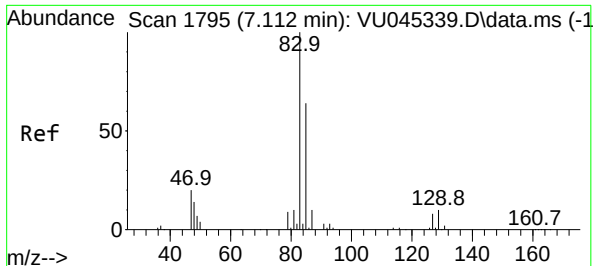
Acq: 20 Oct 2021 13:54

Tgt Ion: 63 Resp: 5719

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 1.7   | 3.3   | 4.9#  |







#38

Bromodichloromethane

Concen: 1.932 ug/L

RT: 7.108 min Scan# 1794

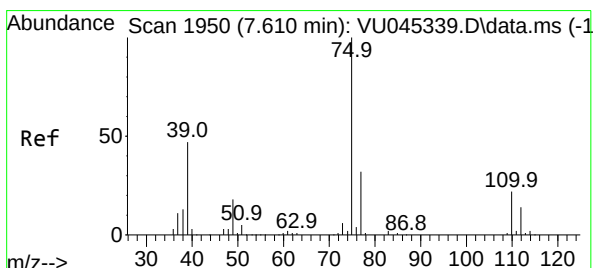
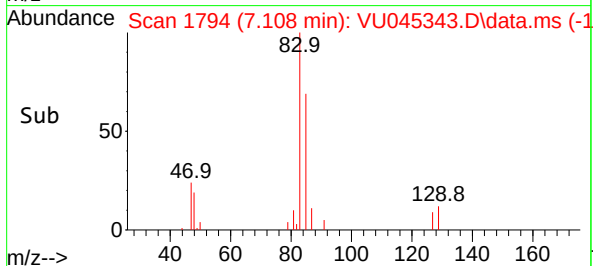
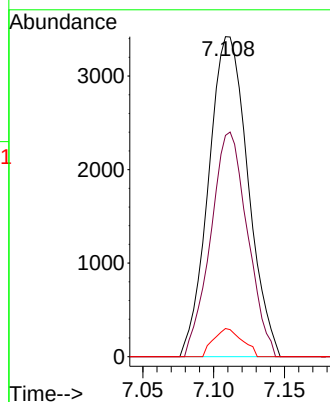
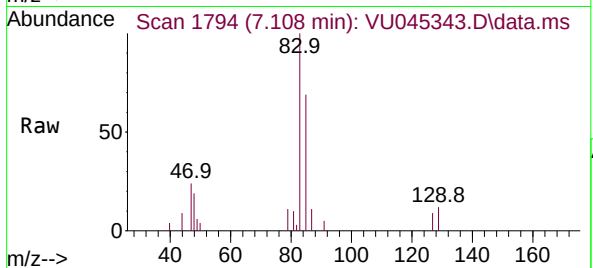
Delta R.T. -0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 6628  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 69.2  | 45.5  | 84.5  |
| 127      | 8.8   | 6.3   | 9.5   |

Instrument :  
MSVOA\_U  
ClientSampled :



#39

cis-1,3-Dichloropropene

Concen: 2.039 ug/L

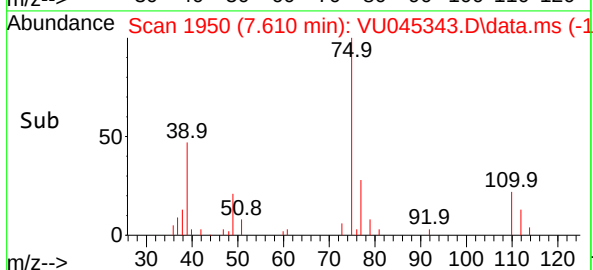
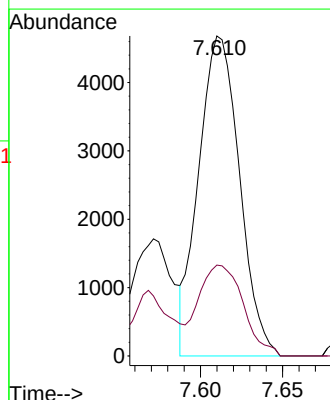
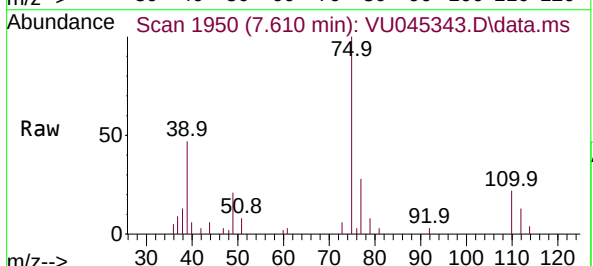
RT: 7.610 min Scan# 1950

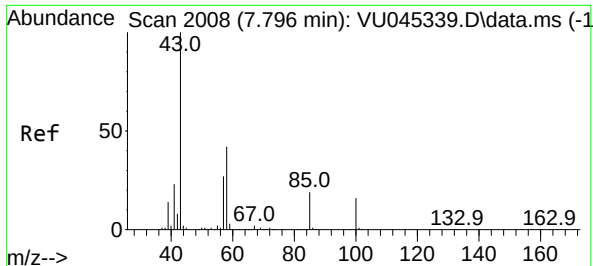
Delta R.T. -0.000 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8098  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 28.4  | 21.6  | 40.0  |





#40

4-Methyl-2-pentanone

Concen: 4.381 ug/L

RT: 7.803 min Scan# 2010

Delta R.T. 0.006 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

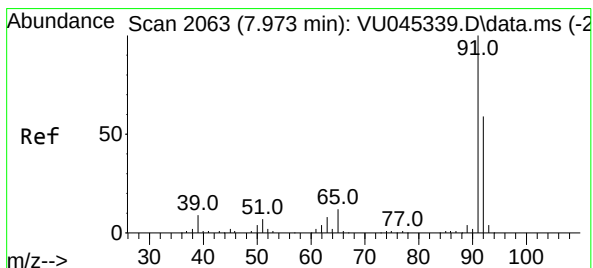
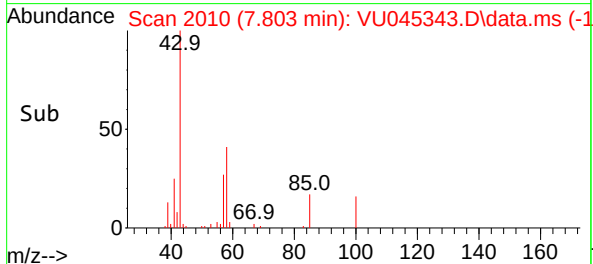
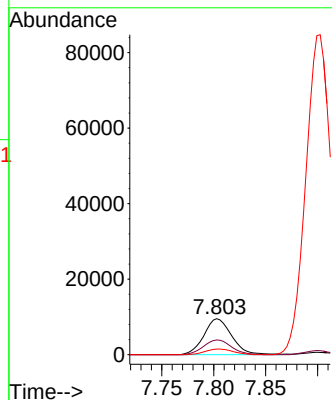
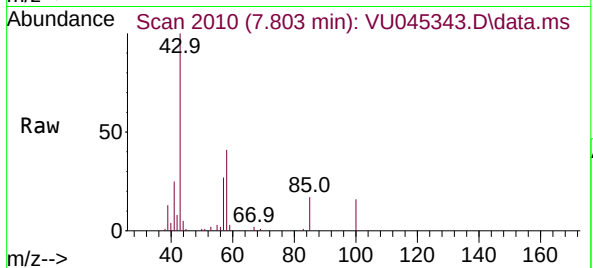
Tgt Ion: 43 Resp: 17722

Ion Ratio Lower Upper

43 100

58 41.2 33.7 50.5

100 15.6 13.0 19.4



#42

Toluene

Concen: 2.348 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU045343.D

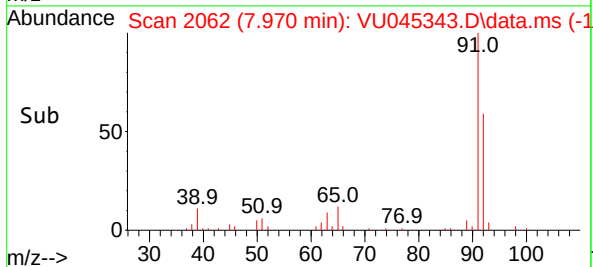
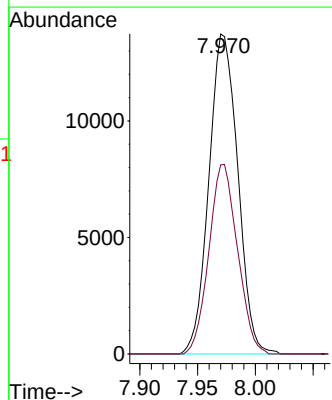
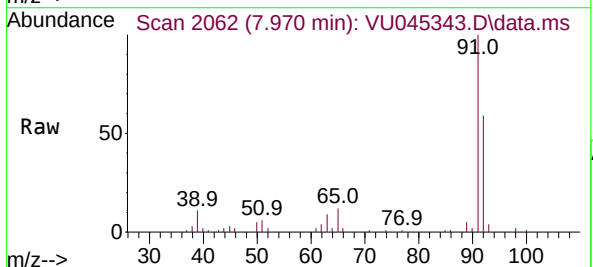
Acq: 20 Oct 2021 13:54

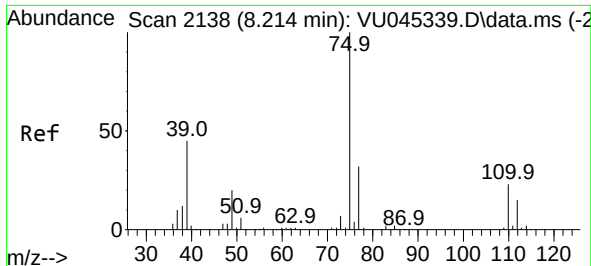
Tgt Ion: 91 Resp: 23887

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.6

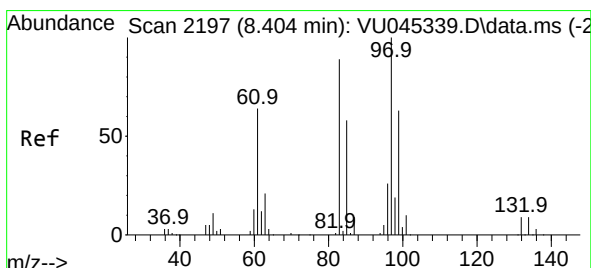
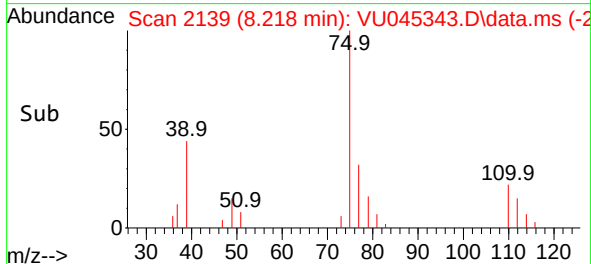
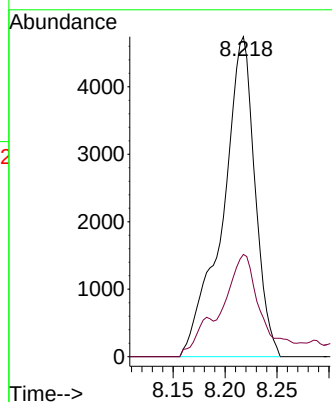
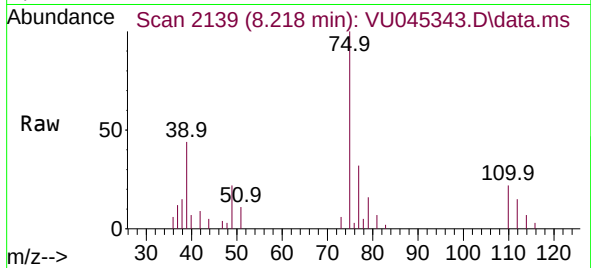




#44  
trans-1,3-Dichloropropene  
Concen: 2.708 ug/L  
RT: 8.218 min Scan# 2139  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

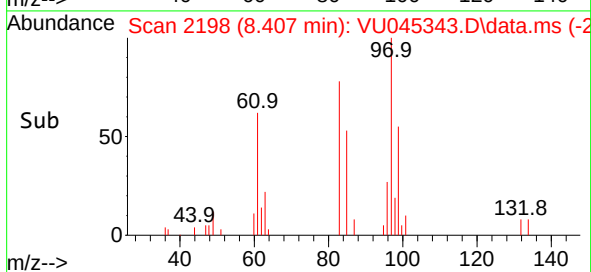
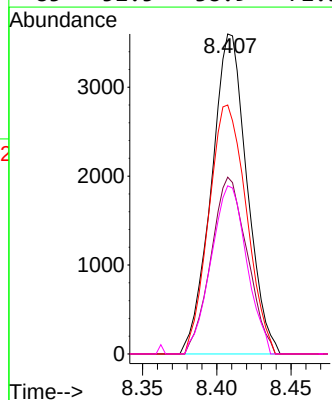
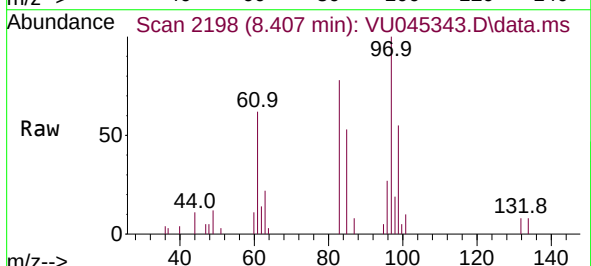
Instrument :  
MSVOA\_U  
ClientSampled :

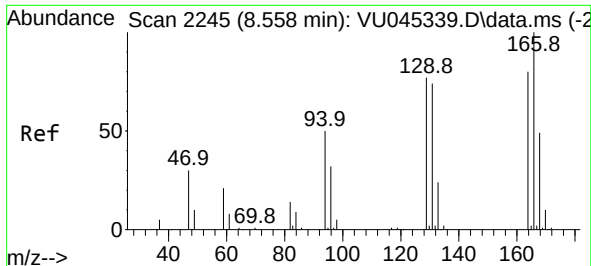
Tgt Ion: 75 Resp: 10282  
Ion Ratio Lower Upper  
75 100  
77 31.9 22.5 41.9



#45  
1,1,2-Trichloroethane  
Concen: 2.361 ug/L  
RT: 8.407 min Scan# 2198  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 97 Resp: 6002  
Ion Ratio Lower Upper  
97 100  
99 60.1 43.0 80.0  
83 77.8 60.1 111.5  
85 52.5 38.9 72.3

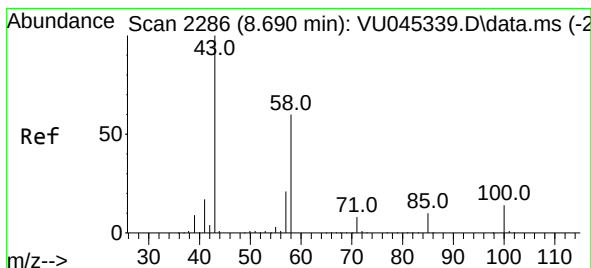
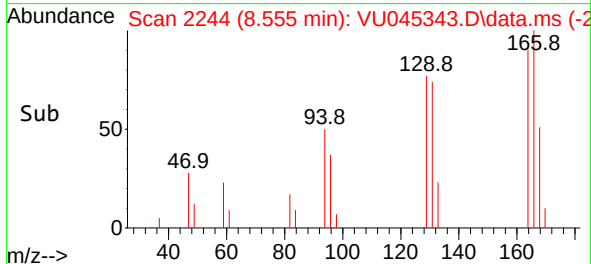
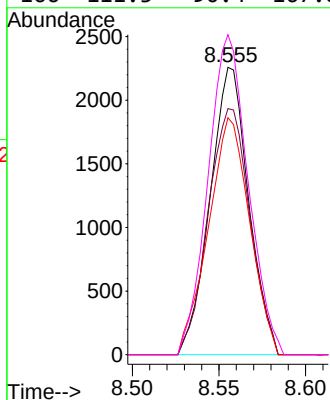
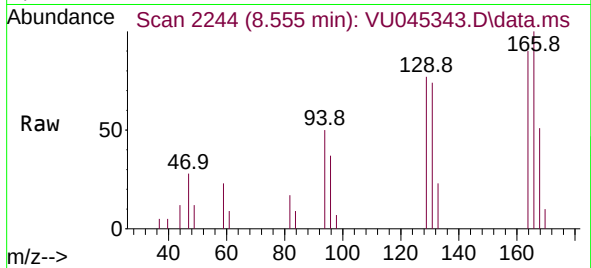




#46  
Tetrachloroethene  
Concen: 2.101 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

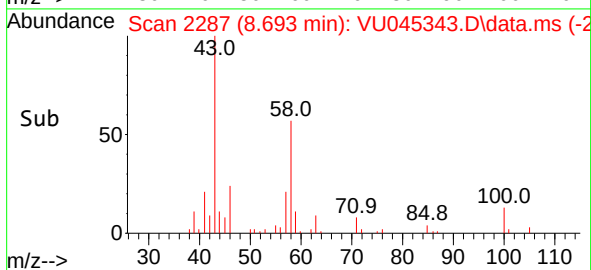
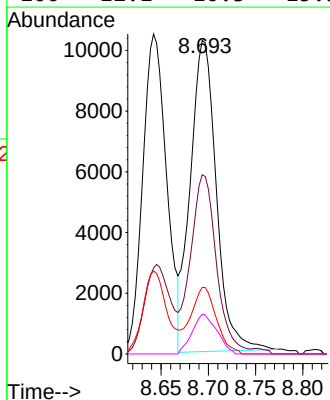
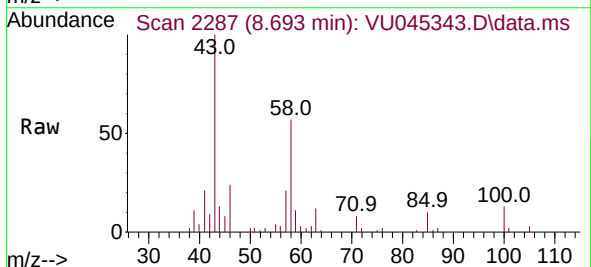
Instrument :  
MSVOA\_U  
ClientSampleId :

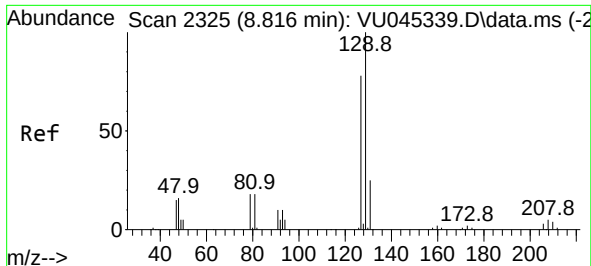
Tgt Ion:164 Resp: 3500  
Ion Ratio Lower Upper  
164 100  
129 85.6 69.6 129.2  
131 82.5 67.5 125.4  
166 111.3 90.4 167.8



#48  
2-Hexanone  
Concen: 5.751 ug/L  
RT: 8.693 min Scan# 2287  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 43 Resp: 19639  
Ion Ratio Lower Upper  
43 100  
58 54.6 45.4 68.0  
57 20.8 16.0 24.0  
100 12.1 10.3 15.5





#49

Dibromochloromethane

Concen: 2.153 ug/L

RT: 8.819 min Scan# 2326

Delta R.T. 0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

Tgt Ion:129 Resp: 5331

Ion Ratio Lower Upper

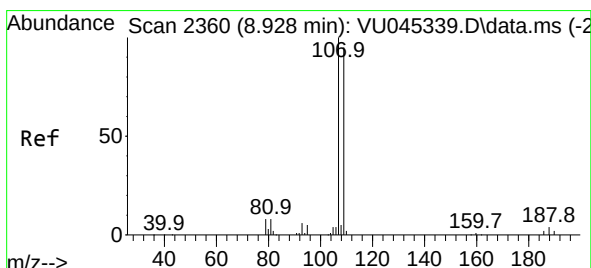
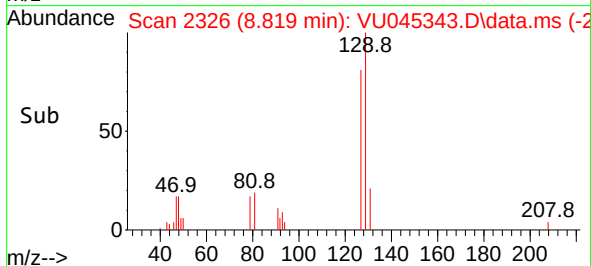
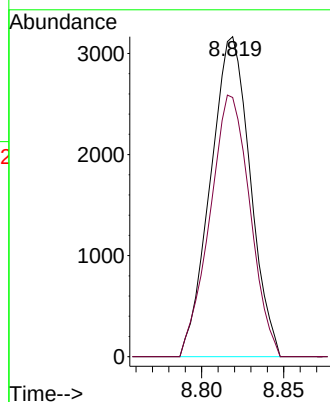
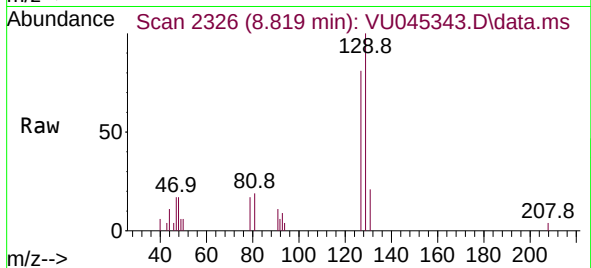
129 100

127 81.0 55.3 102.7

Instrument :

MSVOA\_U

ClientSampled :



#50

1,2-Dibromoethane

Concen: 2.185 ug/L

RT: 8.931 min Scan# 2361

Delta R.T. 0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

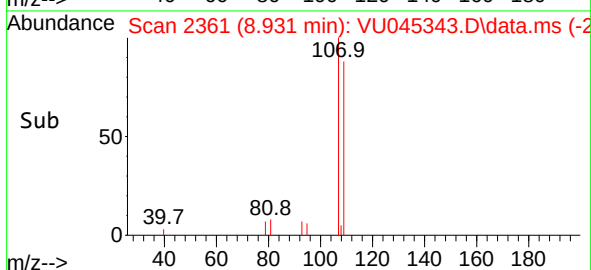
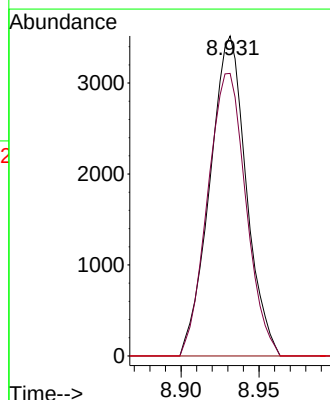
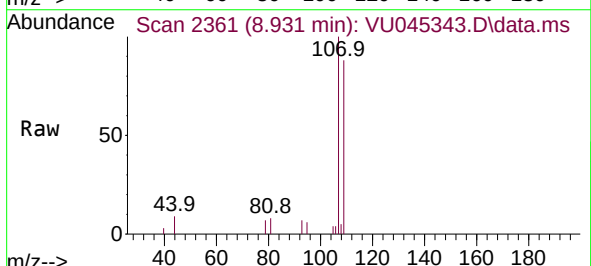
Tgt Ion:107 Resp: 5718

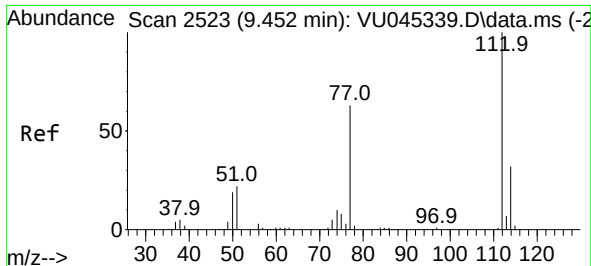
Ion Ratio Lower Upper

107 100

109 88.3 66.6 123.6

188 0.0 2.6 4.0#

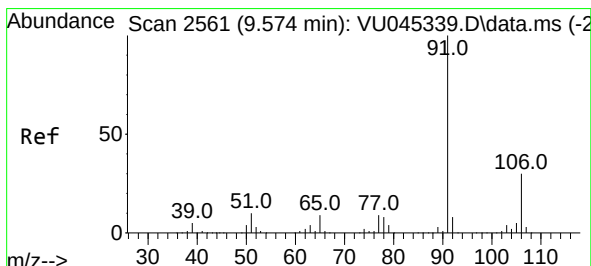
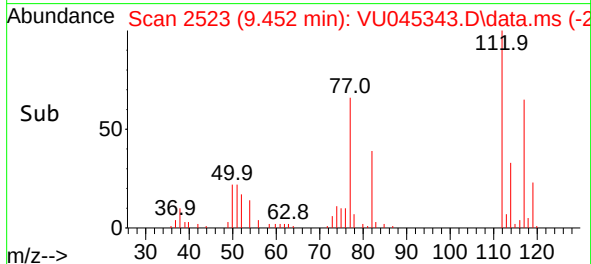
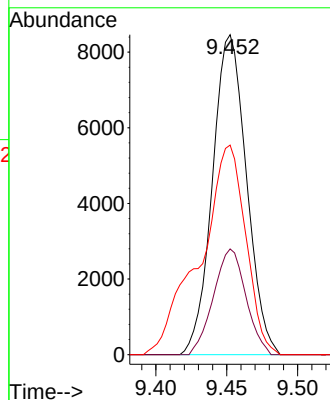
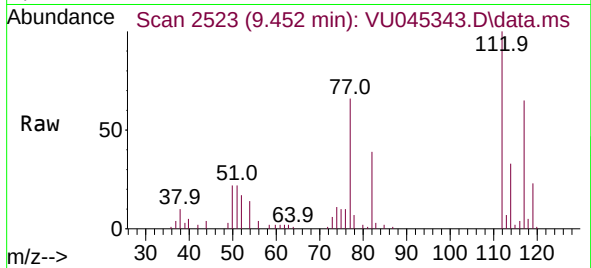




#51  
Chlorobenzene  
Concen: 2.196 ug/L  
RT: 9.452 min Scan# 2523  
Delta R.T. 0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

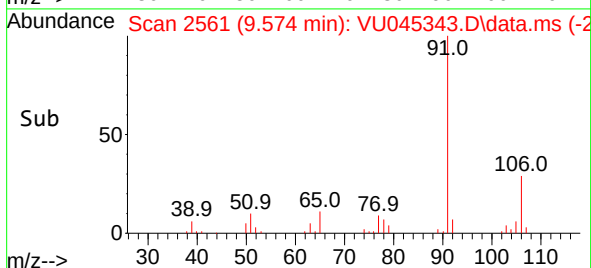
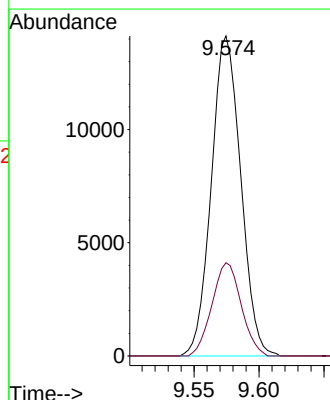
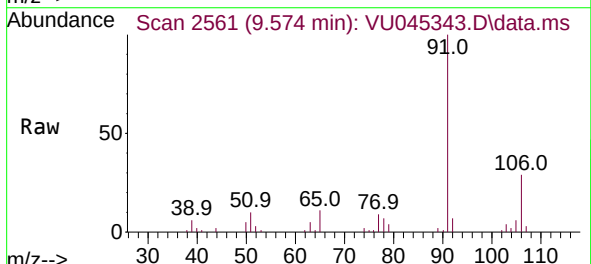
Instrument :  
MSVOA\_U  
ClientSampleId :

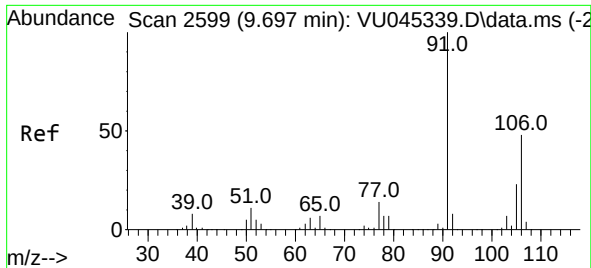
Tgt Ion:112 Resp: 14151  
Ion Ratio Lower Upper  
112 100  
114 33.1 22.8 42.4  
77 65.5 51.3 76.9



#52  
Ethylbenzene  
Concen: 2.013 ug/L  
RT: 9.574 min Scan# 2561  
Delta R.T. 0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 91 Resp: 22221  
Ion Ratio Lower Upper  
91 100  
106 29.1 21.1 39.3

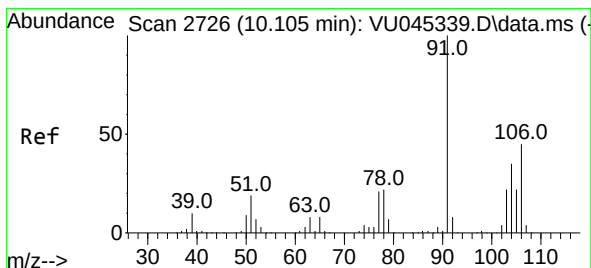
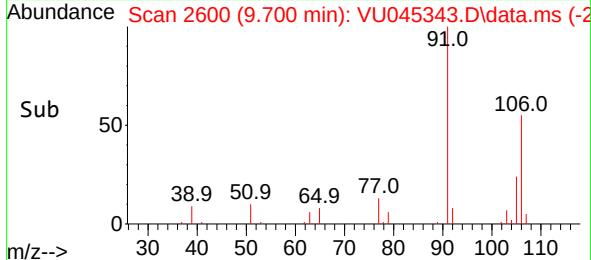
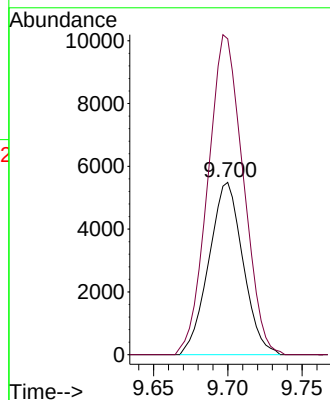
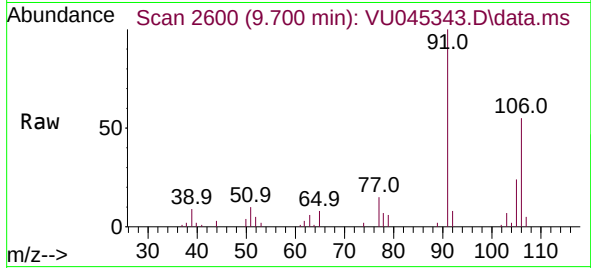




#53  
m,p-Xylene  
Concen: 2.094 ug/L  
RT: 9.700 min Scan# 2600  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

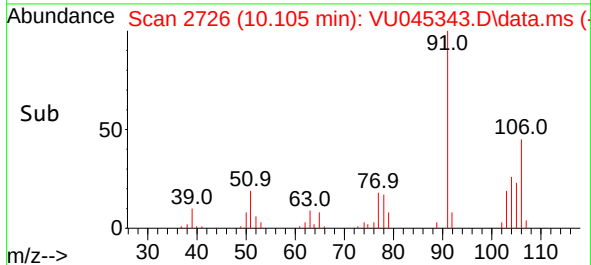
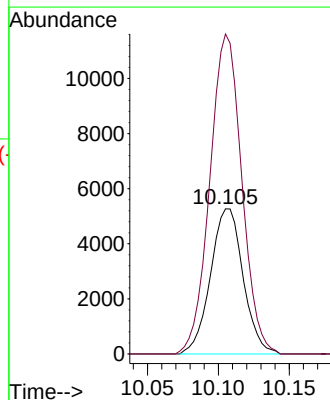
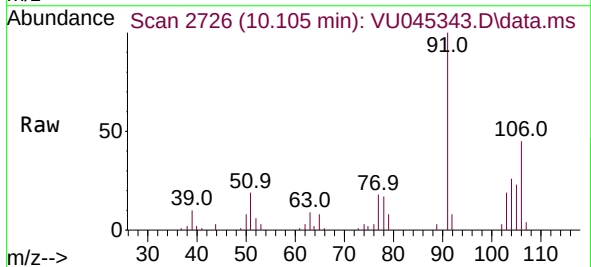
Instrument :  
MSVOA\_U  
ClientSampled :

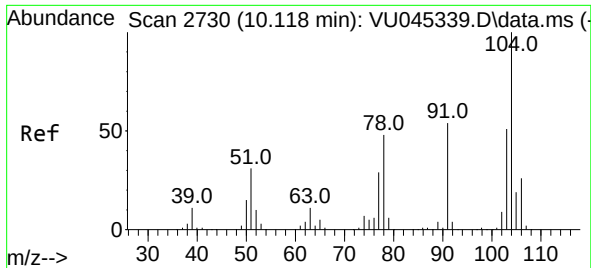
Tgt Ion:106 Resp: 8782  
Ion Ratio Lower Upper  
106 100  
91 183.3 144.4 268.2



#54  
o-xylene  
Concen: 2.007 ug/L  
RT: 10.105 min Scan# 2726  
Delta R.T. 0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion:106 Resp: 8445  
Ion Ratio Lower Upper  
106 100  
91 220.5 151.1 280.5

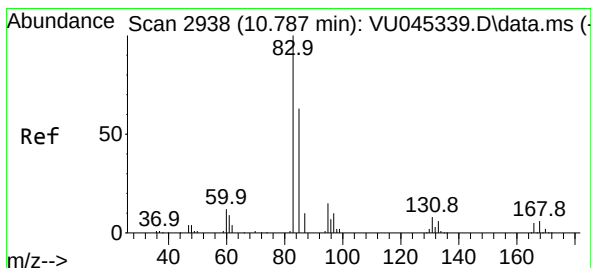
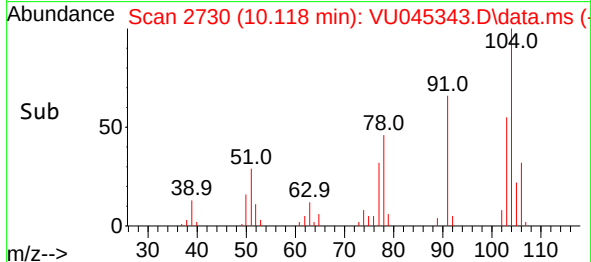
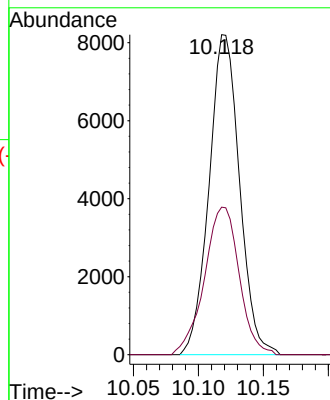
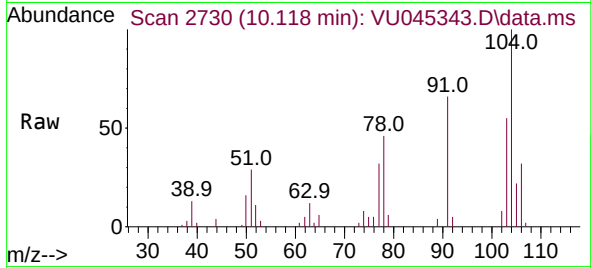




#55  
Styrene  
Concen: 1.879 ug/L  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

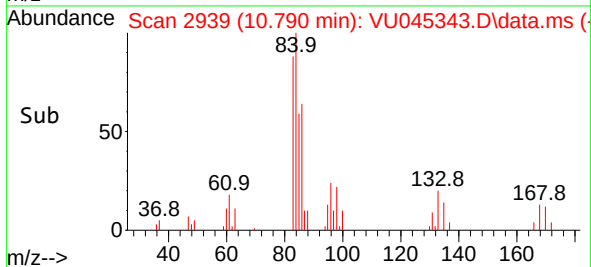
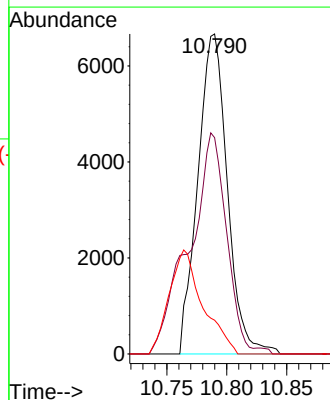
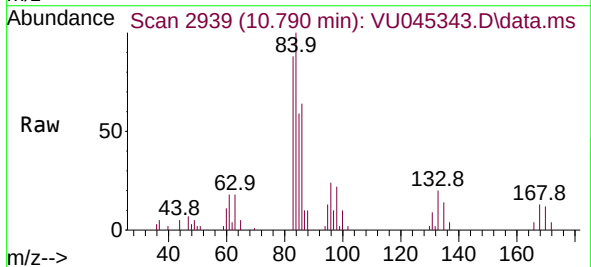
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:104 Resp: 13382  
Ion Ratio Lower Upper  
104 100  
78 46.1 32.7 60.7

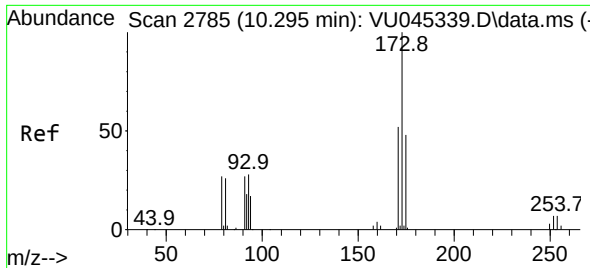


#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.545 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 83 Resp: 11429  
Ion Ratio Lower Upper  
83 100  
85 67.6 44.4 82.5  
131 10.5 6.8 10.2#



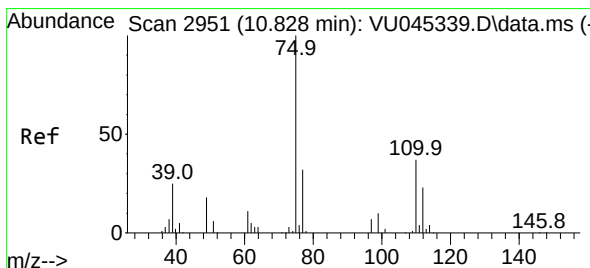
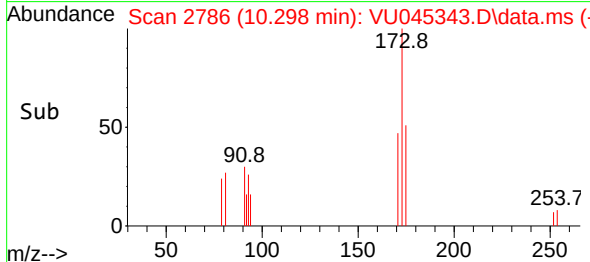
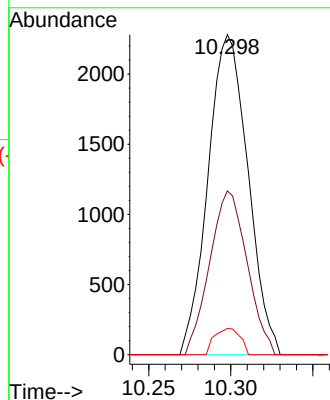
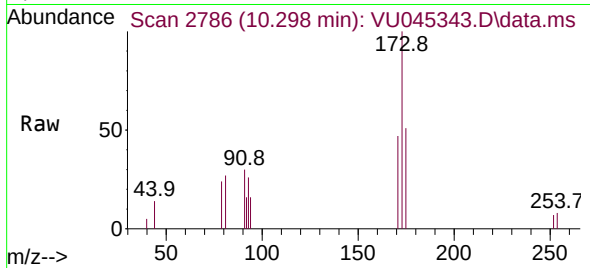




#59  
Bromoform  
Concen: 2.425 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

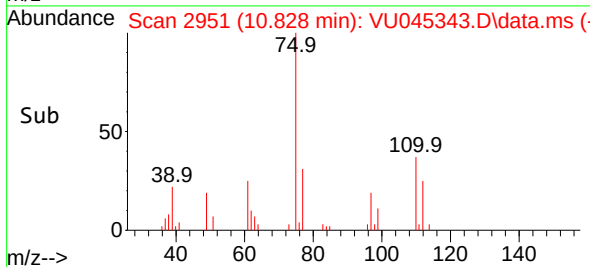
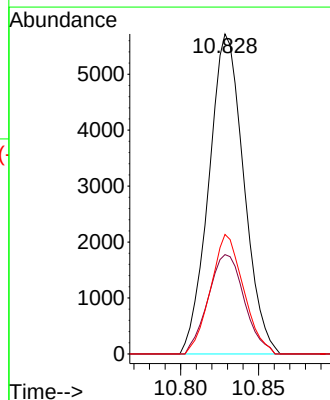
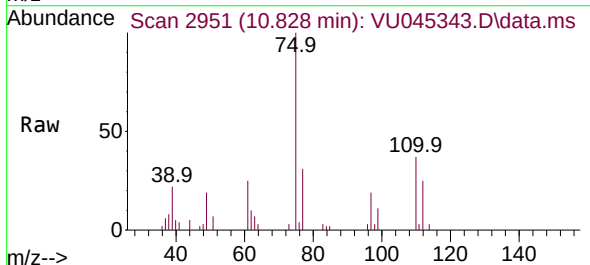
Instrument :  
MSVOA\_U  
ClientSampled :

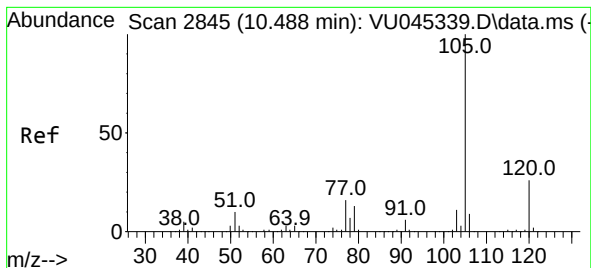
Tgt Ion:173 Resp: 3854  
Ion Ratio Lower Upper  
173 100  
175 48.0 39.3 58.9  
254 5.3 5.8 8.6#



#60  
1,2,3-Trichloropropane  
Concen: 2.682 ug/L  
RT: 10.828 min Scan# 2951  
Delta R.T. 0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion: 75 Resp: 8927  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.0 39.0  
110 35.2 28.8 43.2





#61

Isopropylbenzene

Concen: 2.135 ug/L

RT: 10.491 min Scan# 2846

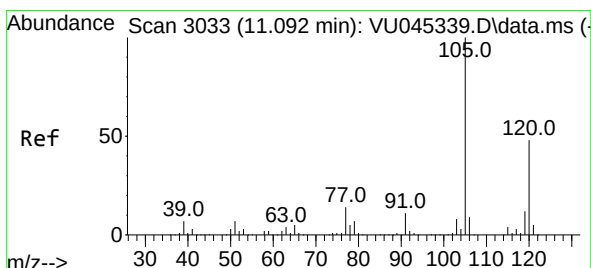
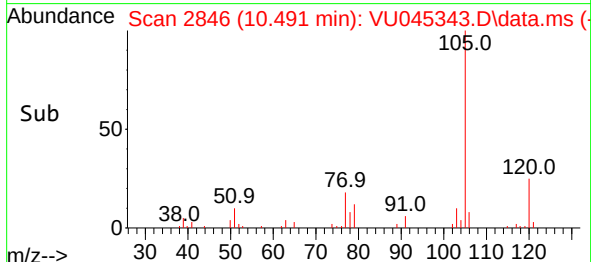
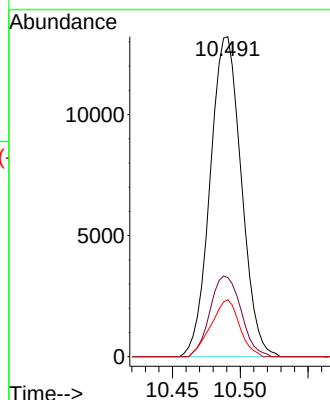
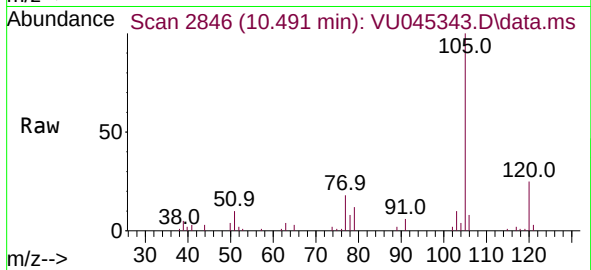
Delta R.T. 0.003 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 21133 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 25.1  | 20.5  | 30.7  |
| 77        | 16.3  | 13.2  | 19.8  |

Instrument :  
MSVOA\_U  
ClientSampled :



#62

1,3,5-Trimethylbenzene

Concen: 2.043 ug/L

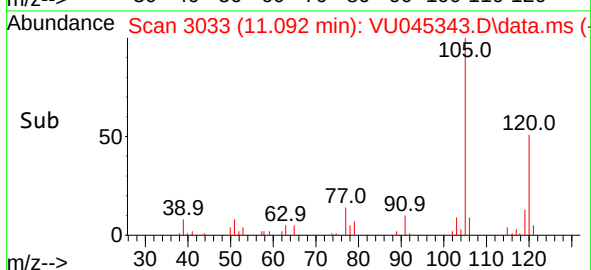
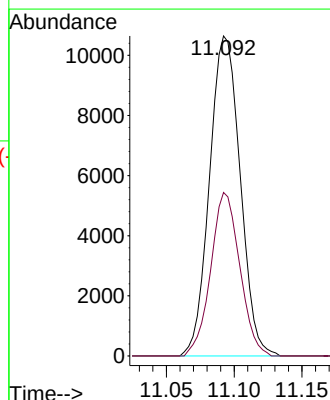
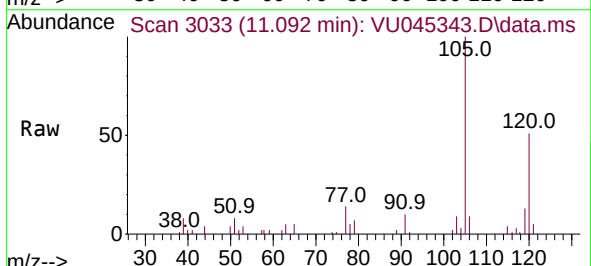
RT: 11.092 min Scan# 3033

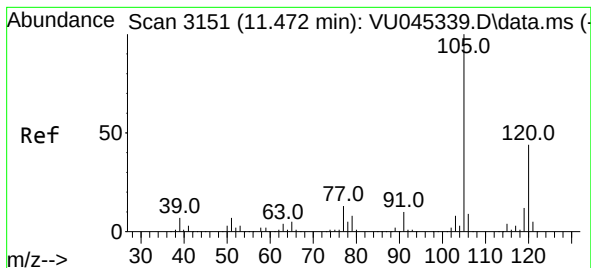
Delta R.T. 0.000 min

Lab File: VU045343.D

Acq: 20 Oct 2021 13:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 16736 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 48.4  | 38.2  | 57.2  |

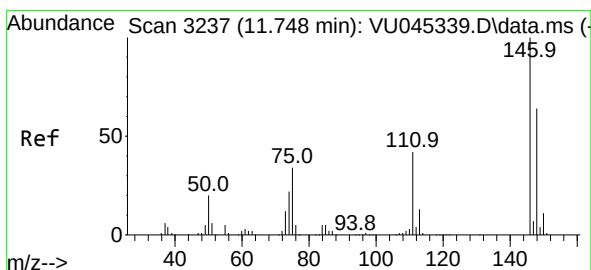
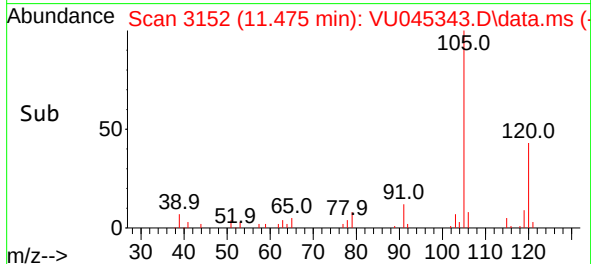
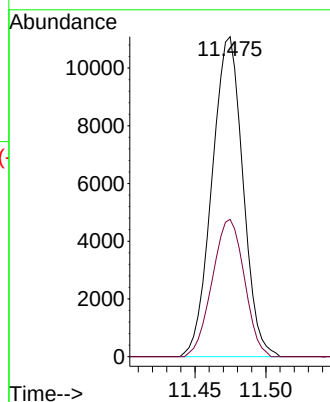
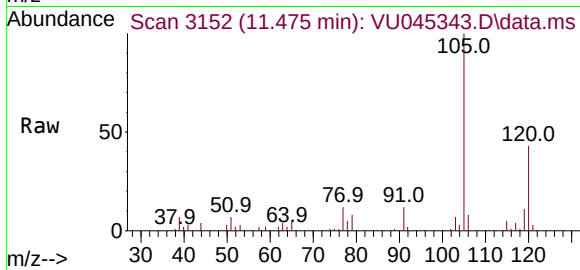




#63  
1,2,4-Trimethylbenzene  
Concen: 2.032 ug/L  
RT: 11.475 min Scan# 3152  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

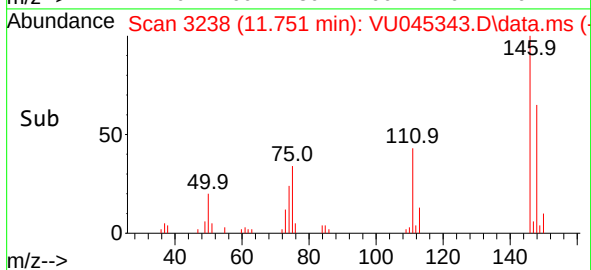
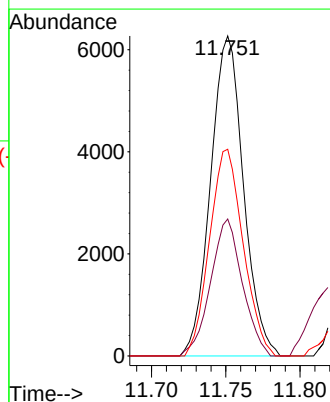
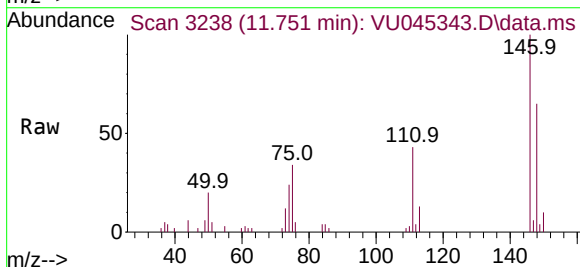
Instrument :  
MSVOA\_U  
ClientSampled :

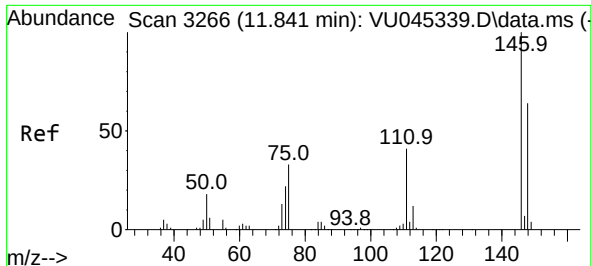
Tgt Ion:105 Resp: 16846  
Ion Ratio Lower Upper  
105 100  
120 44.4 35.5 53.3



#64  
1,3-Dichlorobenzene  
Concen: 2.155 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion:146 Resp: 9659  
Ion Ratio Lower Upper  
146 100  
111 46.7 29.0 53.9  
148 68.5 45.0 83.6

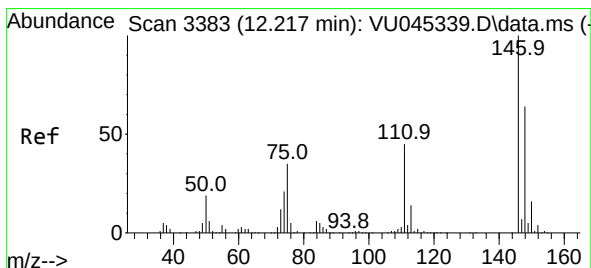
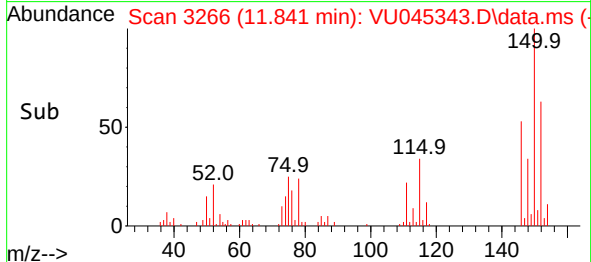
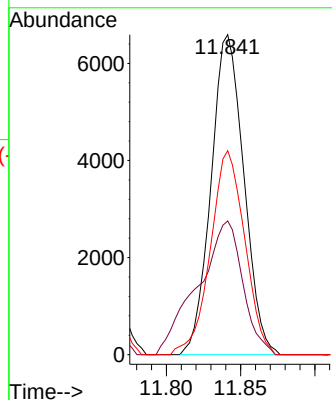
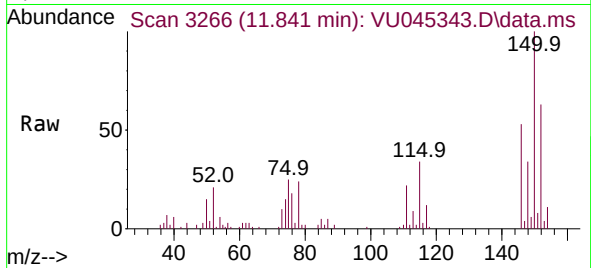




#65  
1,4-Dichlorobenzene  
Concen: 2.229 ug/L  
RT: 11.841 min Scan# 3266  
Delta R.T. 0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

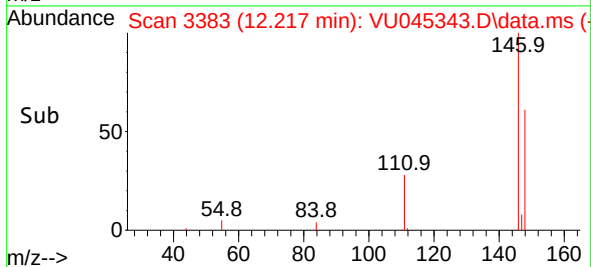
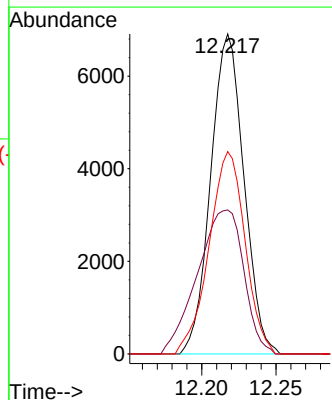
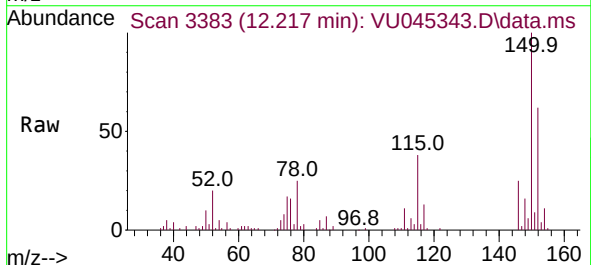
Instrument :  
MSVOA\_U  
ClientSampled :

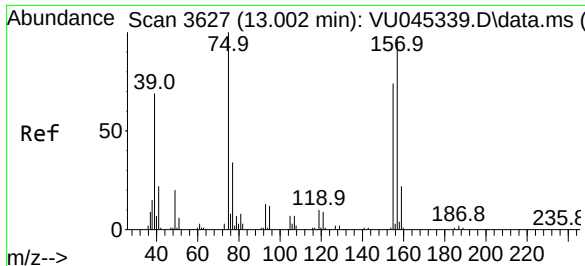
Tgt Ion:146 Resp: 10135  
Ion Ratio Lower Upper  
146 100  
111 41.8 28.6 53.2  
148 63.8 44.2 82.0



#67  
1,2-Dichlorobenzene  
Concen: 2.373 ug/L  
RT: 12.217 min Scan# 3383  
Delta R.T. -0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion:146 Resp: 10754  
Ion Ratio Lower Upper  
146 100  
111 45.0 35.2 52.8  
148 63.3 50.8 76.2

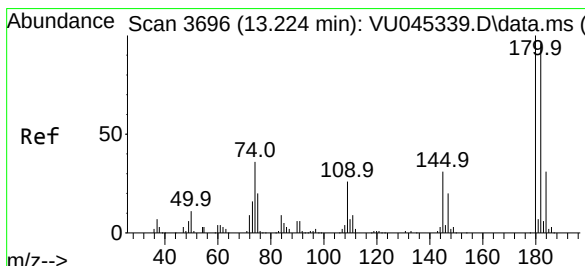
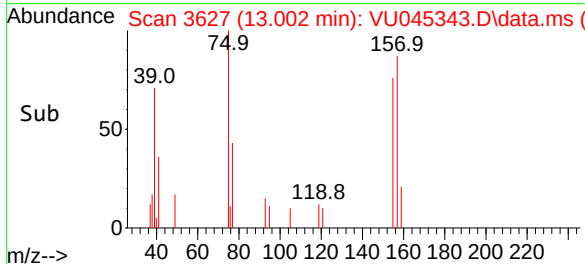
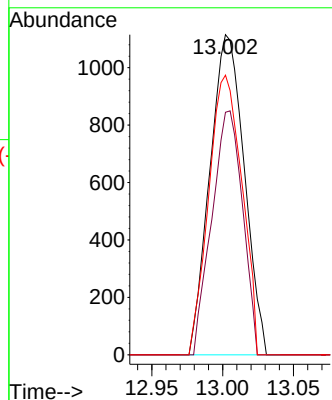
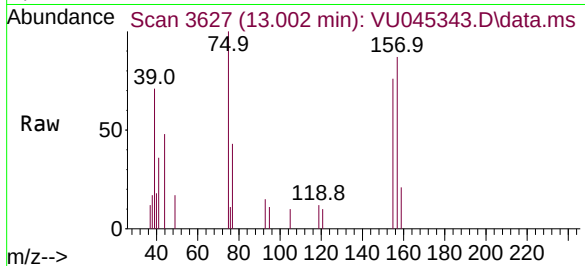




#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.026 ug/L  
RT: 13.002 min Scan# 3627  
Delta R.T. -0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

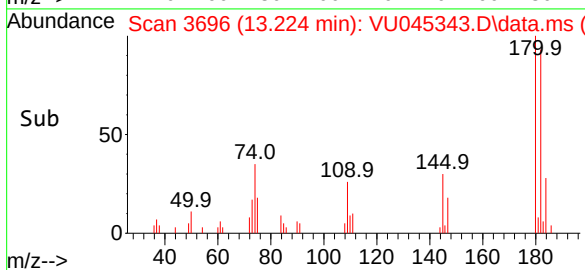
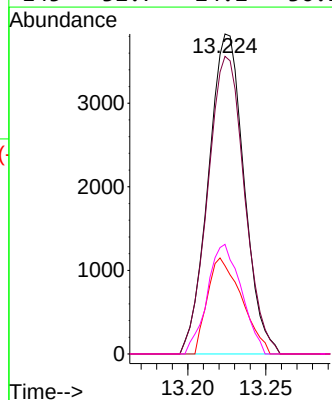
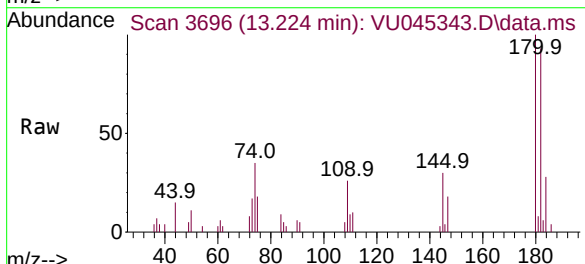
Instrument :  
MSVOA\_U  
ClientSampleId :

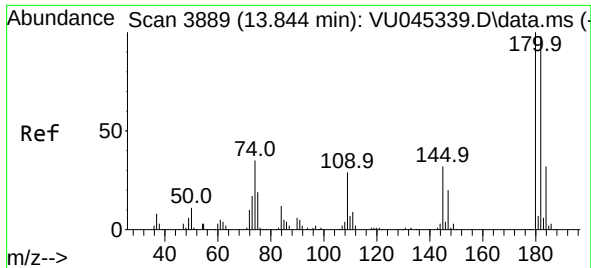
Tgt Ion: 75 Resp: 1878  
Ion Ratio Lower Upper  
75 100  
155 68.1 61.9 92.9  
157 78.5 74.1 111.1



#69  
1,3,5-Trichlorobenzene  
Concen: 1.974 ug/L  
RT: 13.224 min Scan# 3696  
Delta R.T. 0.000 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

Tgt Ion:180 Resp: 6089  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.0 114.0  
184 28.8 23.8 35.8  
145 32.7 24.2 36.2

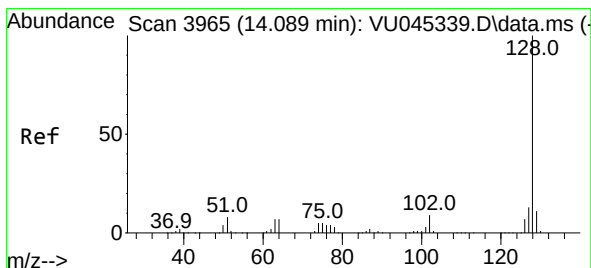
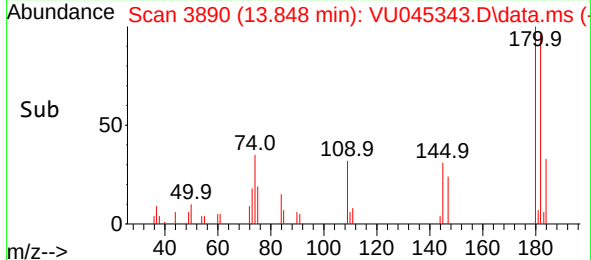
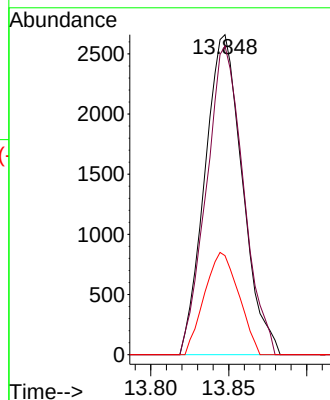
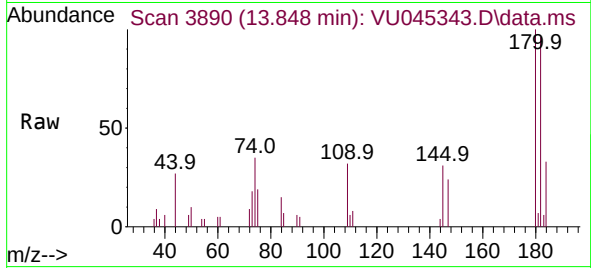




#70  
1,2,4-trichlorobenzene  
Concen: 1.723 ug/L  
RT: 13.848 min Scan# 3890  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

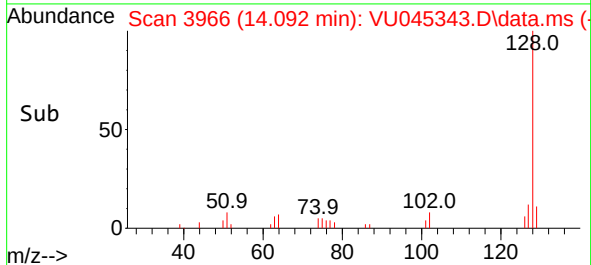
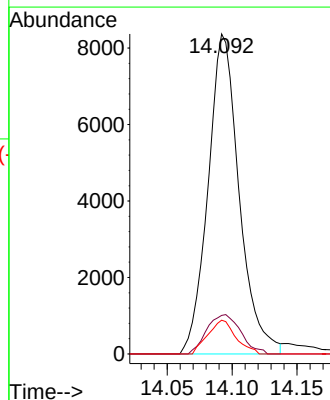
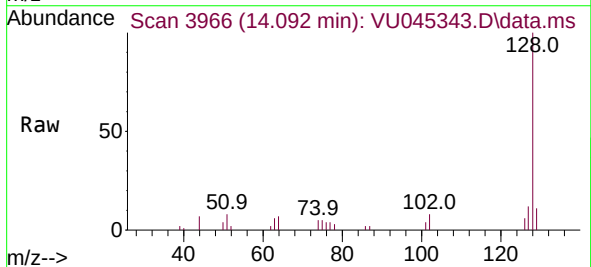
Instrument :  
MSVOA\_U  
ClientSampled :

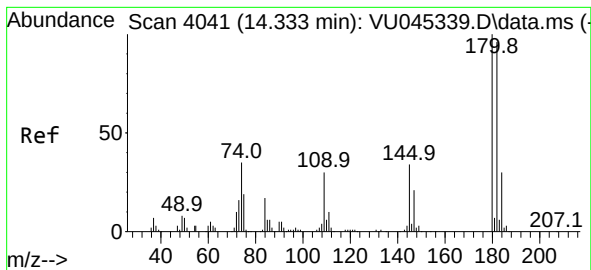
Tgt Ion:180 Resp: 4455  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.7 113.5  
145 29.2 25.1 37.7



#71  
Naphthalene  
Concen: 1.613 ug/L  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.003 min  
Lab File: VU045343.D  
Acq: 20 Oct 2021 13:54

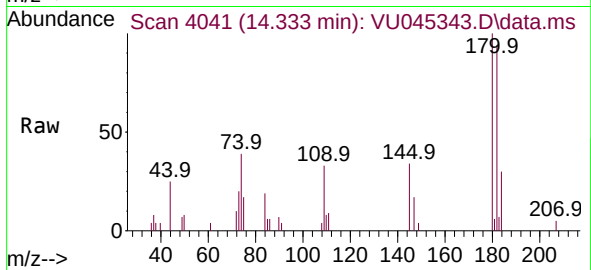
Tgt Ion:128 Resp: 13937  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.6 15.8  
129 9.5 8.6 13.0





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.822 ug/L  
 RT: 14.333 min Scan# 4041  
 Delta R.T. 0.000 min  
 Lab File: VU045343.D  
 Acq: 20 Oct 2021 13:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 4707  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 92.8  | 75.0  | 112.4 |
| 145      | 33.6  | 26.4  | 39.6  |

