

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\  
 Data File : VU040574.D  
 Acq On : 08 Oct 2020 20:13  
 Operator : SY/MD  
 Sample : L4286-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AW2

Quant Time: Oct 09 02:05:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 09 01:55:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 130386   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 132490   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 56914    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 54833    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.40% |
| 7) Chloroethane-d5             | 1.92   | 69    | 43623    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 81814    | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.40%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 188704   | 54.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.16% |
| 24) Chloroform-d               | 5.08   | 84    | 97223    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 59284    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.60% |
| 32) Benzene-d6                 | 5.74   | 84    | 185298   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.80% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 61743    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 153715   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 24519    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 135986   | 52.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.02% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 52057    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 59159    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 112.20% |

## Target Compounds

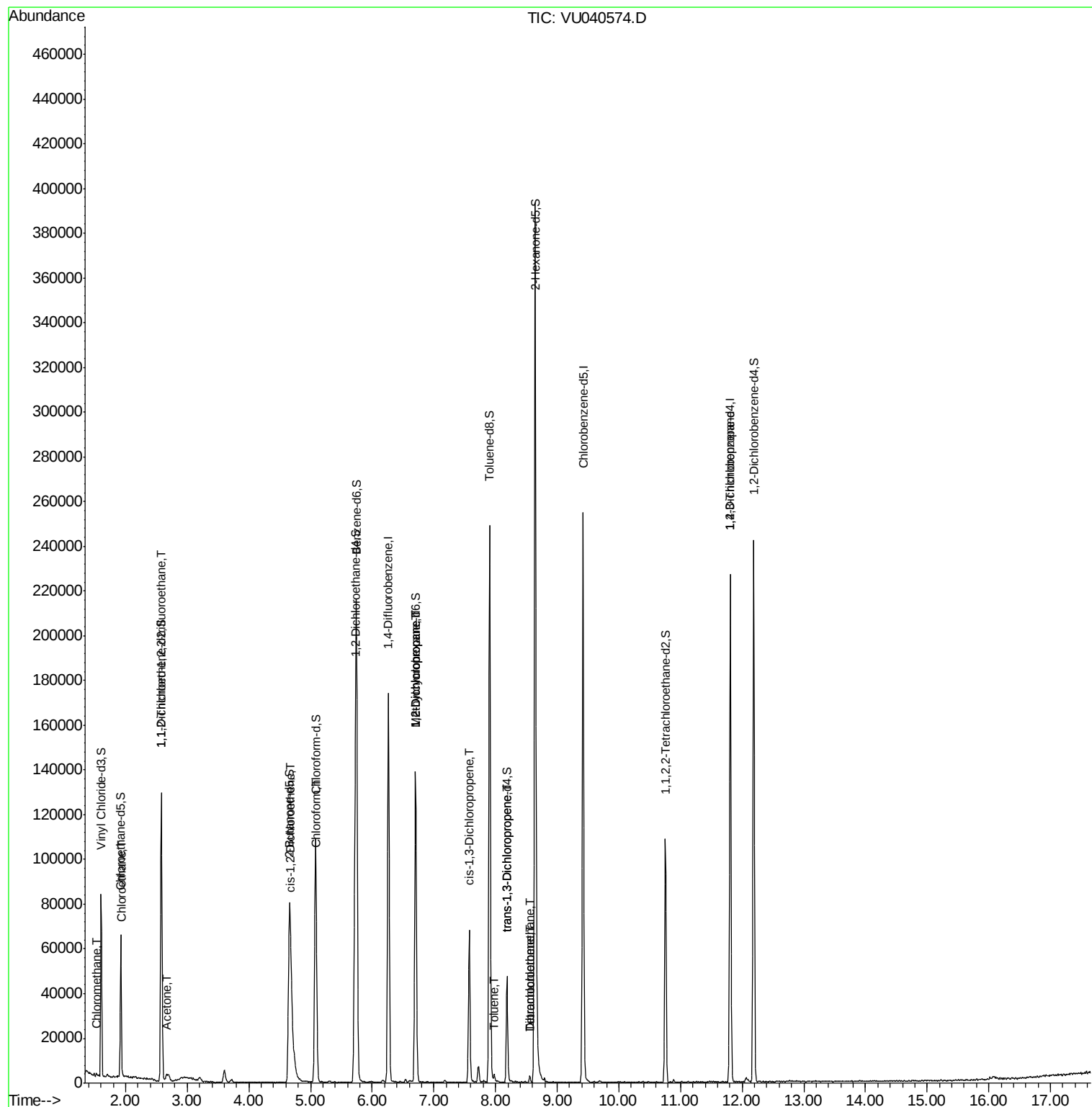
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.53  | 50  | 1292  | 0.117 ug/L   | 95     |
| 8) Chloroethane                | 1.94  | 64  | 241   | 0.033 ug/L # | 41     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.58  | 101 | 702   | 0.065 ug/L # | 20     |
| 13) Acetone                    | 2.67  | 43  | 5840  | 2.179 ug/L   | 76     |
| 22) cis-1,2-Dichloroethene     | 4.69  | 96  | 773   | 0.074 ug/L   | 90     |
| 25) Chloroform                 | 5.10  | 83  | 1475  | 0.072 ug/L # | 72     |
| 35) Methylcyclohexane          | 6.70  | 83  | 14347 | 0.917 ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.70  | 63  | 7054  | 0.595 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.57  | 75  | 1951  | 0.120 ug/L # | 64     |
| 42) Toluene                    | 7.98  | 91  | 1885  | 0.043 ug/L   | 85     |
| 44) trans-1,3-Dichloropropene  | 8.18  | 75  | 1325  | 0.089 ug/L   | 93     |
| 47) Tetrachloroethene          | 8.56  | 164 | 658   | 0.084 ug/L # | 77     |
| 49) Dibromochloromethane       | 8.56  | 129 | 615   | 0.060 ug/L # | 9      |
| 59) 1,2,3-Trichloropropane     | 11.81 | 75  | 7938  | 0.911 ug/L   | 91     |

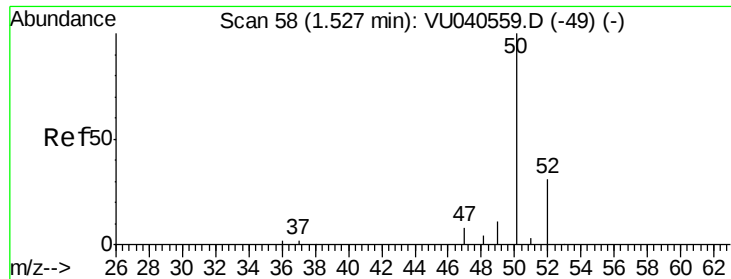
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100820\  
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Acq On : 08 Oct 2020 20:13  
Operator : SY/MD  
Sample : L4286-14  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Oct 09 02:05:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 09 01:55:27 2020  
Response via : Initial Calibration

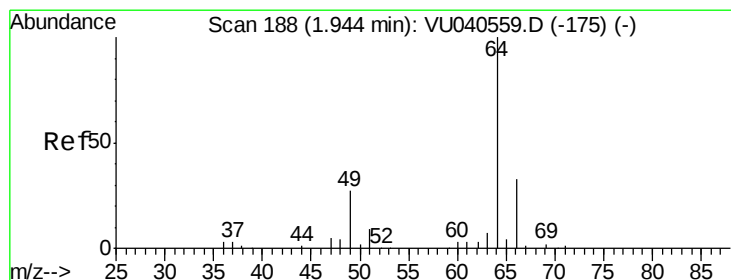
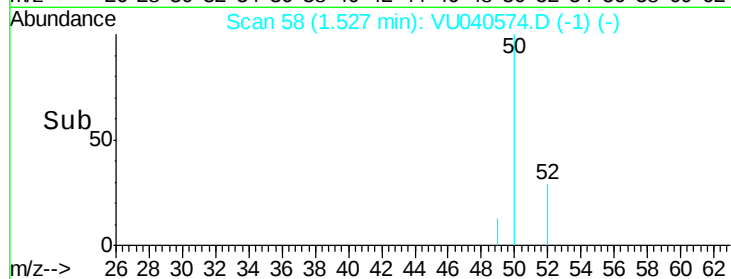
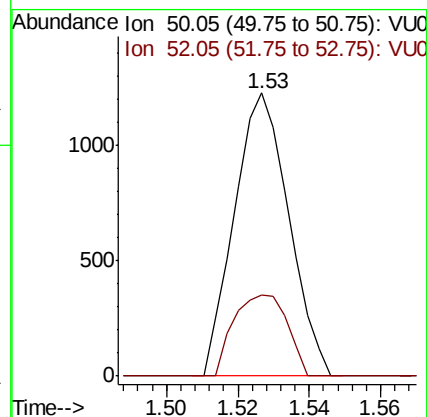
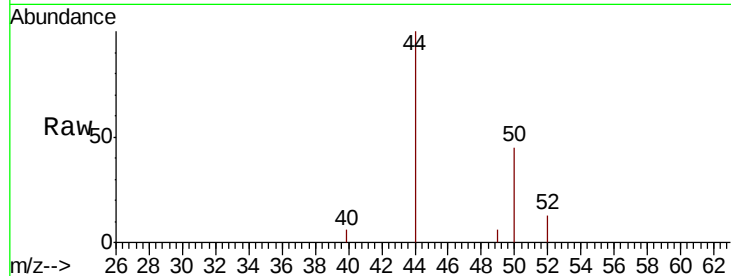




#3  
Chloromethane  
Concen: 0.117 ug/L  
RT: 1.53 min Scan# 58  
Delta R.T. 0.00 min  
Lab File: VU040574.D  
Acq: 08 Oct 2020 20:13

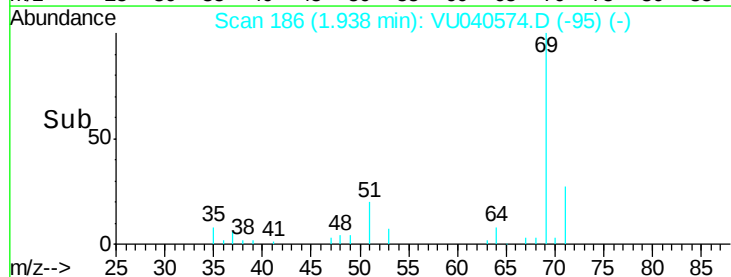
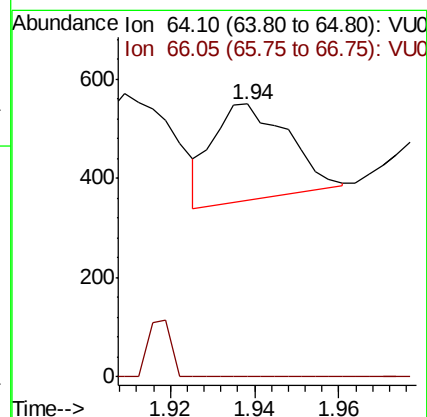
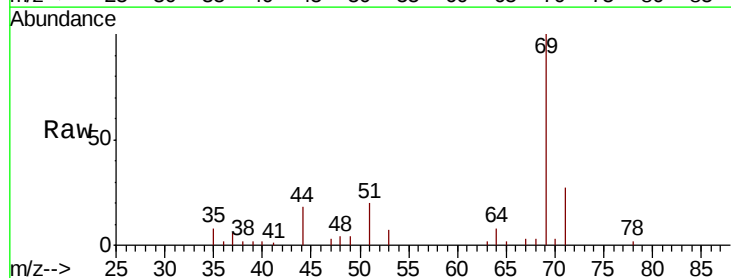
Instrument :  
MSVOA\_U  
ClientSampled :  
C0AW2

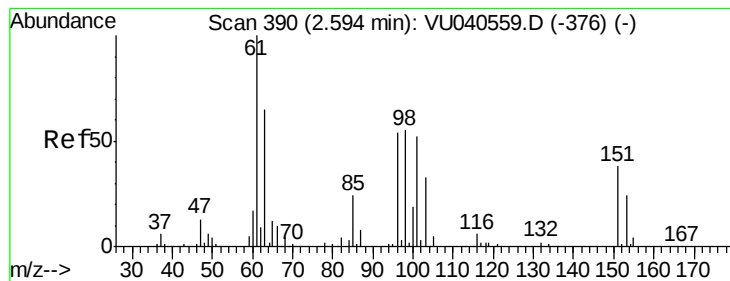
Tot Ion: 50 Resp: 1292  
Ion Ratio Lower Upper  
50 100  
52 28.6 21.9 40.7



#8  
Chloroethane  
Concen: 0.033 ug/L  
RT: 1.94 min Scan# 186  
Delta R.T. -0.01 min  
Lab File: VU040574.D  
Acq: 08 Oct 2020 20:13

Tgt Ion: 64 Resp: 241  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.3 43.3#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.065 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040574.D

Acq: 08 Oct 2020 20:13

Instrument :

MSVOA\_U

ClientSampled :

C0AW2

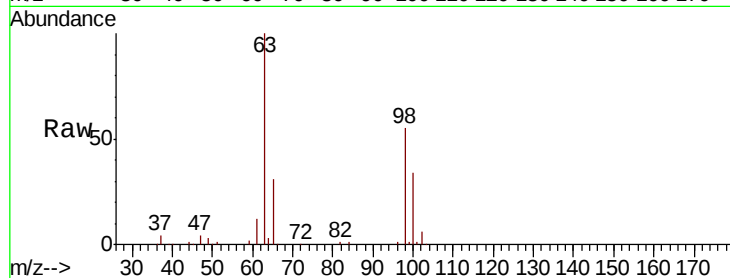
Tot Ion:101 Resp: 702

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

400

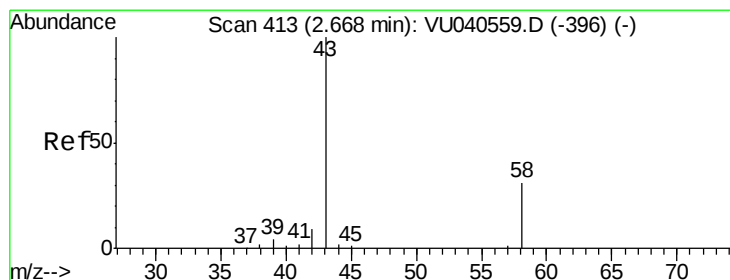
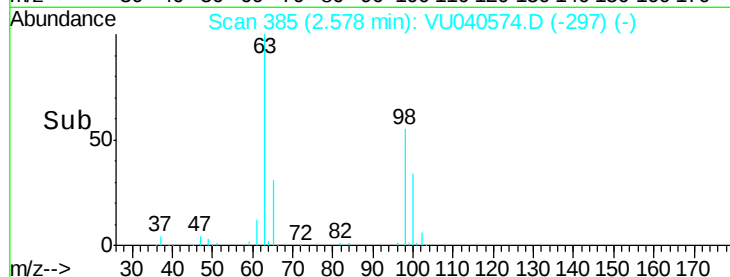
300

200

100

0

Time--> 2.54 2.56 2.58 2.60 2.62



#13

Acetone

Concen: 2.179 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040574.D

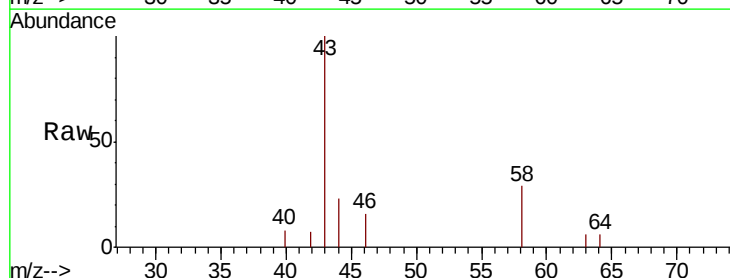
Acq: 08 Oct 2020 20:13

Tgt Ion: 43 Resp: 5840

Ion Ratio Lower Upper

43 100

58 17.4 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

2000

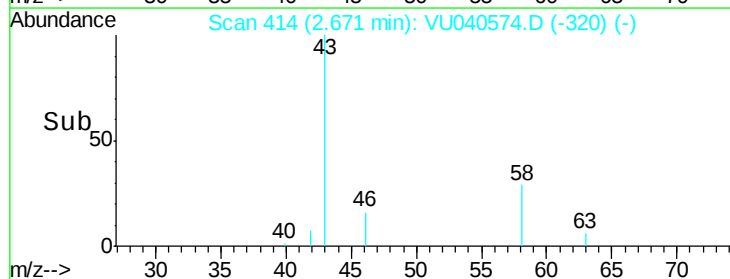
1500

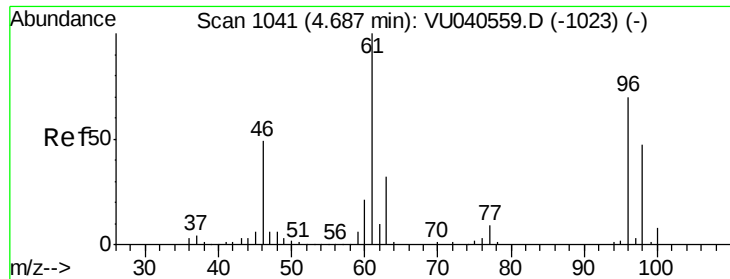
1000

500

0

Time--> 2.60 2.65 2.70

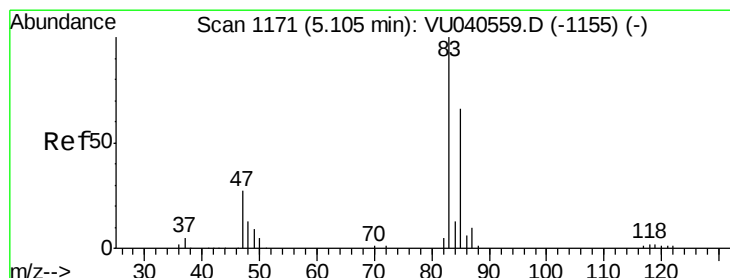
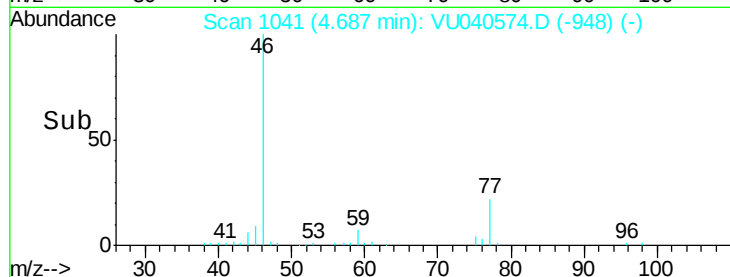
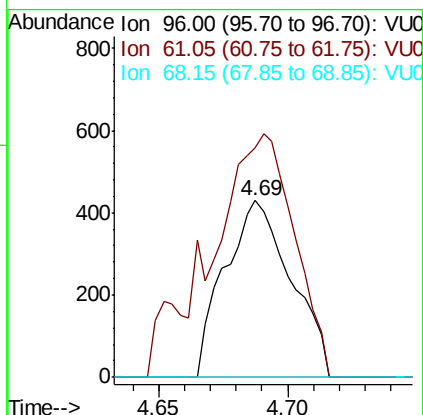
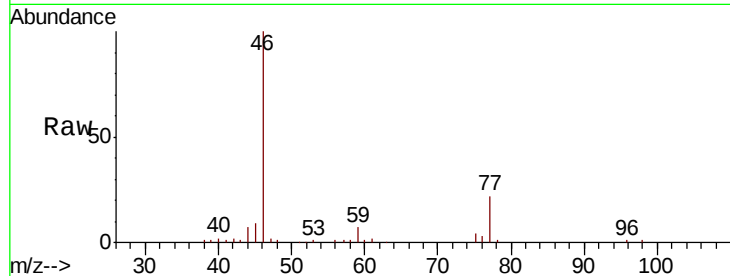




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.074 ug/L  
 RT: 4.69 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: VU040574.D  
 Acq: 08 Oct 2020 20:13

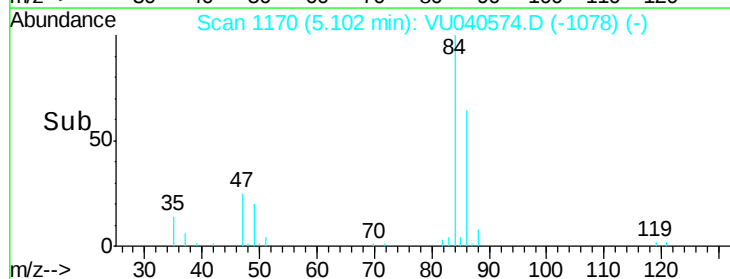
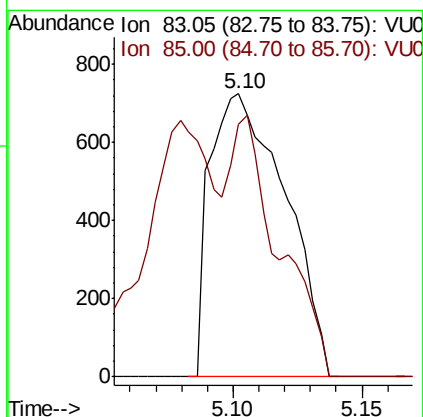
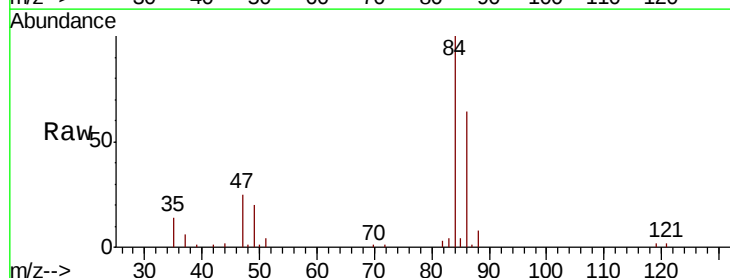
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AW2

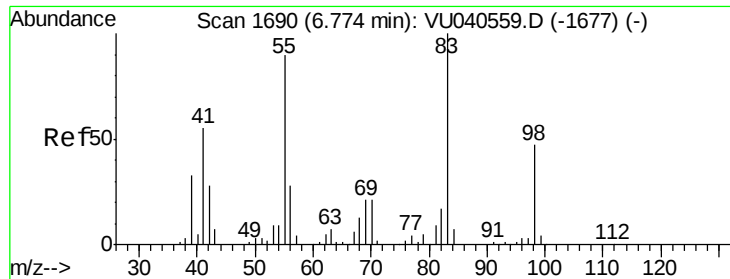
Tot Ion: 96 Resp: 773  
 Ion Ratio Lower Upper  
 96 100  
 61 130.1 99.8 185.4  
 68 0.0 0.0 0.0



#25  
 Chloroform  
 Concen: 0.072 ug/L  
 RT: 5.10 min Scan# 1170  
 Delta R.T. -0.00 min  
 Lab File: VU040574.D  
 Acq: 08 Oct 2020 20:13

Tgt Ion: 83 Resp: 1475  
 Ion Ratio Lower Upper  
 83 100  
 85 89.2 46.5 86.5#

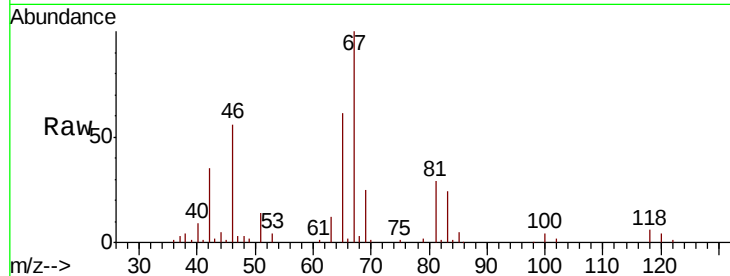




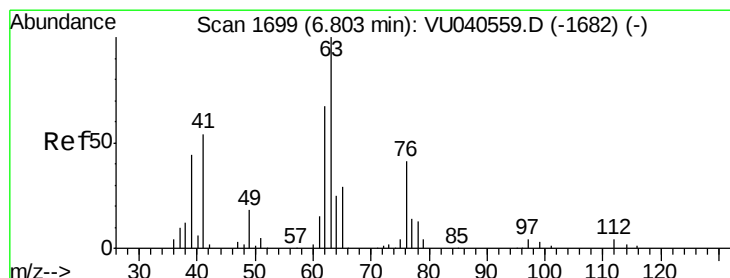
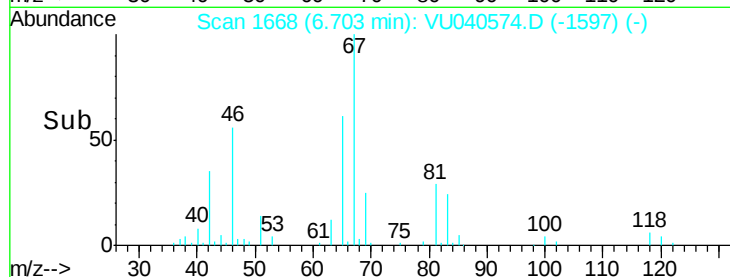
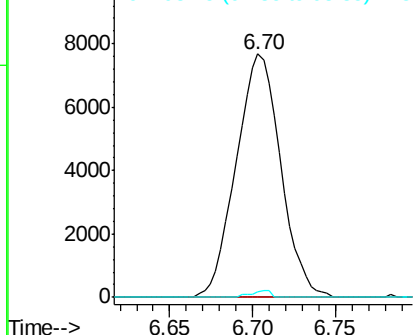
#35  
Methvlcvclohexane  
Concen: 0.917 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040574.D  
Acq: 08 Oct 2020 20:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AW2

Tot Ion: 83 Resp: 14347  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.7 106.1#  
98 1.2 38.4 57.6#

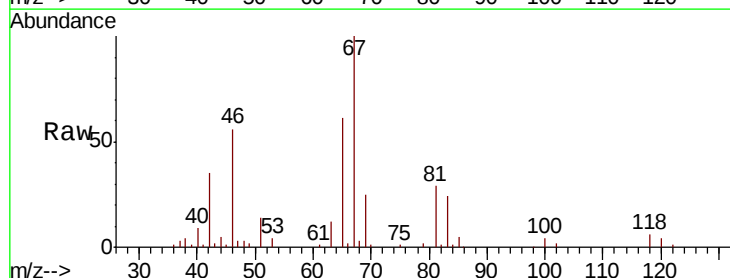


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

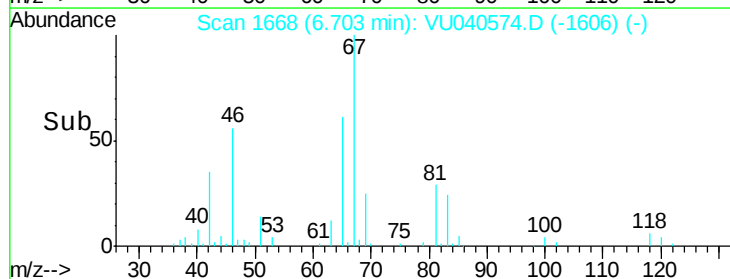
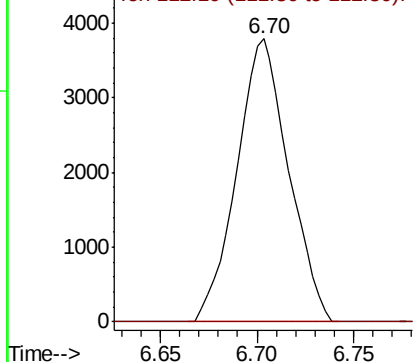


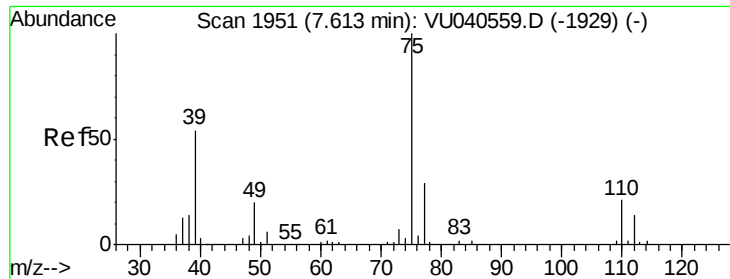
#37  
1,2-Dichloropropane  
Concen: 0.595 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU040574.D  
Acq: 08 Oct 2020 20:13

Tgt Ion: 63 Resp: 7054  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

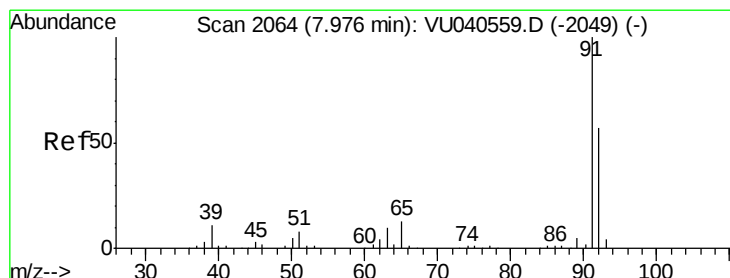
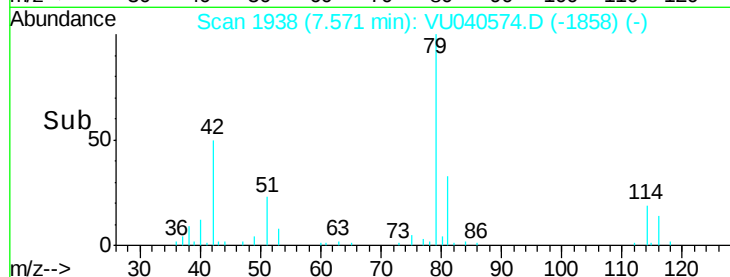
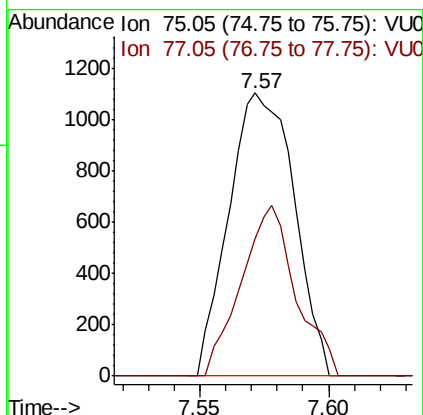
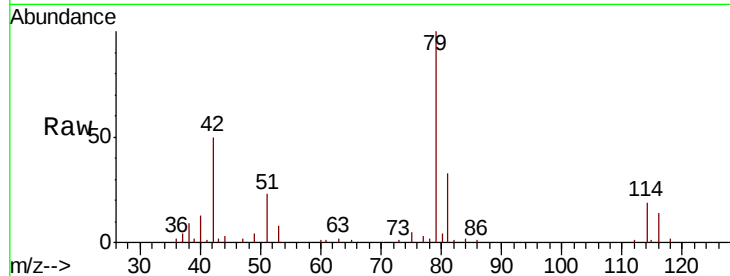




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.120 ug/L  
 RT: 7.57 min Scan# 1938  
 Delta R.T. -0.04 min  
 Lab File: VU040574.D  
 Acq: 08 Oct 2020 20:13

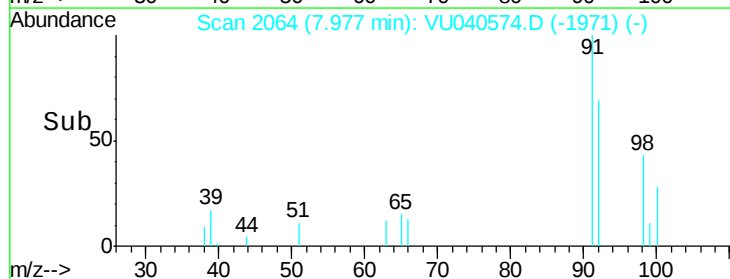
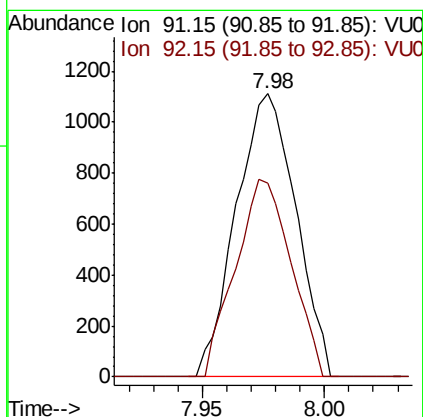
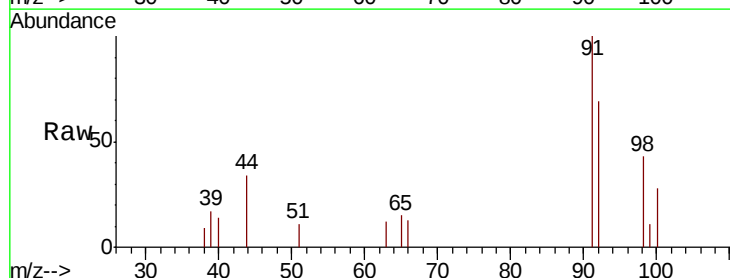
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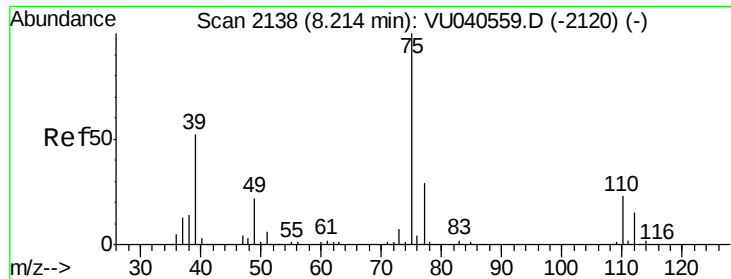
Tot Ion: 75 Resp: 1951  
 Ion Ratio Lower Upper  
 75 100  
 77 48.4 20.5 38.1#



#42  
 Toluene  
 Concen: 0.043 ug/L  
 RT: 7.98 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VU040574.D  
 Acq: 08 Oct 2020 20:13

Tgt Ion: 91 Resp: 1885  
 Ion Ratio Lower Upper  
 91 100  
 92 68.7 40.2 74.6

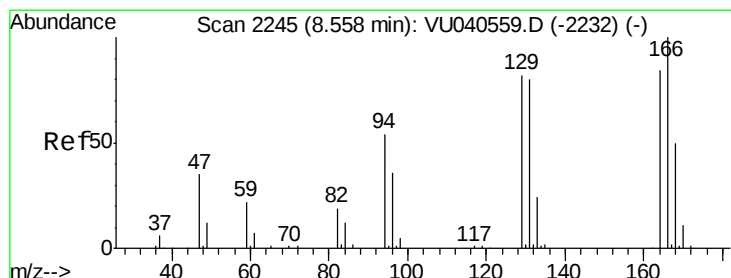
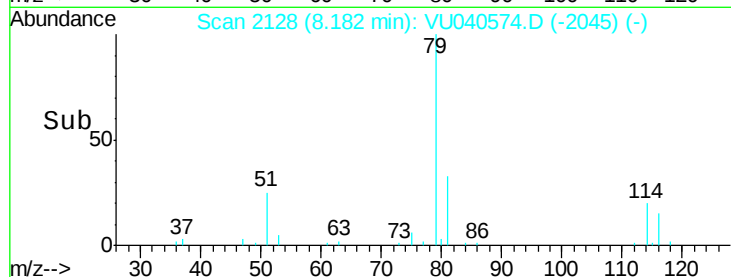
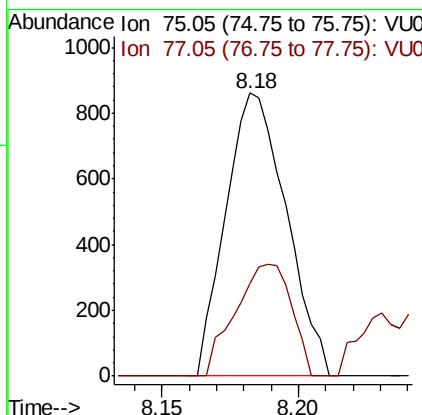
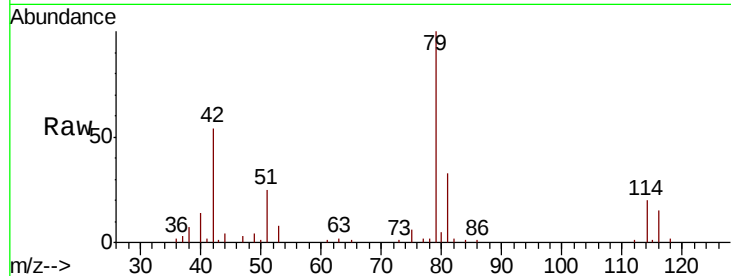




#44  
trans-1,3-Dichloropropene  
Concen: 0.089 ug/L  
RT: 8.18 min Scan# 2128  
Delta R.T. -0.03 min  
Lab File: VU040574.D  
Acq: 08 Oct 2020 20:13

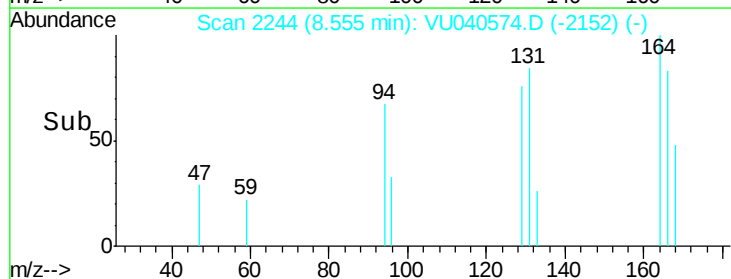
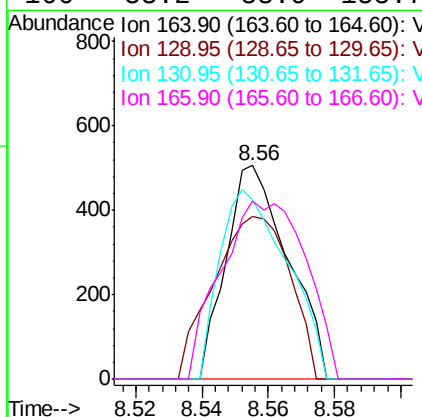
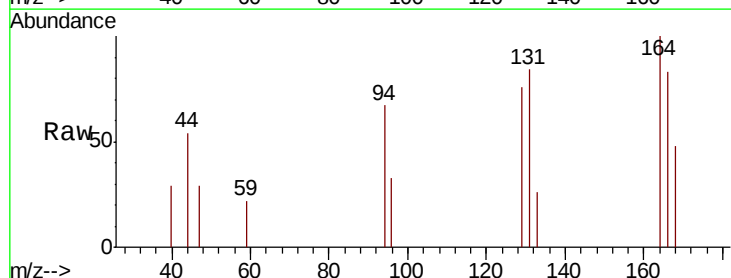
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AW2

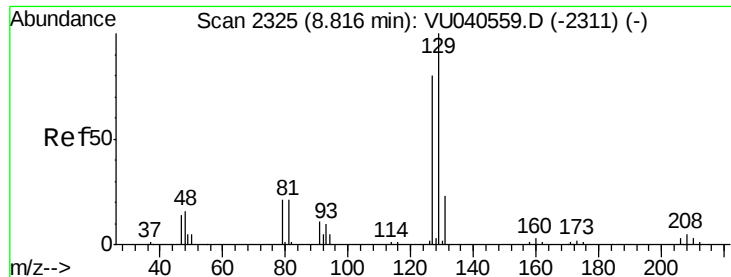
Tot Ion: 75 Resp: 1325  
Ion Ratio Lower Upper  
75 100  
77 32.9 20.4 38.0



#47  
Tetrachloroethene  
Concen: 0.084 ug/L  
RT: 8.56 min Scan# 2244  
Delta R.T. -0.00 min  
Lab File: VU040574.D  
Acq: 08 Oct 2020 20:13

Tgt Ion: 164 Resp: 658  
Ion Ratio Lower Upper  
164 100  
129 76.1 68.8 127.8  
131 84.0 66.7 123.9  
166 83.2 83.9 155.7#





#49

Dibromochloromethane

Concen: 0.060 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040574.D

Acq: 08 Oct 2020 20:13

Instrument :

MSVOA\_U

ClientSampleId :

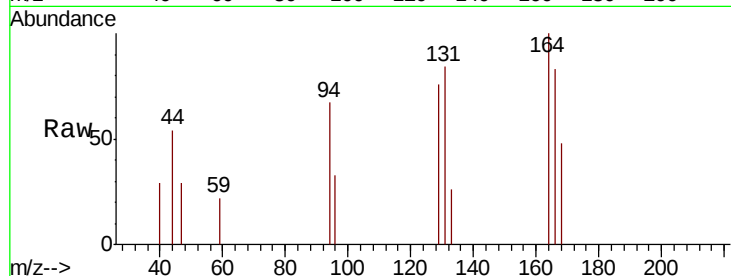
C0AW2

Tot Ion:129 Resp: 615

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

400

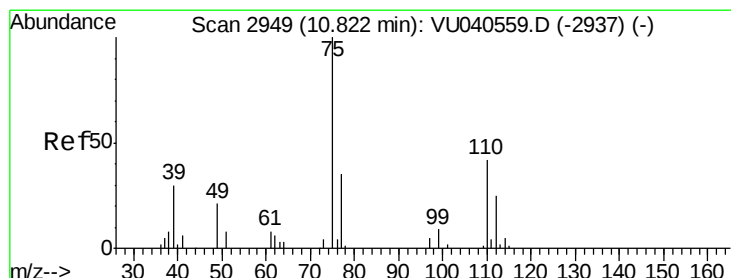
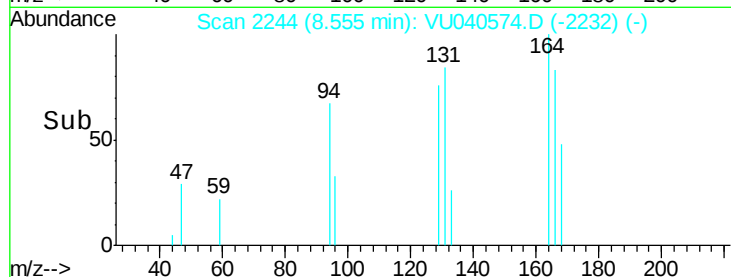
300

200

100

0

Time--> 8.52 8.54 8.56 8.58



#59

1,2,3-Trichloropropane

Concen: 0.911 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040574.D

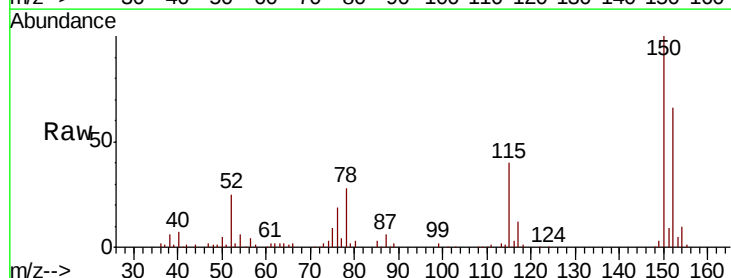
Acq: 08 Oct 2020 20:13

Tgt Ion: 75 Resp: 7938

Ion Ratio Lower Upper

75 100

77 37.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

