

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
 Data File : VU042077.D  
 Acq On : 15 Jan 2021 17:13  
 Operator : SY/MD  
 Sample : M1065-15DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFXP5DL

Quant Time: Jan 16 01:12:43 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jan 16 01:05:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 130176   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 106330   | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 50078    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 35547    | 3.62     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 72.40%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 43311    | 4.66     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.20%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63    | 58636    | 2.96     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 59.20%#  |
| 20) 2-Butanone-d5             | 4.652  | 46    | 193798   | 58.79    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 117.58%  |
| 24) Chloroform-d              | 5.080  | 84    | 101562   | 5.05     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.716  | 65    | 59452    | 5.42     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 108.40%  |
| 32) Benzene-d6                | 5.742  | 84    | 190786   | 5.55     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 111.00%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 66691    | 5.92     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 118.40%  |
| 41) Toluene-d8                | 7.906  | 98    | 132244   | 4.30     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.00%   |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79    | 21713    | 4.79     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.80%   |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 132883   | 57.21    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 114.42%  |
| 57) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 50233    | 5.85     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 117.00%  |
| 64) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 51126    | 5.42     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 108.40%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 664      | 0.06     | ug/L   | 94       |
| 3) Chloromethane              | 1.523  | 50    | 2344     | 0.16     | ug/L   | 87       |
| 9) Trichlorofluoromethane     | 2.147  | 101   | 742      | 0.04     | ug/L   | 86       |
| 12) 1,1-Dichloroethene        | 2.585  | 96    | 1091     | 0.11     | ug/L # | 1        |
| 13) Acetone                   | 2.662  | 43    | 1572     | 0.76     | ug/L   | 89       |
| 16) Methylene chloride        | 3.057  | 84    | 3736     | 0.31     | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.382  | 73    | 2459     | 0.09     | ug/L # | 85       |
| 19) 1,1-Dichloroethane        | 3.884  | 63    | 1854     | 0.09     | ug/L # | 85       |
| 22) cis-1,2-Dichloroethene    | 4.684  | 96    | 3577     | 0.33     | ug/L   | 78       |
| 25) Chloroform                | 5.102  | 83    | 2504     | 0.12     | ug/L   | 94       |
| 34) Trichloroethene           | 6.552  | 95    | 50111    | 5.09     | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.700  | 83    | 14551    | 0.93     | ug/L # | 16       |
| 39) cis-1,3-Dichloropropene   | 7.571  | 75    | 1341     | 0.09     | ug/L # | 62       |
| 44) trans-1,3-Dichloropropene | 8.182  | 75    | 894      | 0.07     | ug/L # | 42       |
| 47) Tetrachloroethene         | 8.559  | 164   | 8178     | 1.28     | ug/L   | 94       |
| 48) 2-Hexanone                | 8.694  | 43    | 2374     | 0.50     | ug/L # | 81       |
| 49) Dibromochloromethane      | 8.555  | 129   | 7992     | 1.02     | ug/L # | 11       |
| 59) 1,2,3-Trichloropropane    | 11.809 | 75    | 5933     | 0.88     | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

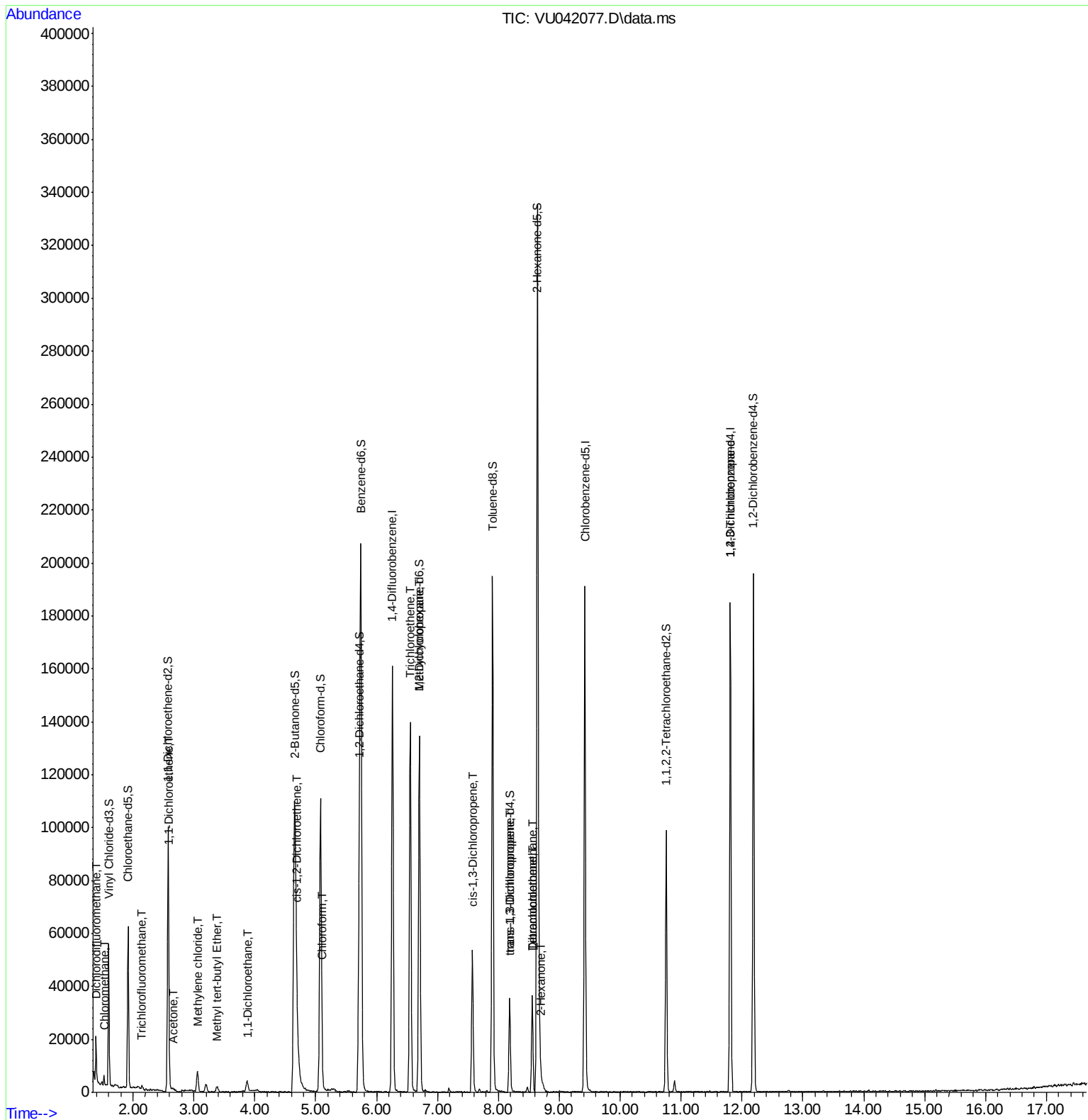
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042077.D  
Acq On : 15 Jan 2021 17:13  
Operator : SY/MD  
Sample : M1065-15DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

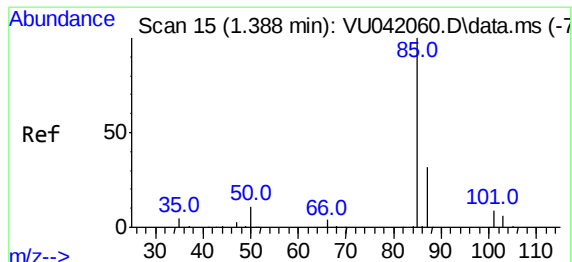
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP5DL

Quant Time: Jan 16 01:12:43 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jan 16 01:05:16 2021  
Response via : Initial Calibration

| Compound                                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

Quant Time: Jan 16 01:12:43 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jan 16 01:05:16 2021  
Response via : Initial Calibration



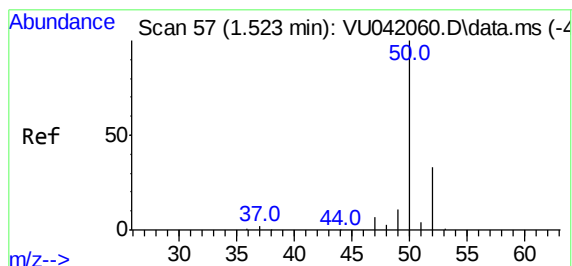
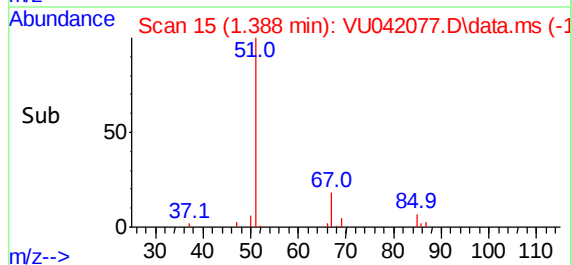
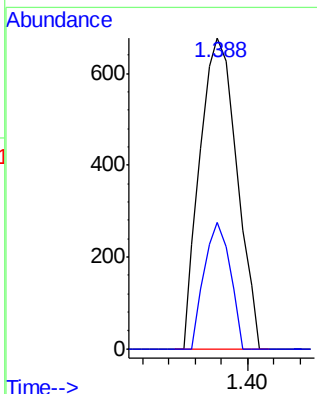
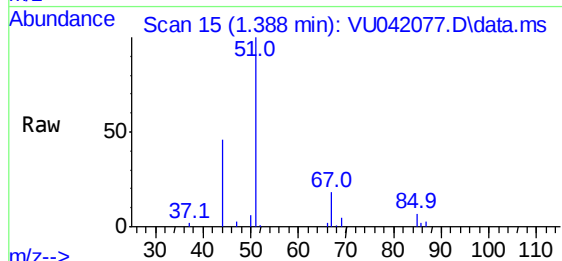


#2

Dichlorodifluoromethane  
 Concen: 0.06 ug/L  
 RT: 1.388 min Scan# 15  
 Delta R.T. 0.000 min  
 Lab File: VU042077.D  
 Acq: 15 Jan 2021 17:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFXP5DL

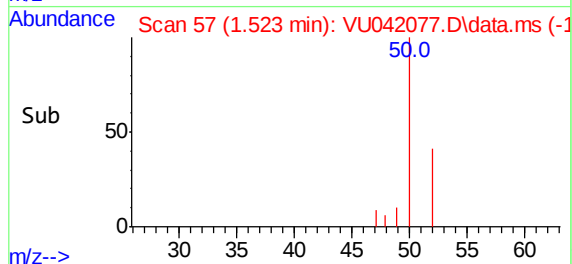
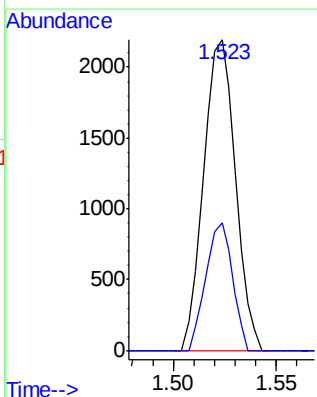
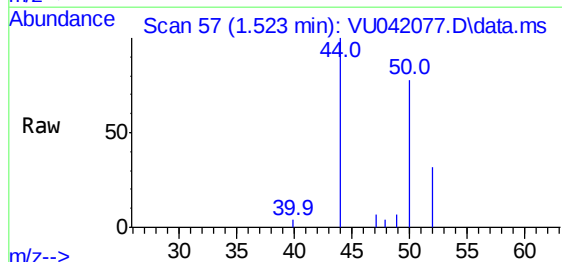
Tgt Ion: 85 Resp: 664  
 Ion Ratio Lower Upper  
 85 100  
 87 28.8 25.7 38.5

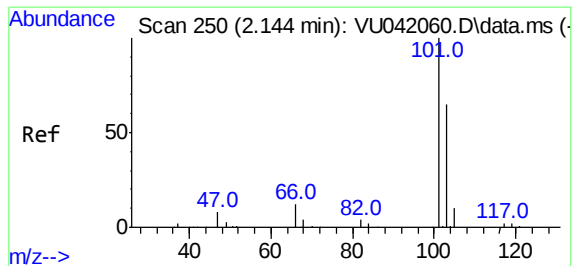


#3

Chloromethane  
 Concen: 0.16 ug/L  
 RT: 1.523 min Scan# 57  
 Delta R.T. 0.000 min  
 Lab File: VU042077.D  
 Acq: 15 Jan 2021 17:13

Tgt Ion: 50 Resp: 2344  
 Ion Ratio Lower Upper  
 50 100  
 52 41.2 23.5 43.7

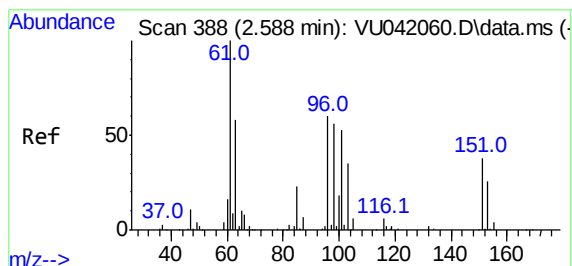
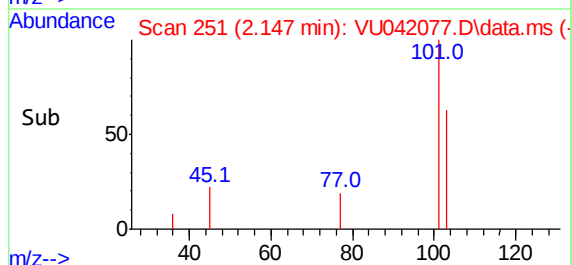
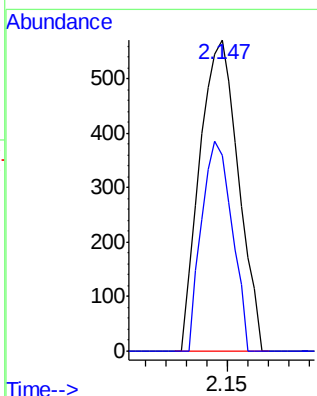
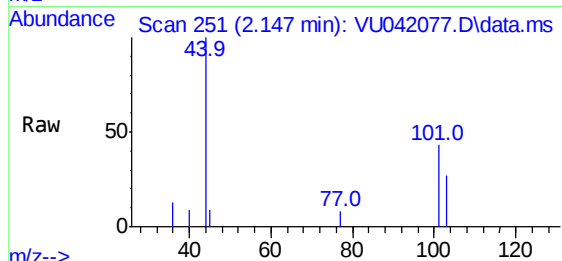




#9  
Trichlorofluoromethane  
Concen: 0.04 ug/L  
RT: 2.147 min Scan# 251  
Delta R.T. 0.003 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

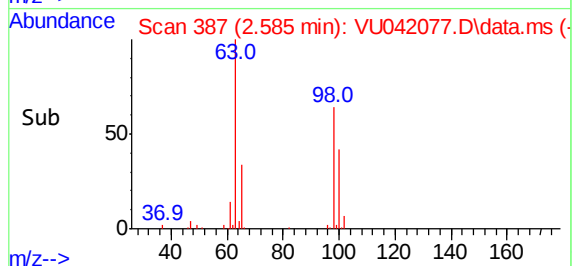
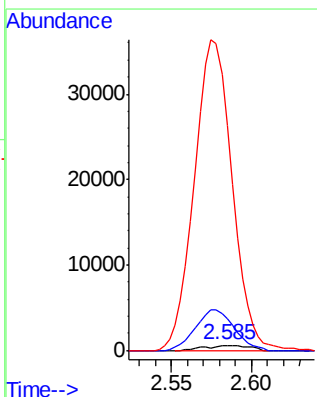
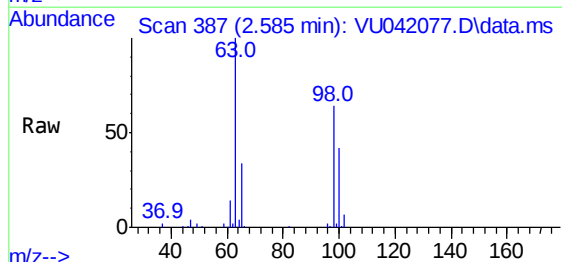
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP5DL

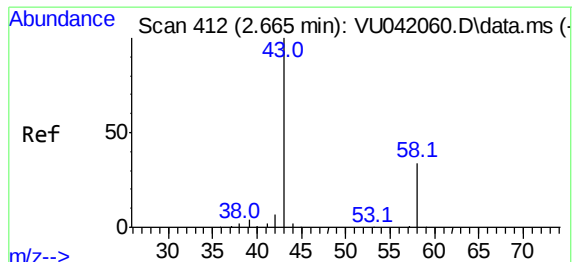
Tgt Ion:101 Resp: 742  
Ion Ratio Lower Upper  
101 100  
103 53.2 51.6 77.4



#12  
1,1-Dichloroethene  
Concen: 0.11 ug/L  
RT: 2.585 min Scan# 387  
Delta R.T. -0.003 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Tgt Ion: 96 Resp: 1091  
Ion Ratio Lower Upper  
96 100  
61 580.4 122.2 226.9#  
63 4170.6 82.8 153.8#

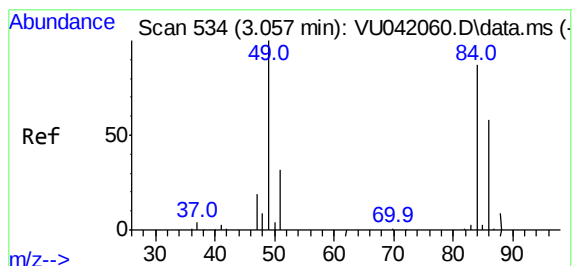
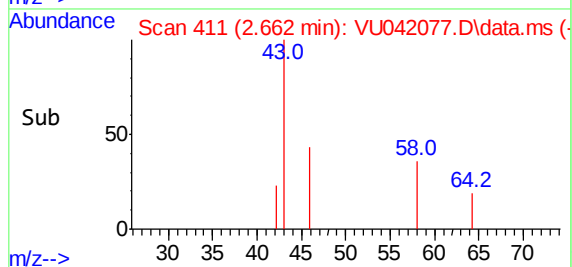
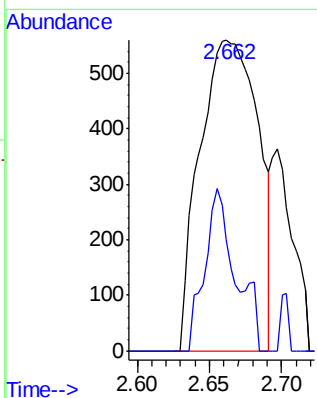
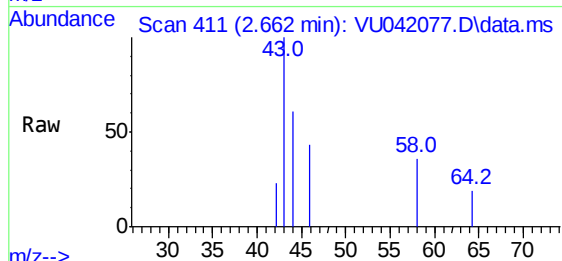




#13  
Acetone  
Concen: 0.76 ug/L  
RT: 2.662 min Scan# 411  
Delta R.T. -0.003 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

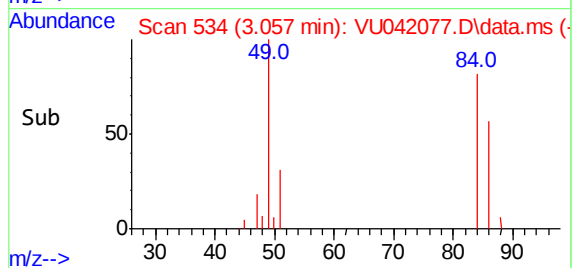
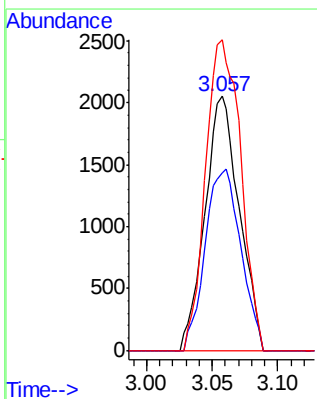
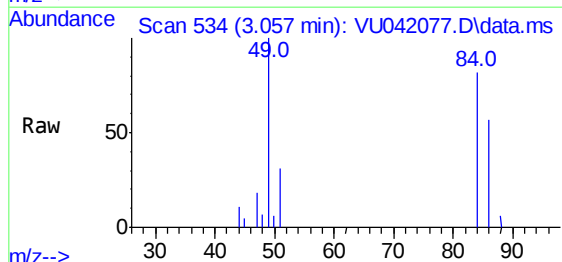
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP5DL

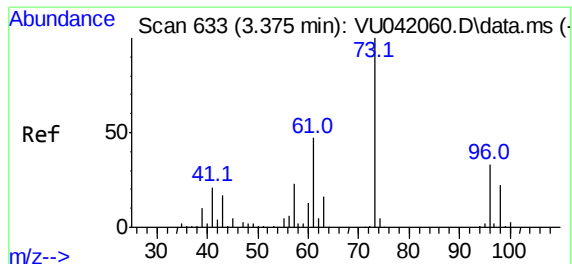
Tgt Ion: 43 Resp: 1572  
Ion Ratio Lower Upper  
43 100  
58 23.1 0.0 57.4



#16  
Methylene chloride  
Concen: 0.31 ug/L  
RT: 3.057 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Tgt Ion: 84 Resp: 3736  
Ion Ratio Lower Upper  
84 100  
86 69.8 42.6 79.0  
49 122.4 86.2 160.0

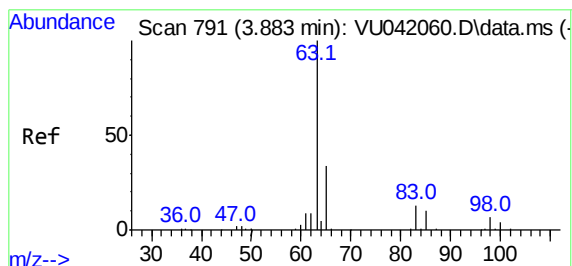
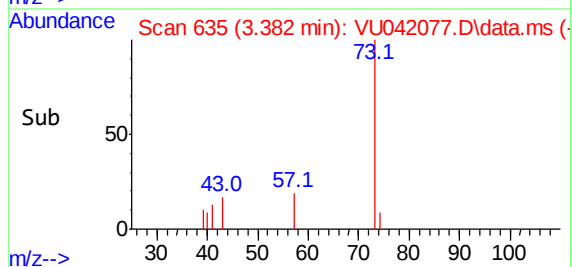
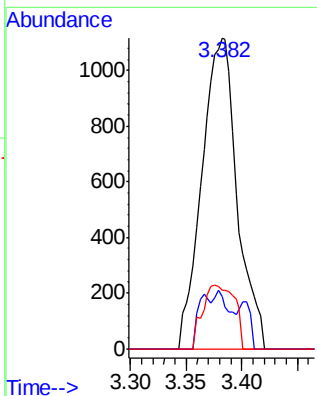
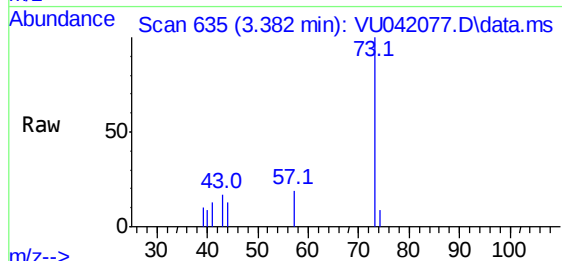




#17  
Methyl tert-butyl Ether  
Concen: 0.09 ug/L  
RT: 3.382 min Scan# 635  
Delta R.T. 0.006 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

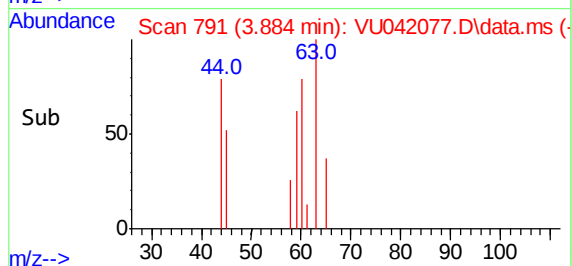
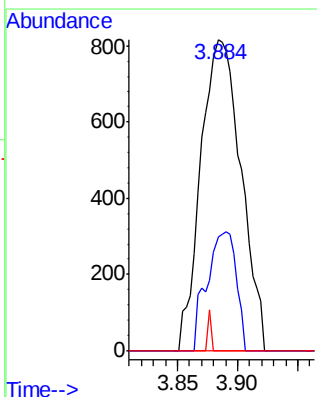
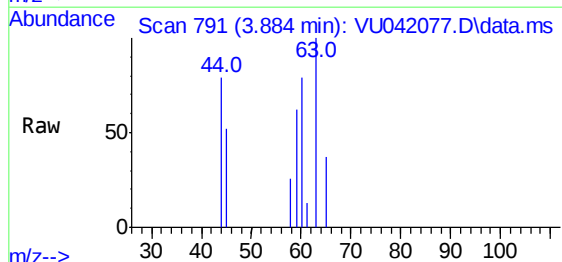
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP5DL

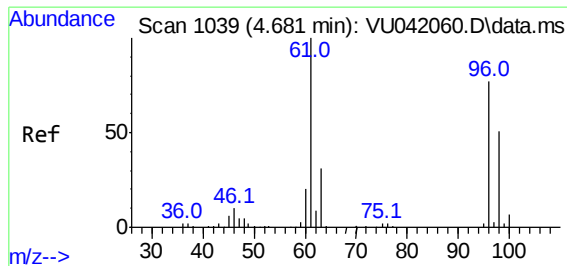
Tgt Ion: 73 Resp: 2459  
Ion Ratio Lower Upper  
73 100  
43 8.8 15.1 22.7#  
57 18.6 18.0 27.0



#19  
1,1-Dichloroethane  
Concen: 0.09 ug/L  
RT: 3.884 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Tgt Ion: 63 Resp: 1854  
Ion Ratio Lower Upper  
63 100  
65 36.8 22.7 42.1  
83 0.0 9.4 17.6#



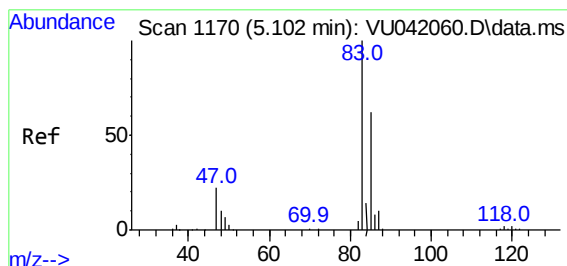
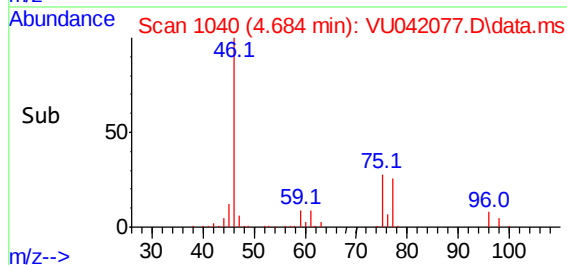
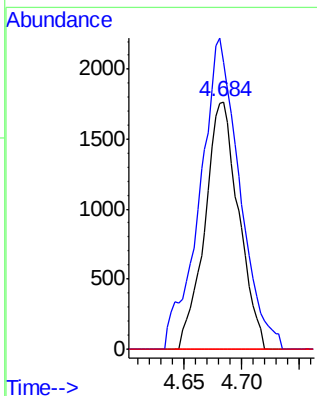
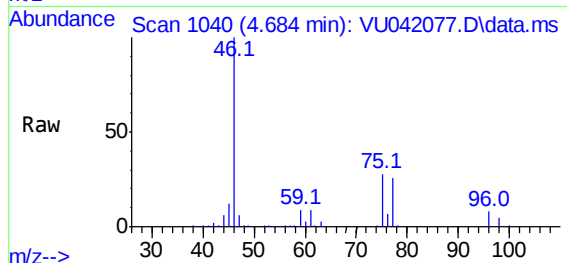


#22  
 cis-1,2-Dichloroethene  
 Concen: 0.33 ug/L  
 RT: 4.684 min Scan# 1040  
 Delta R.T. 0.003 min  
 Lab File: VU042077.D  
 Acq: 15 Jan 2021 17:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFXP5DL

Tgt Ion: 96 Resp: 3577  

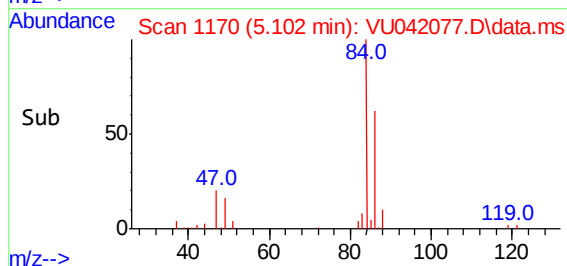
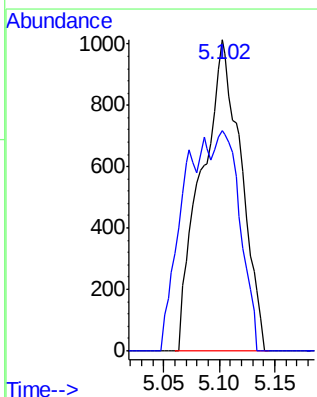
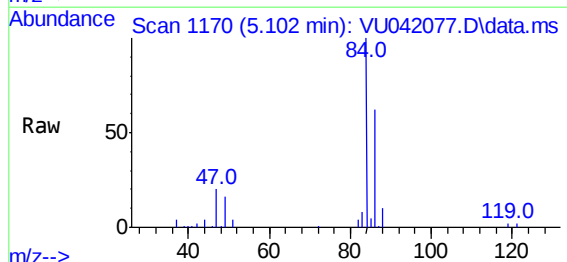
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.7 | 100.3 | 186.3 |
| 68  | 0.0   | 0.0   | 0.0   |

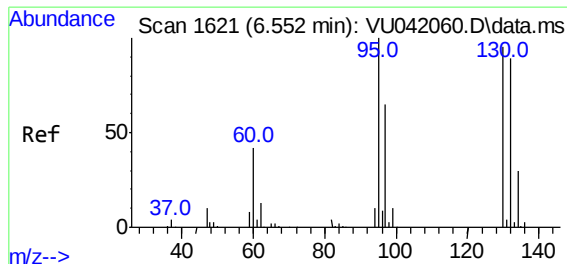


#25  
 Chloroform  
 Concen: 0.12 ug/L  
 RT: 5.102 min Scan# 1170  
 Delta R.T. 0.000 min  
 Lab File: VU042077.D  
 Acq: 15 Jan 2021 17:13

Tgt Ion: 83 Resp: 2504  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 70.7  | 46.1  | 85.7  |



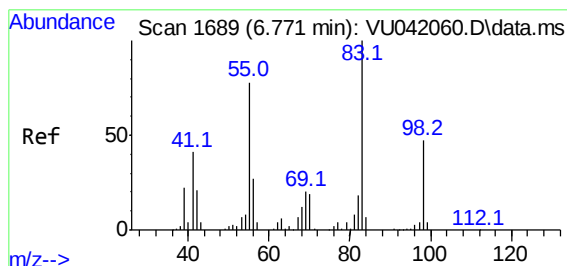
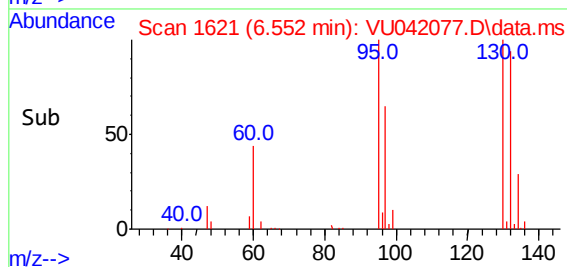
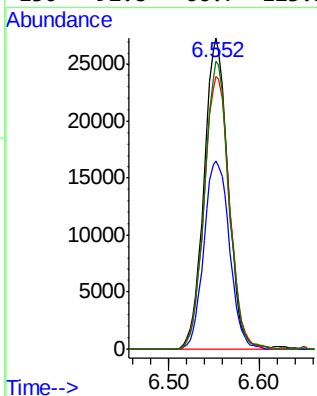
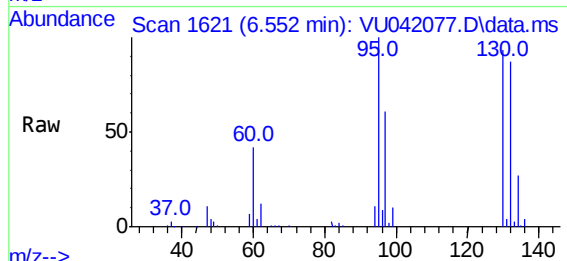


#34  
Trichloroethene  
Concen: 5.09 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP5DL

Tgt Ion: 95 Resp: 50111

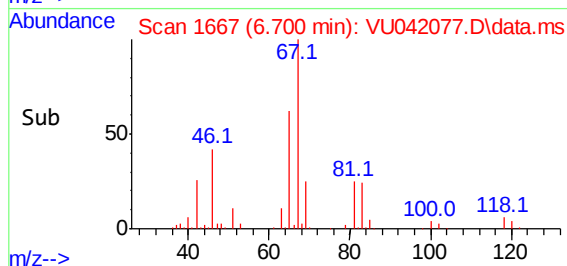
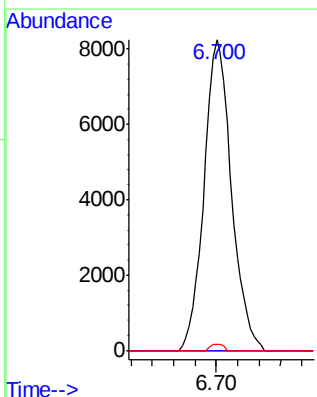
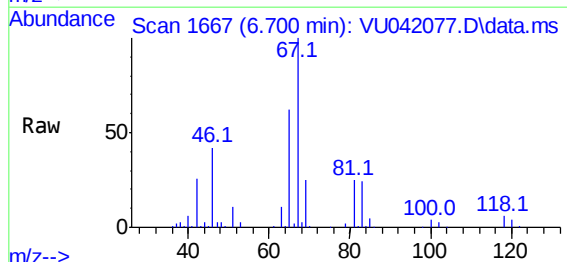
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.5  | 43.6  | 81.0  |
| 132 | 87.5  | 64.3  | 119.3 |
| 130 | 92.8  | 66.7  | 123.9 |

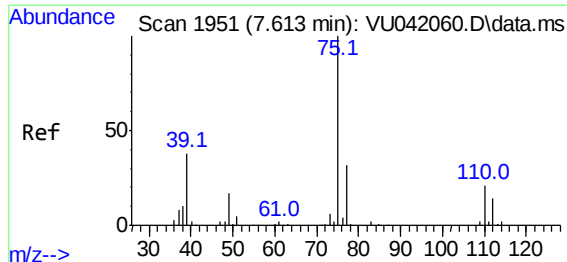


#35  
Methylcyclohexane  
Concen: 0.93 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.071 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Tgt Ion: 83 Resp: 14551

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.0   | 66.8  | 100.2# |
| 98  | 0.9   | 35.7  | 53.5#  |

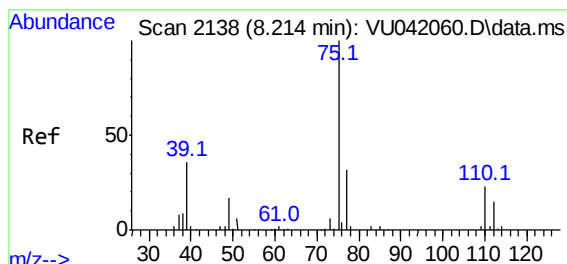
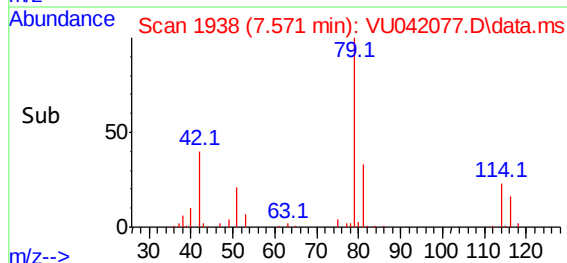
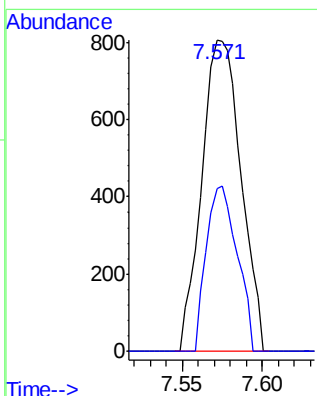
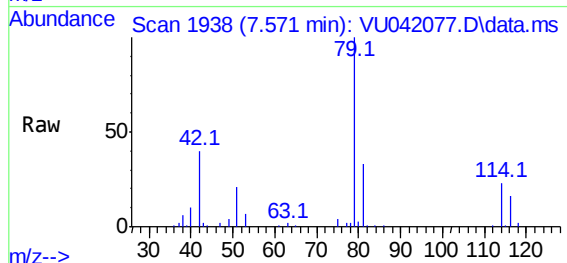




#39  
cis-1,3-Dichloropropene  
Concen: 0.09 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.042 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

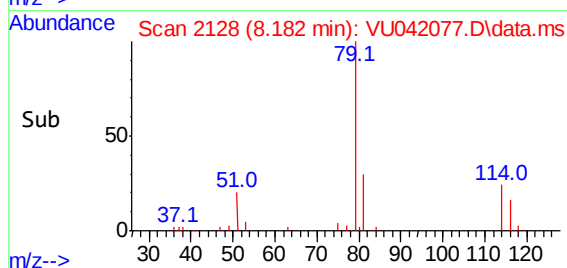
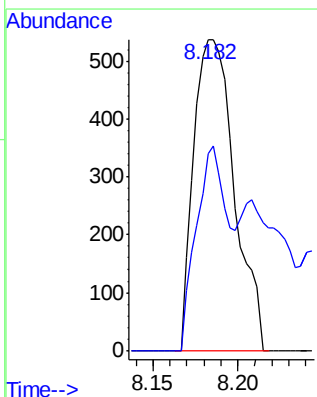
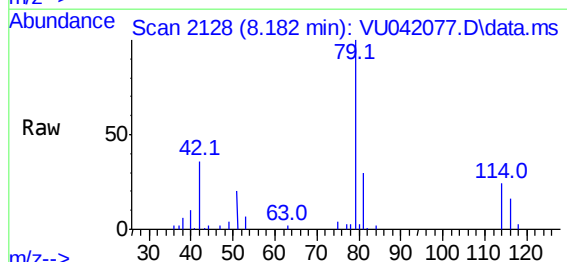
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP5DL

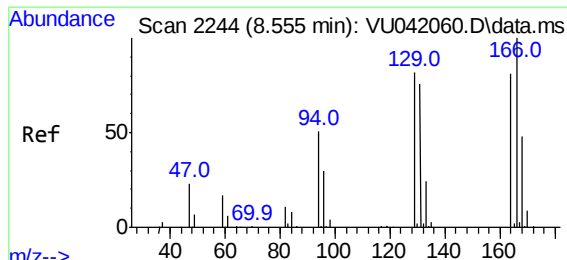
Tgt Ion: 75 Resp: 1341  
Ion Ratio Lower Upper  
75 100  
77 52.3 21.9 40.7#



#44  
trans-1,3-Dichloropropene  
Concen: 0.07 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.032 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Tgt Ion: 75 Resp: 894  
Ion Ratio Lower Upper  
75 100  
77 63.5 22.0 41.0#



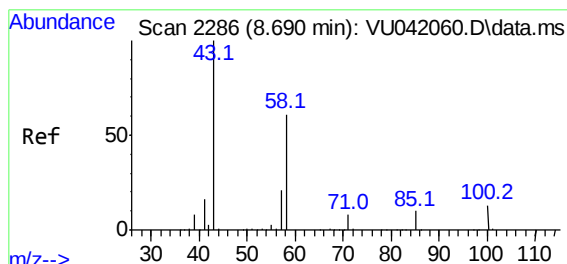
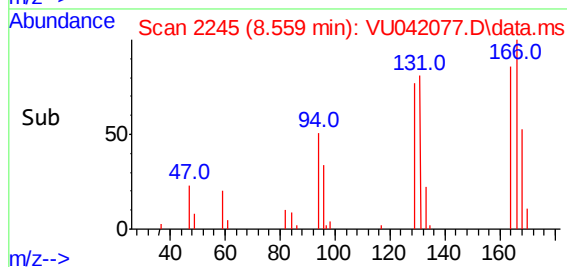
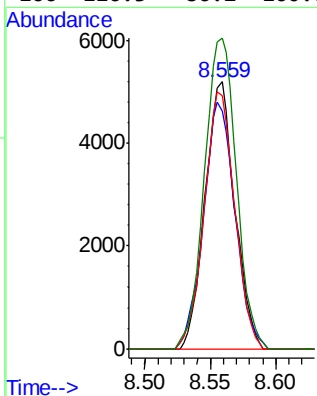
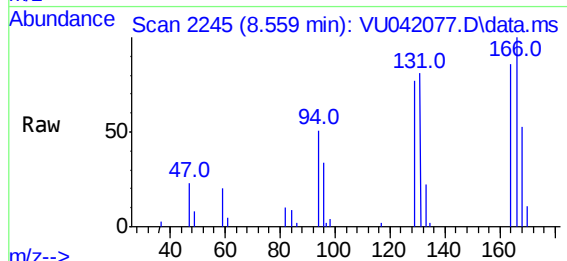


#47  
Tetrachloroethene  
Concen: 1.28 ug/L  
RT: 8.559 min Scan# 2245  
Delta R.T. 0.003 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Instrument :  
MSVOA\_U  
ClientSampled :  
BFXP5DL

Tgt Ion:164 Resp: 8178

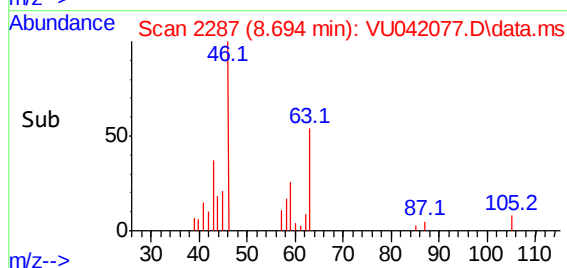
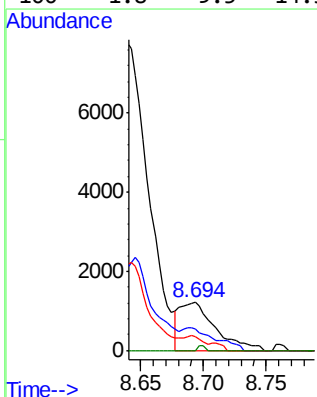
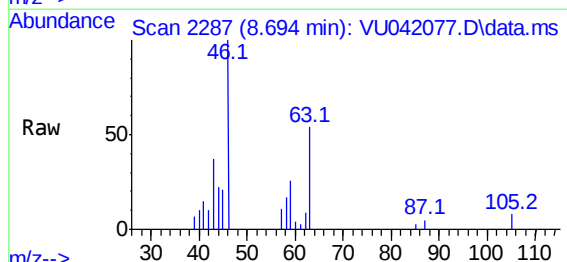
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.0  | 68.7  | 127.5 |
| 131 | 94.6  | 65.2  | 121.0 |
| 166 | 116.3 | 86.2  | 160.0 |

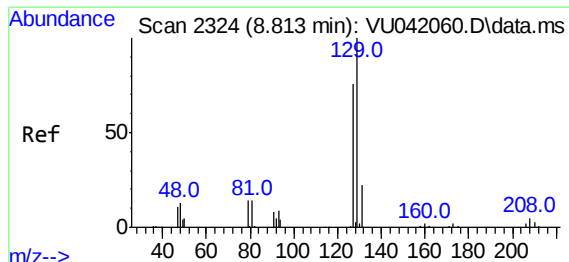


#48  
2-Hexanone  
Concen: 0.50 ug/L  
RT: 8.694 min Scan# 2287  
Delta R.T. 0.003 min  
Lab File: VU042077.D  
Acq: 15 Jan 2021 17:13

Tgt Ion: 43 Resp: 2374

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 42.3  | 47.8  | 71.8# |
| 57  | 18.9  | 17.4  | 26.0  |
| 100 | 1.8   | 9.5   | 14.3# |





#49

Dibromochloromethane

Concen: 1.02 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU042077.D

Acq: 15 Jan 2021 17:13

Tgt Ion:129 Resp: 7992

Ion Ratio Lower Upper

129 100

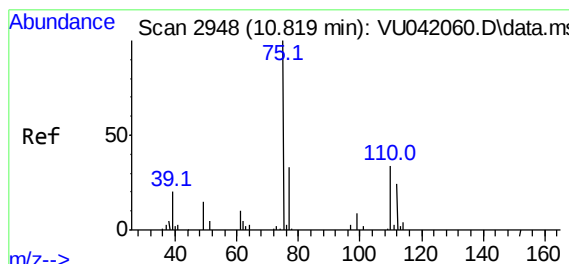
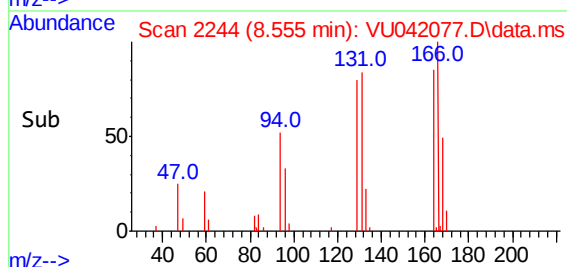
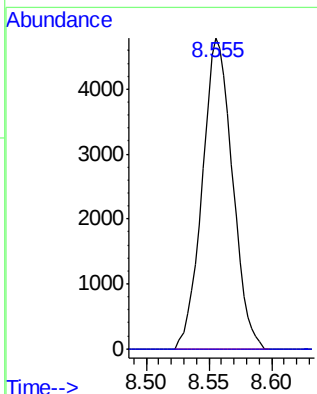
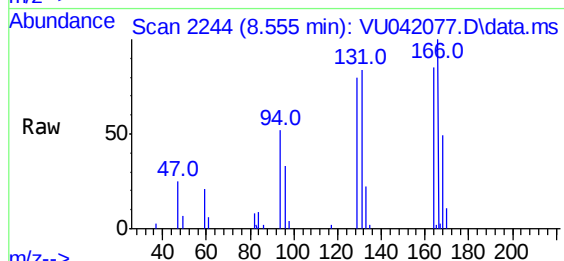
127 0.0 53.7 99.7#

Instrument :

MSVOA\_U

ClientSampleId :

BFXP5DL



#59

1,2,3-Trichloropropane

Concen: 0.88 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU042077.D

Acq: 15 Jan 2021 17:13

Tgt Ion: 75 Resp: 5933

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

