

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039405.D
 Acq On : 09 Jul 2020 19:06
 Operator : SY/MD
 Sample : L3231-04DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4290DL

Quant Time: Jul 10 01:42:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	100238	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	93177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44265	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26871	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.93	69	31296	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	42719	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.65	46	156748	58.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.94%
24) Chloroform-d	5.08	84	66786	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.72	65	43262	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.75	84	125460	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.71	67	44296	5.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.40%
41) Toluene-d8	7.91	98	108868	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
43) trans-1,3-Dichloropropene-	8.19	79	16828	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.64	63	110989	53.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.52%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40097	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44159	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

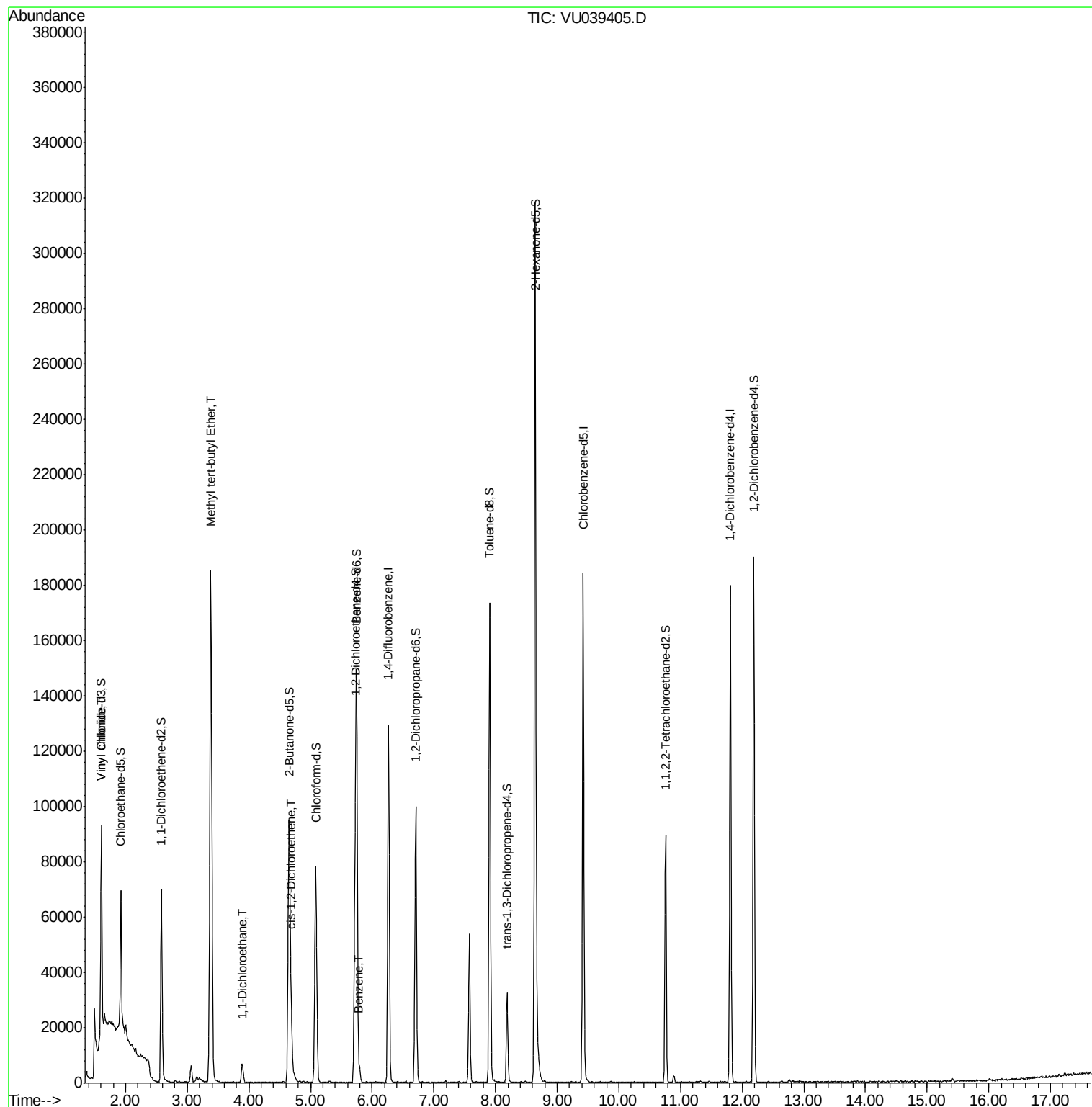
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	9399	1.150	ug/L	# 1
17) Methyl tert-butyl Ether	3.38	73	204759	10.901	ug/L	99
19) 1,1-Dichloroethane	3.89	63	7694	0.596	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	2669	0.361	ug/L	95
33) Benzene	5.79	78	4241	0.152	ug/L	100

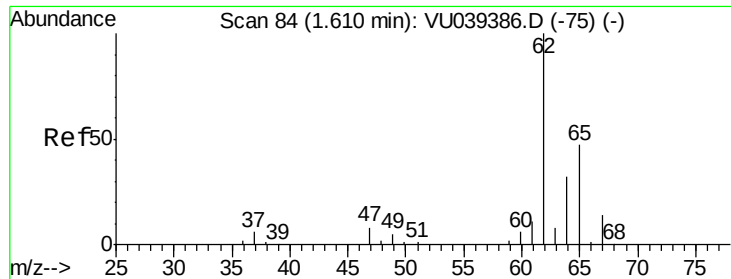
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.150 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039405.D

Acq: 09 Jul 2020 19:06

Instrument :

MSVOA_U

ClientSampled :

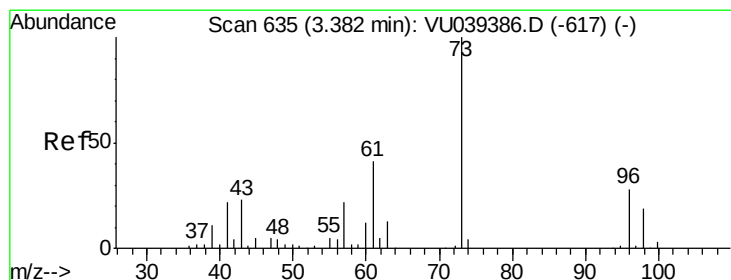
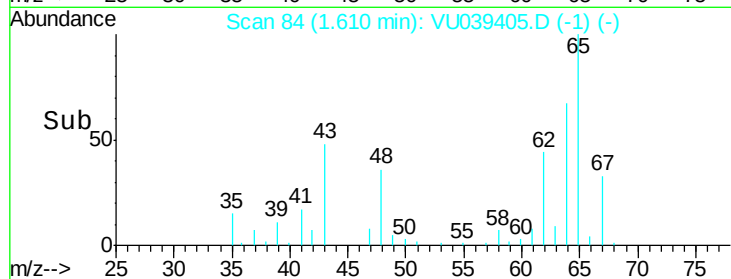
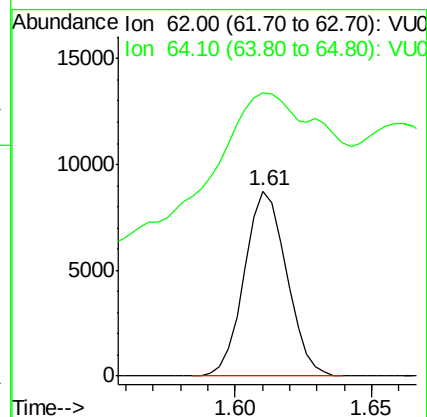
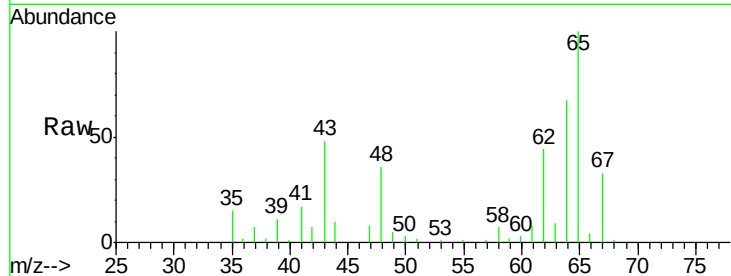
H4290DL

Tot Ion: 62 Resp: 9399

Ion Ratio Lower Upper

62 100

64 152.8 23.7 44.1#



#17

Methyl tert-butyl Ether

Concen: 10.901 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039405.D

Acq: 09 Jul 2020 19:06

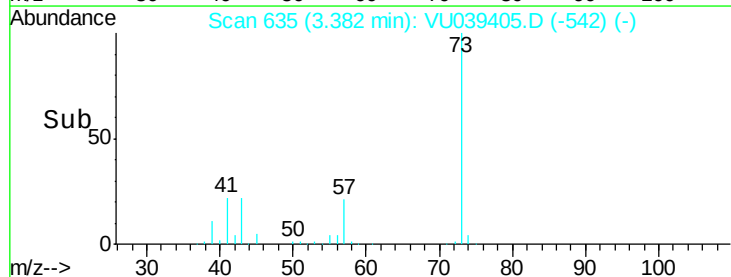
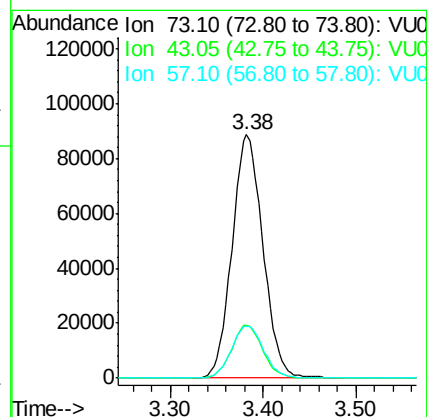
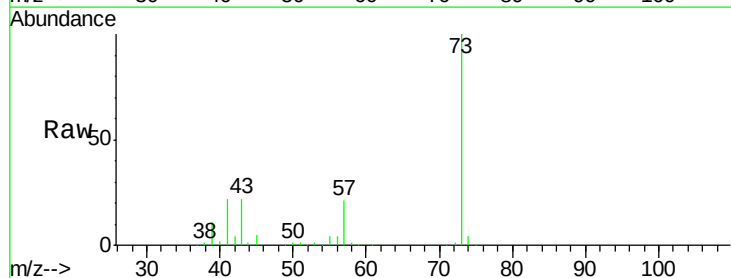
Tgt Ion: 73 Resp: 204759

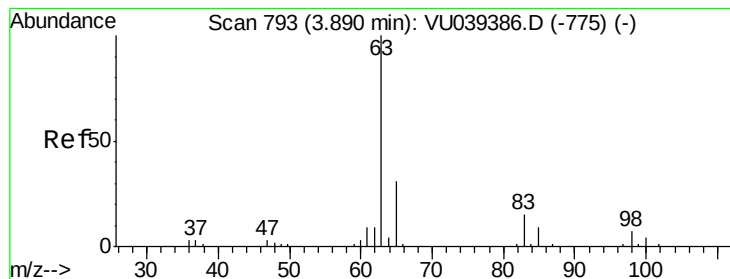
Ion Ratio Lower Upper

73 100

43 22.0 18.6 28.0

57 22.3 17.9 26.9





#19

1,1-Dichloroethane

Concen: 0.596 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039405.D

Acq: 09 Jul 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

H4290DL

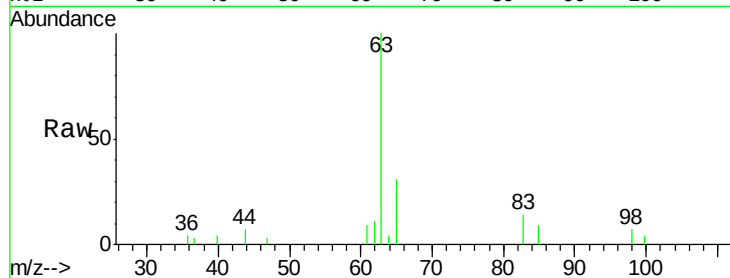
Tot Ion: 63 Resp: 7694

Ion Ratio Lower Upper

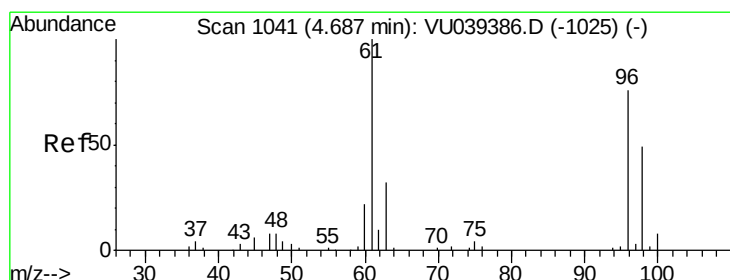
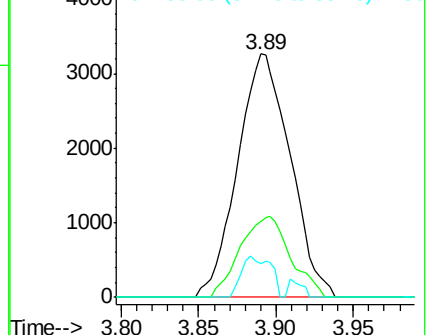
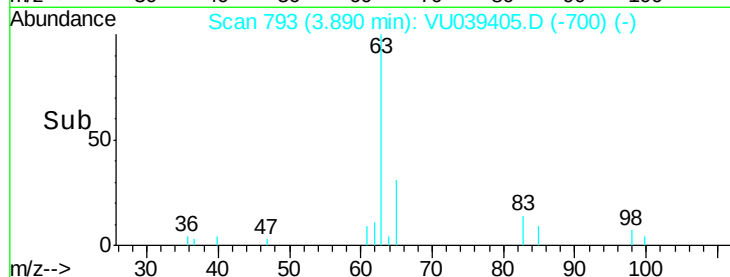
63 100

65 31.3 23.0 42.6

83 13.9 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039405.D (-700) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.361 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039405.D

Acq: 09 Jul 2020 19:06

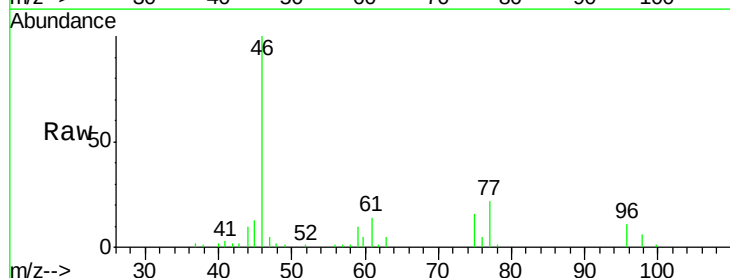
Tgt Ion: 96 Resp: 2669

Ion Ratio Lower Upper

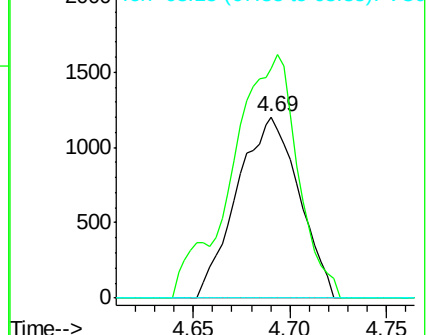
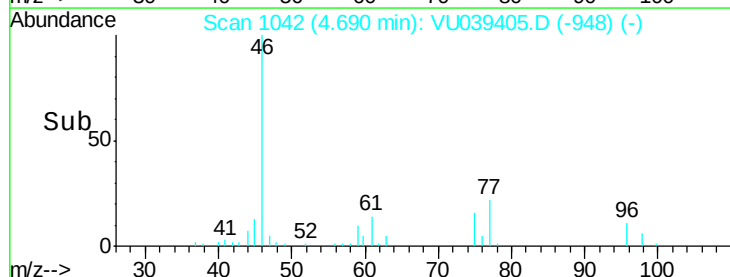
96 100

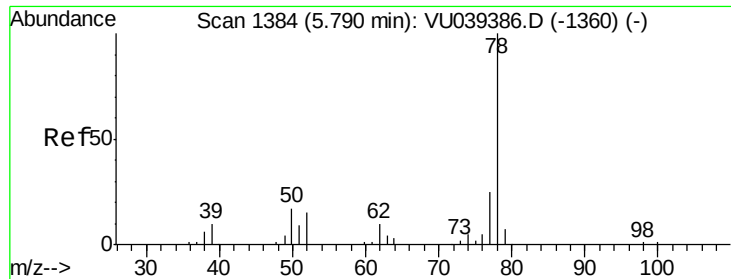
61 126.9 92.8 172.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039405.D (-948) (-)





#33

Benzene

Concen: 0.152 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039405.D

Acq: 09 Jul 2020 19:06

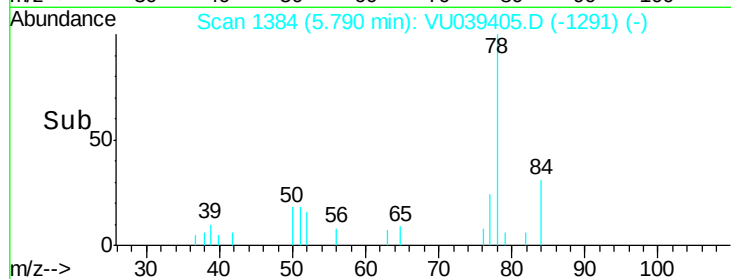
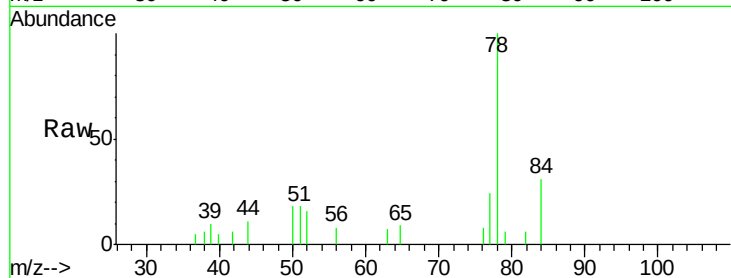
Instrument :

MSVOA_U

ClientSampleId :

H4290DL

Tgt Ion: 78 Resp: 4241



Abundance Ion 78.10 (77.80 to 78.80): VU0

