

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041222\  
 Data File : VU047984.D  
 Acq On : 13 Apr 2022 02:19  
 Operator : SY/MD  
 Sample : N2345-17 100X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 13 04:53:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 13 04:40:51 2022  
 Response via : Initial Calibration

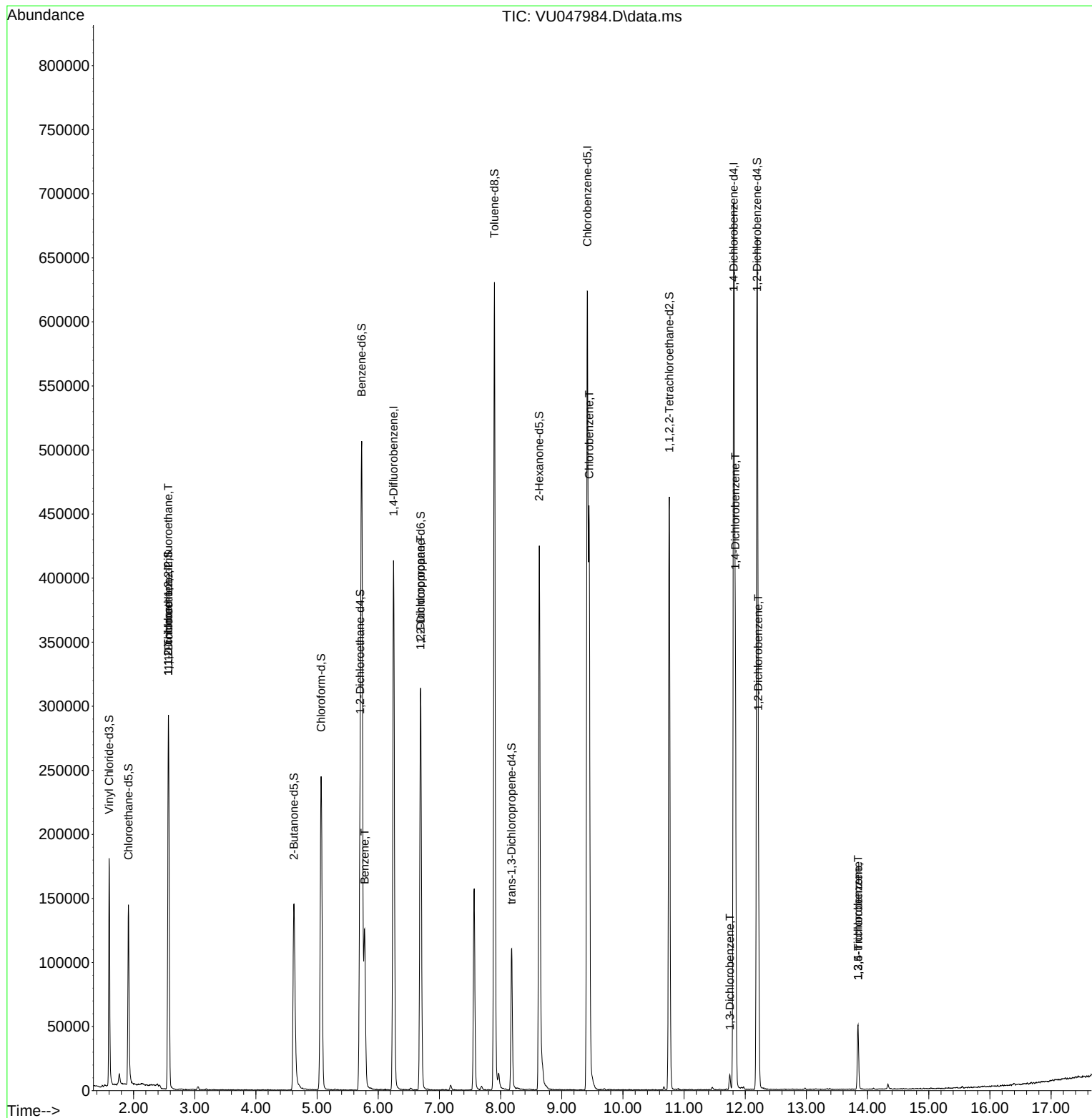
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 355644              | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 363296              | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 191445              | 50.000 | ug/L   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 130311              | 50.528 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 101.060% |        |        |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 111646              | 54.902 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 109.800% |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.568          | 63   | 165166              | 35.004 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 70.000%  |        |        |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 213556              | 96.474 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 96.470%  |        |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 230843              | 48.919 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 97.840%  |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 150558              | 52.021 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 104.040% |        |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 476746              | 52.152 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 104.300% |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 153588              | 54.707 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 109.420% |        |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 423802              | 47.583 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 95.160%  |        |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 63182               | 44.422 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 88.840%  |        |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 153119              | 93.167 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 93.170%  |        |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 228620              | 47.451 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 94.900%  |        |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 178958              | 52.542 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 105.080% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568          | 101  | 1664                | 0.635  | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.571          | 96   | 1420                | 0.582  | ug/L # | 1        |
| 33) Benzene                   | 5.777          | 78   | 116777              | 11.105 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.690          | 63   | 15765               | 5.897  | ug/L # | 87       |
| 51) Chlorobenzene             | 9.449          | 112  | 247166              | 31.549 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.748         | 146  | 5661                | 0.984  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.838         | 146  | 140751              | 23.629 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214         | 146  | 66044               | 11.477 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.844         | 180  | 17533               | 3.754  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.844         | 180  | 17533               | 4.286  | ug/L   | 96       |
| -----                         |                |      |                     |        |        |          |

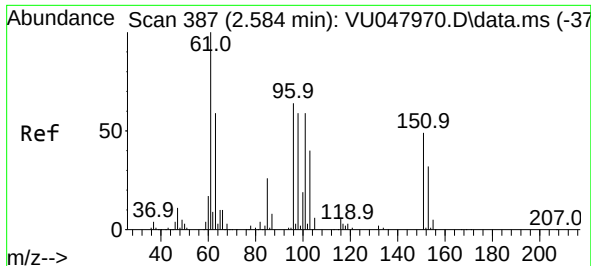
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041222\  
Data File : VU047984.D  
Acq On : 13 Apr 2022 02:19  
Operator : SY/MD  
Sample : N2345-17 100X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

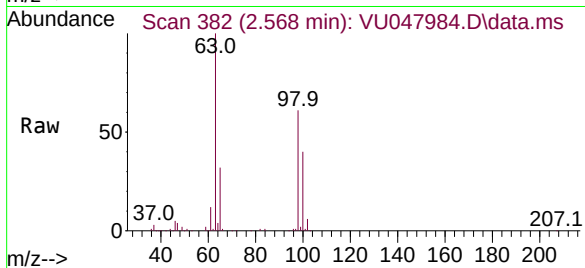
Quant Time: Apr 13 04:53:26 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 13 04:40:51 2022  
Response via : Initial Calibration



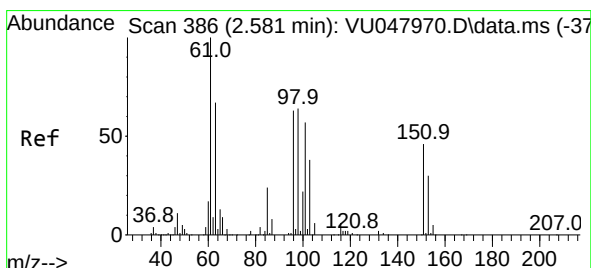
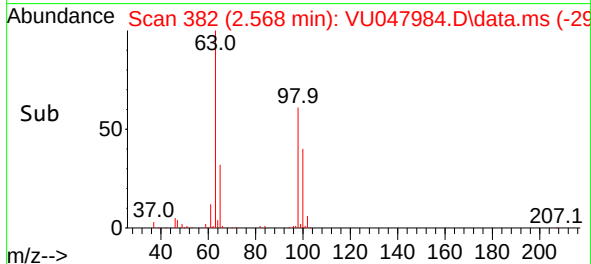
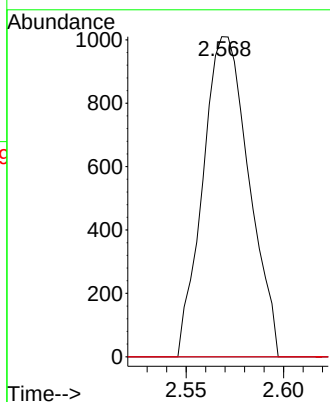


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.635 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU047984.D  
 Acq: 13 Apr 2022 02:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :

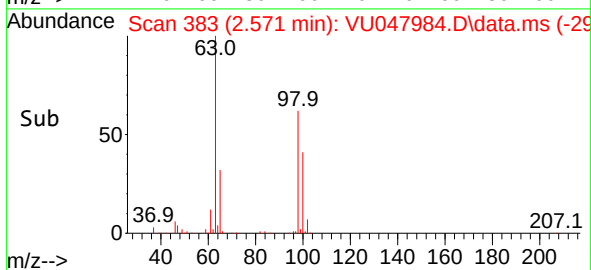
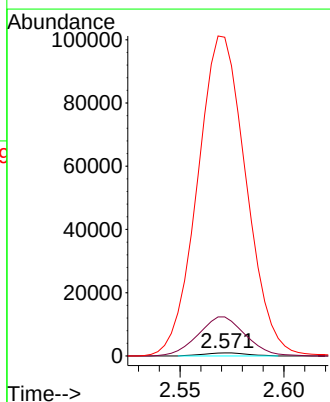
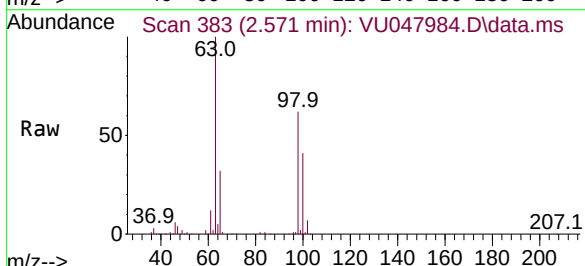


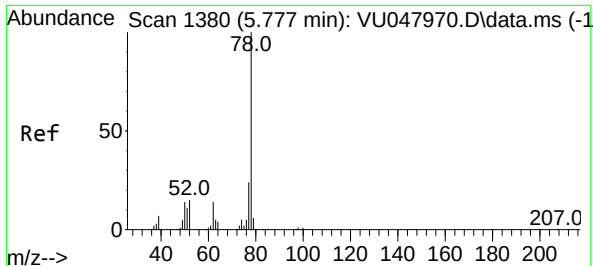
Tgt Ion:101 Resp: 1664  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 0.0 63.0 94.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.582 ug/L  
 RT: 2.571 min Scan# 383  
 Delta R.T. -0.010 min  
 Lab File: VU047984.D  
 Acq: 13 Apr 2022 02:19

Tgt Ion: 96 Resp: 1420  
 Ion Ratio Lower Upper  
 96 100  
 61 1279.3 113.1 210.1#  
 63 10431.5 94.8 176.0#

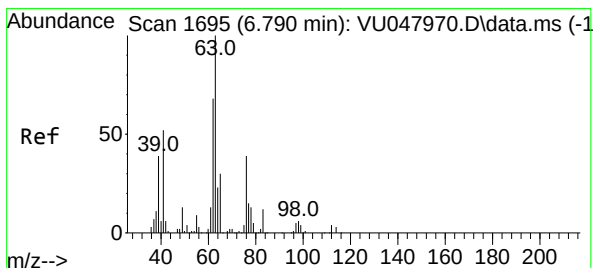
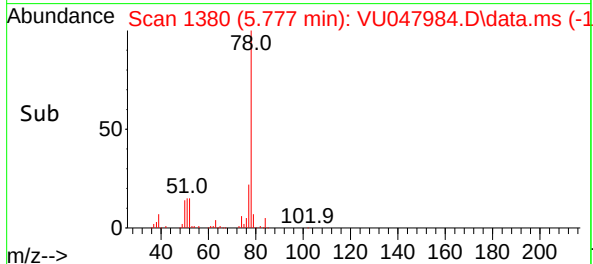
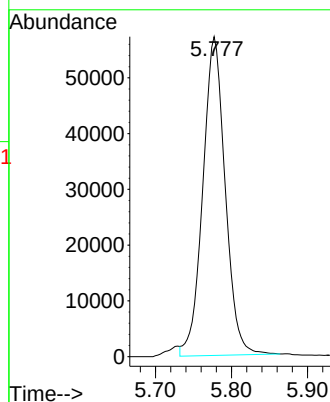
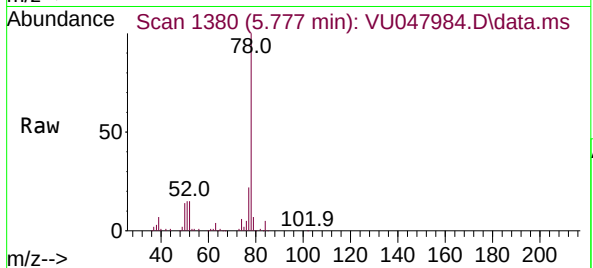




#33  
Benzene  
Concen: 11.105 ug/L  
RT: 5.777 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047984.D  
Acq: 13 Apr 2022 02:19

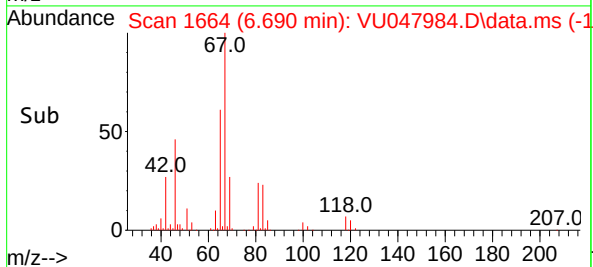
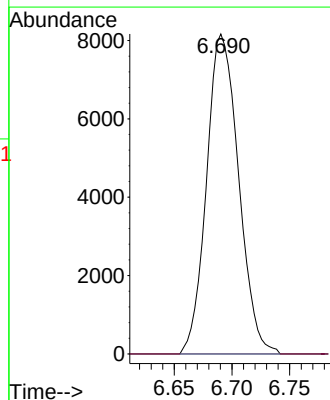
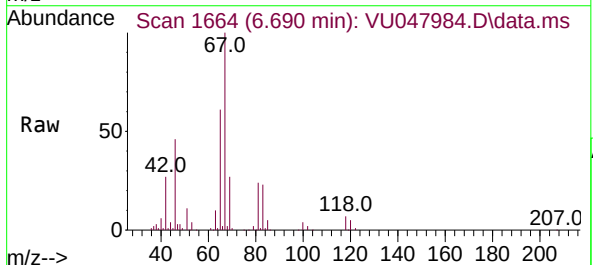
Instrument :  
MSVOA\_U  
ClientSampleId :

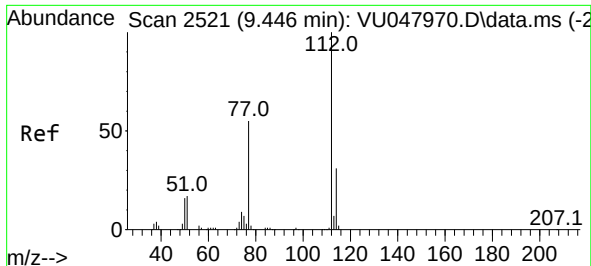
Tgt Ion: 78 Resp: 116777



#37  
1,2-Dichloropropane  
Concen: 5.897 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.100 min  
Lab File: VU047984.D  
Acq: 13 Apr 2022 02:19

Tgt Ion: 63 Resp: 15765  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#

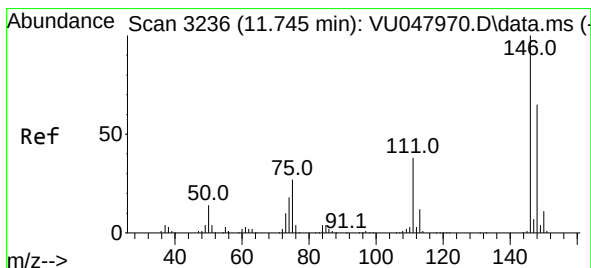
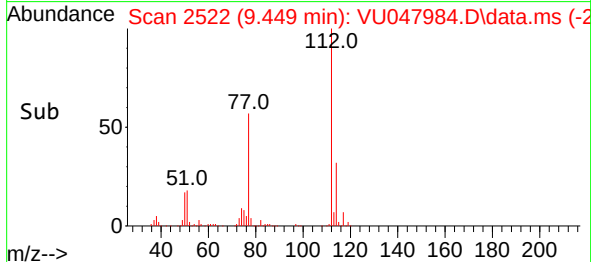
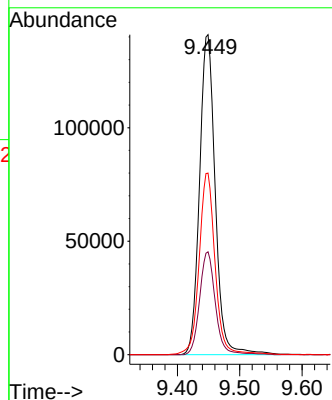
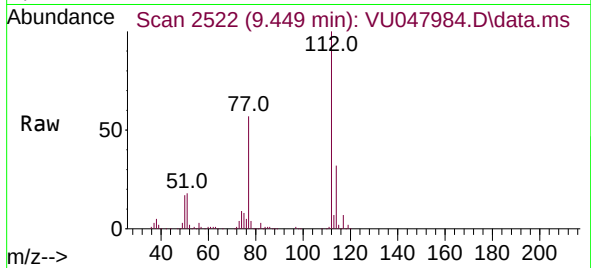




#51  
Chlorobenzene  
Concen: 31.549 ug/L  
RT: 9.449 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU047984.D  
Acq: 13 Apr 2022 02:19

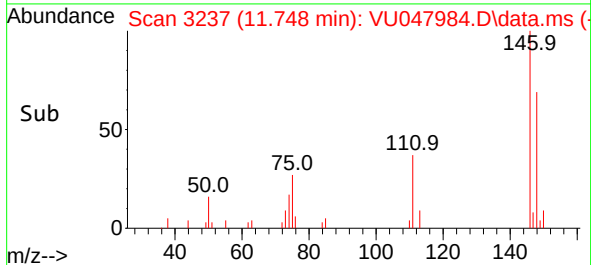
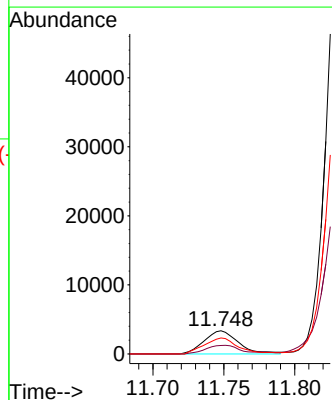
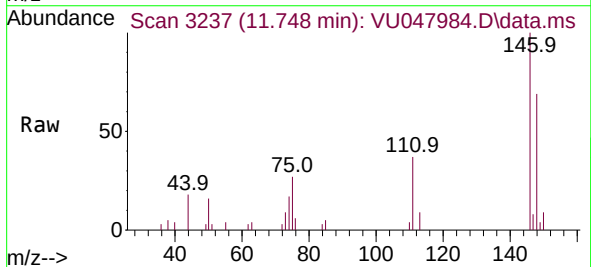
Instrument :  
MSVOA\_U  
ClientSampleId :

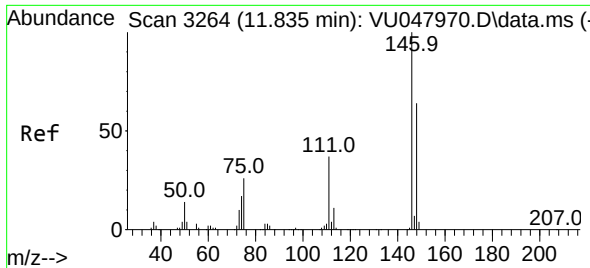
Tgt Ion:112 Resp: 247166  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.1 41.1  
77 56.8 43.4 65.0



#64  
1,3-Dichlorobenzene  
Concen: 0.984 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.003 min  
Lab File: VU047984.D  
Acq: 13 Apr 2022 02:19

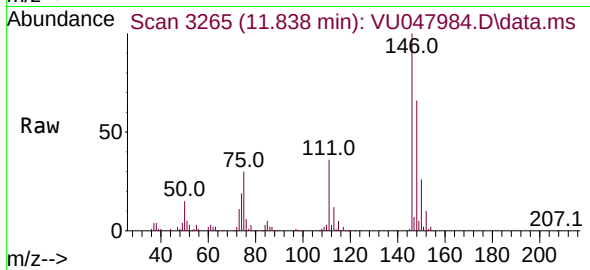
Tgt Ion:146 Resp: 5661  
Ion Ratio Lower Upper  
146 100  
111 33.8 26.7 49.7  
148 63.3 44.4 82.5



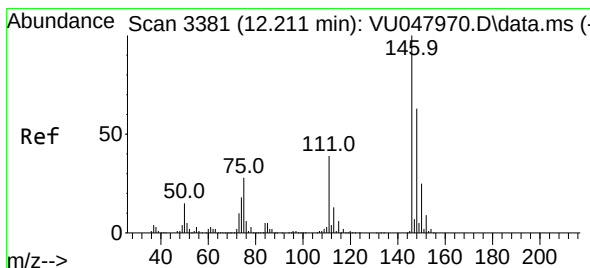
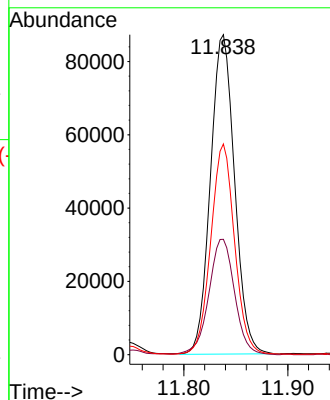
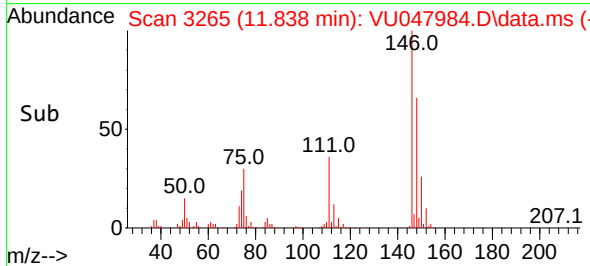


#65  
1,4-Dichlorobenzene  
Concen: 23.629 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU047984.D  
Acq: 13 Apr 2022 02:19

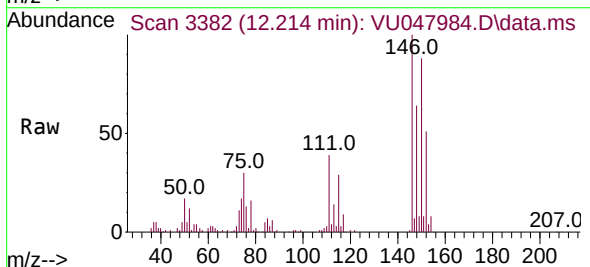
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MSVOA\_U  
ClientSampleId :



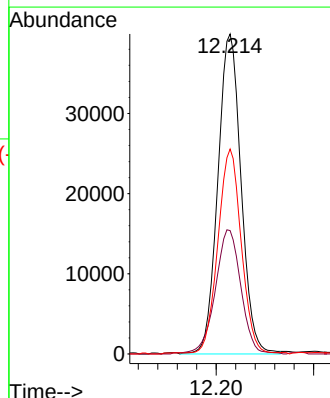
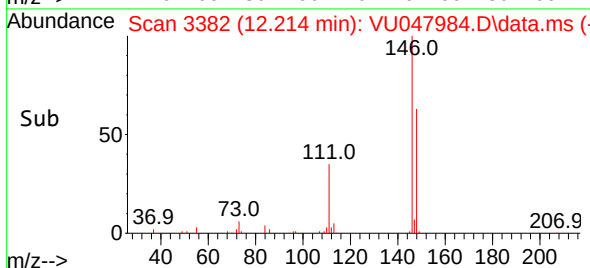
Tgt Ion:146 Resp: 140751  
Ion Ratio Lower Upper  
146 100  
111 36.1 25.3 47.1  
148 65.8 44.5 82.7

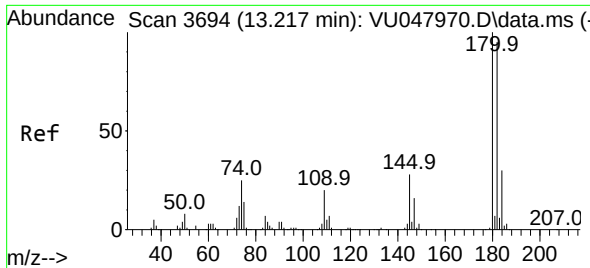


#67  
1,2-Dichlorobenzene  
Concen: 11.477 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.003 min  
Lab File: VU047984.D  
Acq: 13 Apr 2022 02:19



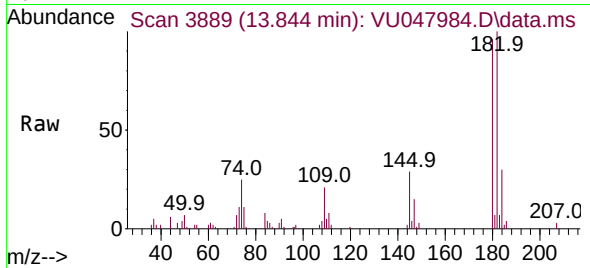
Tgt Ion:146 Resp: 66044  
Ion Ratio Lower Upper  
146 100  
111 38.6 31.7 47.5  
148 64.1 51.4 77.2



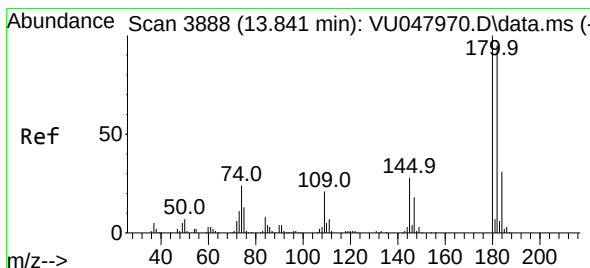
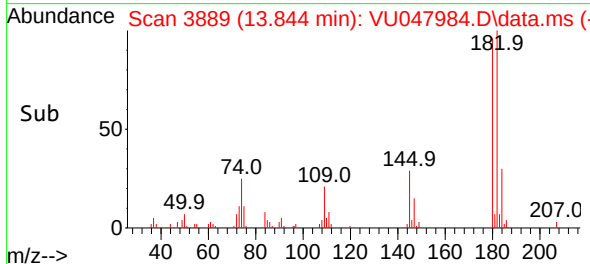
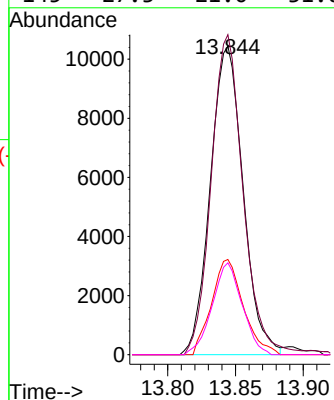


#69  
 1,3,5-Trichlorobenzene  
 Concen: 3.754 ug/L  
 RT: 13.844 min Scan# 3889  
 Delta R.T. 0.627 min  
 Lab File: VU047984.D  
 Acq: 13 Apr 2022 02:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion:180 Resp: 17533  
 Ion Ratio Lower Upper  
 180 100  
 182 100.5 77.0 115.6  
 184 29.9 24.5 36.7  
 145 27.3 21.0 31.6



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.286 ug/L  
 RT: 13.844 min Scan# 3889  
 Delta R.T. 0.003 min  
 Lab File: VU047984.D  
 Acq: 13 Apr 2022 02:19

Tgt Ion:180 Resp: 17533  
 Ion Ratio Lower Upper  
 180 100  
 182 100.5 76.2 114.2  
 145 27.3 21.8 32.8

