

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041153.D
 Acq On : 09 Nov 2020 20:00
 Operator : SY/MD
 Sample : L4646-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W4

Quant Time: Nov 10 04:18:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52659	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	50986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16767	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.92	69	16721	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	27795	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.66	46	99801	68.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.00%#
24) Chloroform-d	5.08	84	45253	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
26) 1,2-Dichloroethane-d4	5.72	65	29252	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.60%
32) Benzene-d6	5.74	84	79843	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.20%
36) 1,2-Dichloropropane-d6	6.70	67	29337	6.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	132.20%
41) Toluene-d8	7.91	98	65601	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	8.19	79	10989	5.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.20%
46) 2-Hexanone-d5	8.64	63	70567	68.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.22%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25697	6.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.60%#
64) 1,2-Dichlorobenzene-d4	12.19	152	28331	7.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	147.80%#

Target Compounds

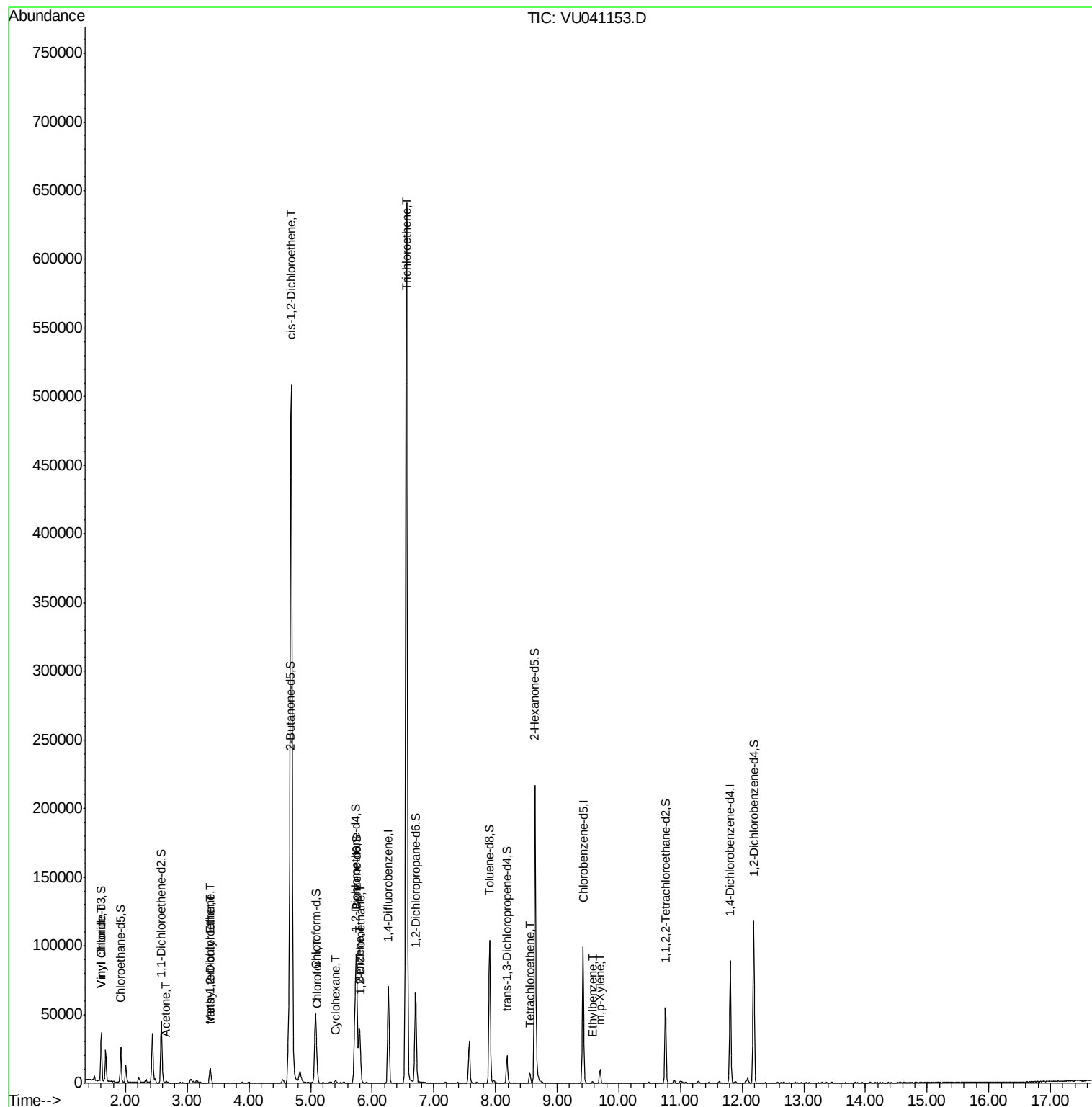
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2263	0.458	ug/L #	81
13) Acetone	2.66	43	1651	1.658	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	1821	0.190	ug/L #	83
18) trans-1,2-Dichloroethene	3.37	96	3074	0.813	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	239997	61.550	ug/L	97
25) Chloroform	5.11	83	3080	0.406	ug/L	93
27) 1,2-Dichloroethane	5.81	62	9999	1.771	ug/L	96
30) Cyclohexane	5.41	56	1064	0.173	ug/L #	85
33) Benzene	5.79	78	33247	2.182	ug/L	100
34) Trichloroethene	6.56	95	216288	55.787	ug/L	98
47) Tetrachloroethene	8.56	164	1660	0.582	ug/L	90
52) Ethylbenzene	9.57	91	920	0.057	ug/L	93
53) m,p-Xylene	9.69	106	2770	0.467	ug/L	100

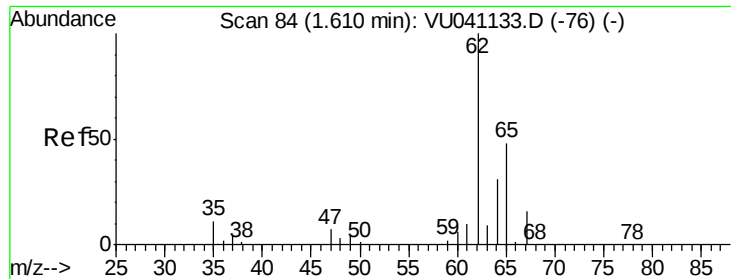
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.458 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041153.D

Acq: 09 Nov 2020 20:00

Instrument :

MSVOA_U

ClientSampled :

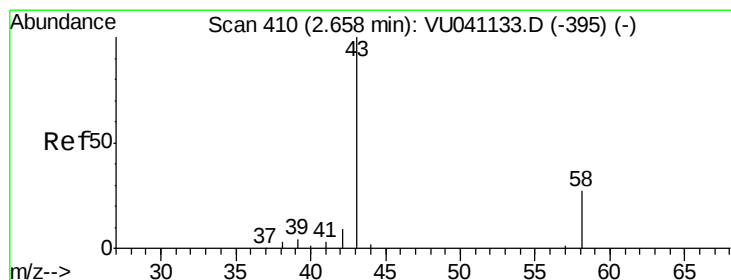
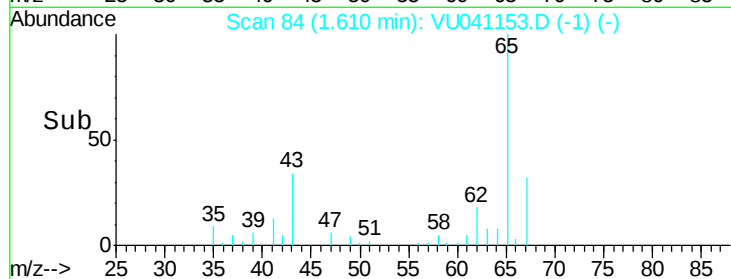
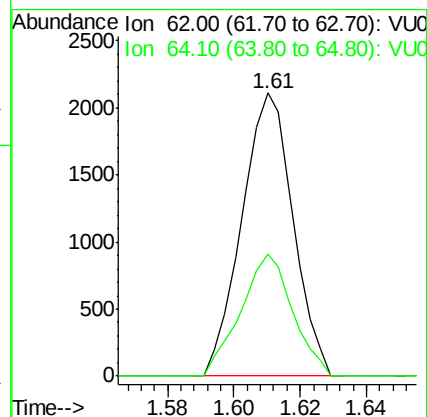
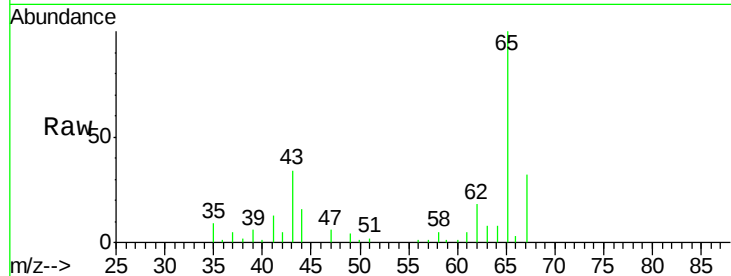
GB0W4

Tot Ion: 62 Resp: 2263

Ion Ratio Lower Upper

62 100

64 43.3 22.7 42.3#



#13

Acetone

Concen: 1.658 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU041153.D

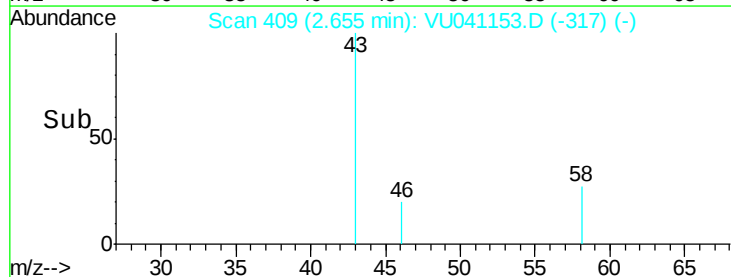
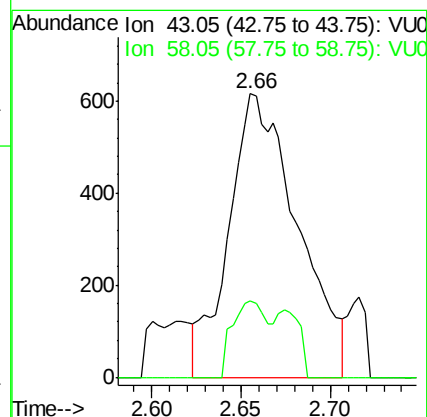
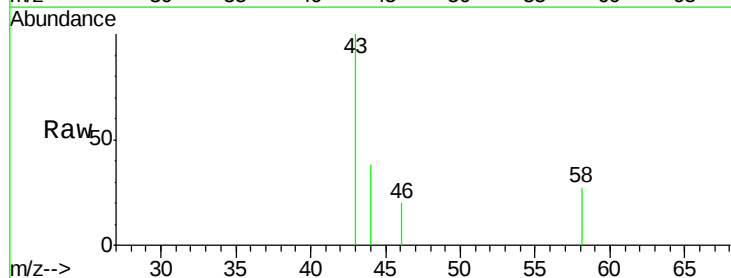
Acq: 09 Nov 2020 20:00

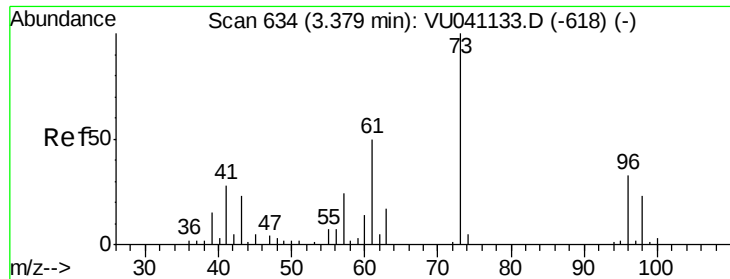
Tgt Ion: 43 Resp: 1651

Ion Ratio Lower Upper

43 100

58 14.2 0.0 25.4

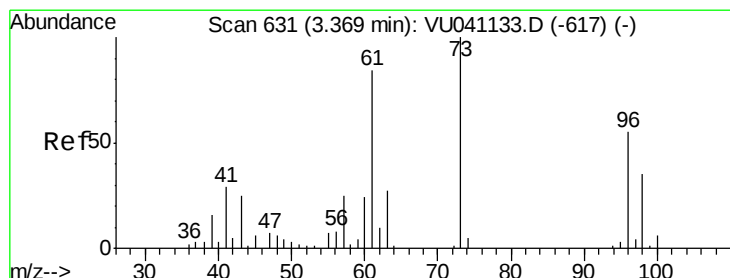
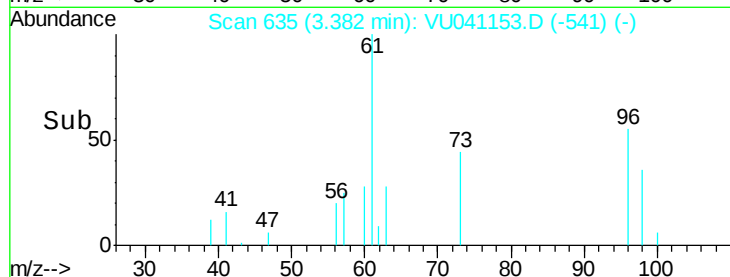
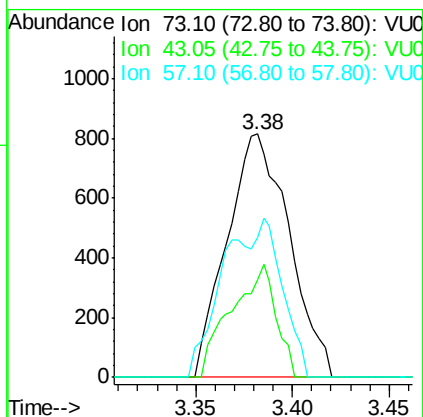
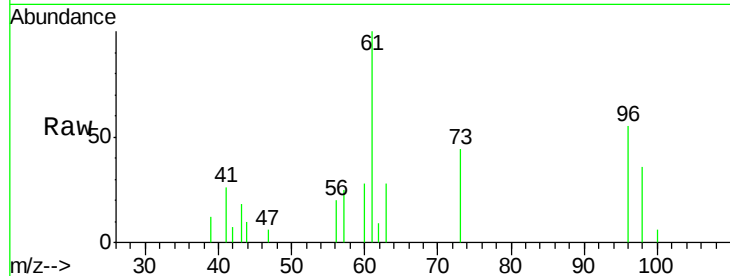




#17
Methvl tert-butvl Ether
Concen: 0.190 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041153.D
Acq: 09 Nov 2020 20:00

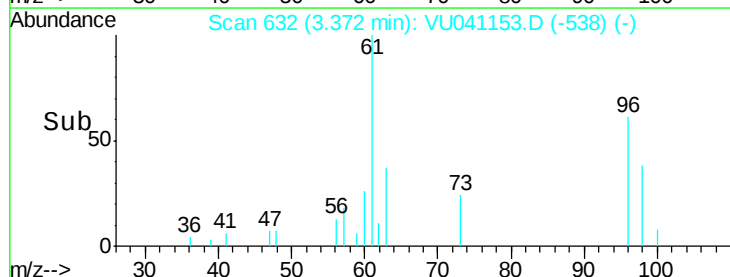
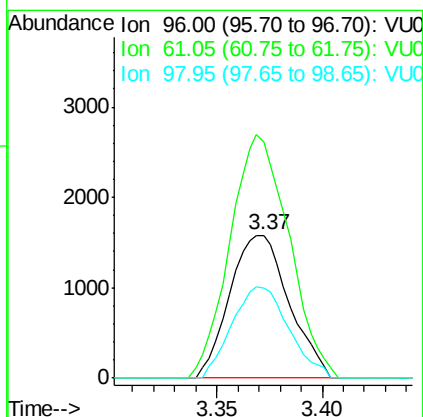
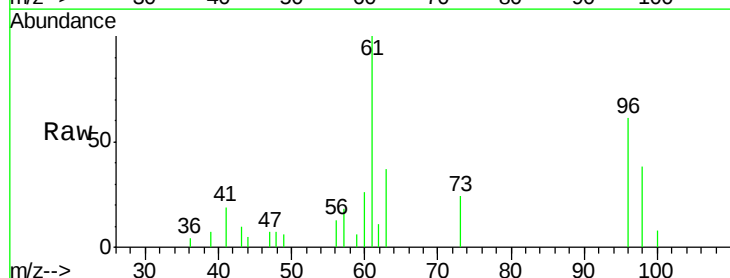
Instrument :
MSVOA_U
ClientSampleId :
GB0W4

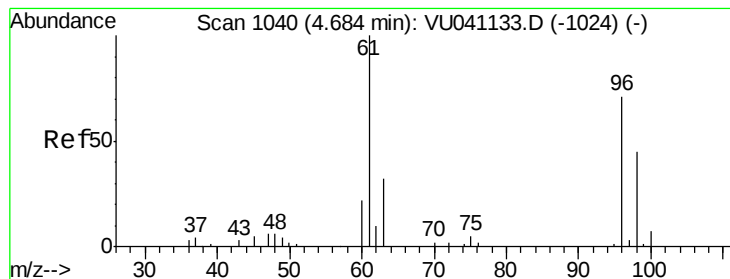
Tot Ion: 73 Resp: 1821
Ion Ratio Lower Upper
73 100
43 33.7 18.5 27.7#
57 28.7 18.4 27.6#



#18
trans-1,2-Dichloroethene
Concen: 0.813 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041153.D
Acq: 09 Nov 2020 20:00

Tgt Ion: 96 Resp: 3074
Ion Ratio Lower Upper
96 100
61 165.1 110.9 205.9
98 63.2 45.4 84.2





#22

cis-1,2-Dichloroethene

Concen: 61.550 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041153.D

Acq: 09 Nov 2020 20:00

Instrument :

MSVOA_U

ClientSampleId :

GB0W4

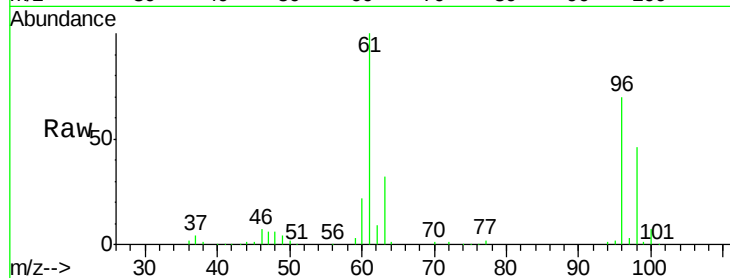
Tot Ion: 96 Resp: 239997

Ion Ratio Lower Upper

96 100

61 142.3 97.2 180.4

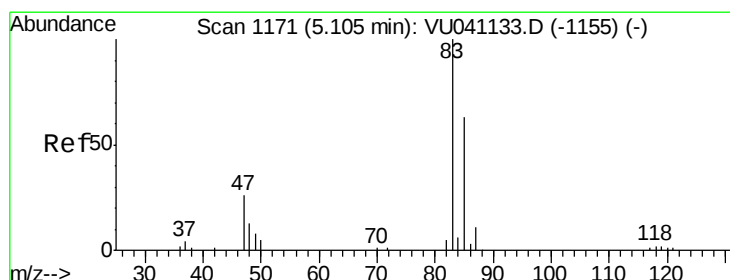
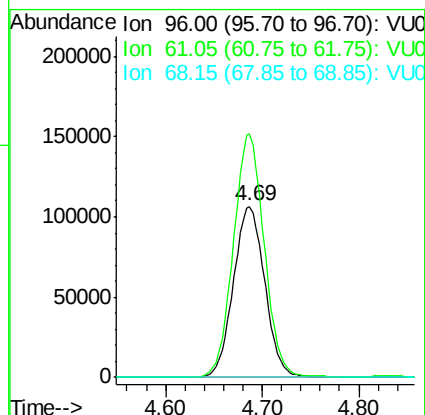
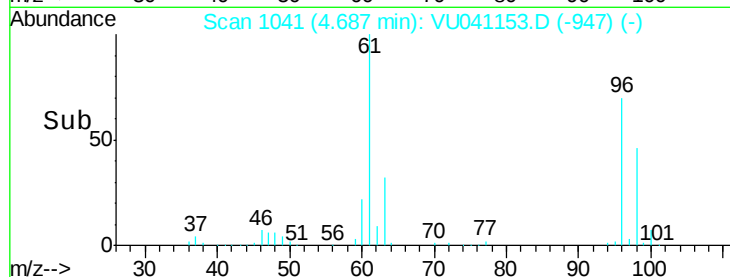
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041153.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041153.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041153.D (-1024) (-)



#25

Chloroform

Concen: 0.406 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU041153.D

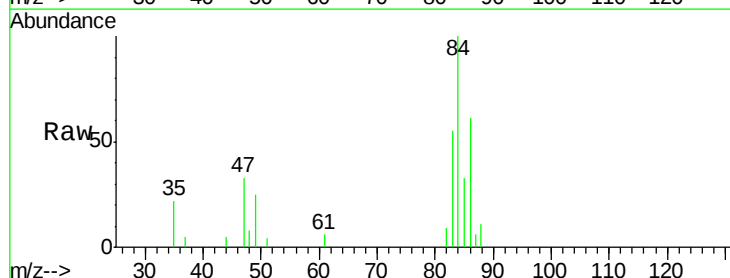
Acq: 09 Nov 2020 20:00

Tgt Ion: 83 Resp: 3080

Ion Ratio Lower Upper

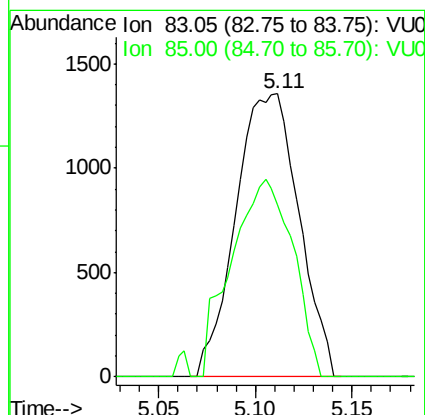
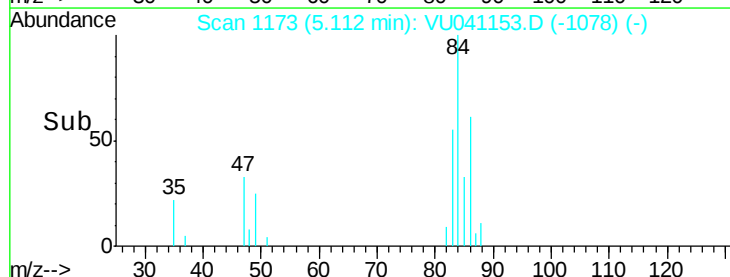
83 100

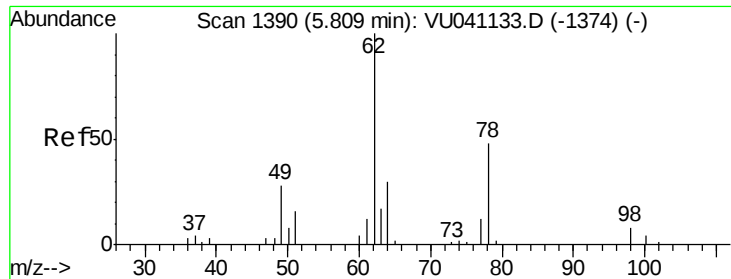
85 60.7 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041153.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU041153.D (-1155) (-)

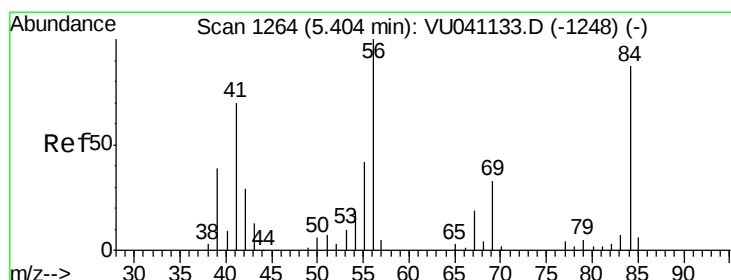
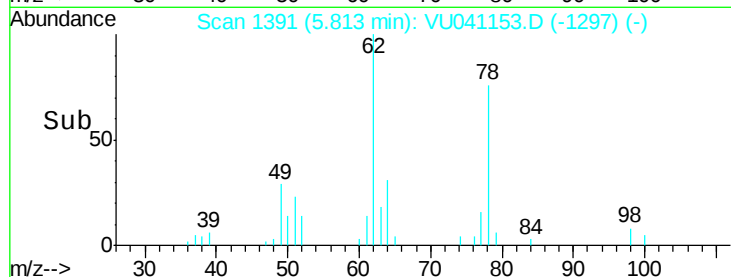
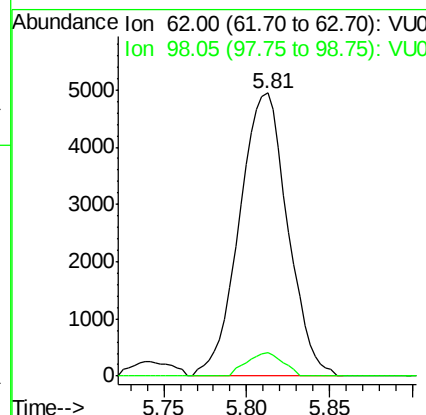
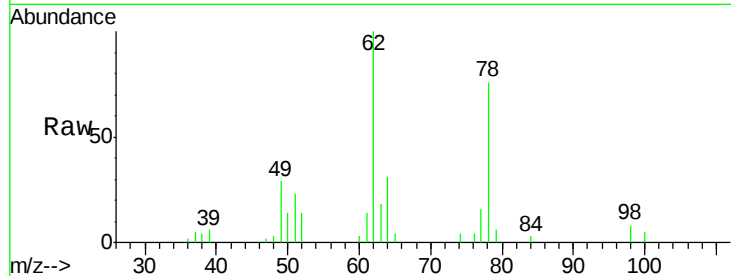




#27
 1,2-Dichloroethane
 Concen: 1.771 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU041153.D
 Acq: 09 Nov 2020 20:00

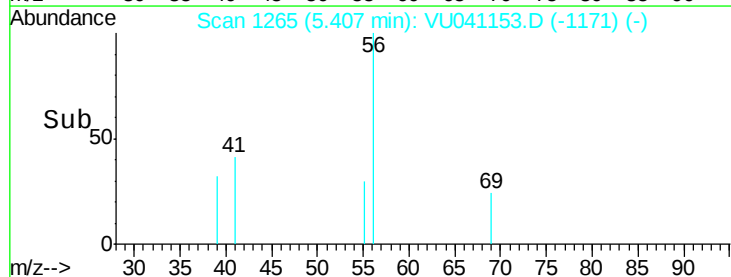
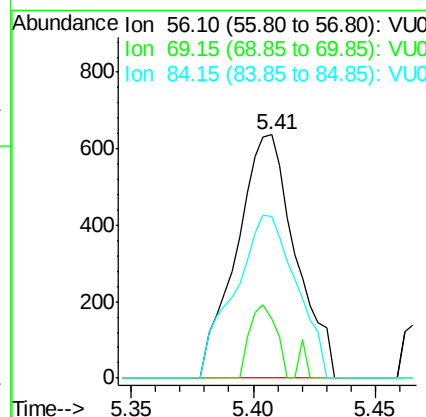
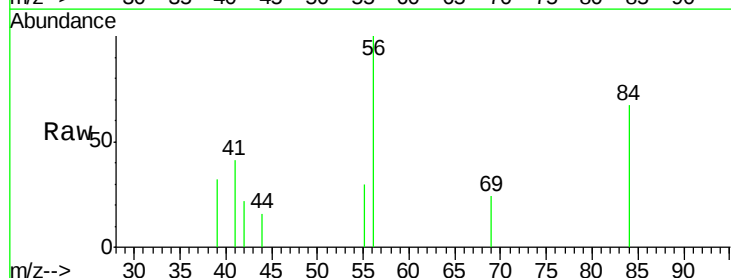
Instrument :
 MSVOA_U
 ClientSampled :
 GB0W4

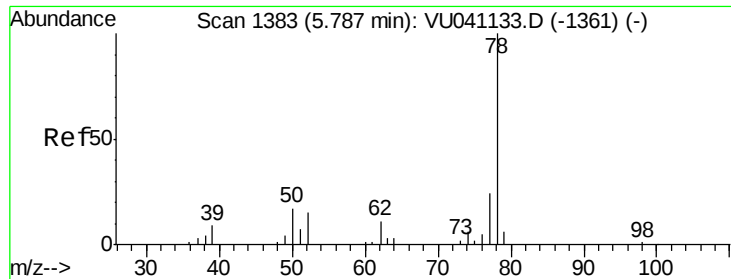
Tot Ion: 62.00 Resp: 9999
 Ion Ratio Lower Upper
 62 100
 98 8.2 7.6 11.4



#30
 Cyclohexane
 Concen: 0.173 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU041153.D
 Acq: 09 Nov 2020 20:00

Tgt Ion: 56 Resp: 1064
 Ion Ratio Lower Upper
 56 100
 69 13.3 22.8 34.2#
 84 70.4 63.6 95.4

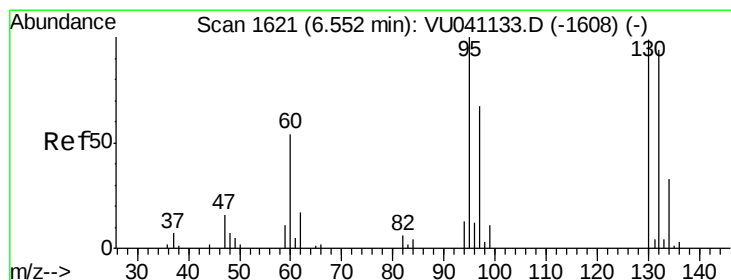
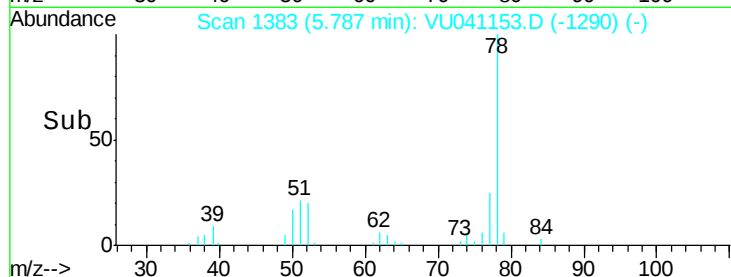
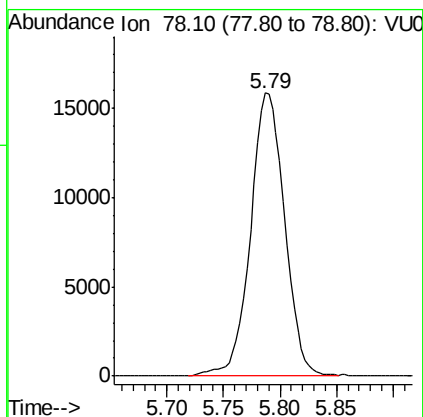
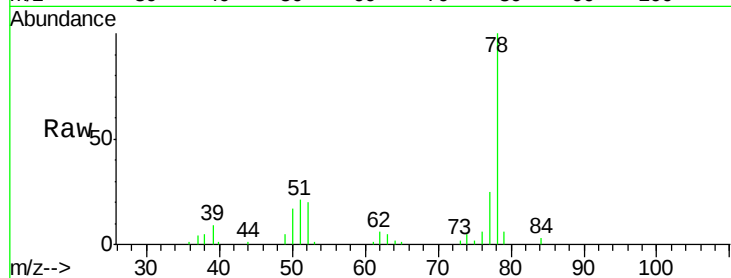




#33
Benzene
Concen: 2.182 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041153.D
Acq: 09 Nov 2020 20:00

Tgt Ion: 78 Resp: 33247

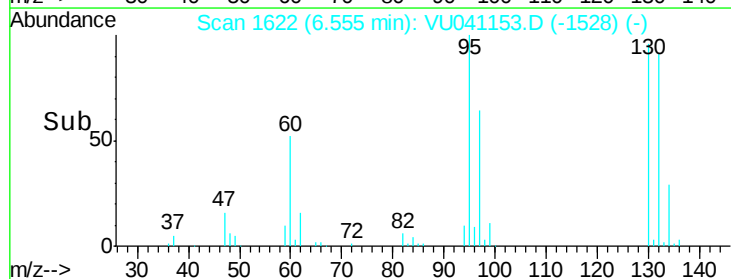
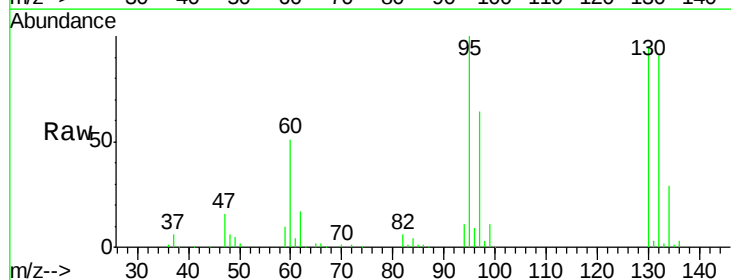
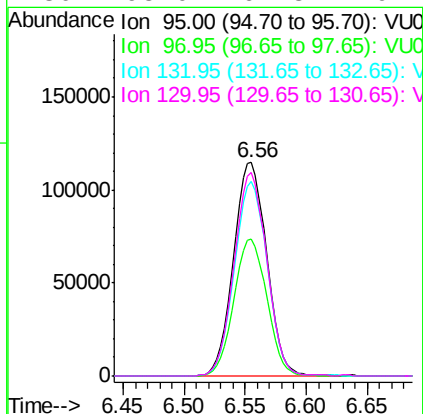
Instrument :
MSVOA_U
ClientSampled :
GB0W4

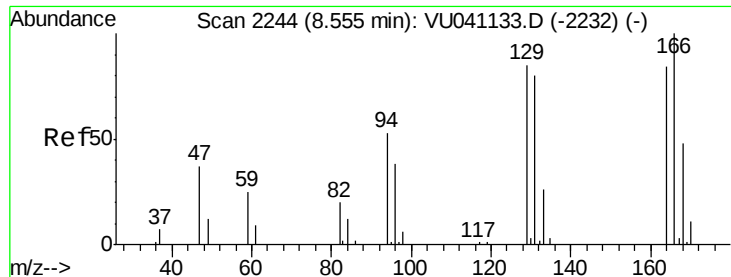


#34
Trichloroethene
Concen: 55.787 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041153.D
Acq: 09 Nov 2020 20:00

Tgt Ion: 95 Resp: 216288

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.6	84.6
132	90.8	64.8	120.4
130	95.0	64.8	120.4





#47

Tetrachloroethene

Concen: 0.582 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041153.D

Acq: 09 Nov 2020 20:00

Instrument :

MSVOA_U

ClientSampleId :

GB0W4

Tot Ion:164 Resp: 1660

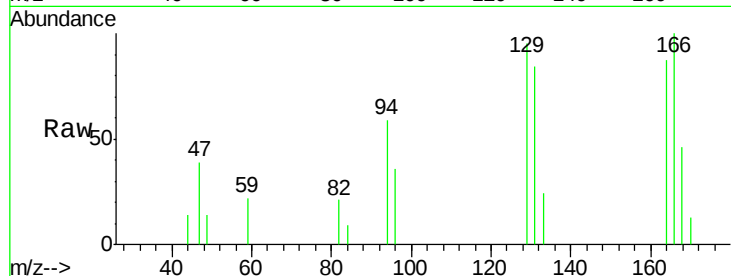
Ion Ratio Lower Upper

164 100

129 109.9 70.3 130.7

131 96.6 70.8 131.4

166 115.2 92.0 170.8

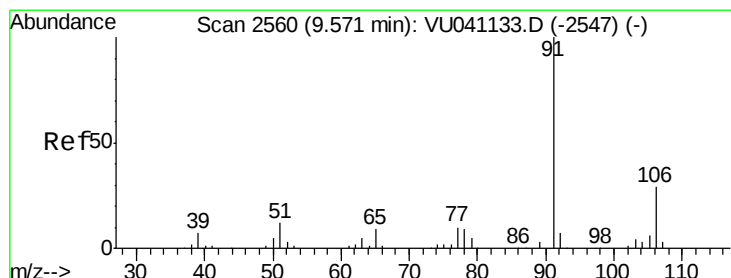
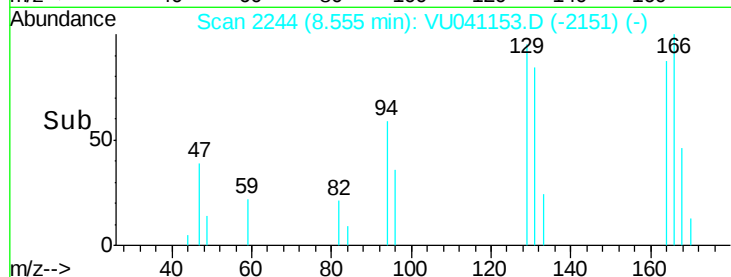
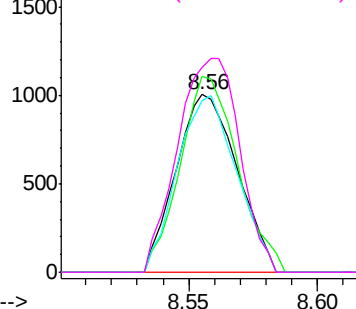


Abundance Ion 163.90 (163.60 to 164.60): V

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



#52

Ethylbenzene

Concen: 0.057 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041153.D

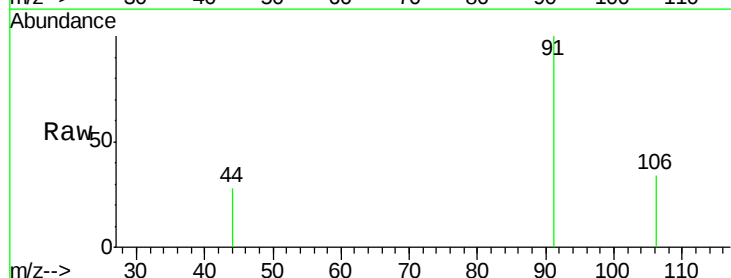
Acq: 09 Nov 2020 20:00

Tgt Ion: 91 Resp: 920

Ion Ratio Lower Upper

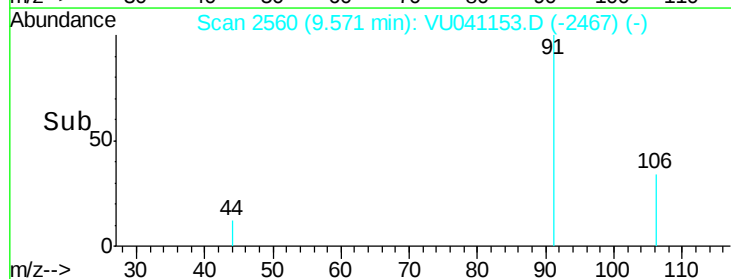
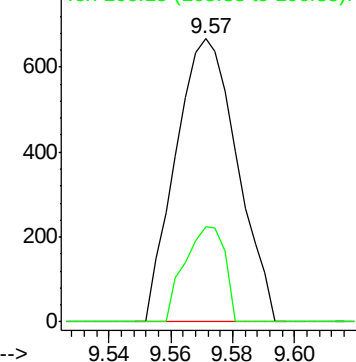
91 100

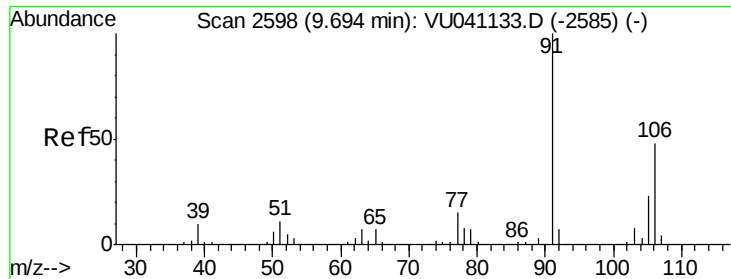
106 33.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.467 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041153.D

Acq: 09 Nov 2020 20:00

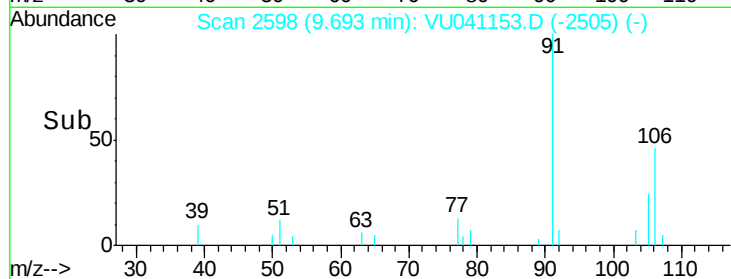
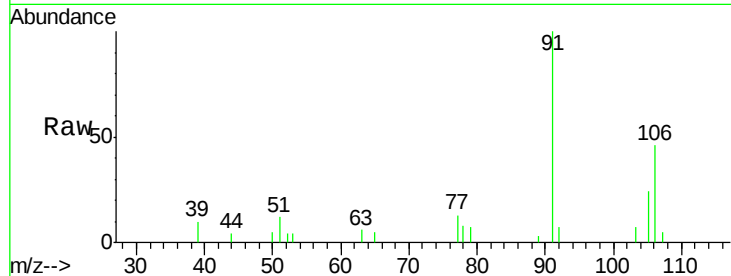
Instrument :
MSVOA_U
ClientSampleId :
GB0W4

Tot Ion:106 Resp: 2770

Ion Ratio Lower Upper

106 100

91 216.2 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

