

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070820\
 Data File : VU039356.D
 Acq On : 08 Jul 2020 18:39
 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 09 05:03:33 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	104634	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96880	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46105	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32744	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	1.93	69	32153	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.58	63	50362	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	168872	60.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.72%
24) Chloroform-d	5.08	84	71447	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.72	65	47656	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.74	84	144870	6.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.20%
36) 1,2-Dichloropropane-d6	6.70	67	49021	5.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.60%
41) Toluene-d8	7.91	98	125229	6.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.80%
43) trans-1,3-Dichloropropene-	8.19	79	20074	5.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.00%
46) 2-Hexanone-d5	8.64	63	125632	58.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.06%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	45465	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49613	6.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.60%#

Target Compounds

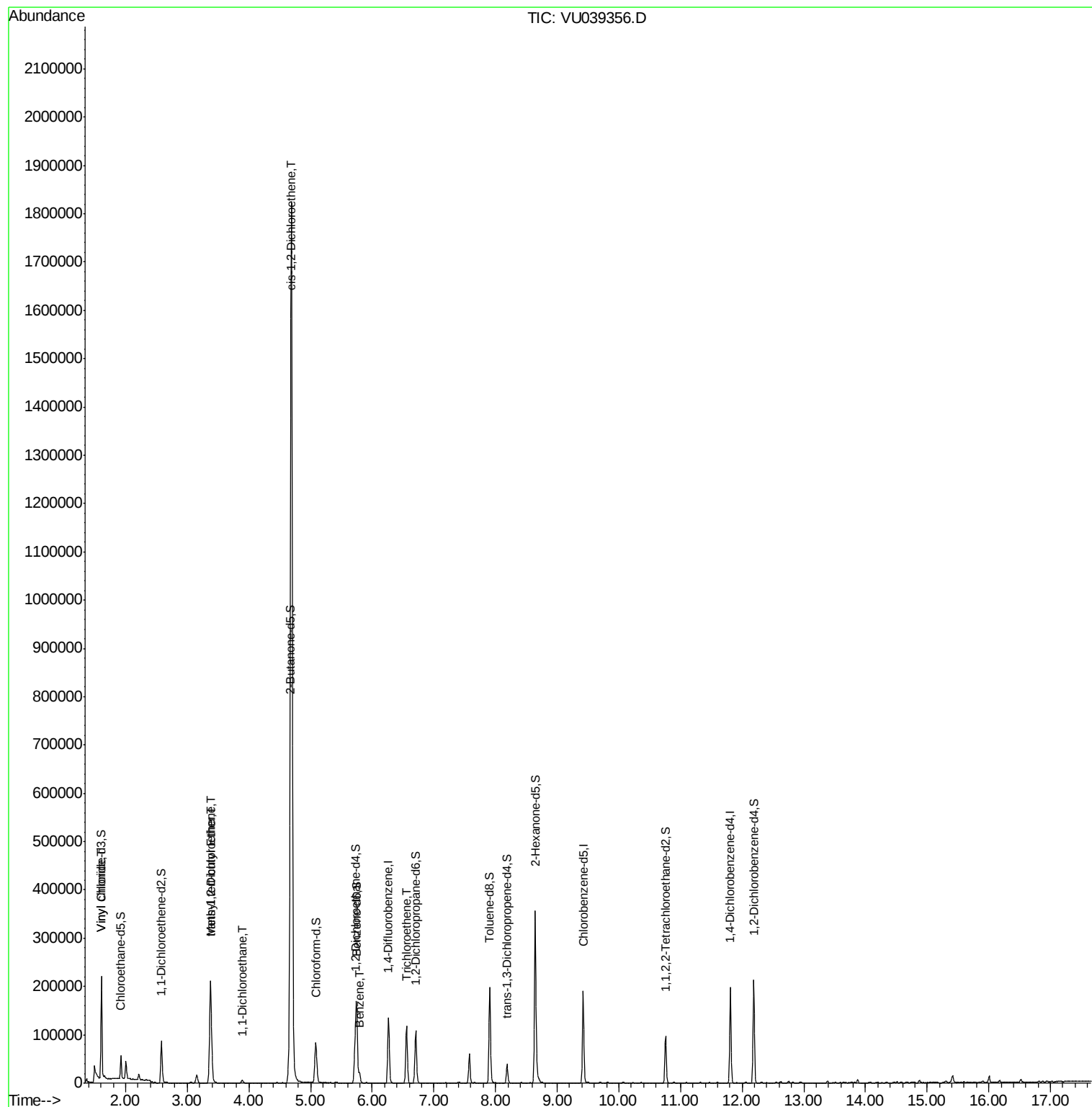
					Ovalue
5) Vinyl chloride	1.61	62	74989	8.790	ug/L 90
17) Methyl tert-butyl Ether	3.38	73	124153	6.332	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	46653	6.772	ug/L 99
19) 1,1-Dichloroethane	3.89	63	7111	0.528	ug/L # 84
22) cis-1,2-Dichloroethene	4.69	96	861633	111.542	ug/L 92
33) Benzene	5.79	78	19582	0.676	ug/L 100
34) Trichloroethene	6.56	95	38391	5.127	ug/L 97

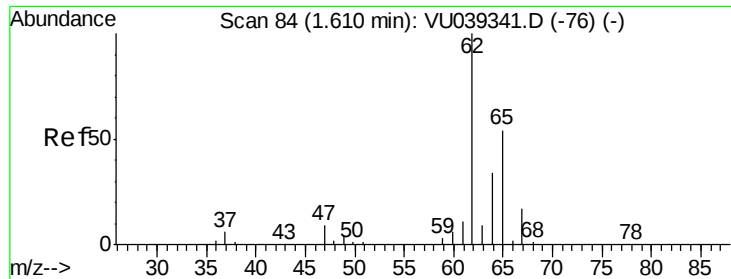
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.790 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

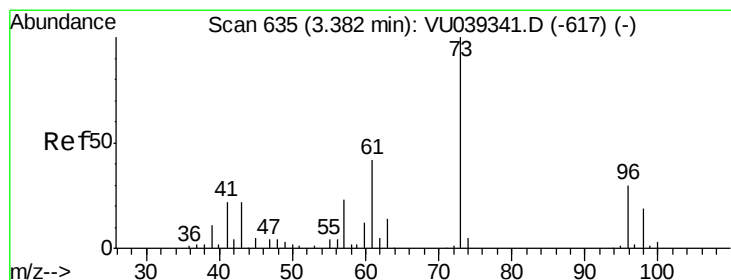
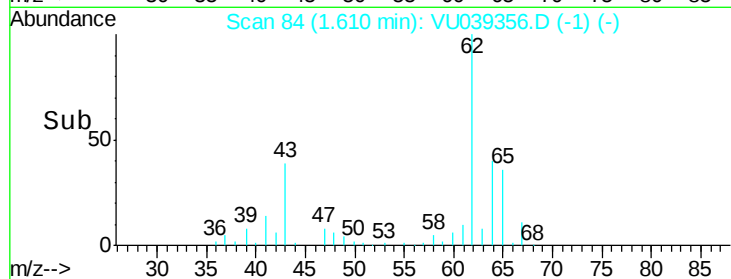
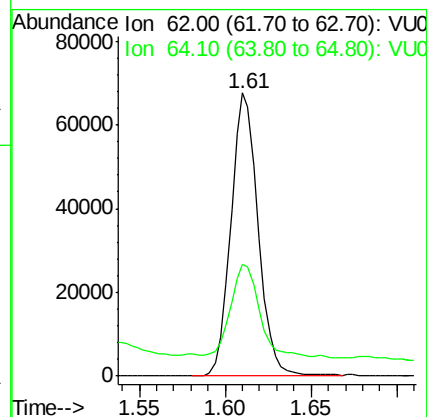
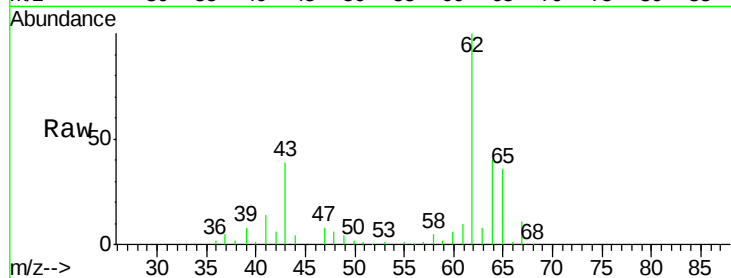
H4310

Tot Ion: 62 Resp: 74989

Ion Ratio Lower Upper

62 100

64 39.5 23.7 44.1



#17

Methyl tert-butyl Ether

Concen: 6.332 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

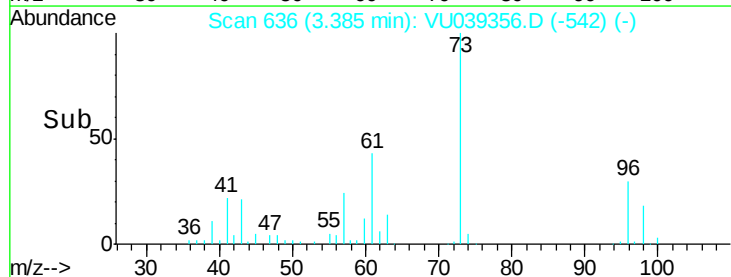
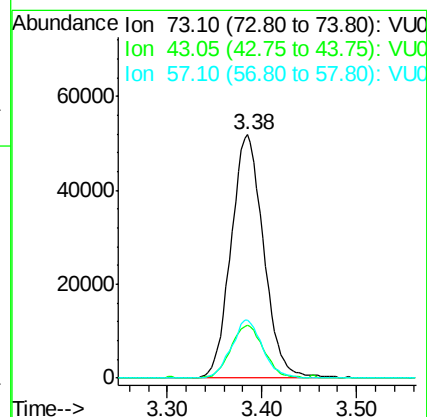
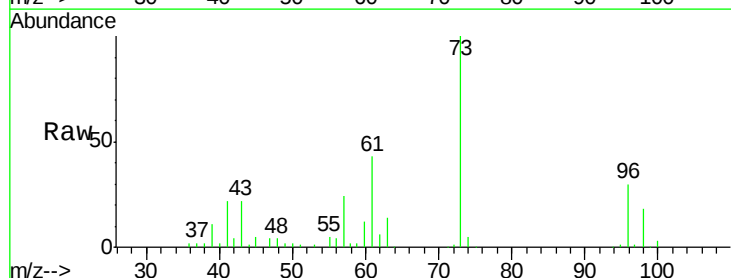
Tgt Ion: 73 Resp: 124153

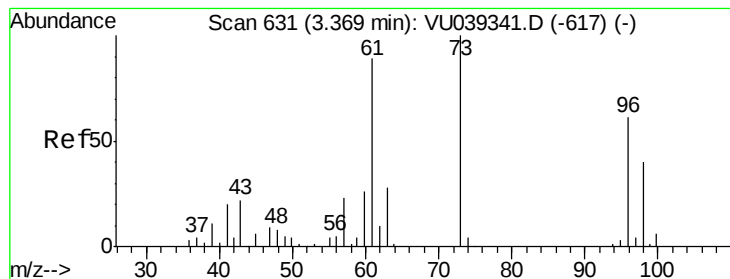
Ion Ratio Lower Upper

73 100

43 22.1 18.6 28.0

57 22.9 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 6.772 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

H4310

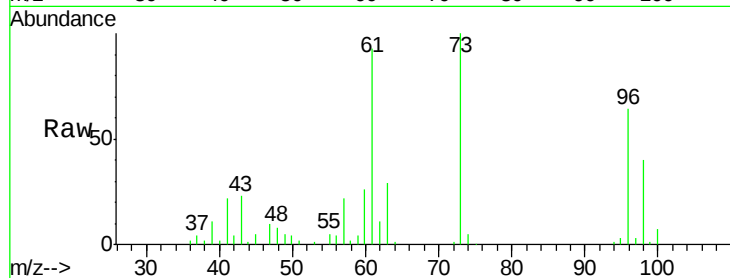
Tot Ion: 96 Resp: 46653

Ion Ratio Lower Upper

96 100

61 144.8 102.1 189.5

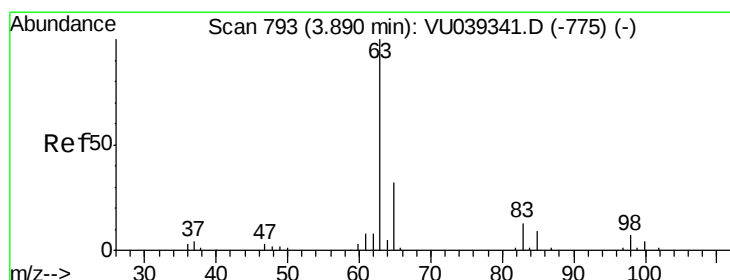
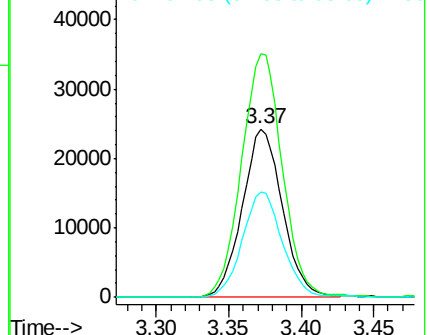
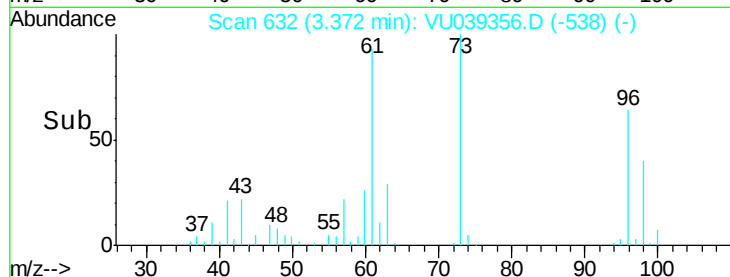
98 62.9 42.5 78.9



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: 0.528 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

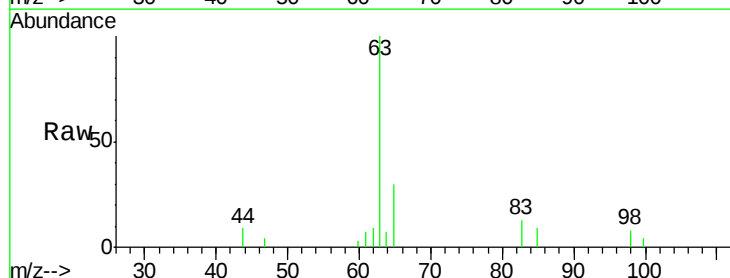
Tgt Ion: 63 Resp: 7111

Ion Ratio Lower Upper

63 100

65 27.6 23.0 42.6

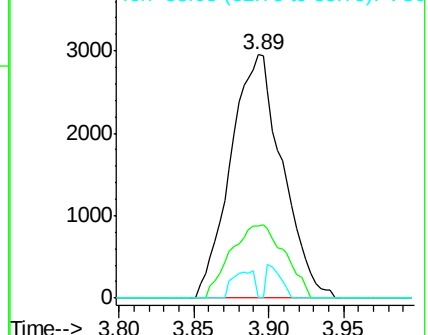
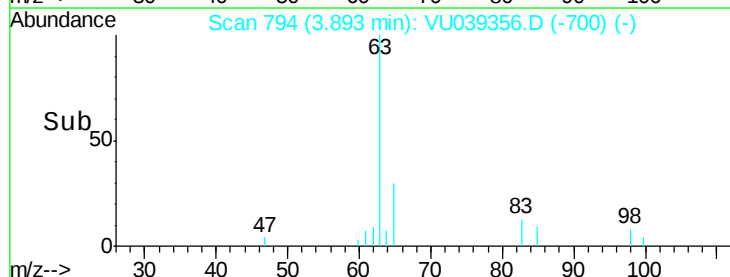
83 0.0 9.6 17.8#

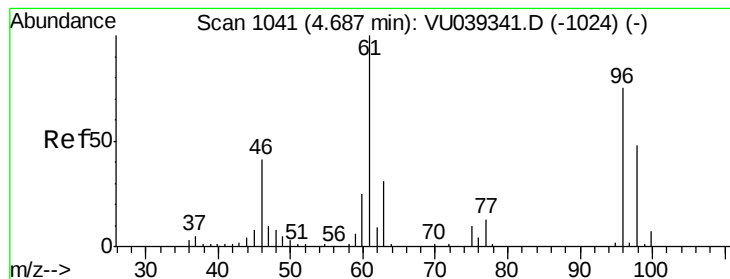


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 111.542 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

H4310

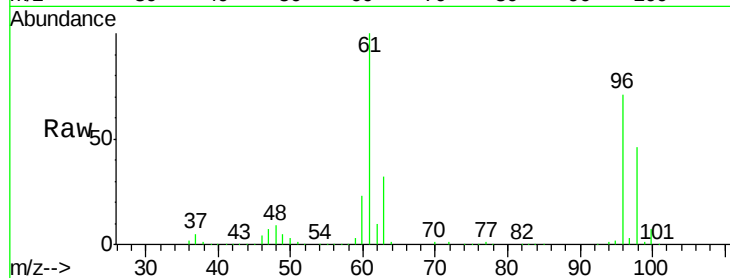
Tot Ion: 96 Resp: 861633

Ion Ratio Lower Upper

96 100

61 141.6 92.8 172.4

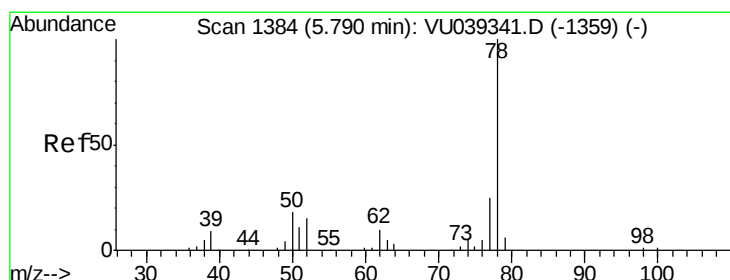
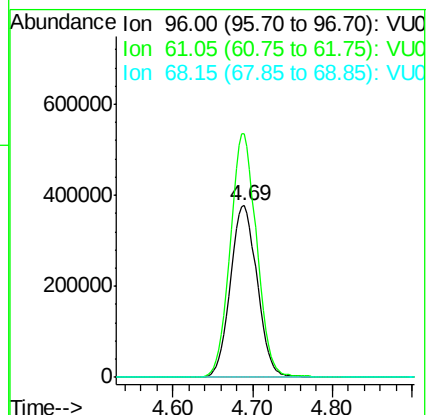
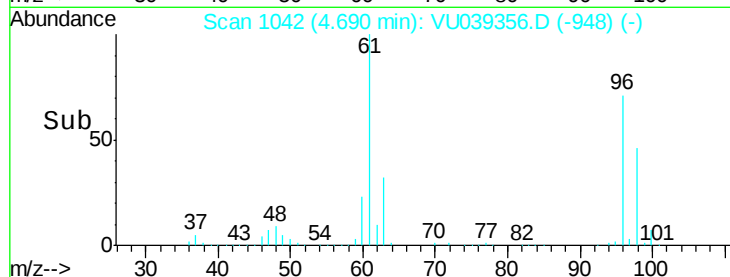
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039341.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039341.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039341.D (-1024) (-)



#33

Benzene

Concen: 0.676 ug/L

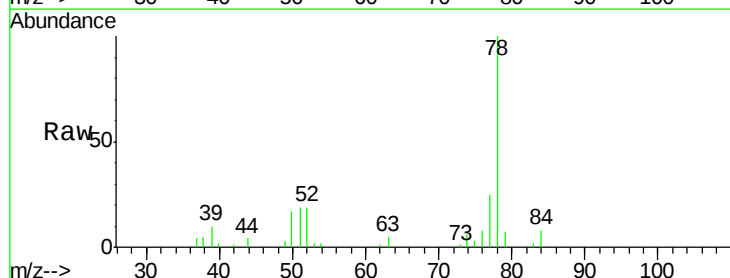
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039356.D

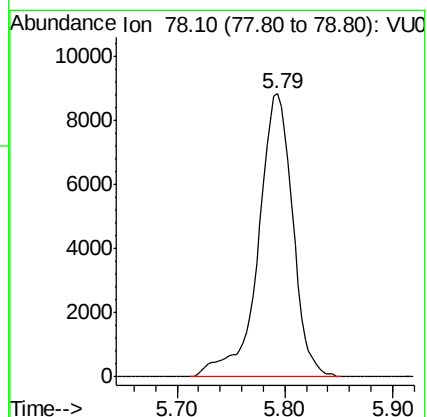
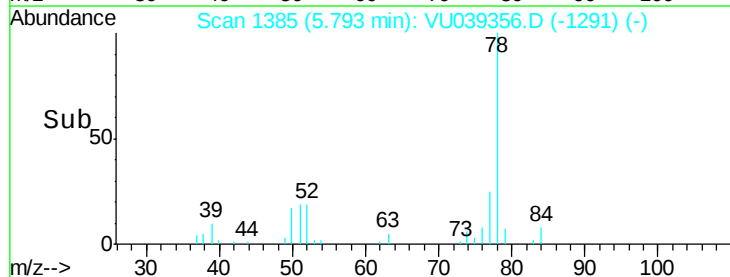
Acq: 08 Jul 2020 18:39

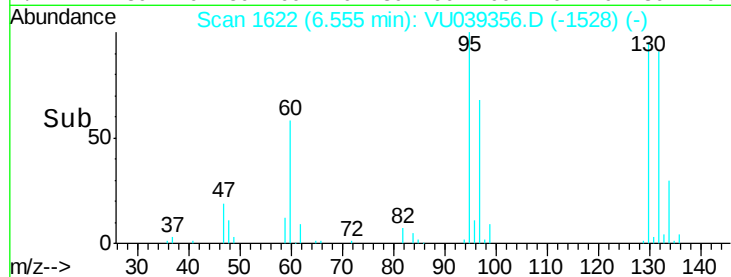
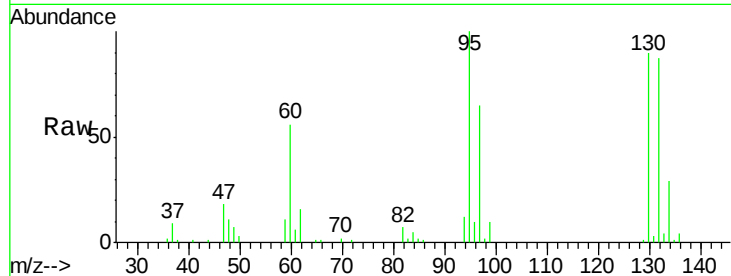
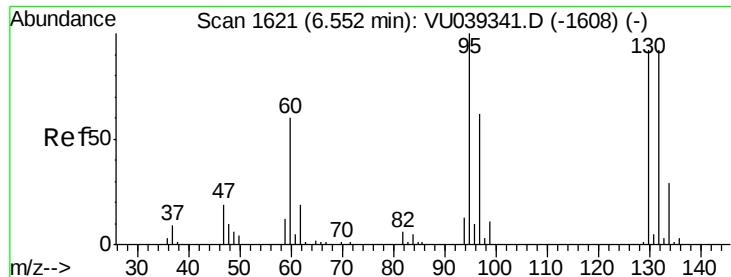
Tgt Ion: 78 Resp: 19582



Abundance Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)





#34

Trichloroethene

Concen: 5.127 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

H4310

Tot Ion: 95 Resp: 38391

Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 86.6 64.0 118.8

130 90.0 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

