

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038859.D
 Acq On : 12 Jun 2020 18:14
 Operator : SY/MD
 Sample : L2990-05MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YG1MSD

Quant Time: Jun 13 02:17:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	276277	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	274135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96509	6.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.20%
7) Chloroethane-d5	1.93	69	76163	6.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.00%
11) 1,1-Dichloroethene-d2	2.59	63	205585	6.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	120.00%
20) 2-Butanone-d5	4.67	46	298796	63.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.44%
24) Chloroform-d	5.10	84	186450	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.74	65	108421	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
32) Benzene-d6	5.76	84	375371	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.20%
36) 1,2-Dichloropropane-d6	6.72	67	112429	5.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.40%
41) Toluene-d8	7.92	98	313172	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	8.20	79	46562	5.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.40%
46) 2-Hexanone-d5	8.65	63	259744	68.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.38%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	95731	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	129394	6.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	126.20%#

Target Compounds

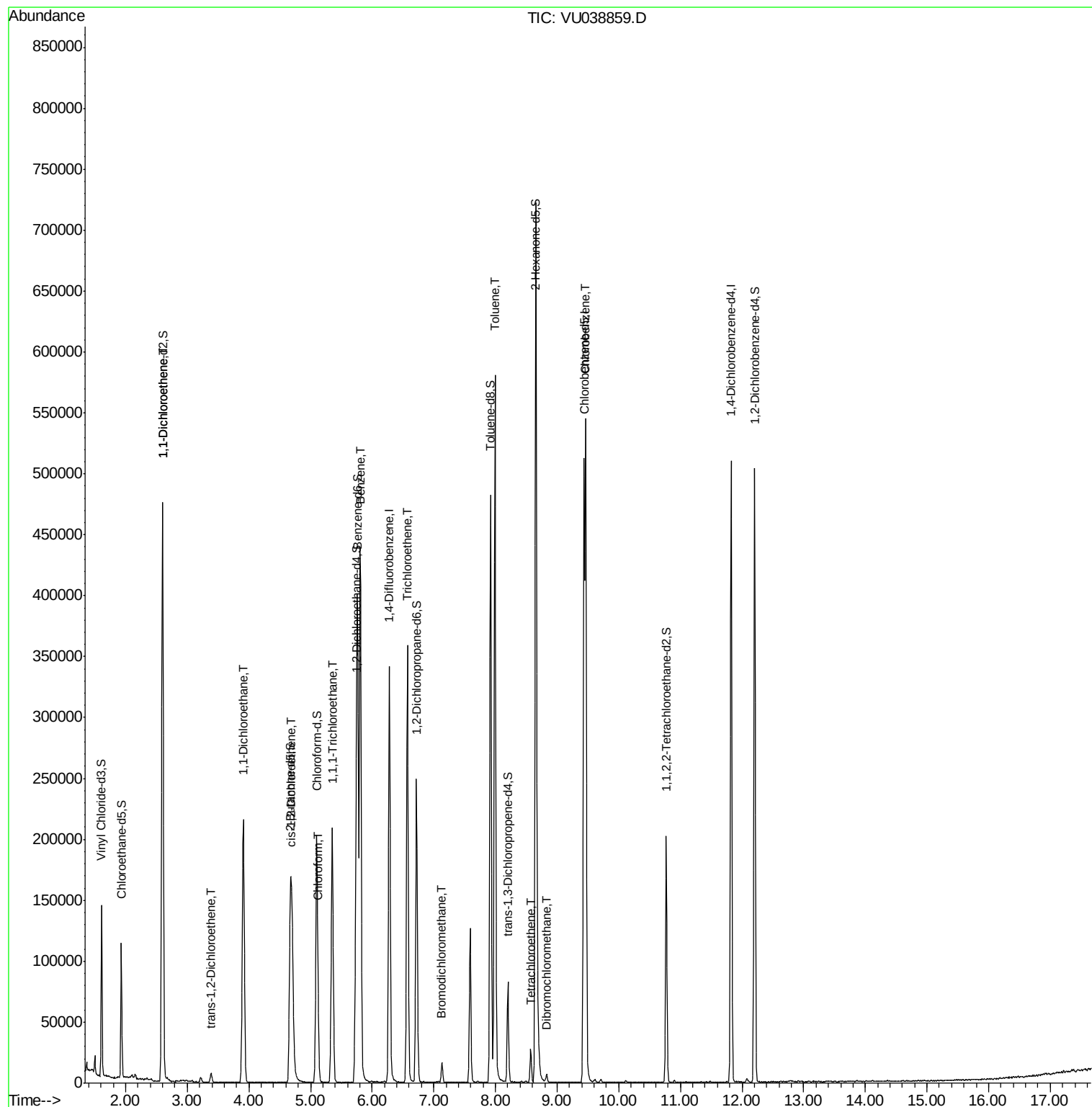
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	111262	5.750	ug/L	89
18) trans-1,2-Dichloroethene	3.39	96	3371	0.162	ug/L	80
19) 1,1-Dichloroethane	3.91	63	247338	6.615	ug/L	98
22) cis-1,2-Dichloroethene	4.70	96	29949	1.384	ug/L	99
25) Chloroform	5.13	83	18385	0.477	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	155803	4.605	ug/L	99
33) Benzene	5.81	78	412218	4.976	ug/L	100
34) Trichloroethene	6.57	95	123015	5.687	ug/L	96
38) Bromodichloromethane	7.13	83	10267	0.379	ug/L	98
42) Toluene	7.99	91	420376	4.807	ug/L	98
47) Tetrachloroethene	8.57	164	6442	0.387	ug/L	91
49) Dibromochloromethane	8.83	129	3713	0.209	ug/L	80
51) Chlorobenzene	9.47	112	280159	4.975	ug/L	98

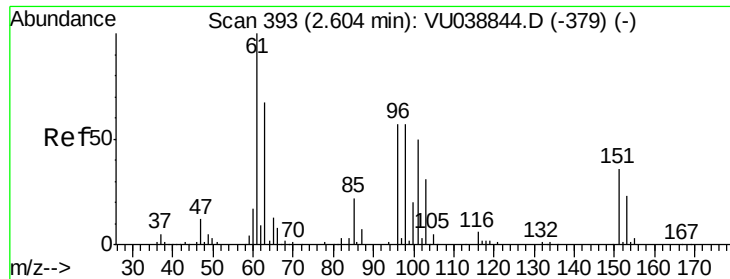
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.750 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MSD

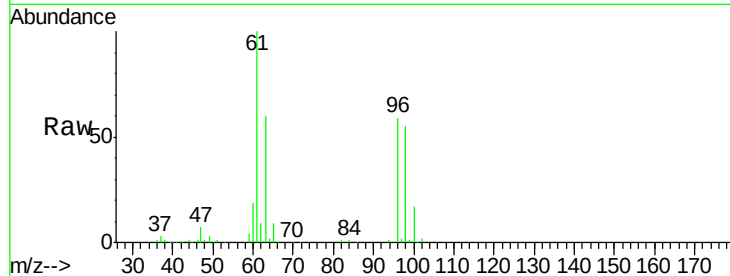
Tot Ion: 96 Resp: 111262

Ion Ratio Lower Upper

96 100

61 168.5 120.2 223.2

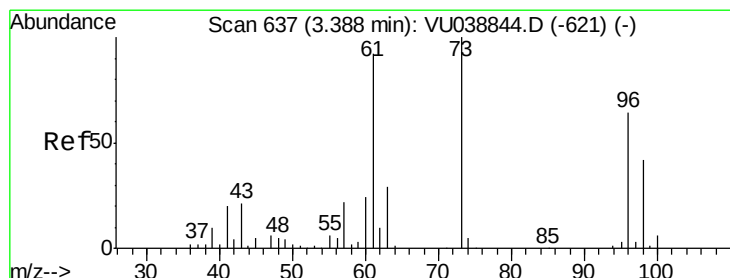
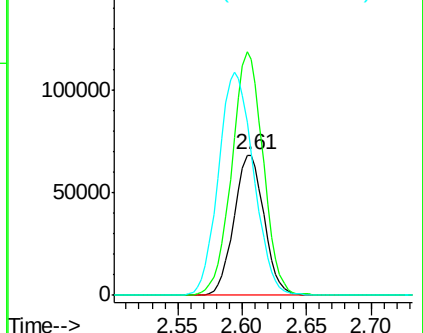
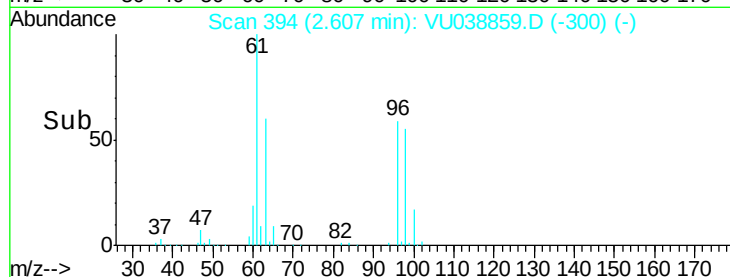
63 101.8 90.1 167.3



Abundance Ion 96.00 (95.70 to 96.70): VU038859.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU038859.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU038859.D (-300) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.162 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

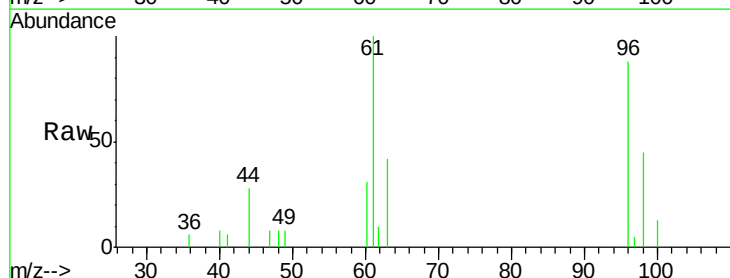
Tgt Ion: 96 Resp: 3371

Ion Ratio Lower Upper

96 100

61 113.9 99.3 184.5

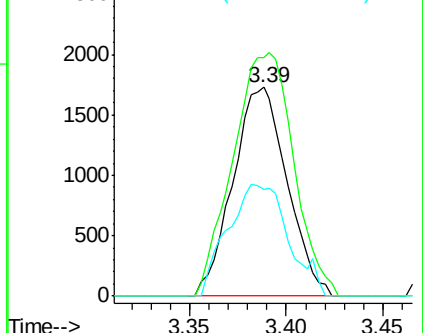
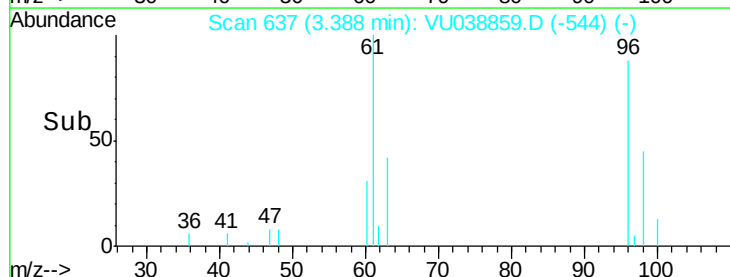
98 51.0 43.9 81.5

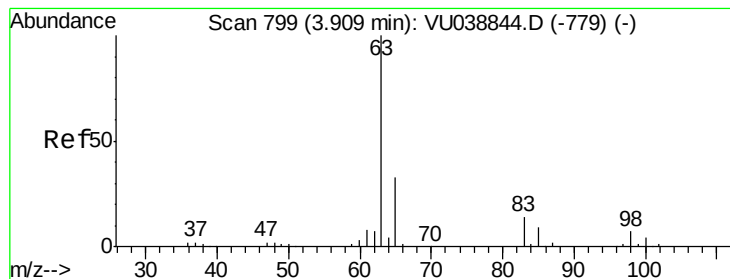


Abundance Ion 96.00 (95.70 to 96.70): VU038859.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038859.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038859.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 6.615 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MSD

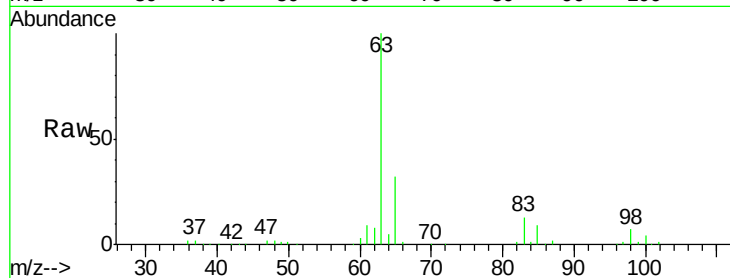
Tot Ion: 63 Resp: 247338

Ion Ratio Lower Upper

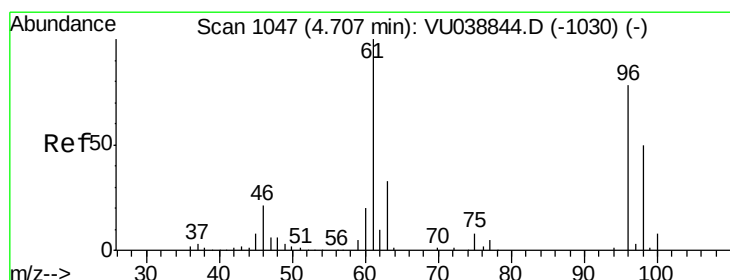
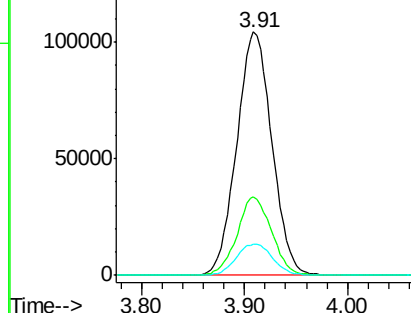
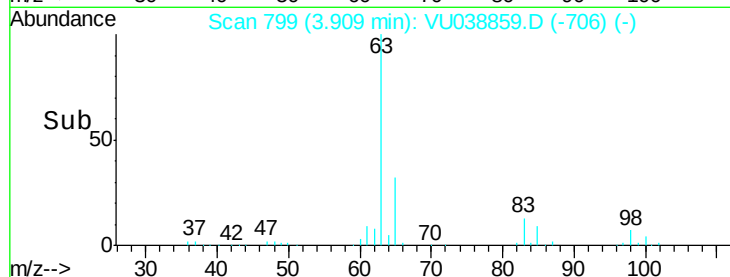
63 100

65 32.5 22.3 41.5

83 12.7 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038859.D (-706) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.384 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

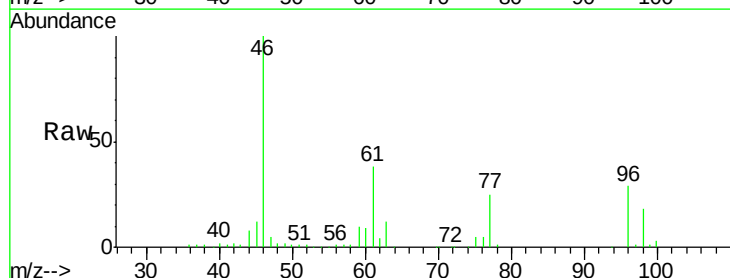
Tgt Ion: 96 Resp: 29949

Ion Ratio Lower Upper

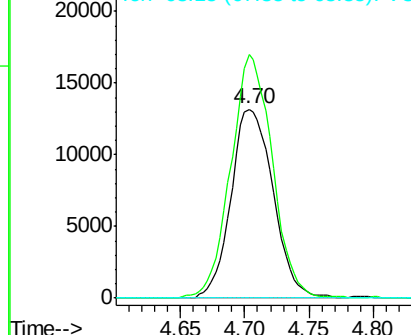
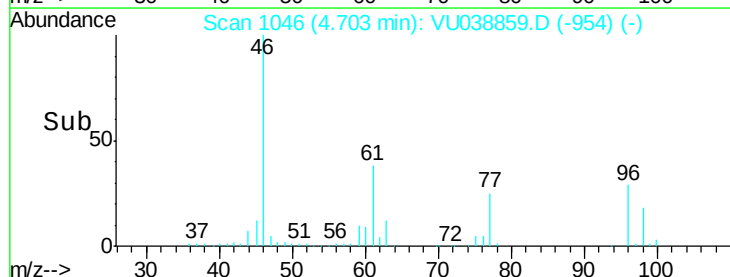
96 100

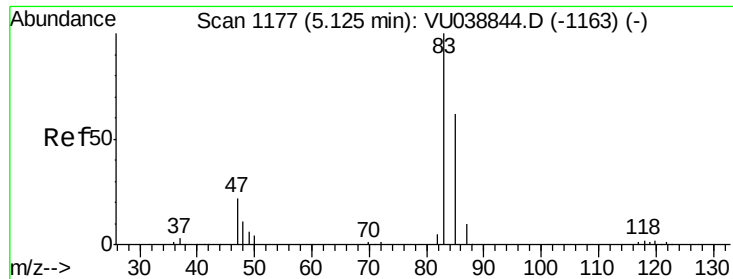
61 129.0 89.7 166.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038859.D (-954) (-)

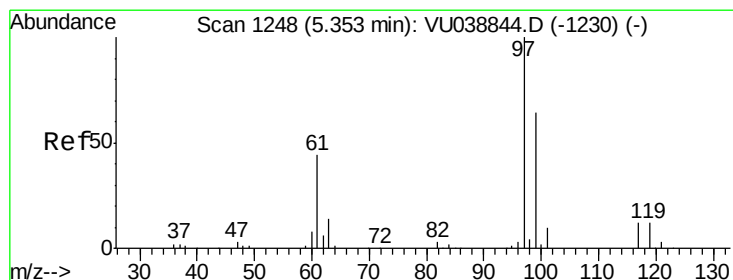
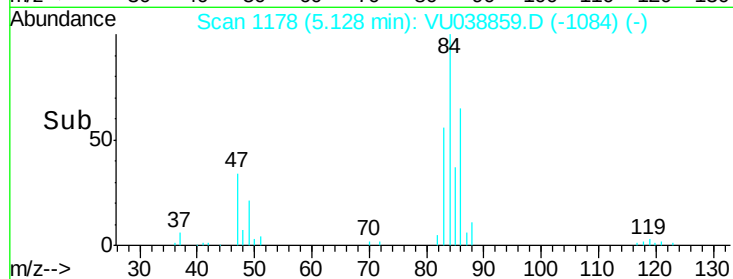
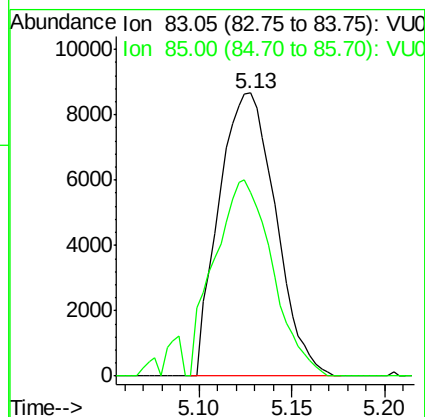
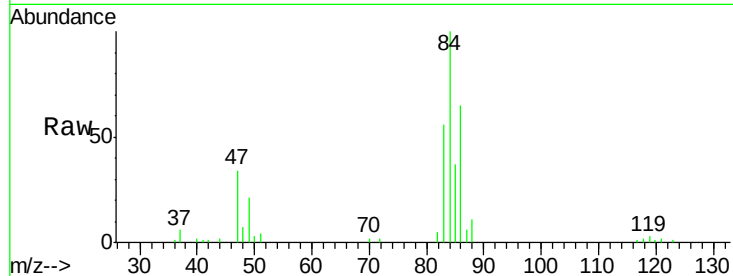




#25
Chloroform
Concen: 0.477 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038859.D
Acq: 12 Jun 2020 18:14

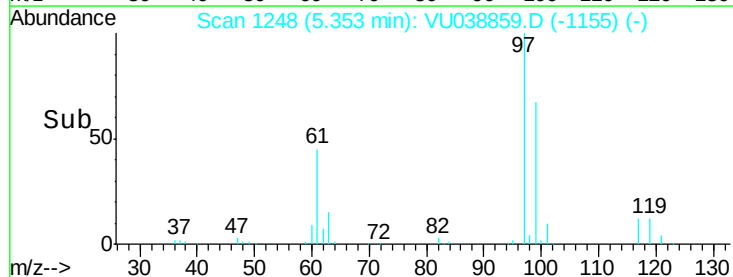
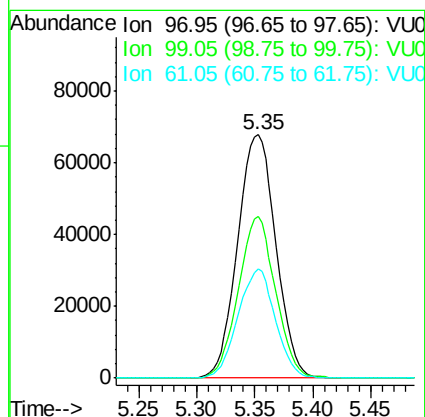
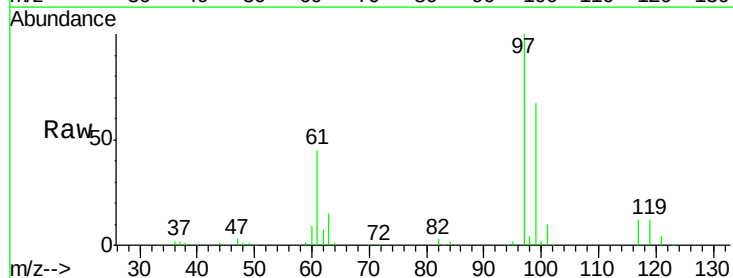
Instrument :
MSVOA_U
ClientSampleId :
E3YG1MSD

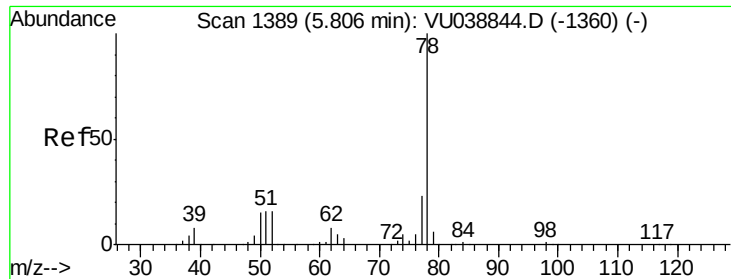
Tot Ion: 83 Resp: 18385
Ion Ratio Lower Upper
83 100
85 65.1 44.1 81.9



#29
1,1,1-Trichloroethane
Concen: 4.605 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038859.D
Acq: 12 Jun 2020 18:14

Tgt Ion: 97 Resp: 155803
Ion Ratio Lower Upper
97 100
99 64.2 52.1 78.1
61 43.8 35.9 53.9





#33

Benzene

Concen: 4.976 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

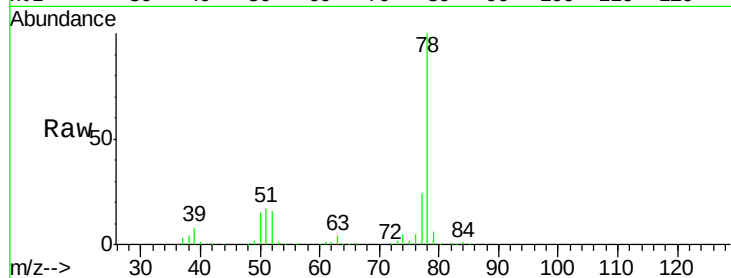
Instrument :

MSVOA_U

ClientSampleId :

E3YG1MSD

Tgt Ion: 78 Resp: 412218



Abundance Ion 78.10 (77.80 to 78.80): VU0

200000

150000

100000

50000

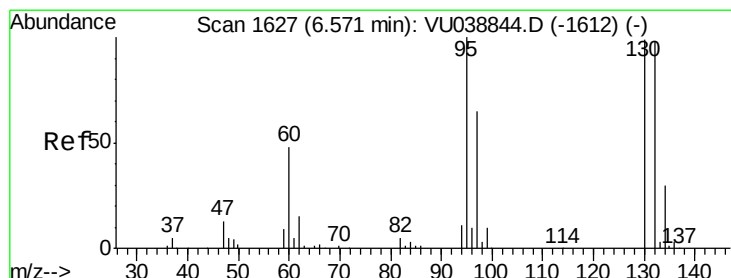
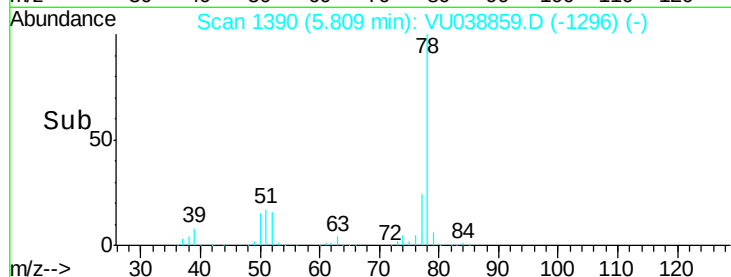
0

5.70

5.80

5.90

Time-->



#34

Trichloroethene

Concen: 5.687 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

Tgt Ion: 95 Resp: 123015

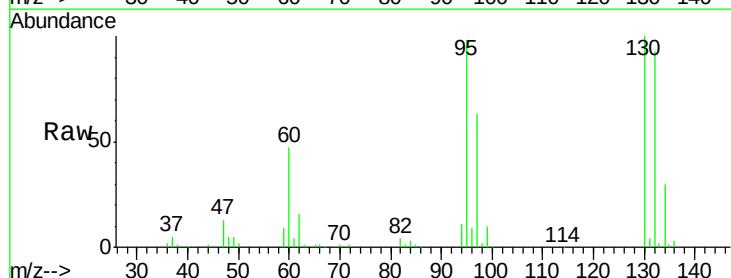
Ion	Ratio	Lower	Upper
95	100		
97	63.5	46.1	85.5
132	94.8	67.5	125.3
130	101.6	66.7	123.9

95 100

97 63.5 46.1 85.5

132 94.8 67.5 125.3

130 101.6 66.7 123.9



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

100000

80000

60000

40000

20000

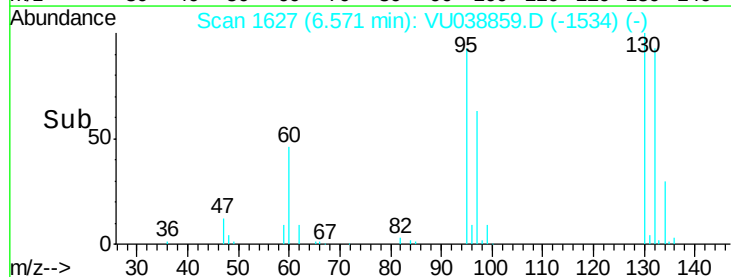
0

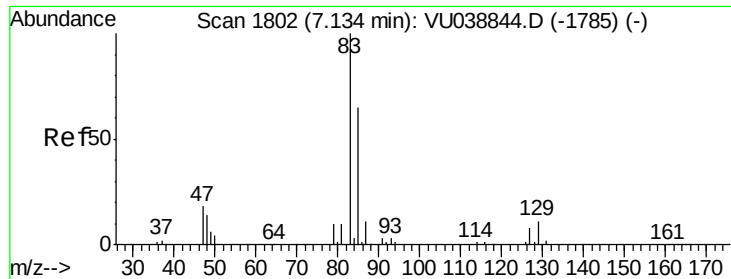
6.50

6.60

6.70

Time-->

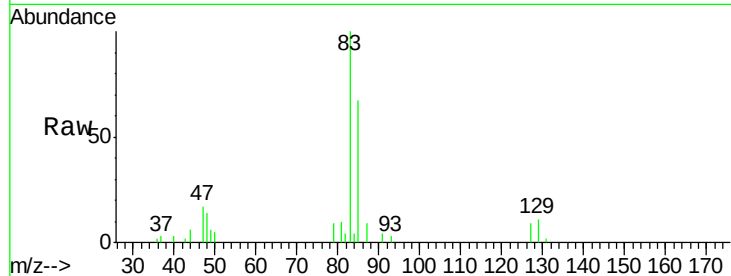




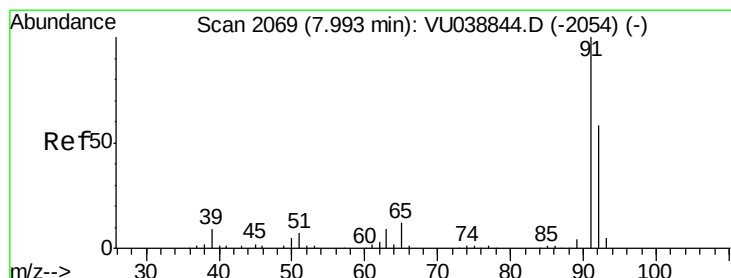
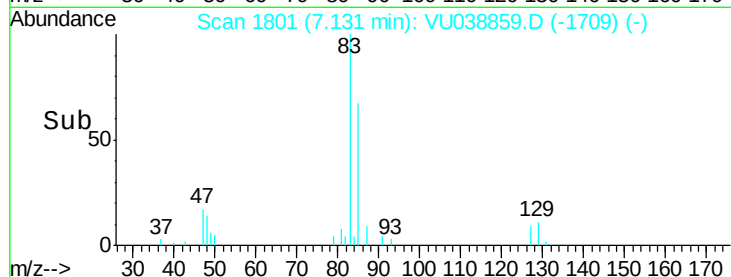
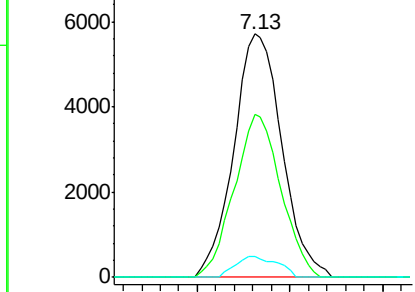
#38
 Bromodichloromethane
 Concen: 0.379 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038859.D
 Acq: 12 Jun 2020 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YG1MSD

Tot Ion: 83 Resp: 10267
 Ion Ratio Lower Upper
 83 100
 85 66.8 45.3 84.1
 127 8.8 7.1 10.7

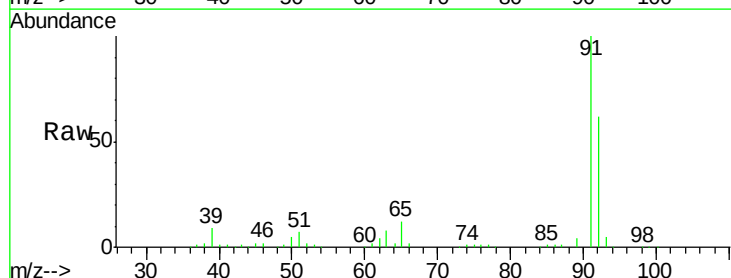


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 126.90 (126.60 to 127.60): V

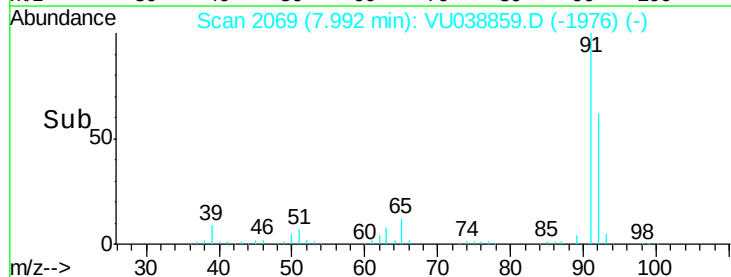
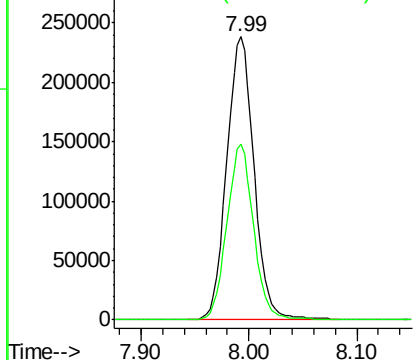


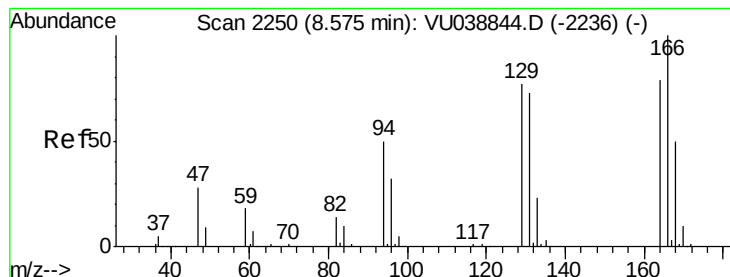
#42
 Toluene
 Concen: 4.807 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038859.D
 Acq: 12 Jun 2020 18:14

Tgt Ion: 91 Resp: 420376
 Ion Ratio Lower Upper
 91 100
 92 62.3 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 0.387 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MSD

Tot Ion:164 Resp: 6442

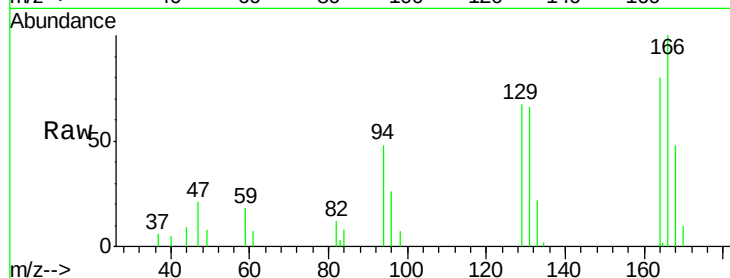
Ion Ratio Lower Upper

164 100

129 83.3 67.3 124.9

131 81.8 65.0 120.6

166 124.3 91.0 169.0

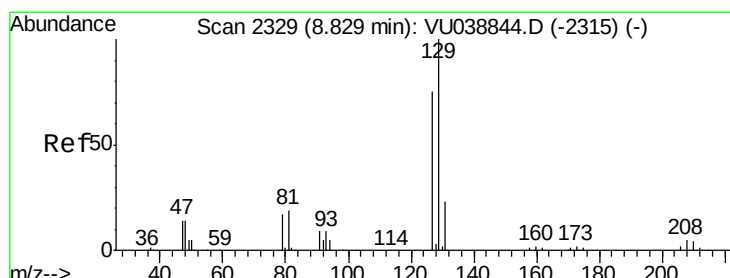
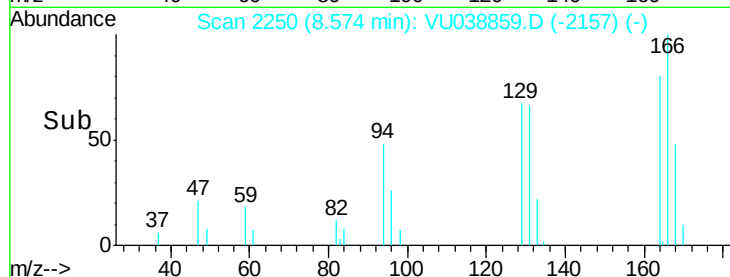
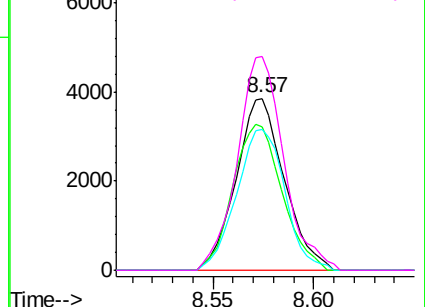


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.209 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU038859.D

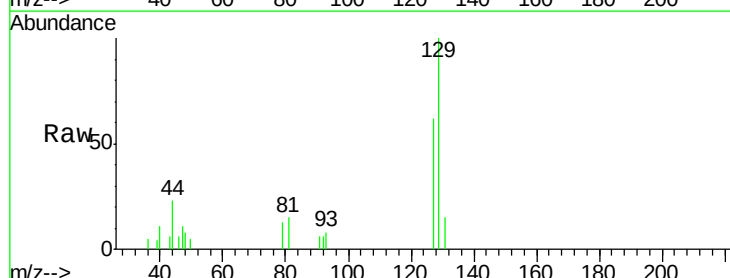
Acq: 12 Jun 2020 18:14

Tgt Ion:129 Resp: 3713

Ion Ratio Lower Upper

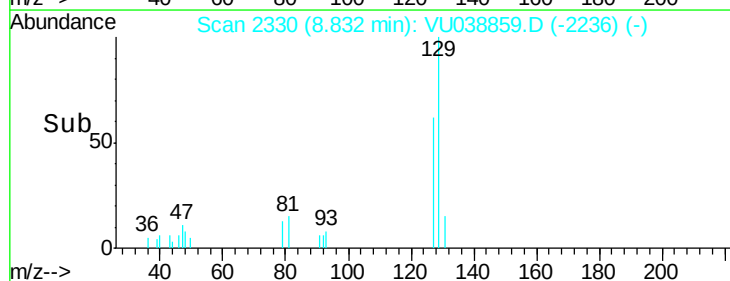
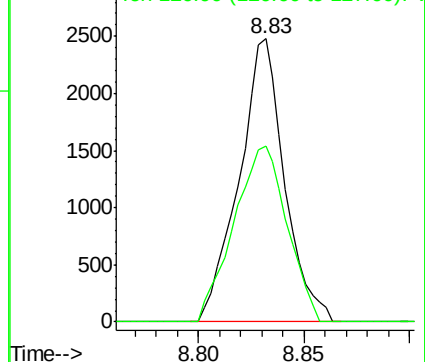
129 100

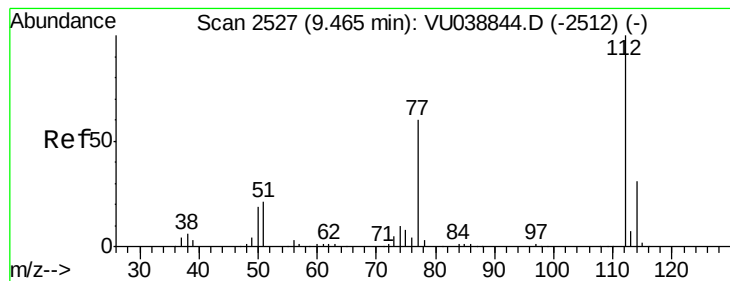
127 62.0 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 4.975 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038859.D

Acq: 12 Jun 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MSD

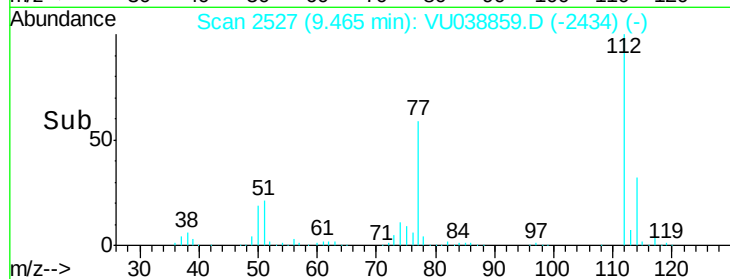
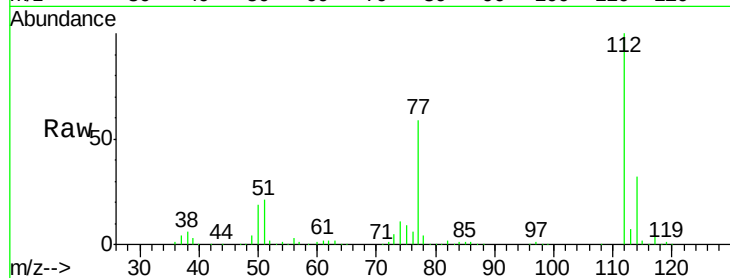
Tot Ion:112 Resp: 280159

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.9

77 58.8 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

