

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\  
 Data File : VU039927.D  
 Acq On : 21 Aug 2020 14:26  
 Operator : SY/MD  
 Sample : L3776-01 100X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4Y00

Quant Time: Aug 22 00:47:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 22 00:45:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 81397    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 82815    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 36531    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 28786    | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 26475    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 37680    | 2.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 54.80%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 103299   | 45.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 90.92%  |
| 24) Chloroform-d               | 5.08   | 84    | 58064    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 33086    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.00%  |
| 32) Benzene-d6                 | 5.74   | 84    | 109823   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 33670    | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 82.80%  |
| 41) Toluene-d8                 | 7.91   | 98    | 90215    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 14850    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 78870    | 45.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 30921    | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 85.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 36861    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.20% |

## Target Compounds

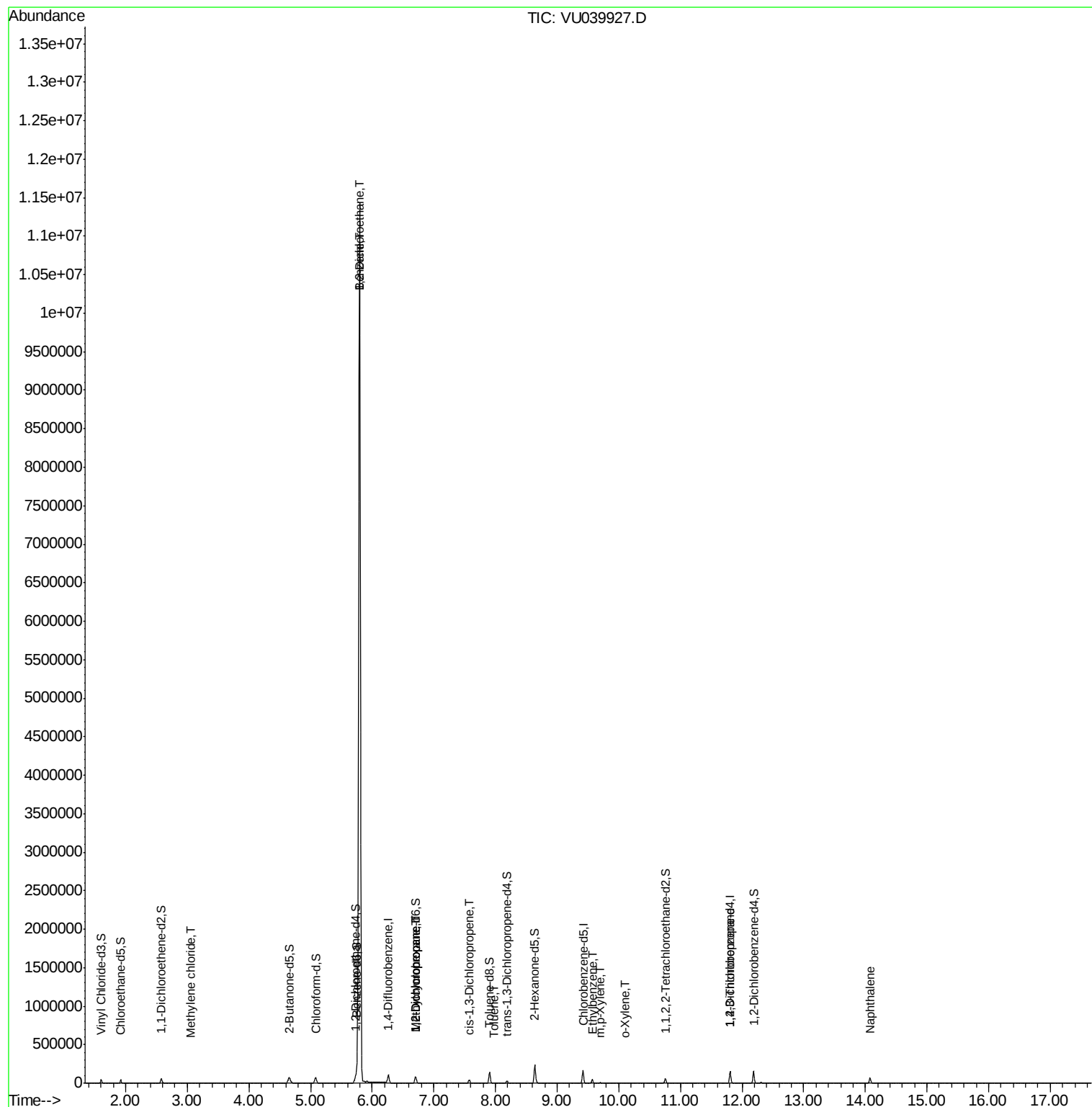
| Target Compounds            | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|-----------------------------|-------|------|----------|---------|--------|--------|
| 16) Methylene chloride      | 3.06  | 84   | 1526     | 0.156   | ug/L   | 78     |
| 27) 1,2-Dichloroethane      | 5.80  | 62   | 97509    | 10.002  | ug/L # | 74     |
| 33) Benzene                 | 5.80  | 78   | 9716803  | 322.851 | ug/L   | 100    |
| 35) Methylcyclohexane       | 6.70  | 83   | 8226     | 0.688   | ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.70  | 63   | 4137     | 0.517   | ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75   | 1146     | 0.103   | ug/L   | 91     |
| 42) Toluene                 | 7.98  | 91   | 3719     | 0.121   | ug/L   | 99     |
| 52) Ethylbenzene            | 9.57  | 91   | 35025    | 1.046   | ug/L   | 98     |
| 53) m,p-Xylene              | 9.70  | 106  | 1951     | 0.152   | ug/L   | 96     |
| 54) o-Xylene                | 10.10 | 106  | 1097     | 0.090   | ug/L   | 90     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75   | 5371     | 0.937   | ug/L   | 89     |
| 69) Naphthalene             | 14.08 | 128  | 54455    | 3.440   | ug/L   | 98     |

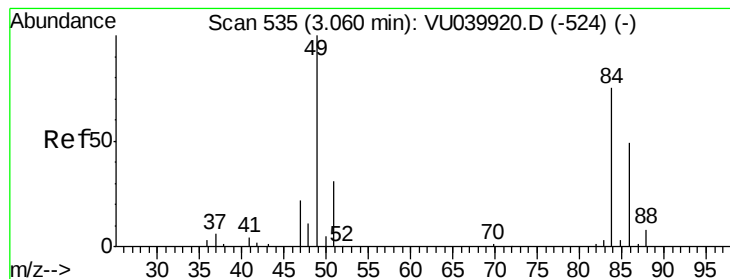
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\  
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Acq On : 21 Aug 2020 14:26  
Operator : SY/MD  
Sample : L3776-01 100X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F4Y00

Quant Time: Aug 22 00:47:59 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081920WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 22 00:45:05 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.156 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039927.D

Acq: 21 Aug 2020 14:26

Instrument :

MSVOA\_U

ClientSampled :

F4Y00

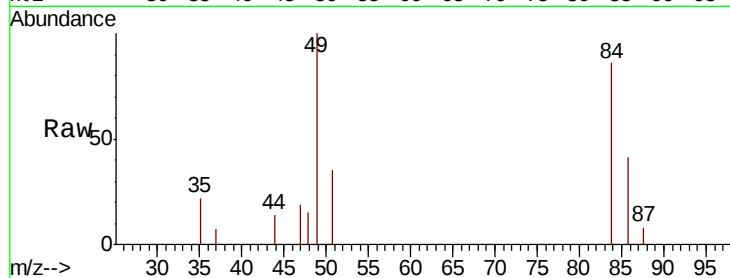
Tot Ion: 84 Resp: 1526

Ion Ratio Lower Upper

84 100

86 48.0 47.2 87.6

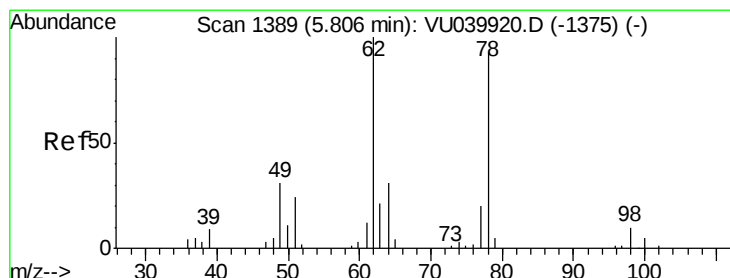
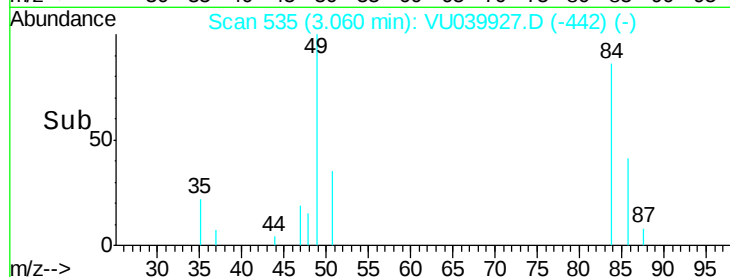
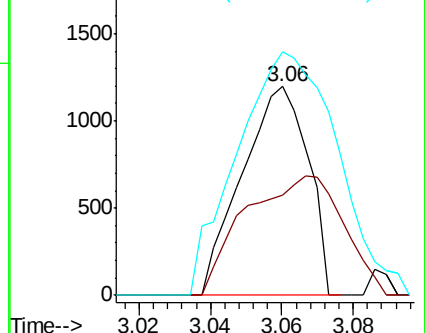
49 116.6 99.8 185.4



Abundance Ion 84.05 (83.75 to 84.75): VU039927.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU039927.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU039927.D (-442) (-)



#27

1,2-Dichloroethane

Concen: 10.002 ug/L

RT: 5.80 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VU039927.D

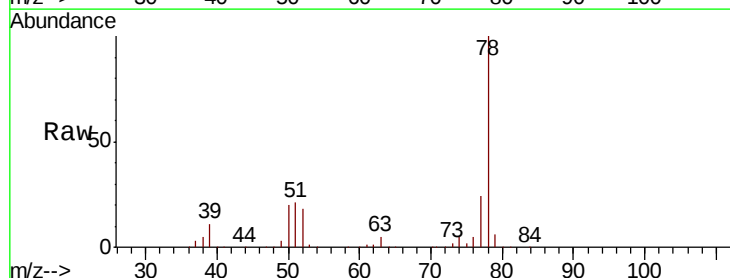
Acq: 21 Aug 2020 14:26

Tgt Ion: 62 Resp: 97509

Ion Ratio Lower Upper

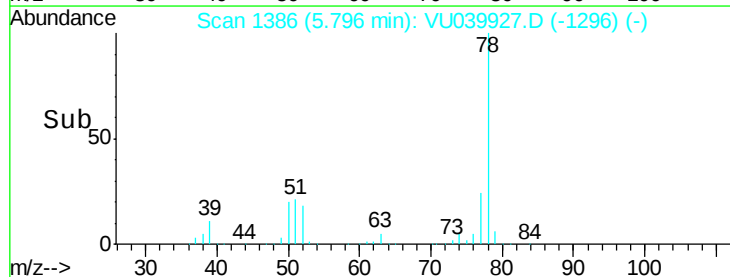
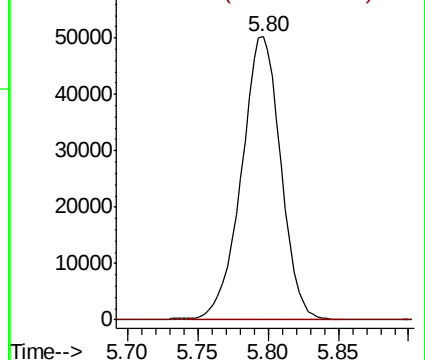
62 100

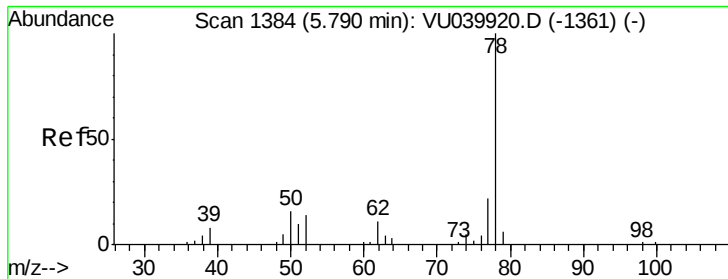
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU039927.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU039927.D (-1296) (-)

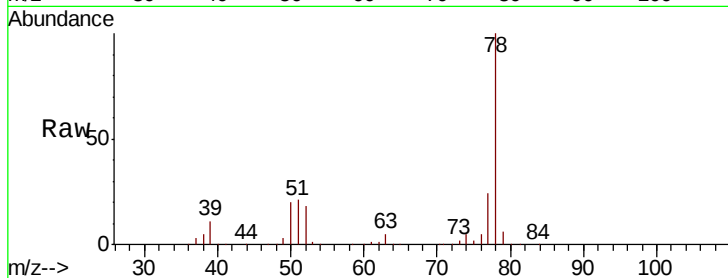




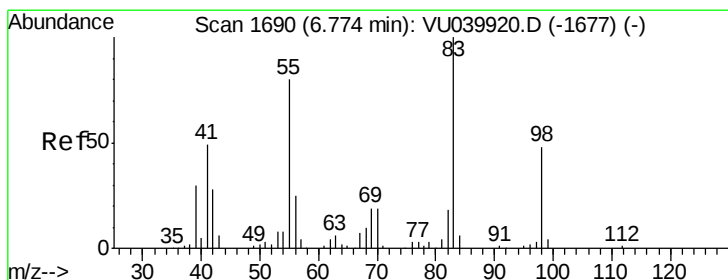
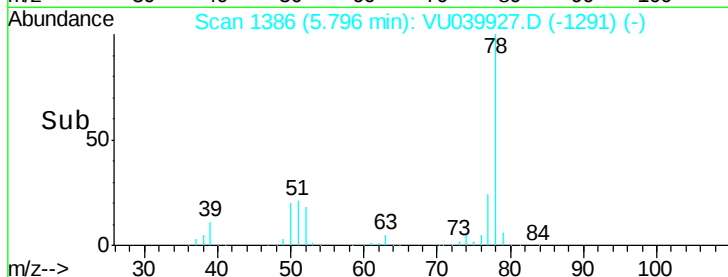
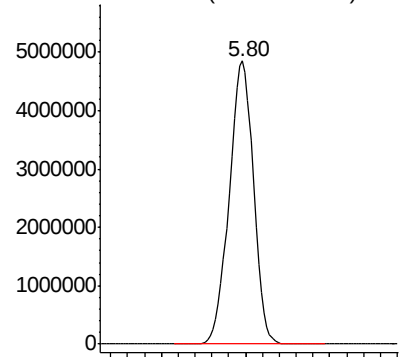
#33  
Benzene  
Concen: 322.851 ug/L  
RT: 5.80 min Scan# 1386  
Delta R.T. 0.01 min  
Lab File: VU039927.D  
Acq: 21 Aug 2020 14:26

Instrument :  
MSVOA\_U  
ClientSampleId :  
F4Y00

Tgt Ion: 78 Resp: 9716803

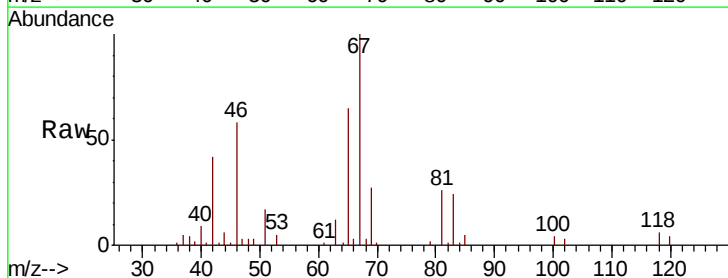


Abundance Ion 78.10 (77.80 to 78.80): VU0



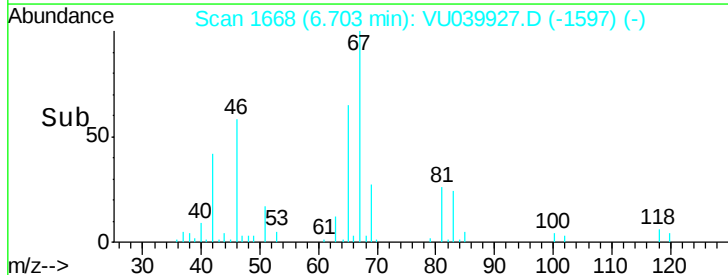
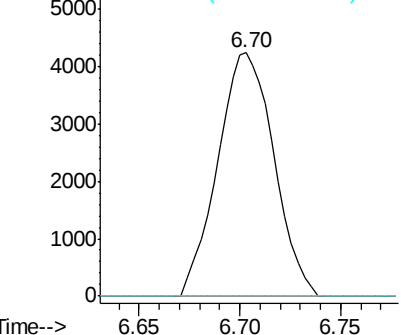
#35  
Methylcyclohexane  
Concen: 0.688 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU039927.D  
Acq: 21 Aug 2020 14:26

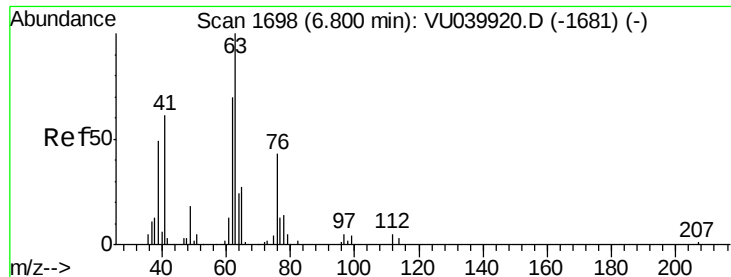
Tgt Ion: 83 Resp: 8226  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.1 96.1#  
98 1.0 39.4 59.0#



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

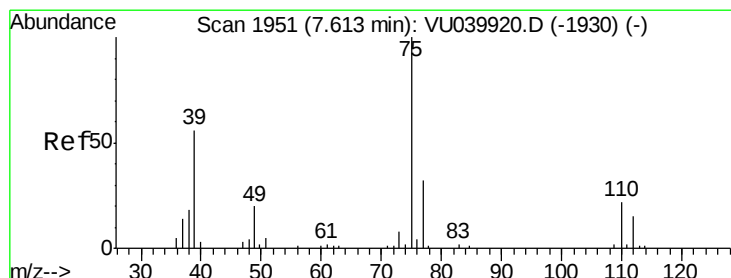
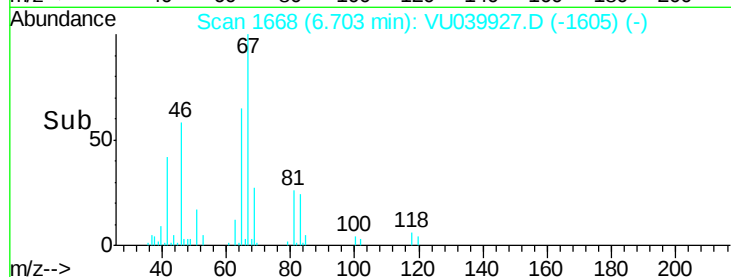
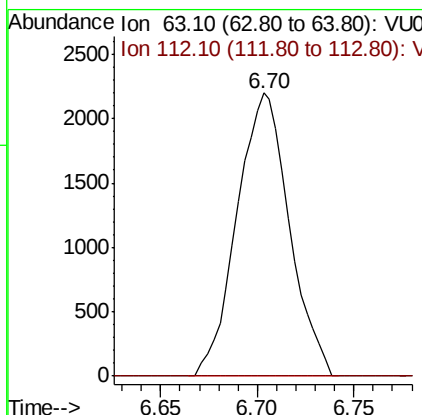
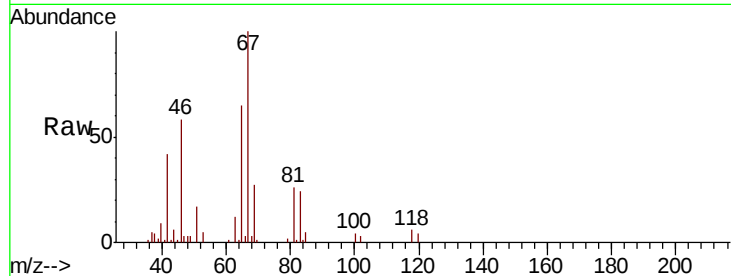




#37  
 1,2-Dichloropropane  
 Concen: 0.517 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.10 min  
 Lab File: VU039927.D  
 Acq: 21 Aug 2020 14:26

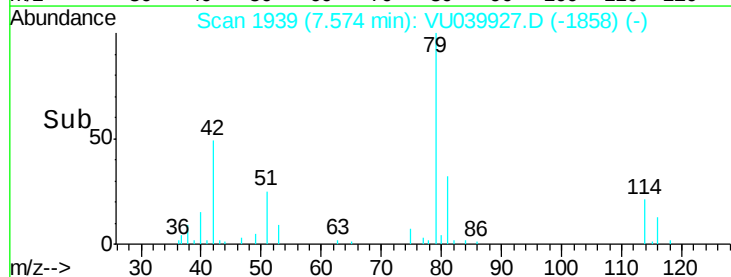
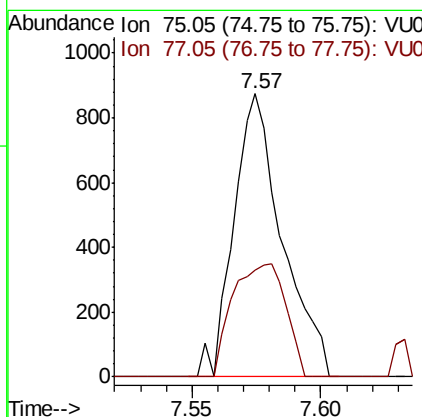
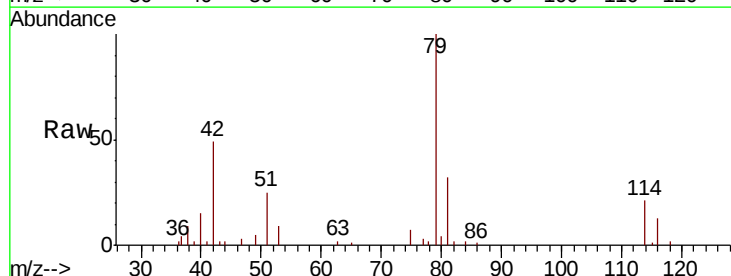
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4Y00

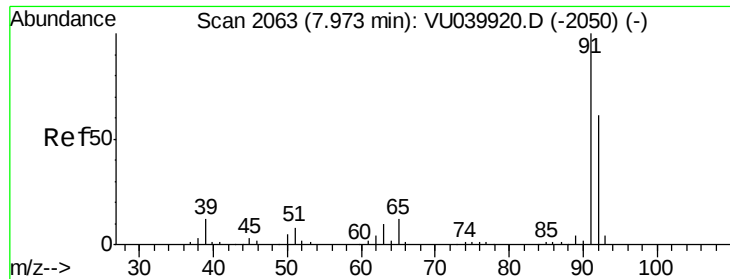
Tot Ion: 63 Resp: 4137  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.1 6.1#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.103 ug/L  
 RT: 7.57 min Scan# 1939  
 Delta R.T. -0.04 min  
 Lab File: VU039927.D  
 Acq: 21 Aug 2020 14:26

Tgt Ion: 75 Resp: 1146  
 Ion Ratio Lower Upper  
 75 100  
 77 37.5 22.6 42.0





#42

Toluene

Concen: 0.121 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039927.D

Acq: 21 Aug 2020 14:26

Instrument :

MSVOA\_U

ClientSampleId :

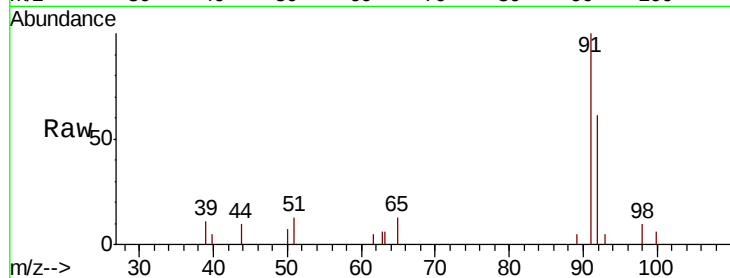
F4Y00

Tot Ion: 91 Resp: 3719

Ion Ratio Lower Upper

91 100

92 60.8 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

2500

2000

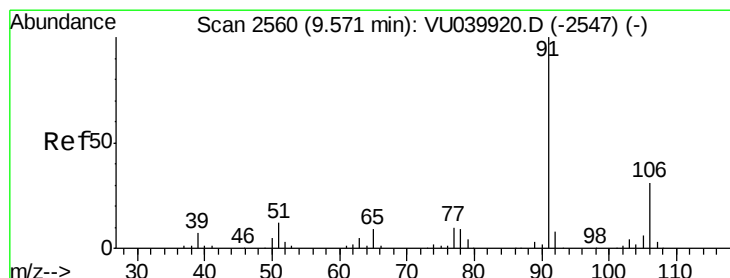
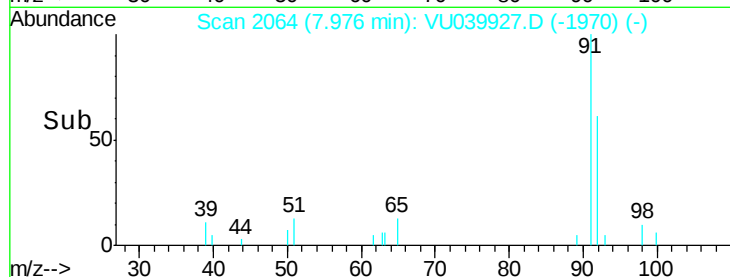
1500

1000

500

0

Time-->



#52

Ethylbenzene

Concen: 1.046 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039927.D

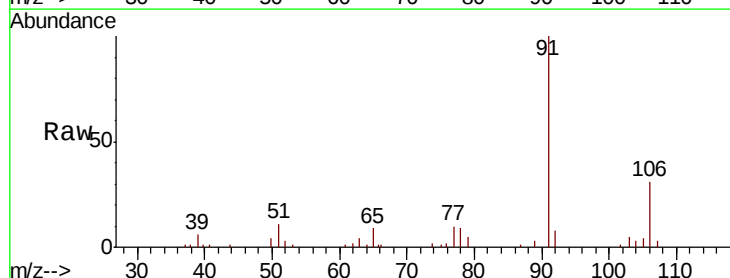
Acq: 21 Aug 2020 14:26

Tgt Ion: 91 Resp: 35025

Ion Ratio Lower Upper

91 100

106 31.1 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

9.57

25000

20000

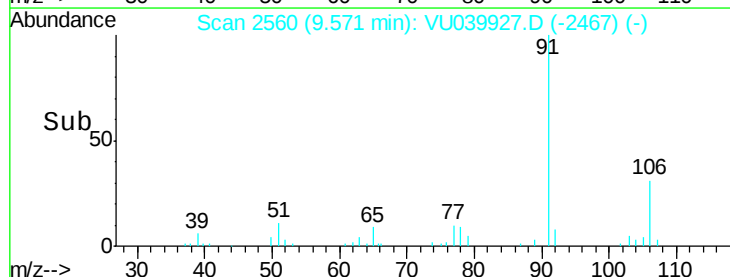
15000

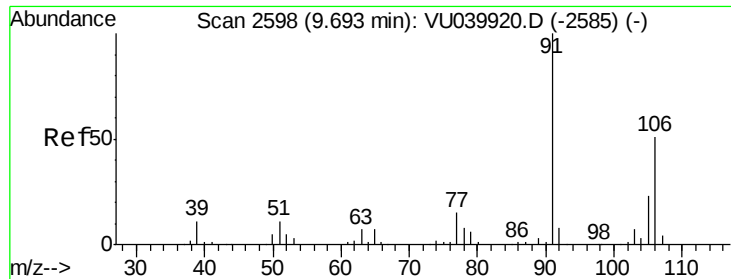
10000

5000

0

Time-->





#53

m,p-Xylene

Concen: 0.152 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.01 min

Lab File: VU039927.D

Acq: 21 Aug 2020 14:26

Instrument :

MSVOA\_U

ClientSampleId :

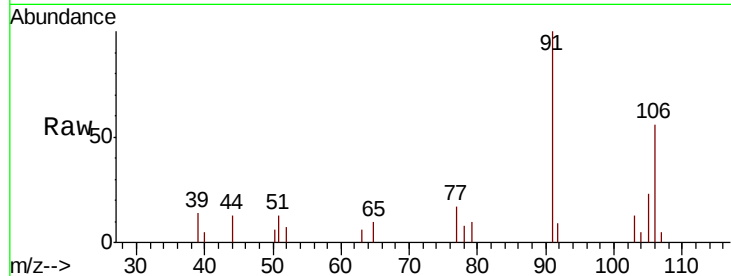
F4Y00

Tot Ion:106 Resp: 1951

Ion Ratio Lower Upper

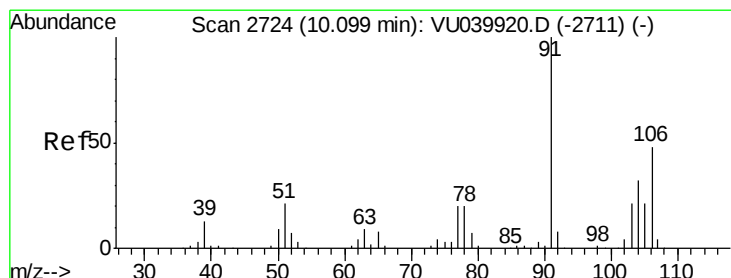
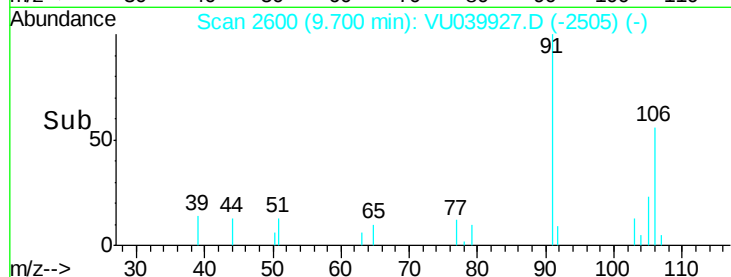
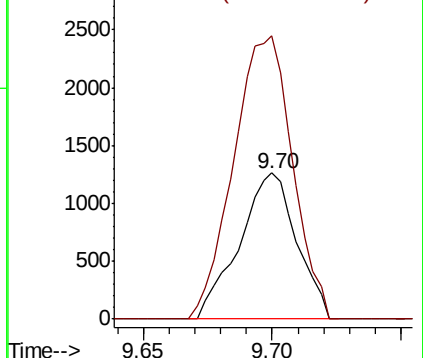
106 100

91 194.0 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.090 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039927.D

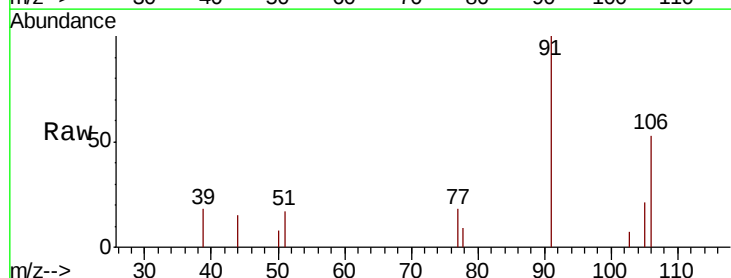
Acq: 21 Aug 2020 14:26

Tgt Ion:106 Resp: 1097

Ion Ratio Lower Upper

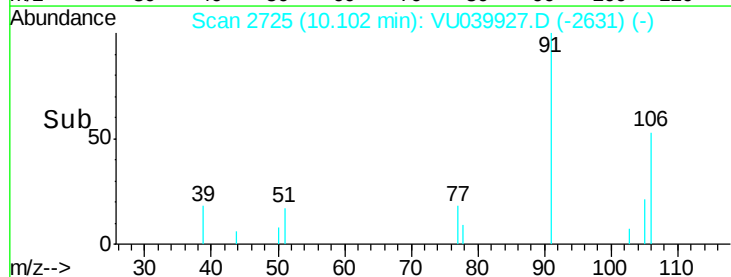
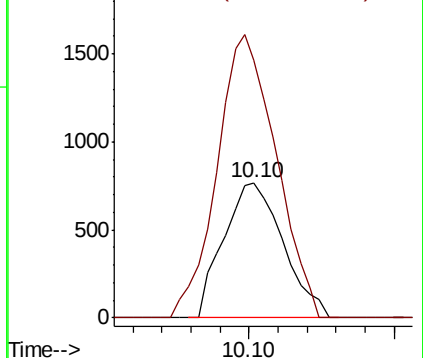
106 100

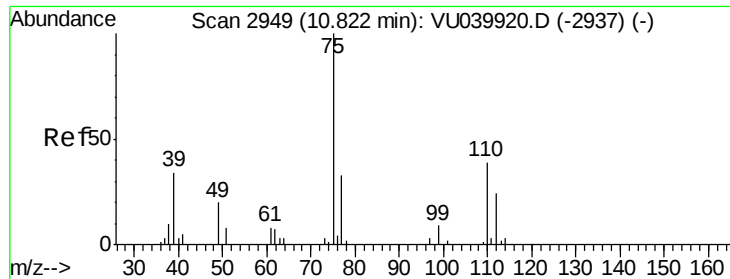
91 190.4 144.6 268.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.937 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039927.D

Acq: 21 Aug 2020 14:26

Instrument :

MSVOA\_U

ClientSampleId :

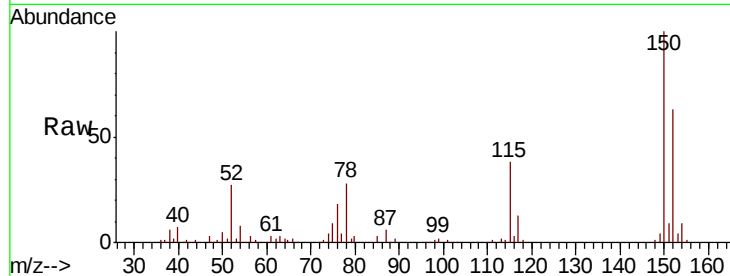
F4Y00

Tot Ion: 75 Resp: 5371

Ion Ratio Lower Upper

75 100

77 40.7 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039927.D (-3256) (-)

Ion 77.00 (76.70 to 77.70): VU039927.D (-3256) (-)

11.81

3000

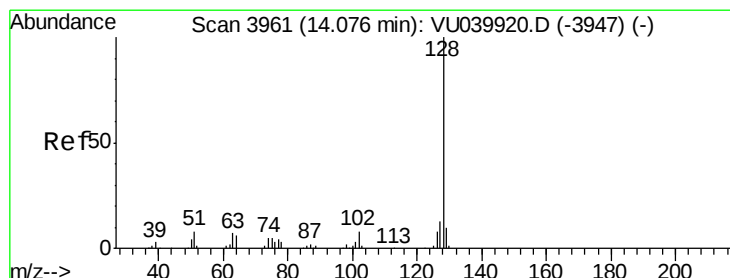
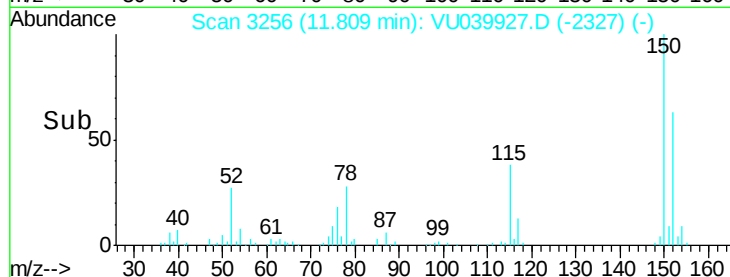
2000

1000

0

Time-->

11.75 11.80 11.85



#69

Naphthalene

Concen: 3.440 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039927.D

Acq: 21 Aug 2020 14:26

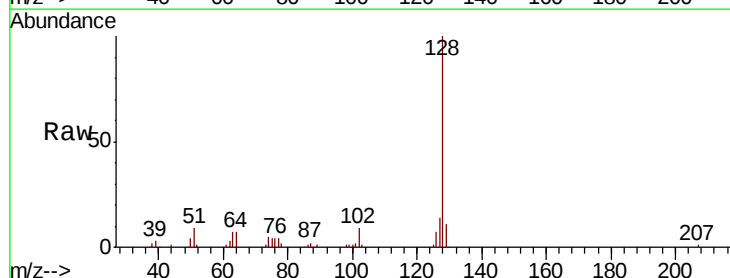
Tgt Ion: 128 Resp: 54455

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

127 14.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): VU039927.D (-3961) (-)

Ion 129.00 (128.70 to 129.70): VU039927.D (-3961) (-)

Ion 127.00 (126.70 to 127.70): VU039927.D (-3961) (-)

14.08

40000

30000

20000

10000

0

Time-->

14.00 14.05 14.10 14.15

