

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070820\
 Data File : VU039352.D
 Acq On : 08 Jul 2020 17:07
 Operator : SY/MD
 Sample : L3231-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4290

Quant Time: Jul 09 04:43:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	103056	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96637	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47185	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32807	5.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.80%
7) Chloroethane-d5	1.93	69	31481	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.58	63	49608	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	168243	61.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.12%
24) Chloroform-d	5.09	84	71650	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.72	65	44926	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.75	84	138772	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.20%
36) 1,2-Dichloropropane-d6	6.71	67	47816	5.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.00%
41) Toluene-d8	7.91	98	119766	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
43) trans-1,3-Dichloropropene-	8.19	79	19336	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.64	63	123296	57.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.18%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44117	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48218	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

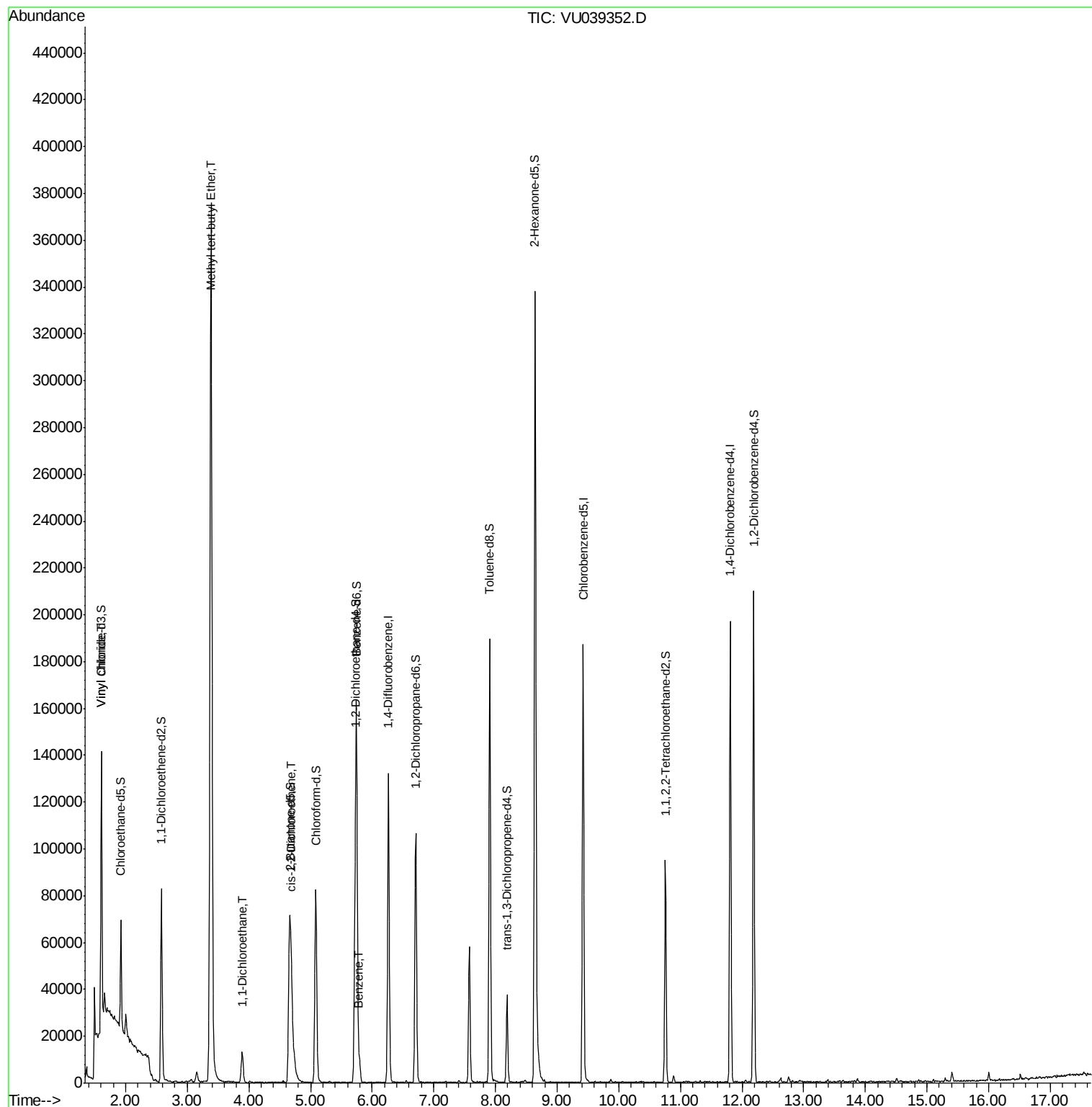
					Ovalue
5) Vinyl chloride	1.61	62	17679	2.104	ug/L # 1
17) Methyl tert-butyl Ether	3.38	73	428453	22.186	ug/L 99
19) 1,1-Dichloroethane	3.89	63	15010	1.131	ug/L 94
22) cis-1,2-Dichloroethene	4.69	96	4098	0.539	ug/L 93
33) Benzene	5.79	78	8284	0.287	ug/L 100

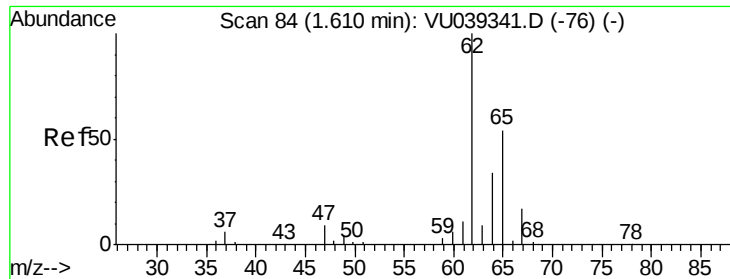
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.104 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

Instrument :

MSVOA_U

ClientSampled :

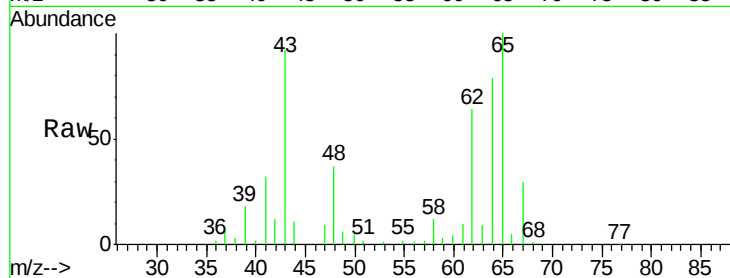
H4290

Tot Ion: 62 Resp: 17679

Ion Ratio Lower Upper

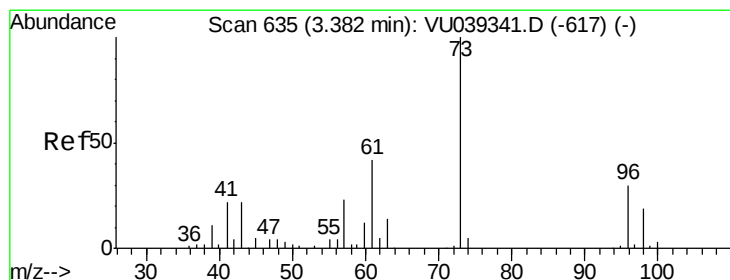
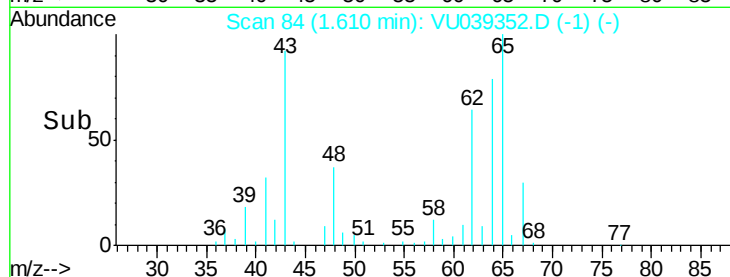
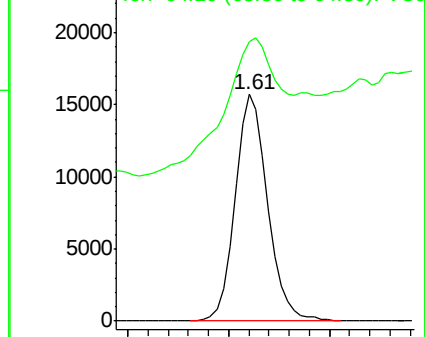
62 100

64 123.4 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#17

Methyl tert-butyl Ether

Concen: 22.186 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

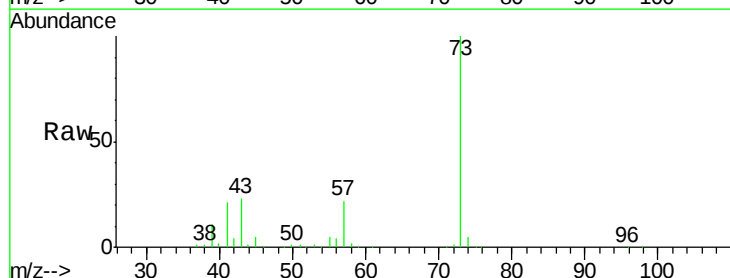
Tgt Ion: 73 Resp: 428453

Ion Ratio Lower Upper

73 100

43 22.4 18.6 28.0

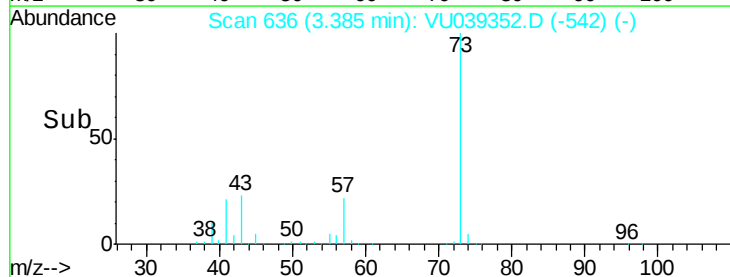
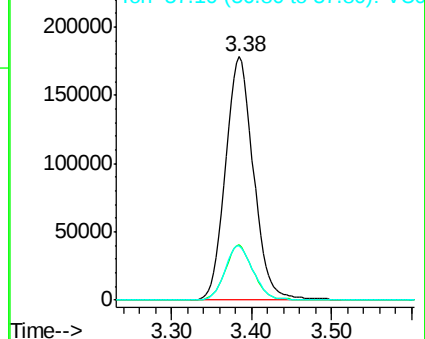
57 22.7 17.9 26.9

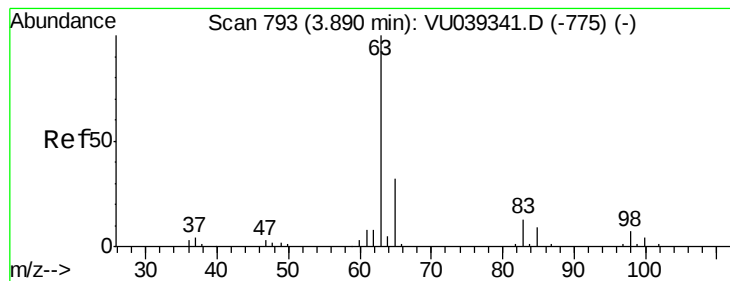


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#19

1,1-Dichloroethane

Concen: 1.131 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

H4290

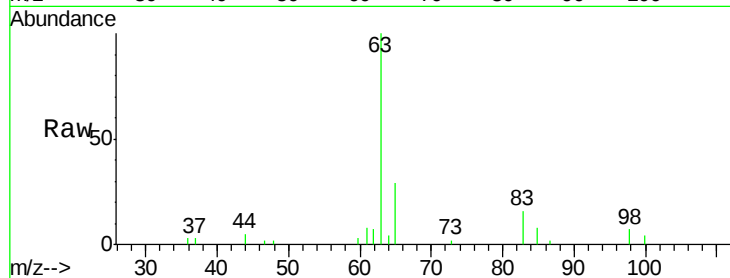
Tot Ion: 63 Resp: 15010

Ion Ratio Lower Upper

63 100

65 28.8 23.0 42.6

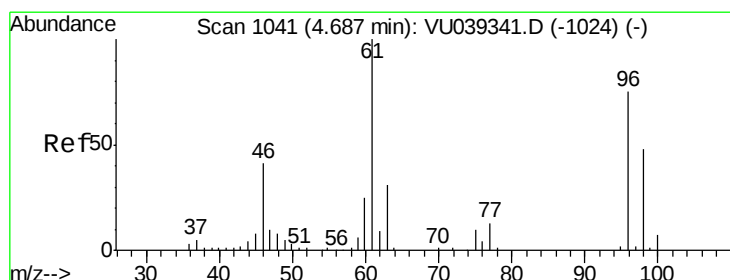
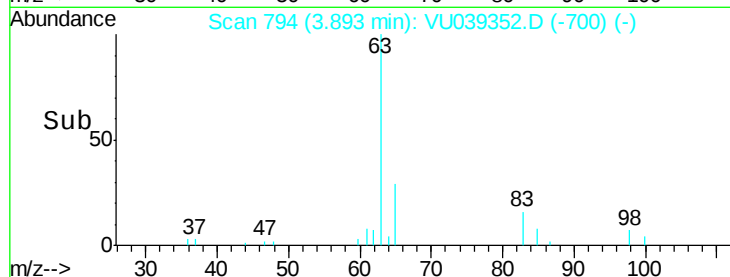
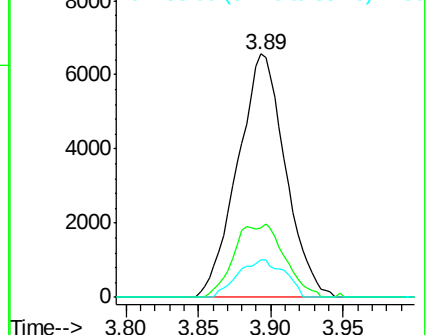
83 15.6 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039352.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU039352.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU039352.D (-775) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.539 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

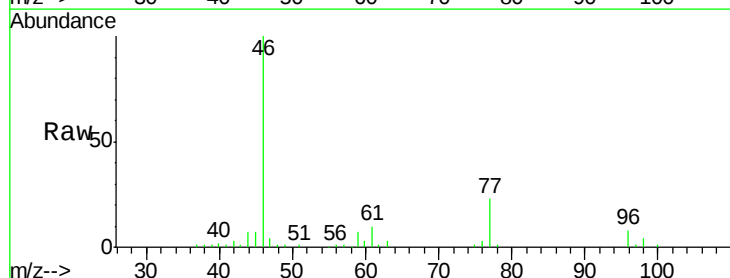
Tgt Ion: 96 Resp: 4098

Ion Ratio Lower Upper

96 100

61 124.7 92.8 172.4

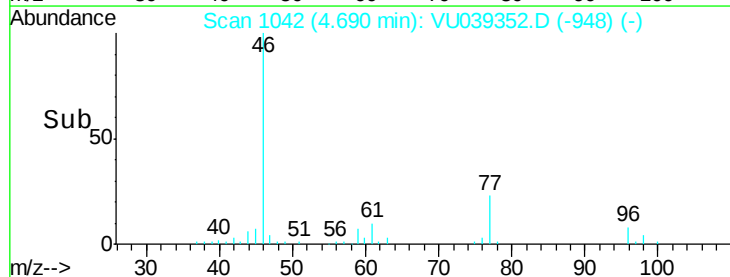
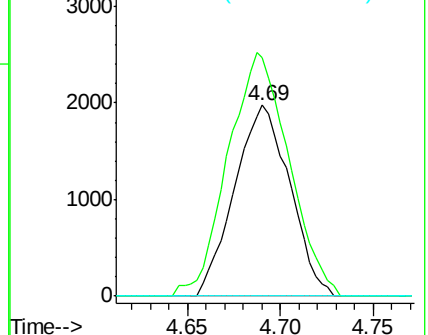
68 0.0 0.0 0.0

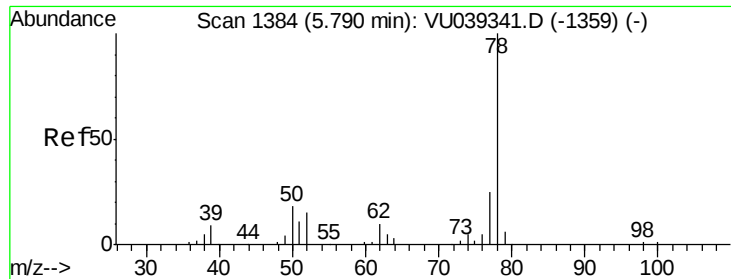


Abundance Ion 96.00 (95.70 to 96.70): VU039352.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039352.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039352.D (-948) (-)





#33

Benzene

Concen: 0.287 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

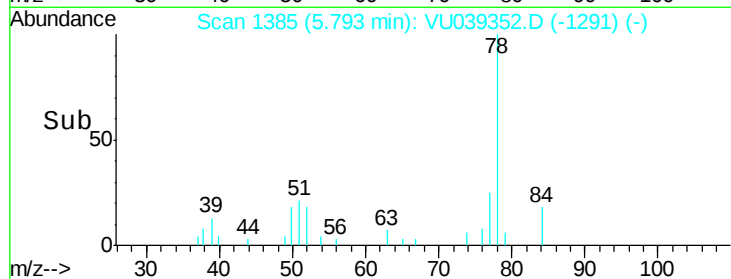
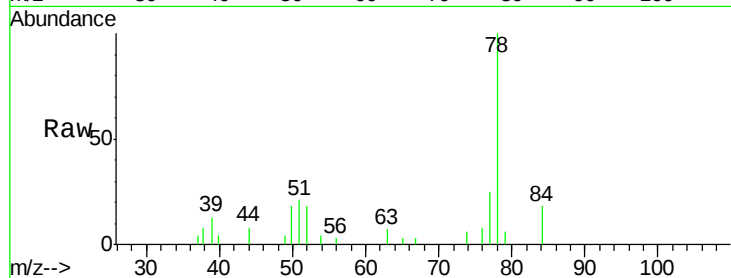
Instrument :

MSVOA_U

ClientSampleId :

H4290

Tgt Ion: 78 Resp: 8284



Abundance Ion 78.10 (77.80 to 78.80): VU0

