

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121422\  
 Data File : VU052405.D  
 Acq On : 14 Dec 2022 17:08  
 Operator : JC/MD  
 Sample : N6034-10  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGPk1

Quant Time: Dec 14 21:40:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 14 21:38:14 2022  
 Response via : Initial Calibration

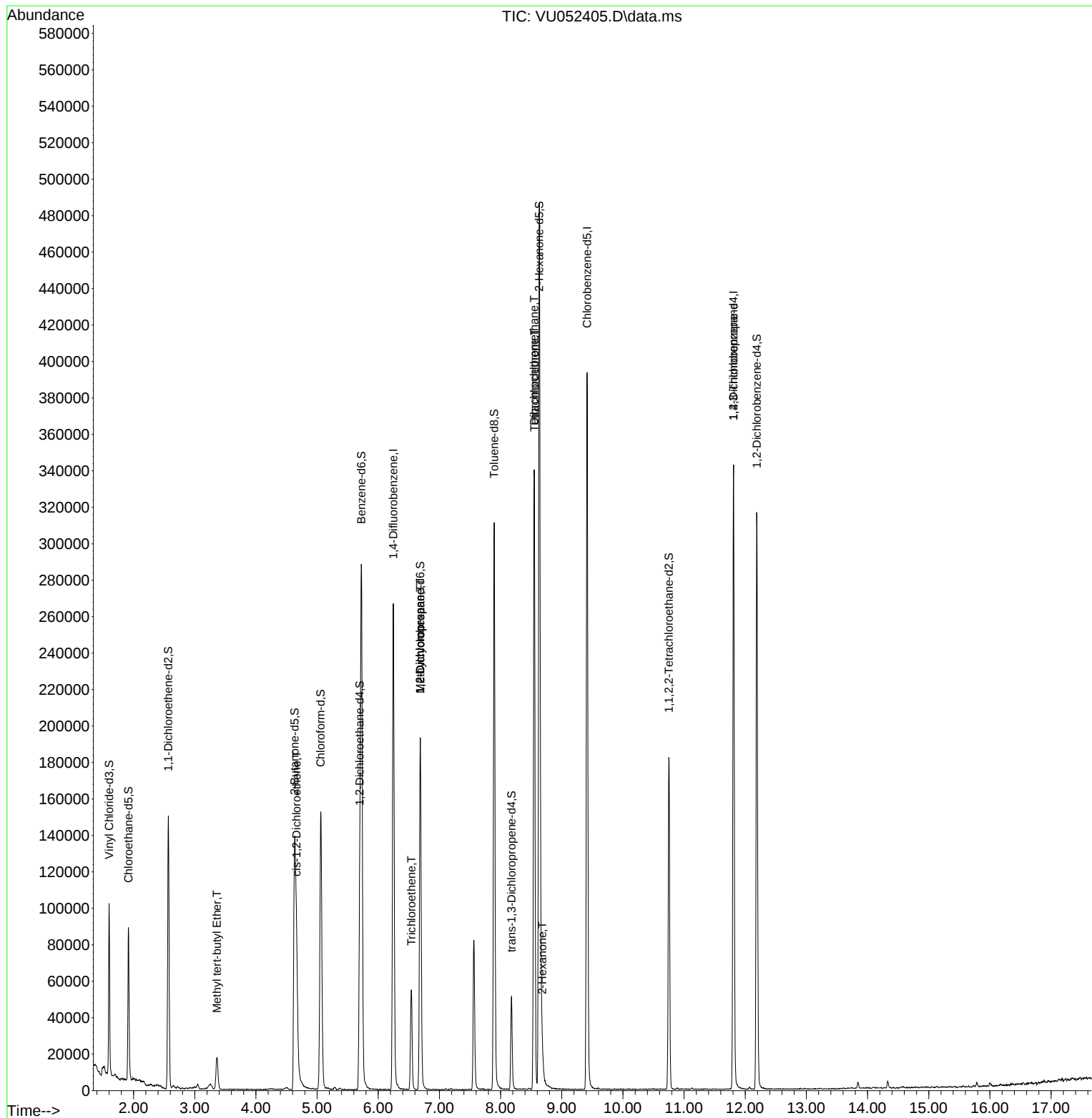
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 222169   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 231176   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 94912    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 66921    | 3.097    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 62.000%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 64344    | 3.833    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 27494    | 3.549    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.000%  |
| 20) 2-Butanone-d5             | 4.632  | 46    | 240514   | 61.400   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 122.800% |
| 24) Chloroform-d              | 5.060  | 84    | 142707   | 4.494    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 80963    | 5.048    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.000% |
| 32) Benzene-d6                | 5.726  | 84    | 284030   | 4.138    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 100909   | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 218341   | 3.516    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 70.400%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 30191    | 3.901    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.000%  |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 167750   | 51.141   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 94350    | 5.123    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 88690    | 4.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 17) Methyl tert-butyl Ether   | 3.362  | 73    | 19195    | 0.532    | ug/L # | 80       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 21283    | 1.174    | ug/L   | 92       |
| 34) Trichloroethene           | 6.542  | 95    | 19400    | 1.034    | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.687  | 83    | 22229    | 0.823    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 9630     | 0.494    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.552  | 164   | 80124    | 5.571    | ug/L   | 96       |
| 48) 2-Hexanone                | 8.684  | 43    | 5418     | 0.726    | ug/L # | 85       |
| 49) Dibromochloromethane      | 8.549  | 129   | 76535    | 4.668    | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75    | 11013    | 1.014    | ug/L # | 70       |

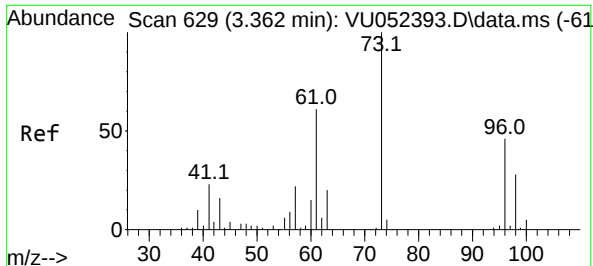
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121422\  
Data File : VU052405.D  
Acq On : 14 Dec 2022 17:08  
Operator : JC/MD  
Sample : N6034-10  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGPK1

Quant Time: Dec 14 21:40:51 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Dec 14 21:38:14 2022  
Response via : Initial Calibration





#17

Methyl tert-butyl Ether

Concen: 0.532 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052405.D

Acq: 14 Dec 2022 17:08

Instrument :

MSVOA\_U

ClientSampleId :

BGPK1

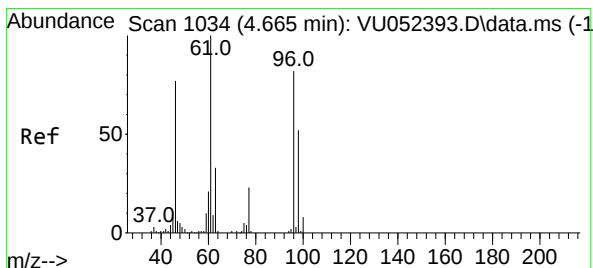
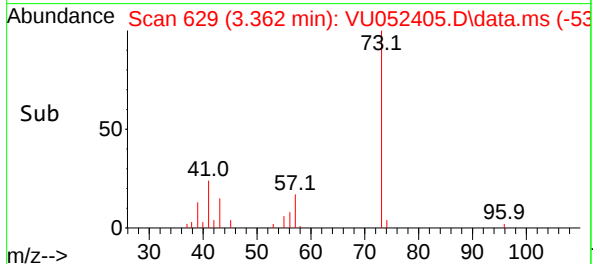
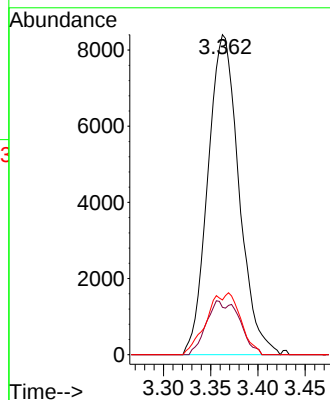
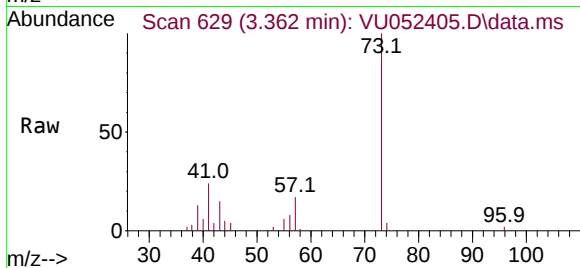
Tgt Ion: 73 Resp: 19195

Ion Ratio Lower Upper

73 100

43 10.3 13.2 19.8#

57 10.8 17.8 26.8#



#22

cis-1,2-Dichloroethene

Concen: 1.174 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052405.D

Acq: 14 Dec 2022 17:08

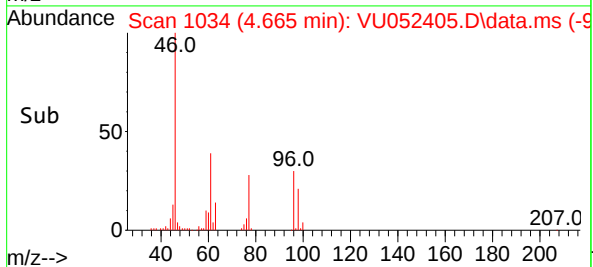
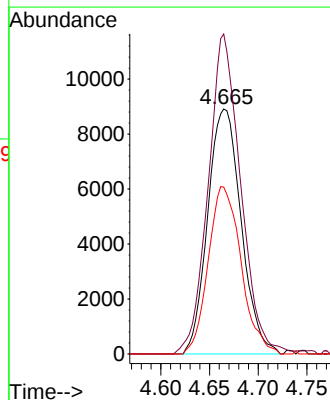
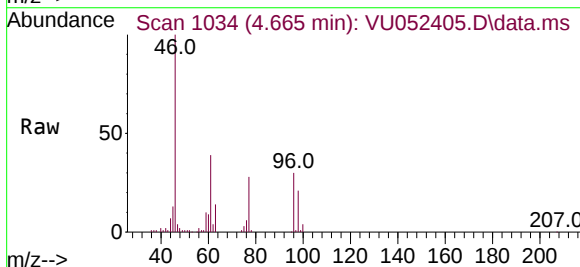
Tgt Ion: 96 Resp: 21283

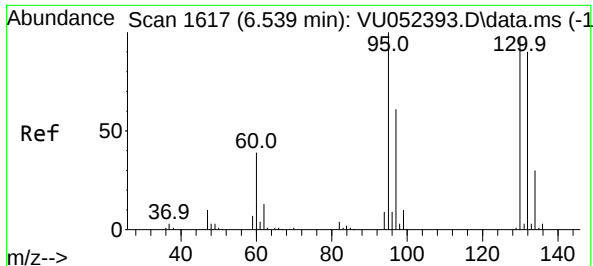
Ion Ratio Lower Upper

96 100

61 130.6 85.1 158.1

98 68.1 42.8 79.6



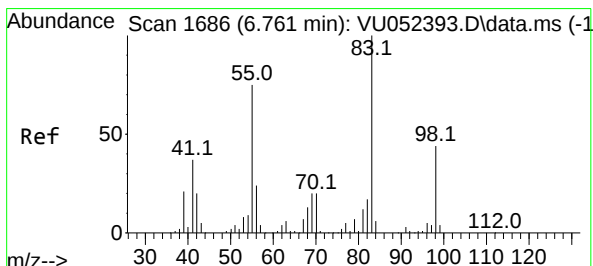
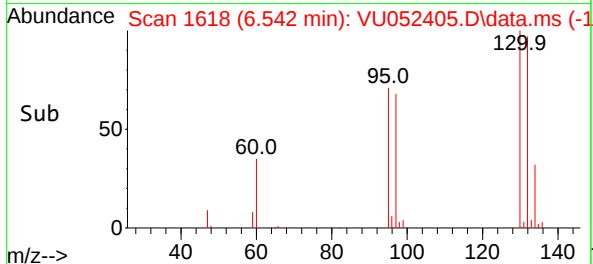
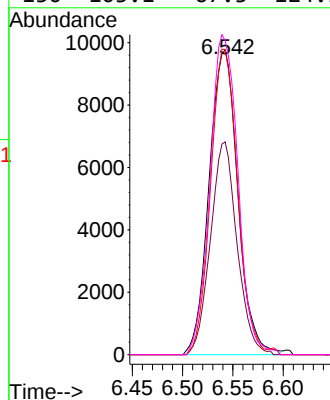
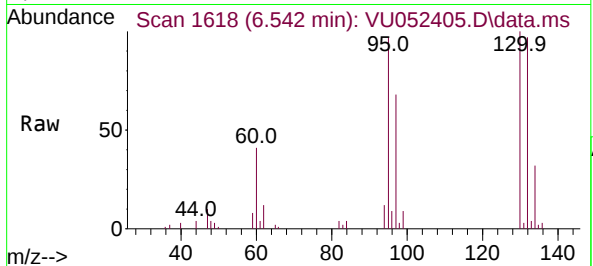


#34  
Trichloroethene  
Concen: 1.034 ug/L  
RT: 6.542 min Scan# 1617  
Delta R.T. 0.003 min  
Lab File: VU052405.D  
Acq: 14 Dec 2022 17:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGPK1

Tgt Ion: 95 Resp: 19400

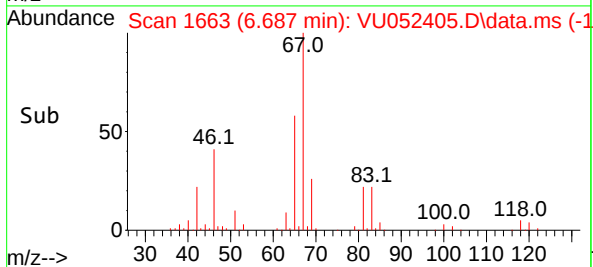
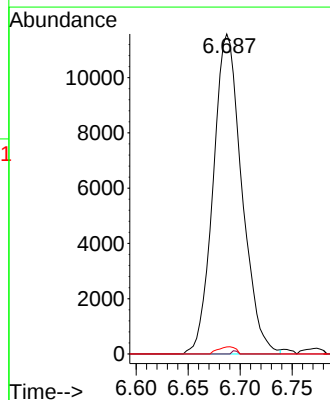
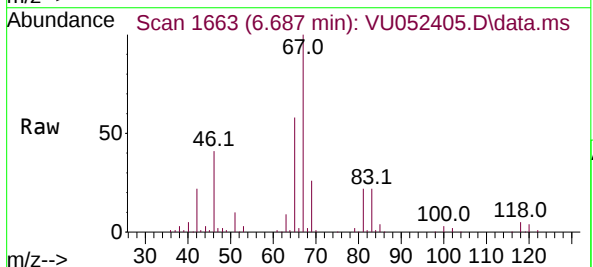
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 69.9  | 43.7  | 81.1  |
| 132 | 100.1 | 64.3  | 119.3 |
| 130 | 103.1 | 67.3  | 124.9 |

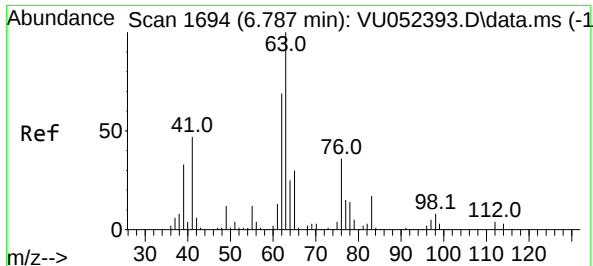


#35  
Methylcyclohexane  
Concen: 0.823 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.074 min  
Lab File: VU052405.D  
Acq: 14 Dec 2022 17:08

Tgt Ion: 83 Resp: 22229

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.2   | 60.8  | 91.2# |
| 98  | 1.4   | 35.1  | 52.7# |

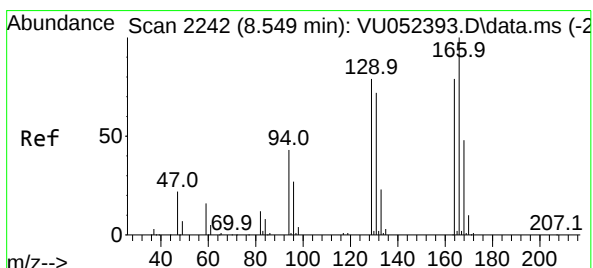
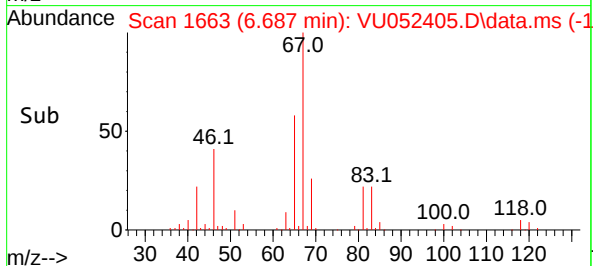
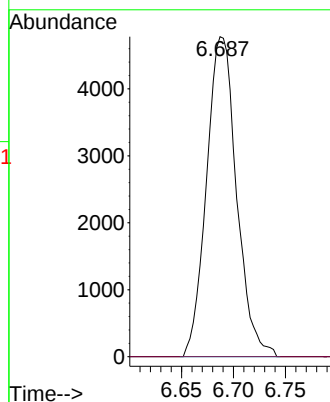
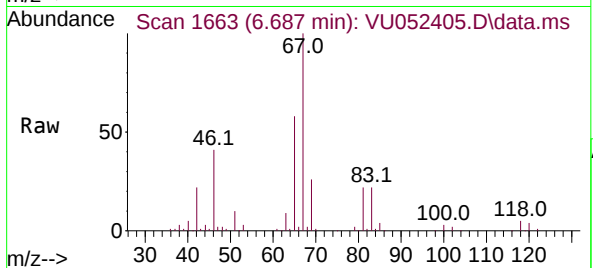




#37  
1,2-Dichloropropane  
Concen: 0.494 ug/L  
RT: 6.687 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU052405.D  
Acq: 14 Dec 2022 17:08

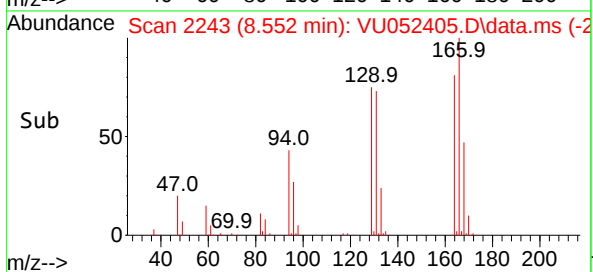
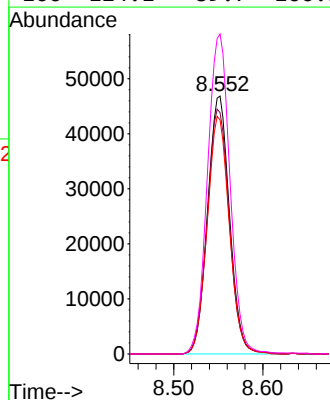
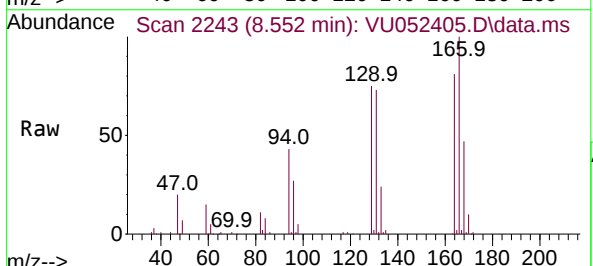
Instrument :  
MSVOA\_U  
ClientSampleId :  
BGPK1

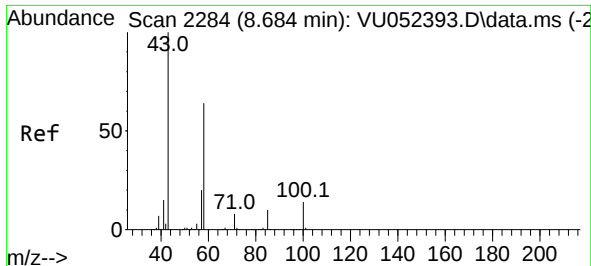
Tgt Ion: 63 Resp: 9630  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#



#47  
Tetrachloroethene  
Concen: 5.571 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.003 min  
Lab File: VU052405.D  
Acq: 14 Dec 2022 17:08

Tgt Ion: 164 Resp: 80124  
Ion Ratio Lower Upper  
164 100  
129 93.6 67.4 125.2  
131 90.7 67.1 124.7  
166 124.1 89.7 166.5

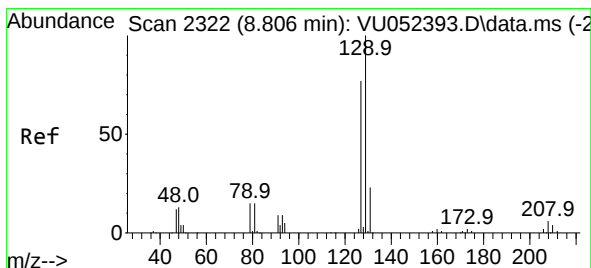
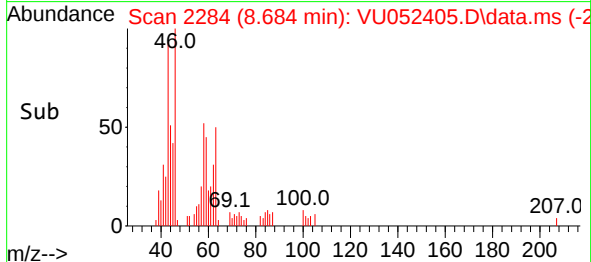
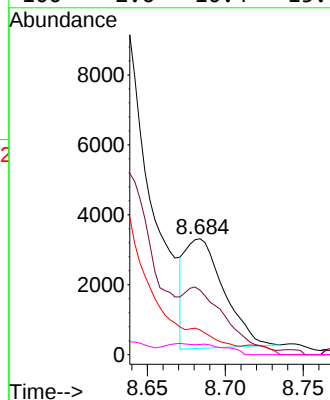
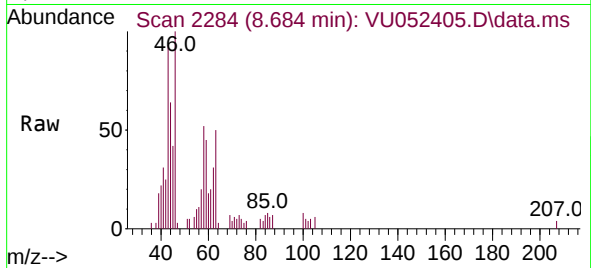




#48  
2-Hexanone  
Concen: 0.726 ug/L  
RT: 8.684 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VU052405.D  
Acq: 14 Dec 2022 17:08

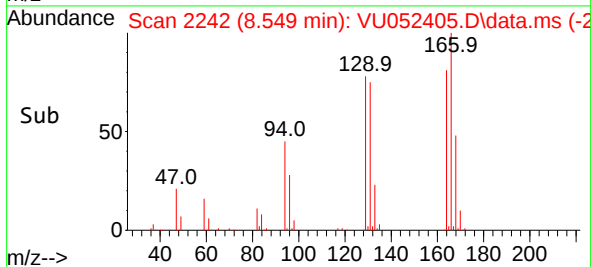
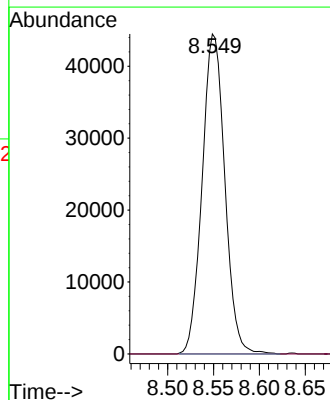
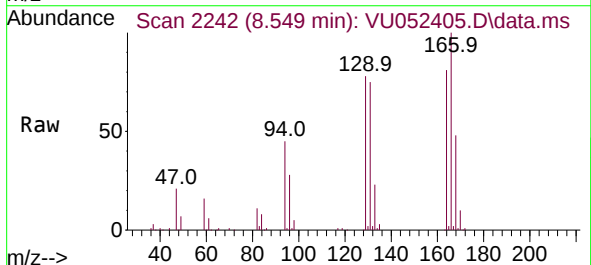
Instrument :  
MSVOA\_U  
ClientSampleId :  
BGPk1

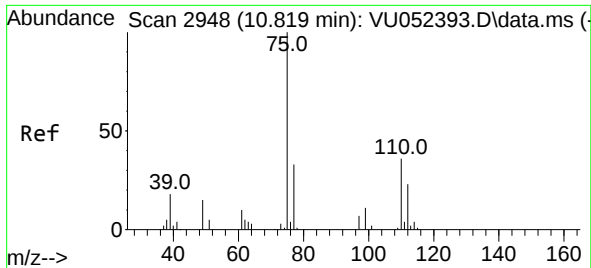
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 5418  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 59.5     | 49.4 74.0   |
| 57 0.0      | 16.3 24.5#  |
| 100 2.6     | 10.4 15.6#  |



#49  
Dibromochloromethane  
Concen: 4.668 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. -0.257 min  
Lab File: VU052405.D  
Acq: 14 Dec 2022 17:08

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 76535 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 0.0     | 52.8        | 98.2# |  |





#61  
 1,2,3-Trichloropropane  
 Concen: 1.014 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU052405.D  
 Acq: 14 Dec 2022 17:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGPK1

Tgt Ion: 75 Resp: 11013  
 Ion Ratio Lower Upper  
 75 100  
 110 1.4 28.3 42.5#  
 77 32.8 26.2 39.2

