

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039396.D
 Acq On : 09 Jul 2020 15:38
 Operator : SY/MD
 Sample : L3231-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4310

Quant Time: Jul 10 09:48:50 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	103524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96425	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28813	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.93	69	29015	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.58	63	45372	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.66	46	167406	60.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.96%
24) Chloroform-d	5.08	84	66585	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.72	65	45095	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.75	84	130420	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.70	67	47244	5.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.80%
41) Toluene-d8	7.91	98	116040	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
43) trans-1,3-Dichloropropene-	8.19	79	19076	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.64	63	123111	57.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.26%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43377	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46861	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

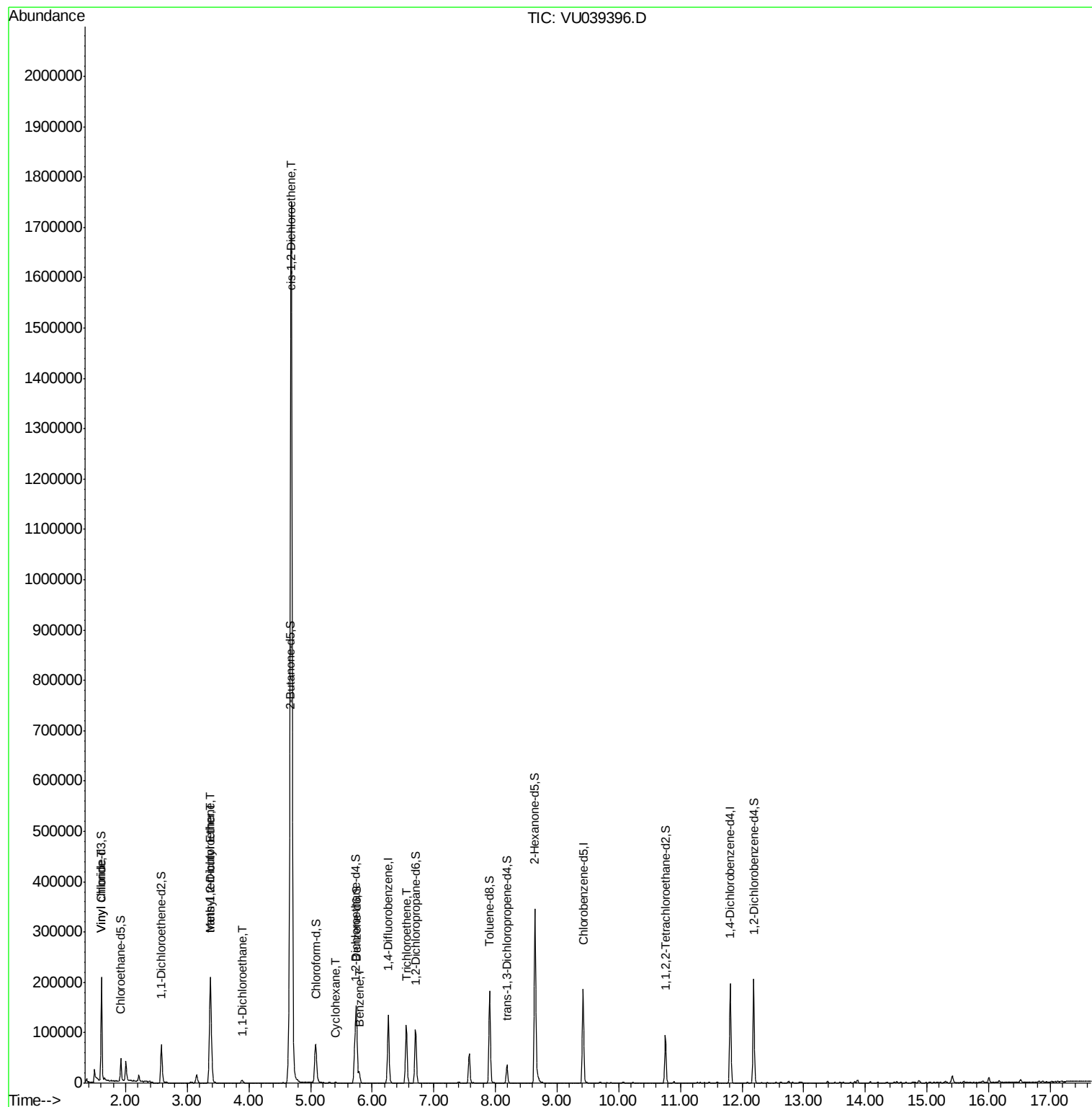
					Ovalue
5) Vinyl chloride	1.61	62	76480	9.060	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	120145	6.193	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	44782	6.570	ug/L 98
19) 1,1-Dichloroethane	3.89	63	6758	0.507	ug/L 96
22) cis-1,2-Dichloroethene	4.69	96	825871	108.059	ug/L 92
30) Cyclohexane	5.39	56	870	0.073	ug/L # 89
33) Benzene	5.79	78	18421	0.639	ug/L 100
34) Trichloroethene	6.56	95	36319	4.873	ug/L 99

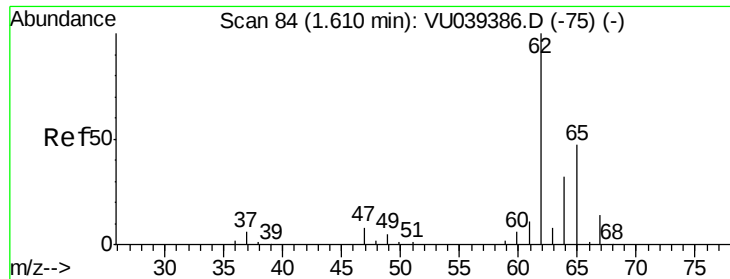
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.060 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

Instrument :

MSVOA_U

ClientSampled :

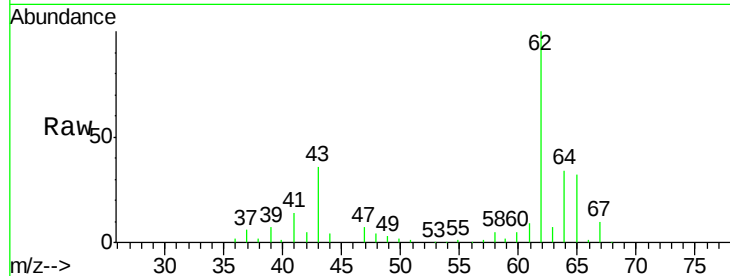
H4310

Tot Ion: 62 Resp: 76480

Ion Ratio Lower Upper

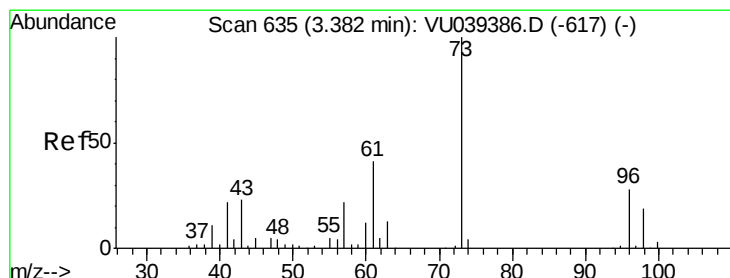
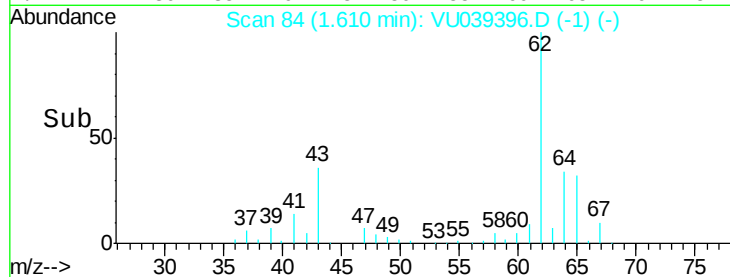
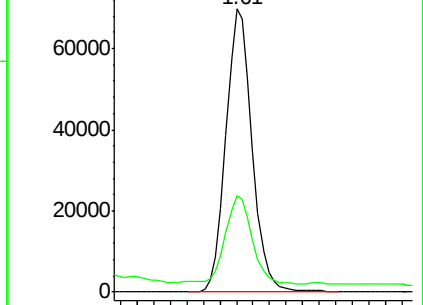
62 100

64 33.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039396.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039396.D (-75) (-)



#17

Methyl tert-butyl Ether

Concen: 6.193 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

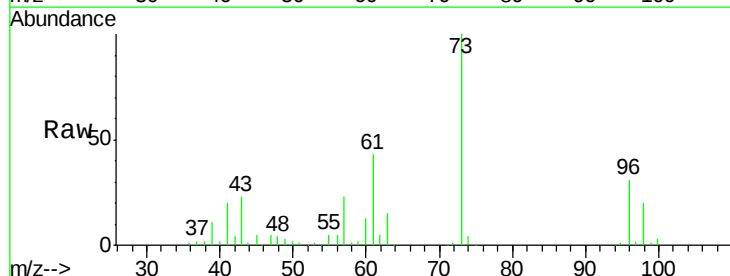
Tgt Ion: 73 Resp: 120145

Ion Ratio Lower Upper

73 100

43 22.6 18.6 28.0

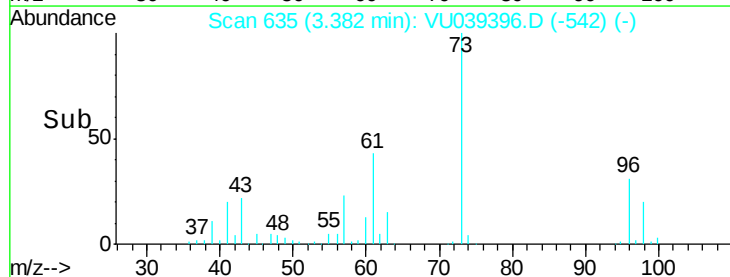
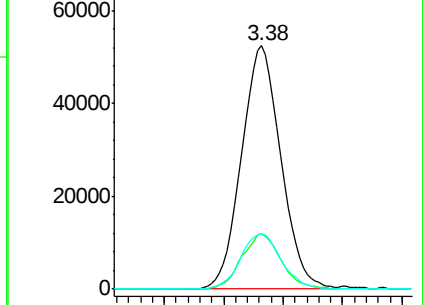
57 23.5 17.9 26.9

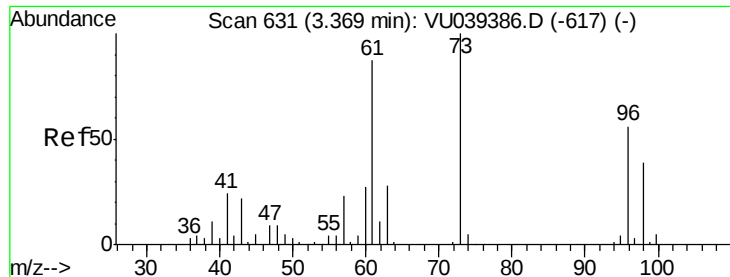


Abundance Ion 73.10 (72.80 to 73.80): VU039396.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039396.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039396.D (-617) (-)

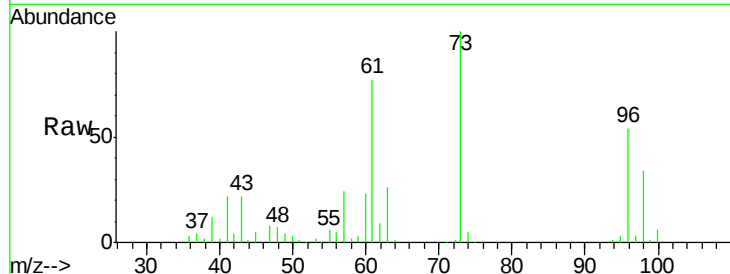




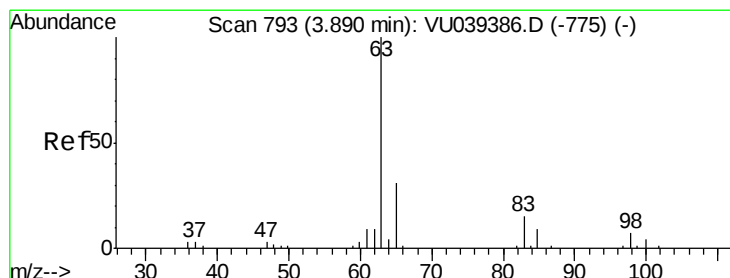
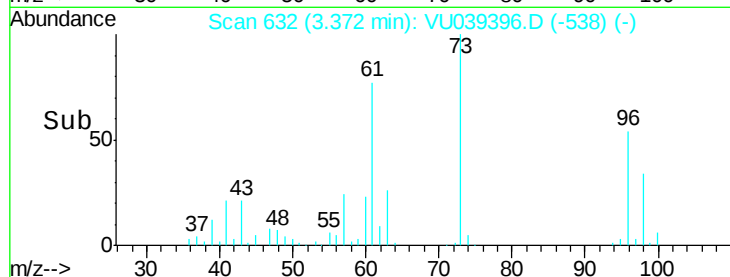
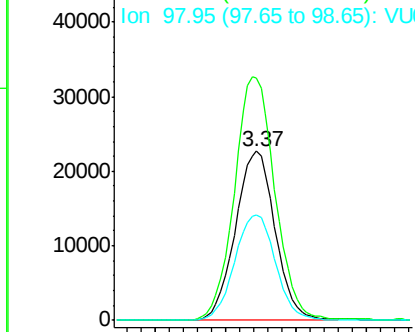
#18
trans-1,2-Dichloroethene
Concen: 6.570 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

Instrument :
MSVOA_U
ClientSampled :
H4310

Tot Ion: 96 Resp: 44782
Ion Ratio Lower Upper
96 100
61 144.0 102.1 189.5
98 62.8 42.5 78.9

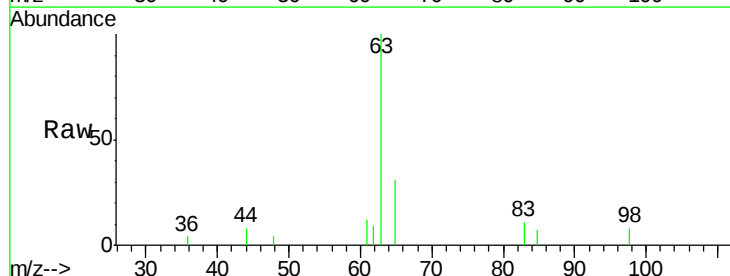


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

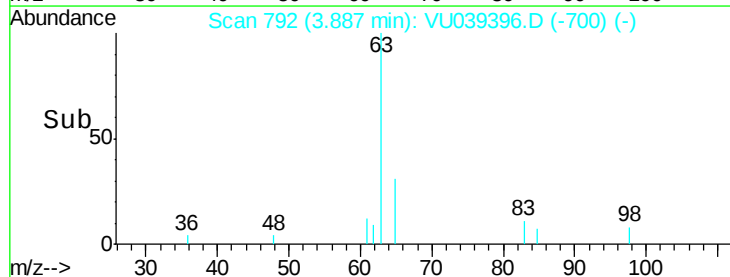
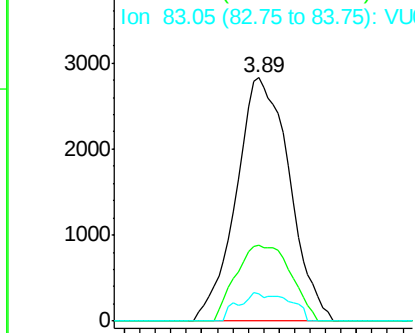


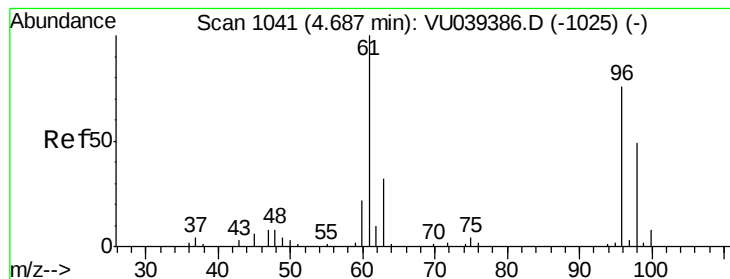
#19
1,1-Dichloroethane
Concen: 0.507 ug/L
RT: 3.89 min Scan# 792
Delta R.T. -0.00 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

Tgt Ion: 63 Resp: 6758
Ion Ratio Lower Upper
63 100
65 31.1 23.0 42.6
83 11.2 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 108.059 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

H4310

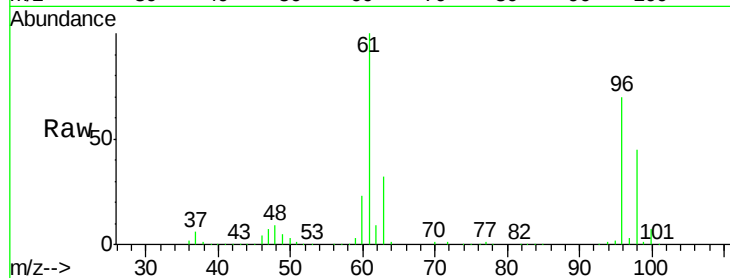
Tot Ion: 96 Resp: 825871

Ion Ratio Lower Upper

96 100

61 142.1 92.8 172.4

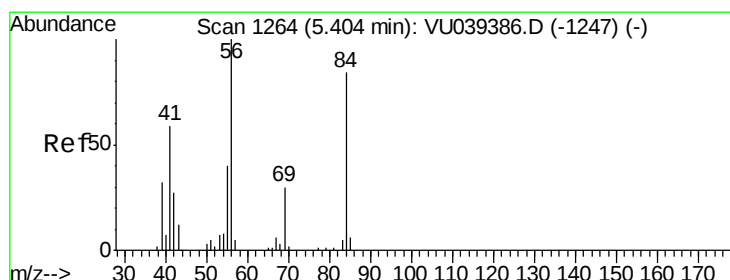
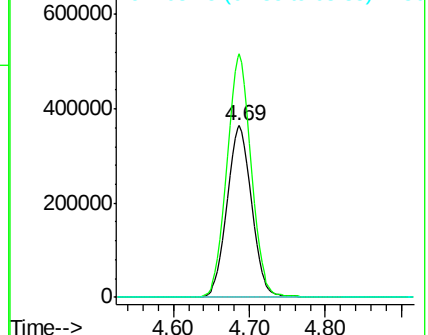
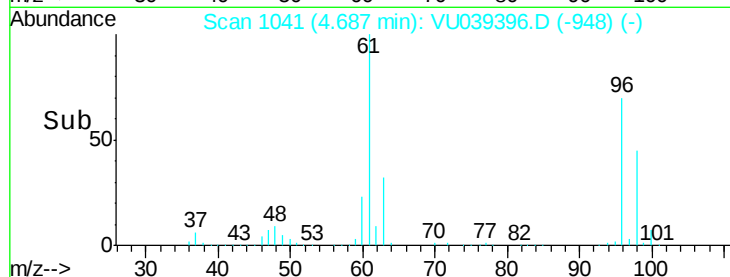
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039396.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039396.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039396.D (-948) (-)



#30

Cyclohexane

Concen: 0.073 ug/L

RT: 5.39 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

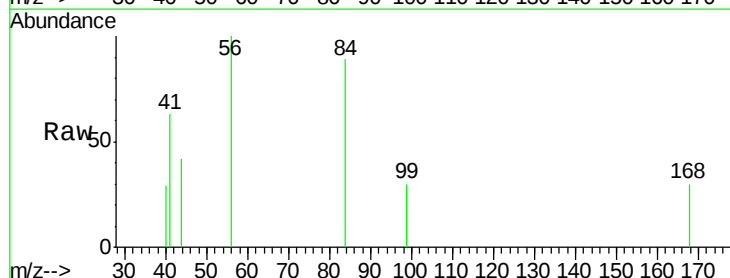
Tgt Ion: 56 Resp: 870

Ion Ratio Lower Upper

56 100

69 13.4 24.1 36.1#

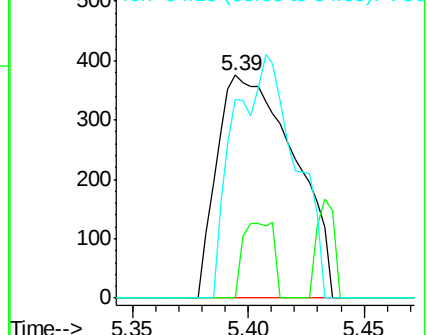
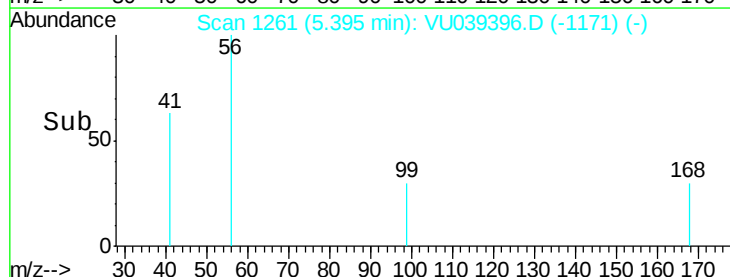
84 87.1 67.0 100.6

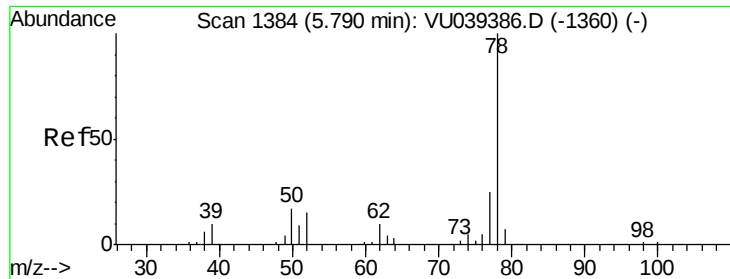


Abundance Ion 56.10 (55.80 to 56.80): VU039396.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU039396.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU039396.D (-1171) (-)





#33

Benzene

Concen: 0.639 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

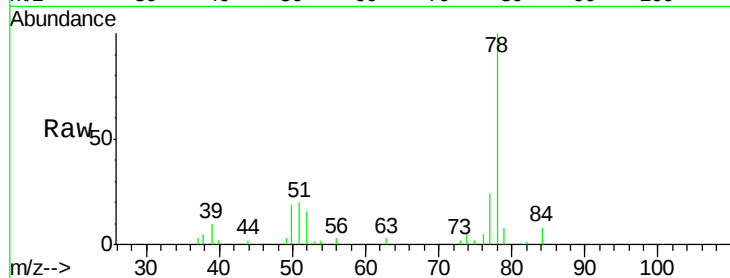
Instrument :

MSVOA_U

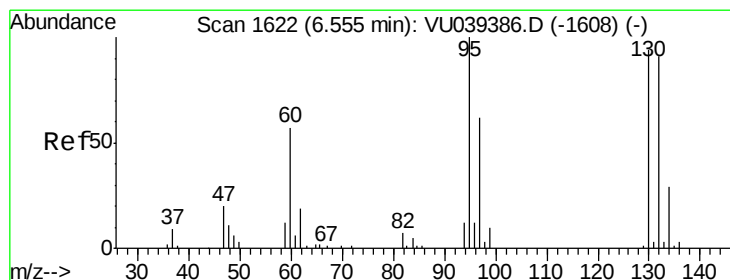
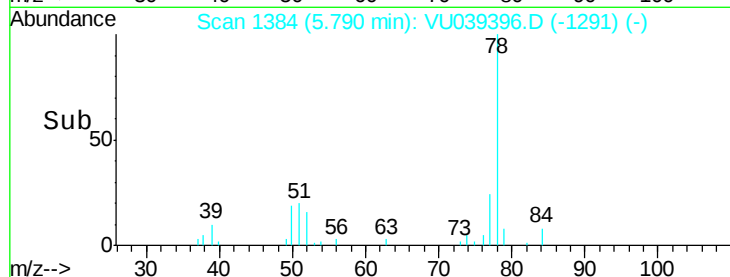
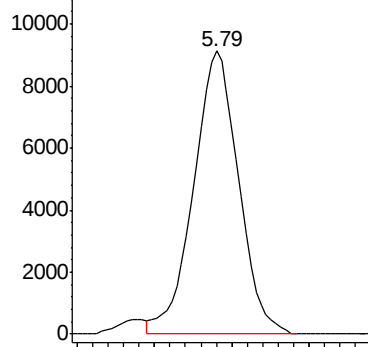
ClientSampleId :

H4310

Tgt Ion: 78 Resp: 18421



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.873 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

Tgt Ion: 95 Resp: 36319

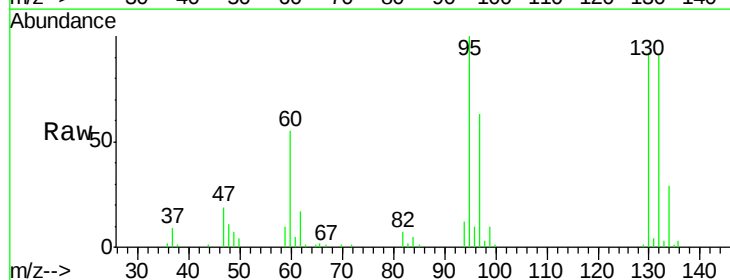
Ion	Ratio	Lower	Upper
95	100		
97	63.0	46.3	85.9
132	91.3	64.0	118.8
130	91.9	64.3	119.5

95 100

97 63.0 46.3 85.9

132 91.3 64.0 118.8

130 91.9 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

