

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039403.D
 Acq On : 09 Jul 2020 18:20
 Operator : SY/MD
 Sample : L3231-02DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4284DL

Quant Time: Jul 10 10:16:41 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	101938	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95275	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47079	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25232	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.92	69	53475	8.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	177.00%#
11) 1,1-Dichloroethene-d2	2.57	63	44277	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.65	46	159905	59.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.30%
24) Chloroform-d	5.08	84	61406	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	44857	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.74	84	131488	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.70	67	45417	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.80%
41) Toluene-d8	7.91	98	113675	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
43) trans-1,3-Dichloropropene-	8.19	79	18251	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.65	63	123336	58.43	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.86%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43677	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47652	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

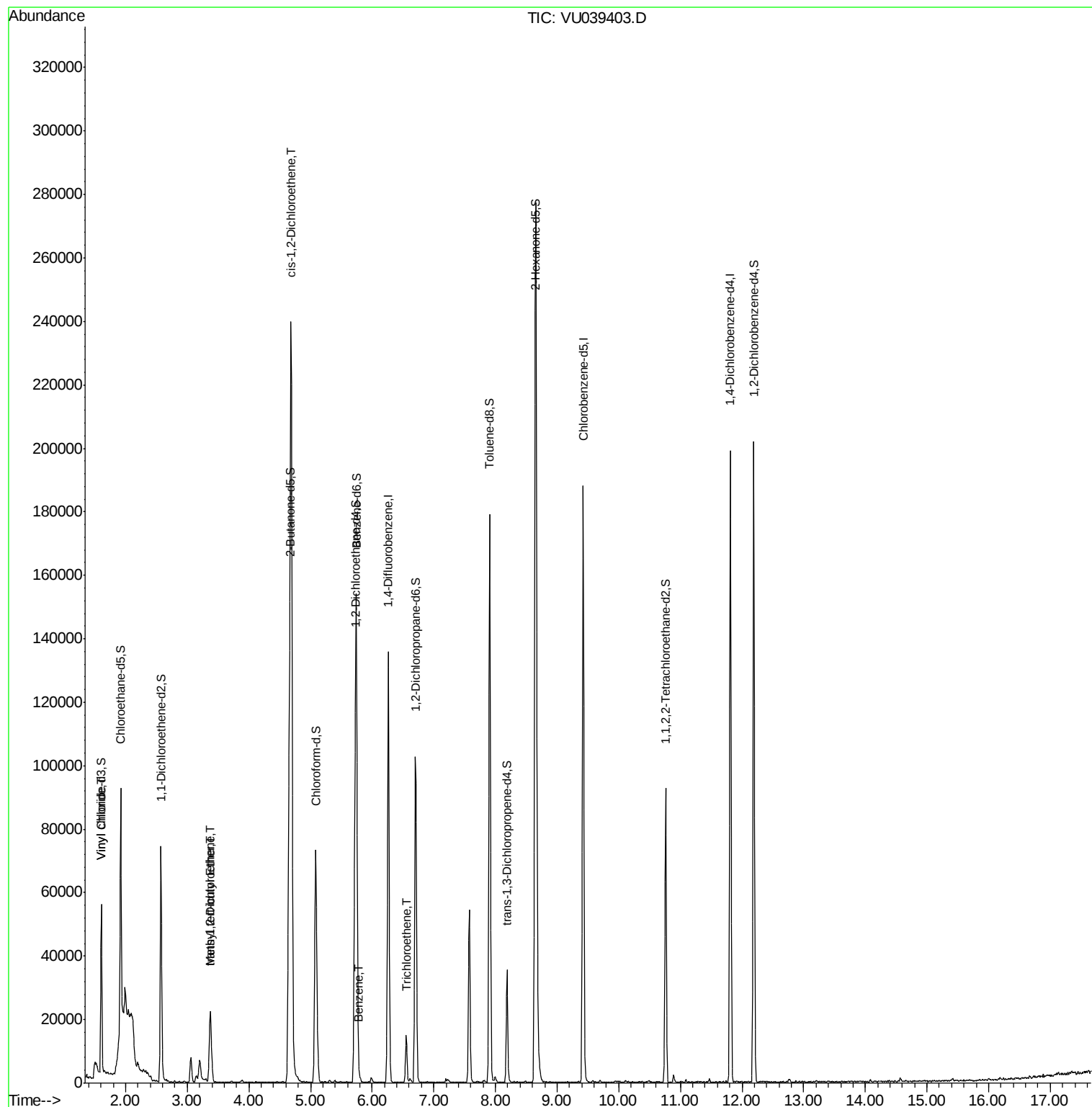
					Ovalue
5) Vinyl chloride	1.61	62	8462	1.018 ug/L #	79
17) Methyl tert-butyl Ether	3.38	73	13972	0.731 ug/L	95
18) trans-1,2-Dichloroethene	3.37	96	5247	0.782 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	97377	12.939 ug/L	93
33) Benzene	5.79	78	2416	0.085 ug/L	100
34) Trichloroethene	6.56	95	4384	0.595 ug/L	93

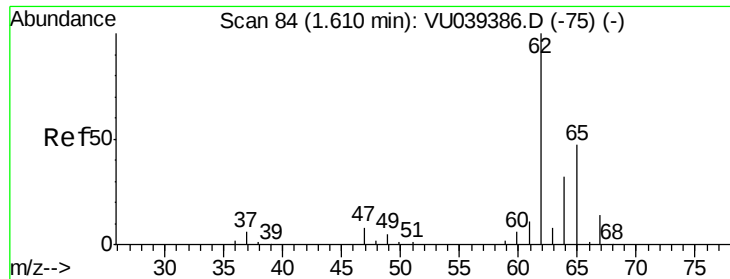
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.018 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

Instrument :

MSVOA_U

ClientSampled :

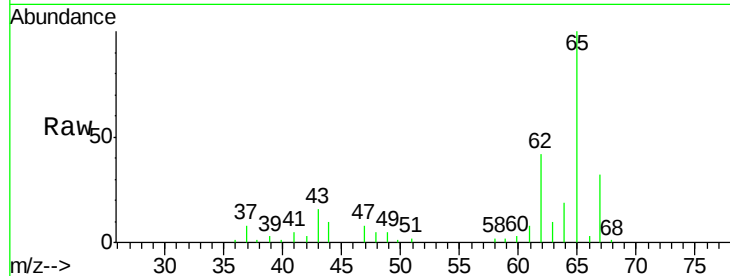
H4284DL

Tot Ion: 62 Resp: 8462

Ion Ratio Lower Upper

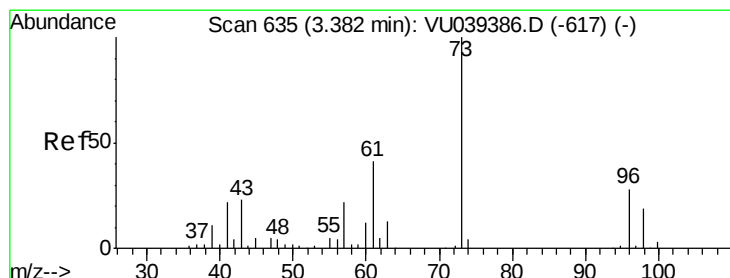
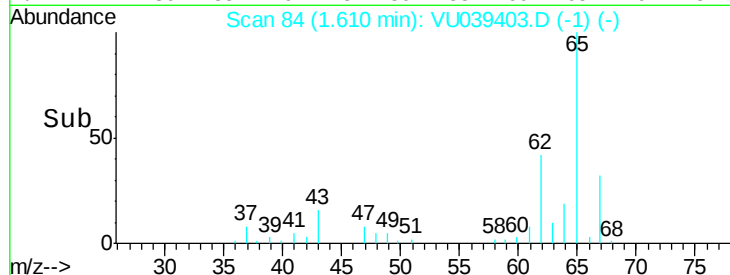
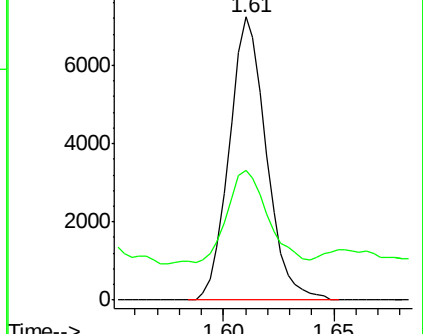
62 100

64 46.0 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: 0.731 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

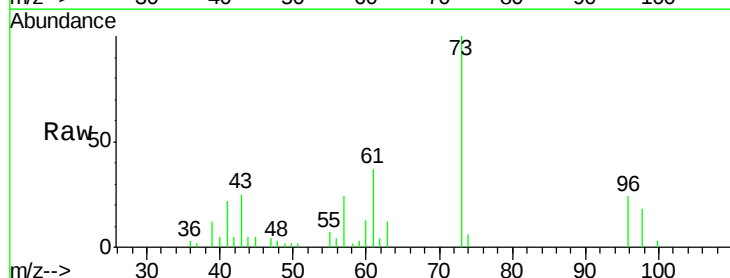
Tgt Ion: 73 Resp: 13972

Ion Ratio Lower Upper

73 100

43 21.9 18.6 28.0

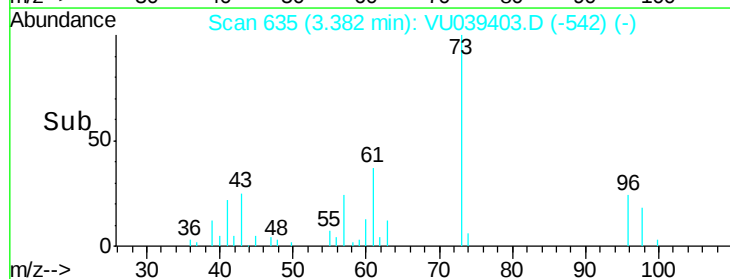
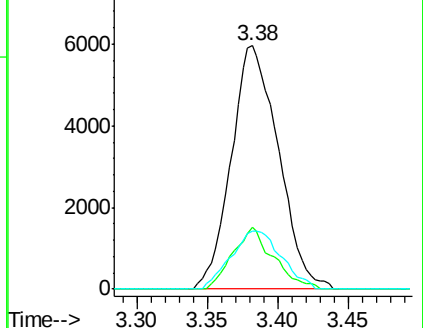
57 25.4 17.9 26.9

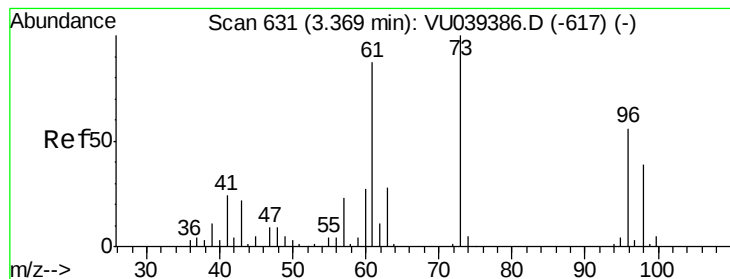


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.782 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

Instrument :

MSVOA_U

ClientSampled :

H4284DL

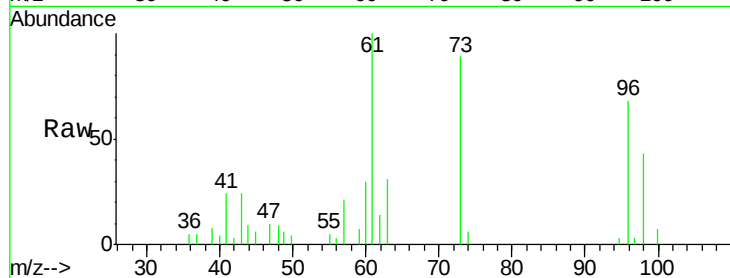
Tot Ion: 96 Resp: 5247

Ion Ratio Lower Upper

96 100

61 147.5 102.1 189.5

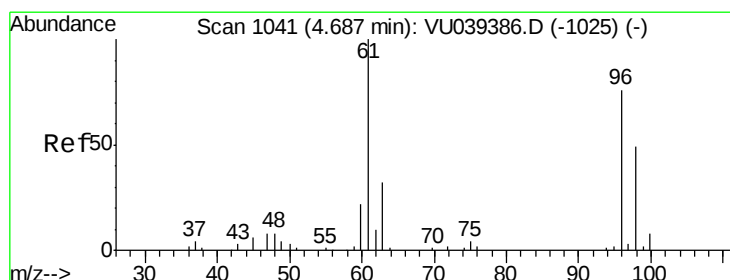
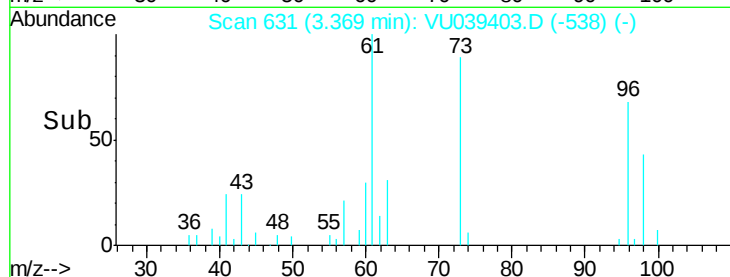
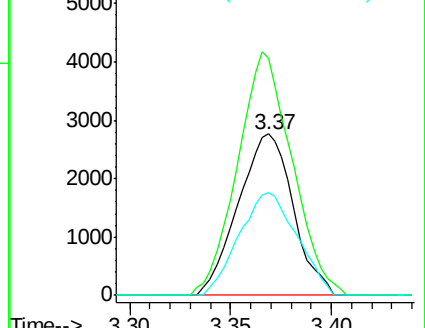
98 63.6 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU039386.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU039386.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU039386.D (-617) (-)



#22

cis-1,2-Dichloroethene

Concen: 12.939 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

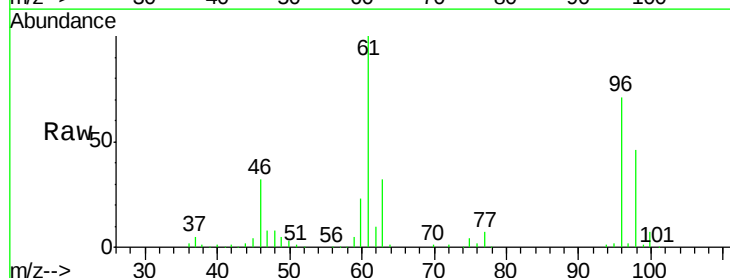
Tgt Ion: 96 Resp: 97377

Ion Ratio Lower Upper

96 100

61 140.5 92.8 172.4

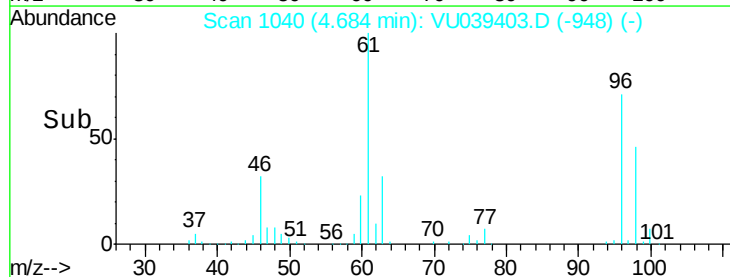
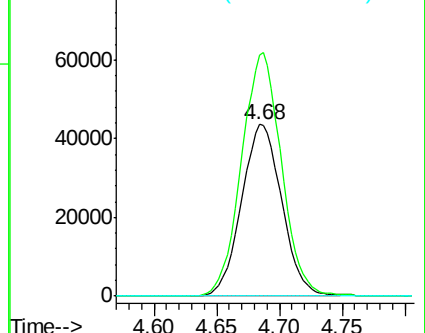
68 0.0 0.0 0.0

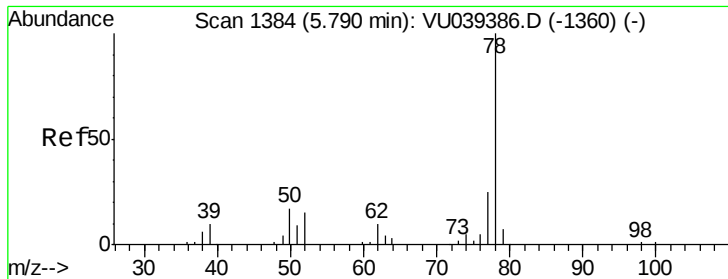


Abundance Ion 96.00 (95.70 to 96.70): VU039386.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039386.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039386.D (-1025) (-)





#33

Benzene

Concen: 0.085 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

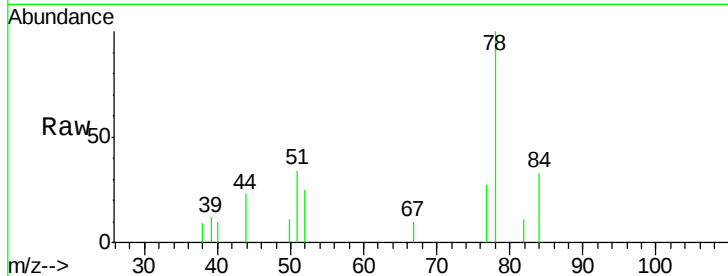
Instrument :

MSVOA_U

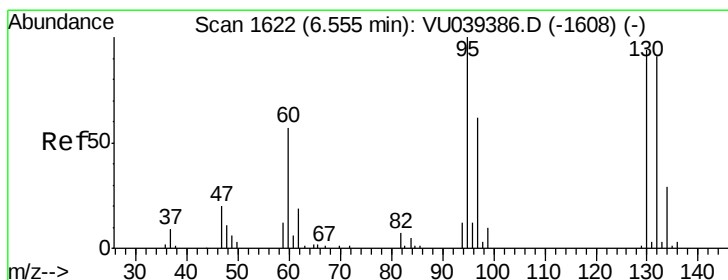
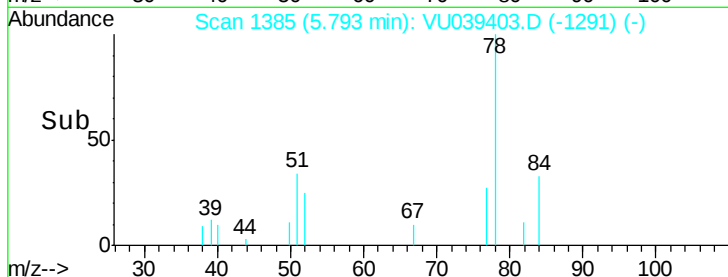
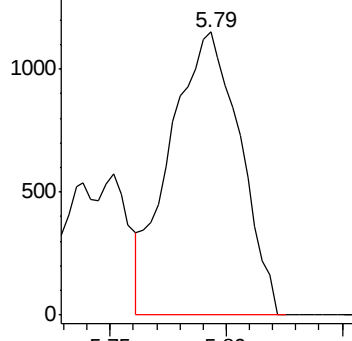
ClientSampleId :

H4284DL

Tgt Ion: 78 Resp: 2416



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.595 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

Tgt Ion: 95 Resp: 4384

Ion	Ratio	Lower	Upper
95	100		
97	59.2	46.3	85.9
132	88.6	64.0	118.8
130	81.9	64.3	119.5

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): V

Ion 129.95 (129.65 to 130.65): V

