

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039398.D
 Acq On : 09 Jul 2020 16:25
 Operator : SY/MD
 Sample : L3231-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4284

Quant Time: Jul 10 09:51:22 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	95659	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	87790	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42814	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26760	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.93	69	28238	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.58	63	41712	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.66	46	158204	62.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.72%
24) Chloroform-d	5.09	84	61795	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.72	65	43548	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.74	84	128058	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.20%
36) 1,2-Dichloropropane-d6	6.71	67	45156	6.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.60%
41) Toluene-d8	7.91	98	109335	5.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.40%
43) trans-1,3-Dichloropropene-	8.19	79	17691	5.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.00%
46) 2-Hexanone-d5	8.64	63	115350	59.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.60%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	41350	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	44636	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

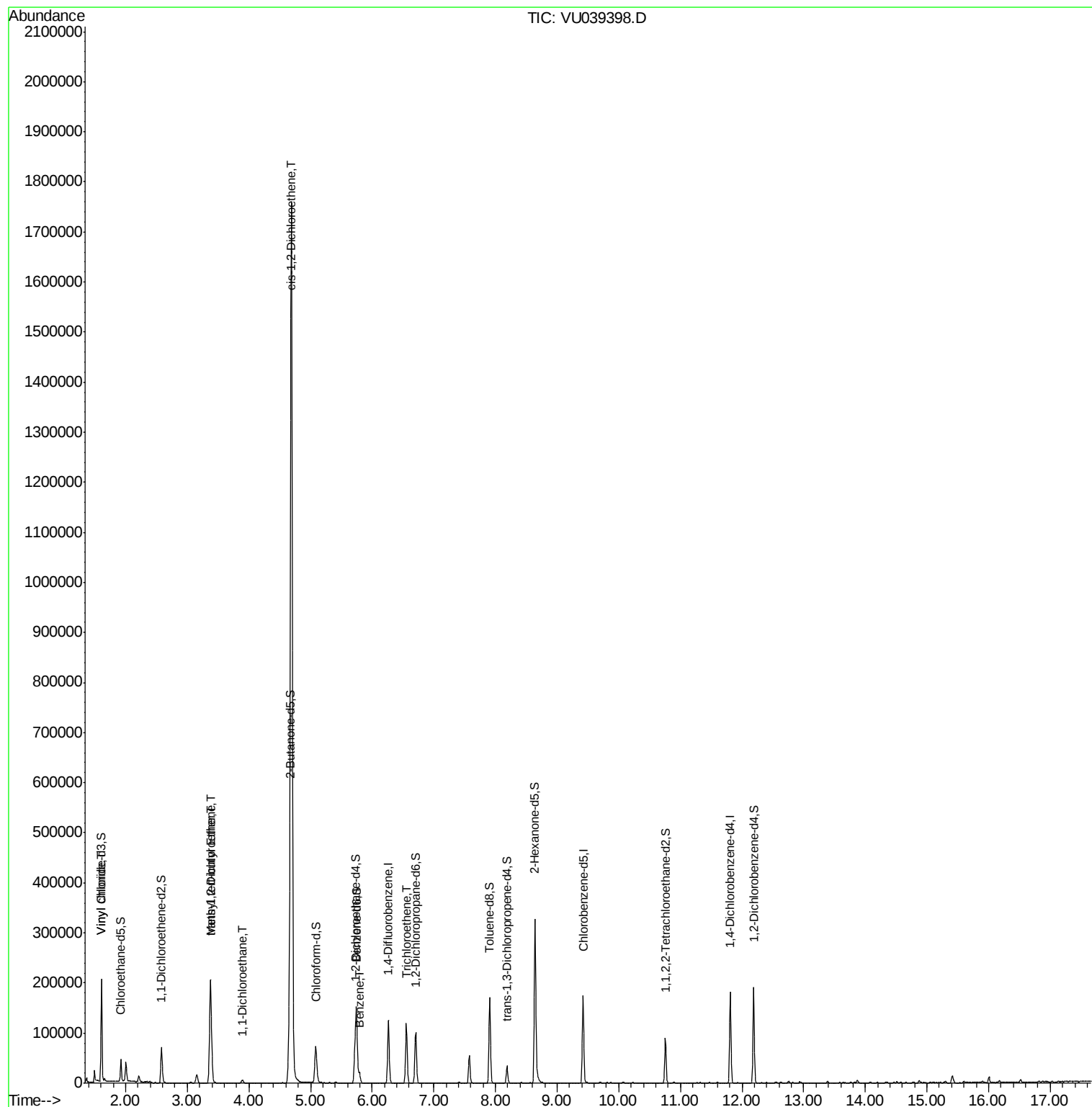
					Ovalue
5) Vinyl chloride	1.61	62	75903	9.731	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	117459	6.552	ug/L 99
18) trans-1,2-Dichloroethene	3.38	96	45740	7.262	ug/L 96
19) 1,1-Dichloroethane	3.90	63	6721	0.545	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	839351	118.853	ug/L 97
33) Benzene	5.79	78	18353	0.699	ug/L 100
34) Trichloroethene	6.56	95	38590	5.687	ug/L 98

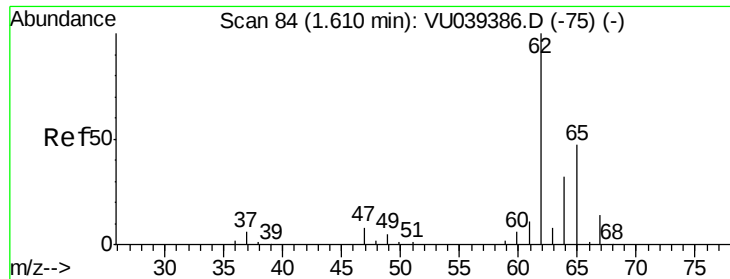
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 9.731 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

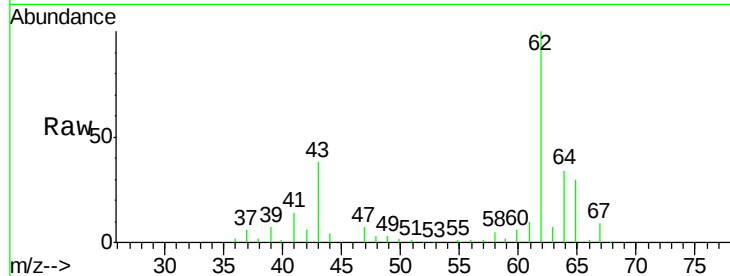
H4284

Tot Ion: 62 Resp: 75903

Ion Ratio Lower Upper

62 100

64 34.2 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039398.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039398.D (-75) (-)

1.61

60000

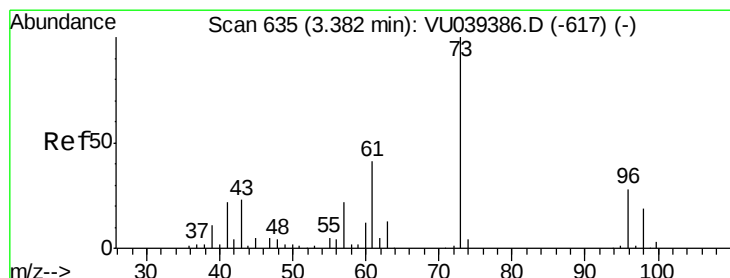
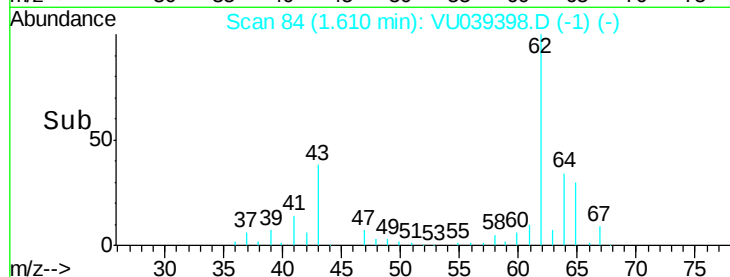
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#17

Methyl tert-butyl Ether

Concen: 6.552 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

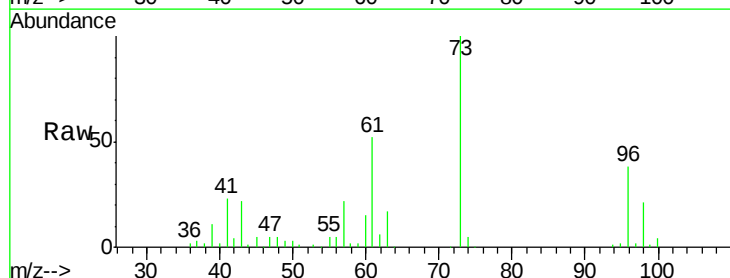
Tgt Ion: 73 Resp: 117459

Ion Ratio Lower Upper

73 100

43 23.2 18.6 28.0

57 23.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039398.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039398.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039398.D (-617) (-)

3.38

60000

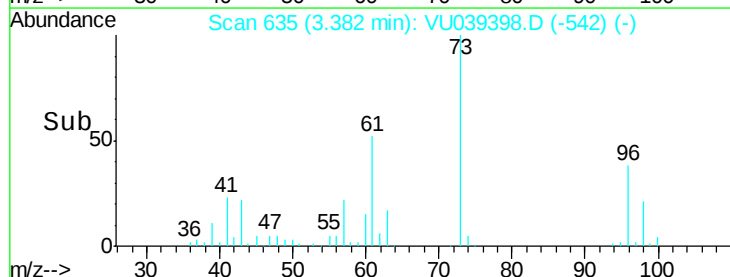
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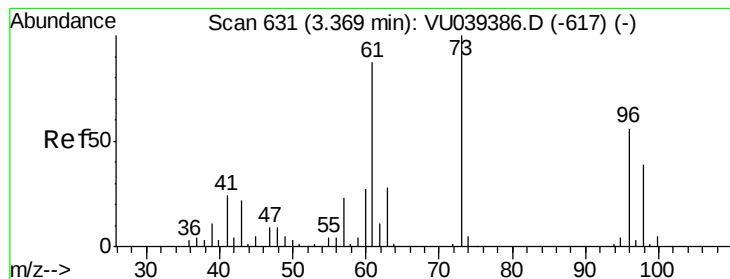
20000

0

Time-->

3.30 3.35 3.40 3.45





#18

trans-1,2-Dichloroethene

Concen: 7.262 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

H4284

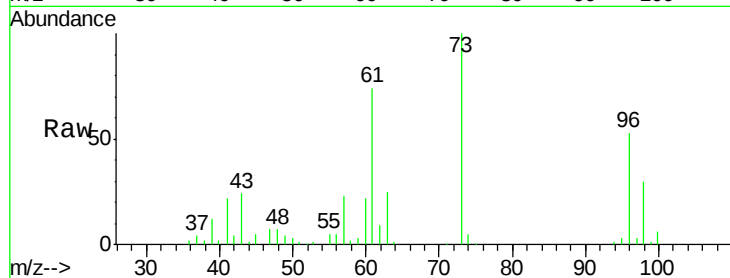
Tot Ion: 96 Resp: 45740

Ion Ratio Lower Upper

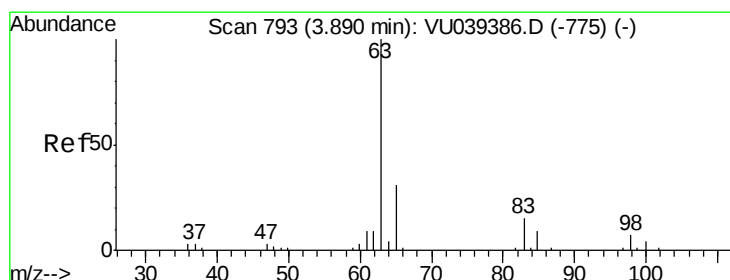
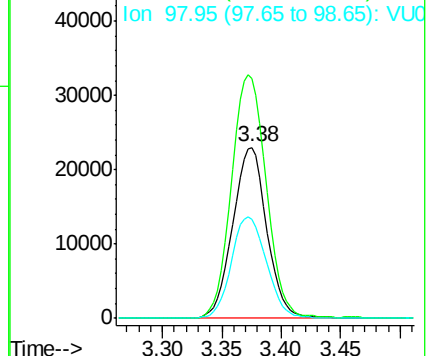
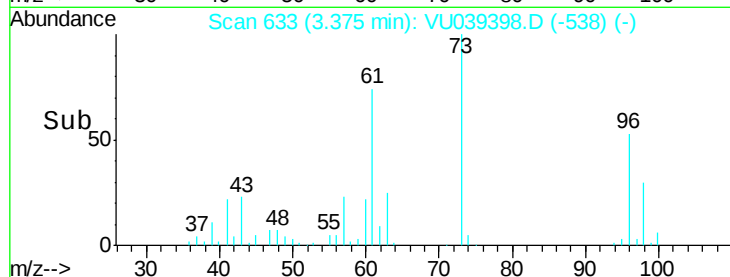
96 100

61 140.0 102.1 189.5

98 57.6 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU039398.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 0.545 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

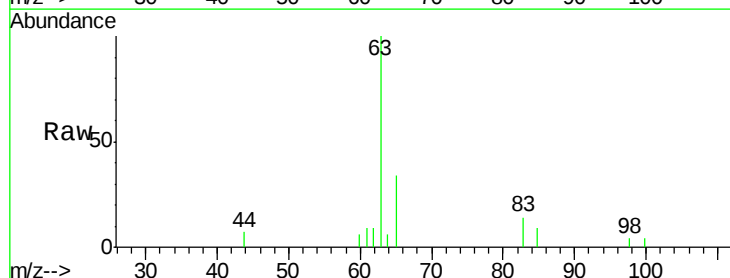
Tgt Ion: 63 Resp: 6721

Ion Ratio Lower Upper

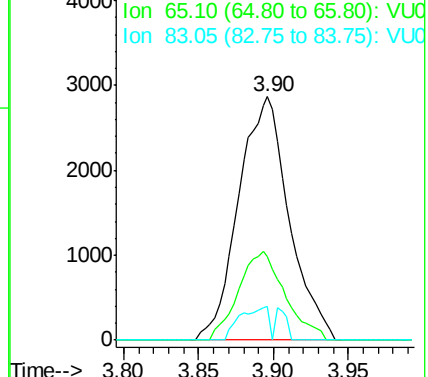
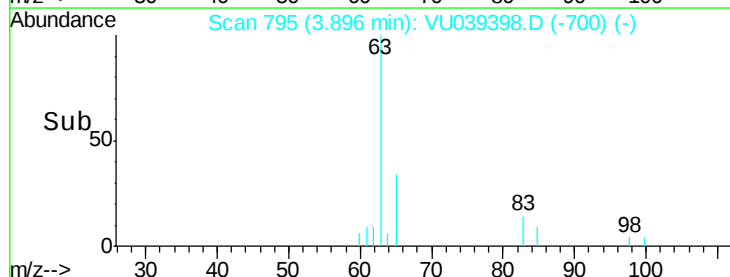
63 100

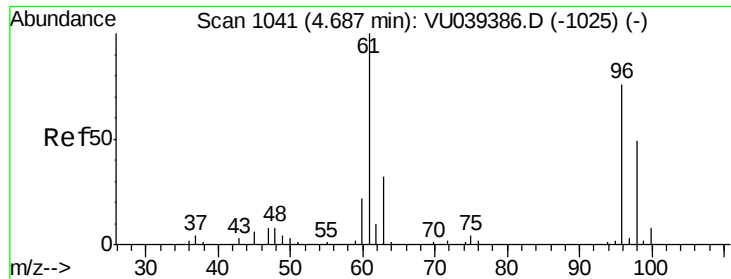
65 32.3 23.0 42.6

83 13.2 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039398.D (-700) (-)

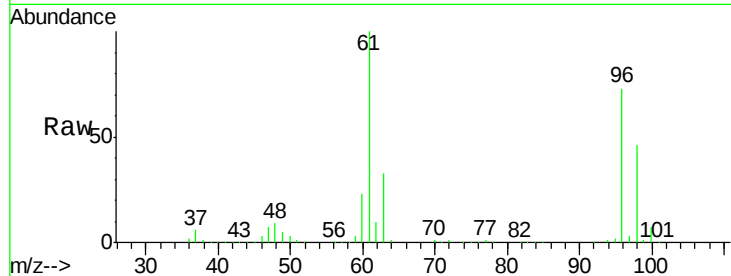




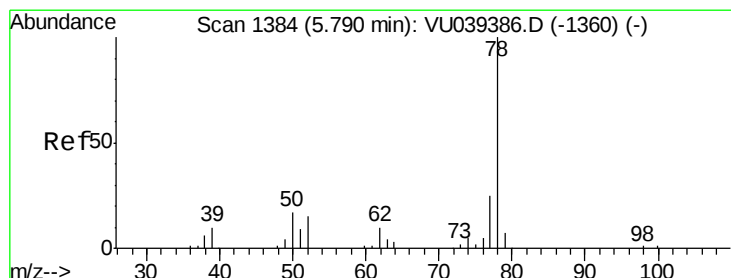
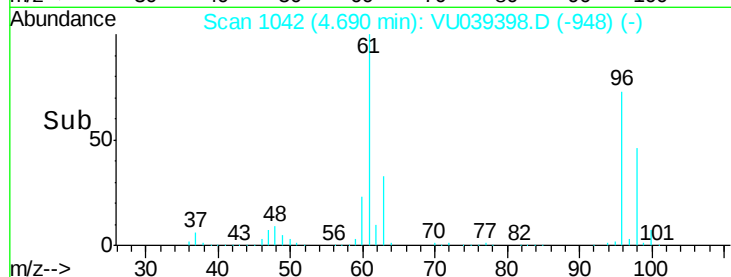
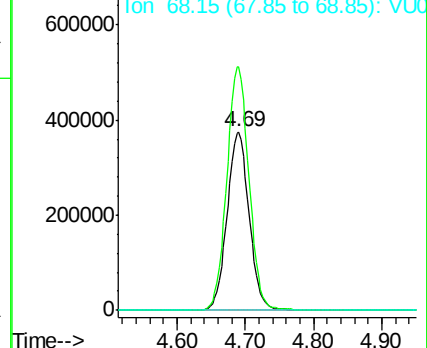
#22
 cis-1,2-Dichloroethene
 Concen: 118.853 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039398.D
 Acq: 09 Jul 2020 16:25

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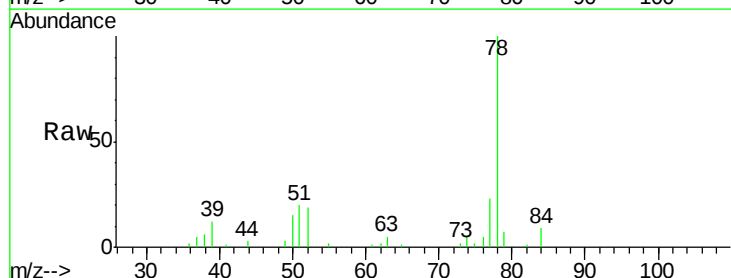
Tot Ion: 96 Resp: 839351
 Ion Ratio Lower Upper
 96 100
 61 136.1 92.8 172.4
 68 0.0 0.0 0.0



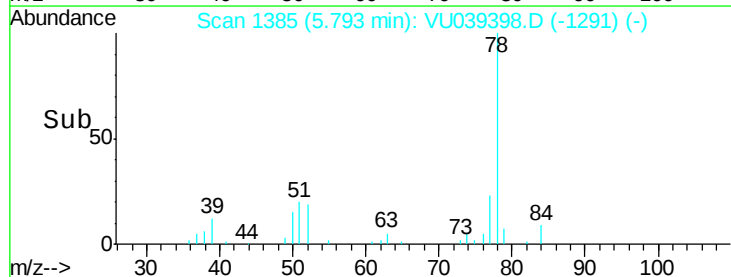
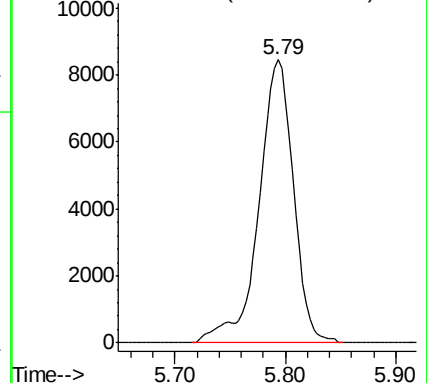
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

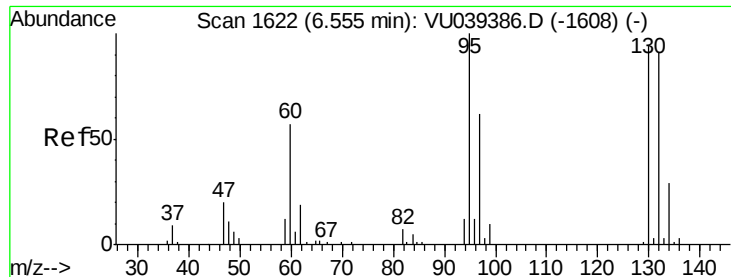


#33
 Benzene
 Concen: 0.699 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VU039398.D
 Acq: 09 Jul 2020 16:25
 Tgt Ion: 78 Resp: 18353



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34
 Trichloroethene
 Concen: 5.687 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039398.D
 Acq: 09 Jul 2020 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 H4284

Tot Ion:	95	Resp:	38590
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.3	85.9
132	89.8	64.0	118.8
130	94.2	64.3	119.5

