

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039306.D
 Acq On : 06 Jul 2020 21:01
 Operator : SY/MD
 Sample : L3193-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4309

Quant Time: Jul 07 04:03:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	115131	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109579	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51445	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	44930	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.92	69	38953	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.58	63	65241	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.66	46	154470	46.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.58%
24) Chloroform-d	5.09	84	86014	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	51587	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.74	84	171634	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.71	67	57377	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	154361	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.19	79	21567	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	117180	42.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	48120	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	57284	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

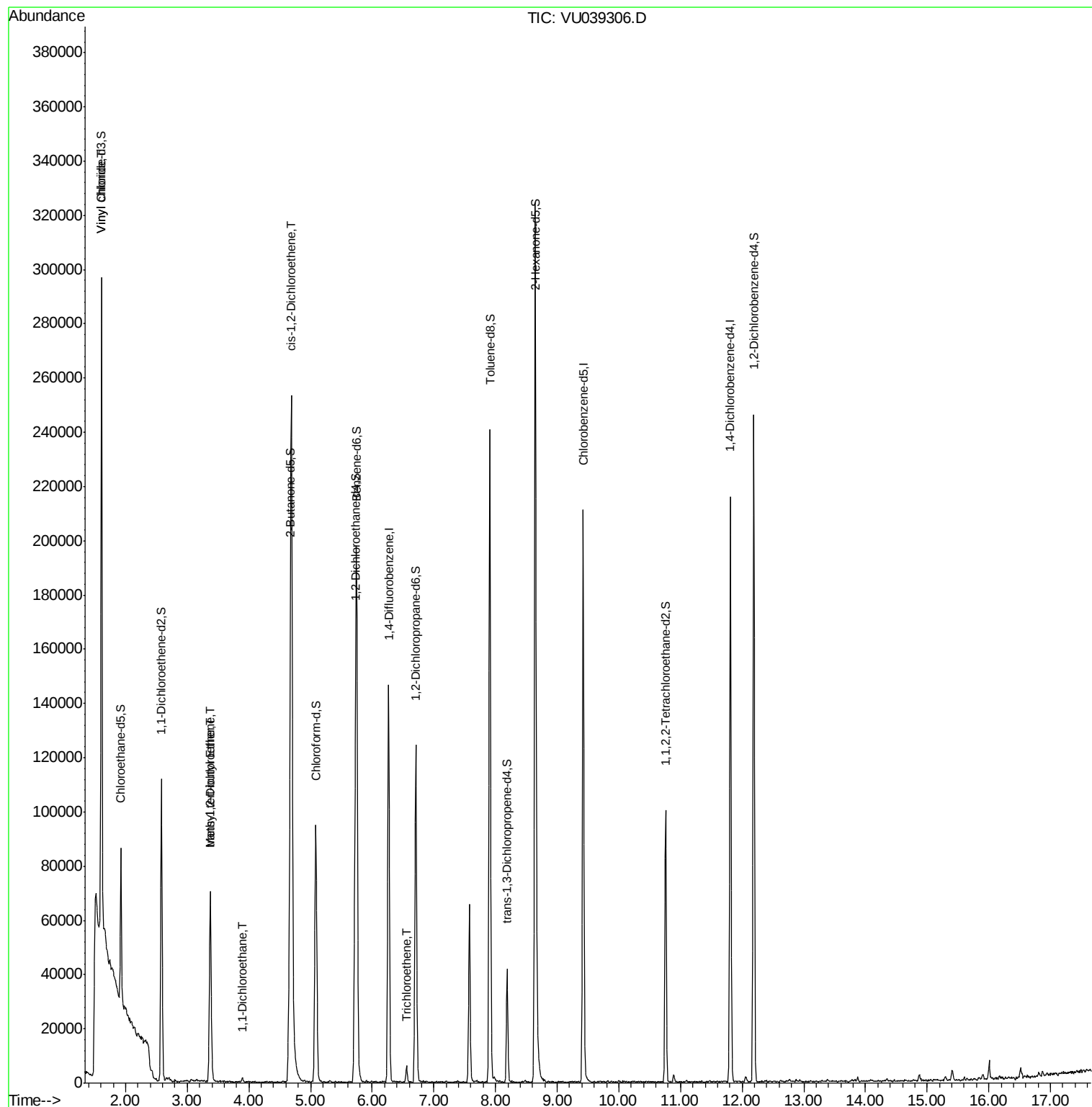
				Ovalue	
5) Vinyl chloride	1.61	62	119581	13.941	ug/L # 56
17) Methyl tert-butyl Ether	3.38	73	7565	0.353	ug/L # 90
18) trans-1,2-Dichloroethene	3.37	96	25860	3.647	ug/L 95
19) 1,1-Dichloroethane	3.89	63	1844	0.130	ug/L 89
22) cis-1,2-Dichloroethene	4.69	96	104498	12.933	ug/L 100
34) Trichloroethene	6.56	95	1754	0.220	ug/L 93

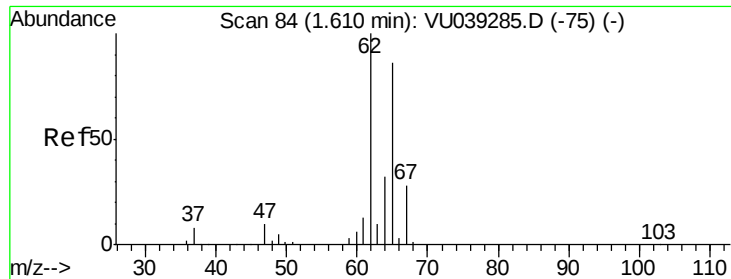
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.941 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039306.D

Acq: 06 Jul 2020 21:01

Instrument :

MSVOA_U

ClientSampled :

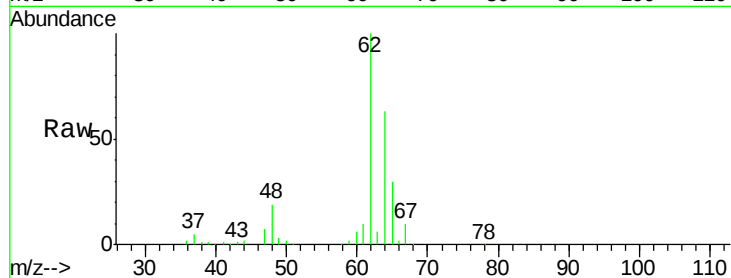
H4309

Tot Ion: 62 Resp: 119581

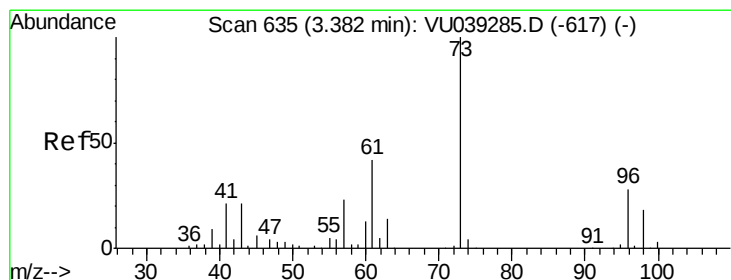
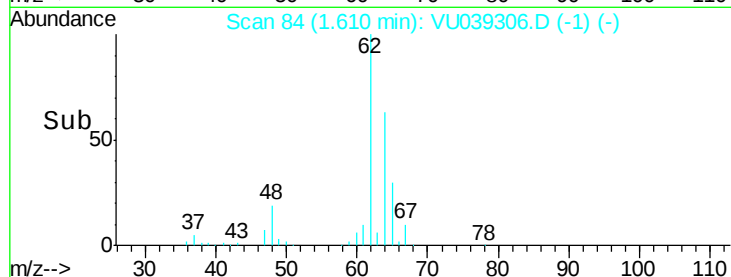
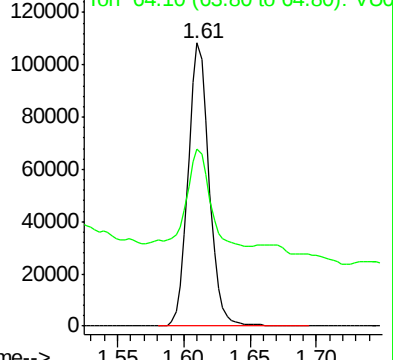
Ion Ratio Lower Upper

62 100

64 62.5 25.6 47.4#



Abundance Ion 62.00 (61.70 to 62.70): VU039306.D (-1) (-)



#17

Methyl tert-butyl Ether

Concen: 0.353 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039306.D

Acq: 06 Jul 2020 21:01

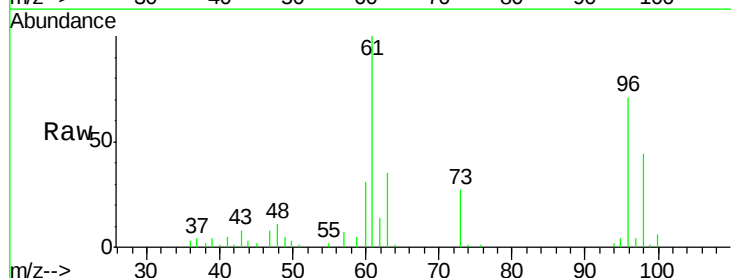
Tgt Ion: 73 Resp: 7565

Ion Ratio Lower Upper

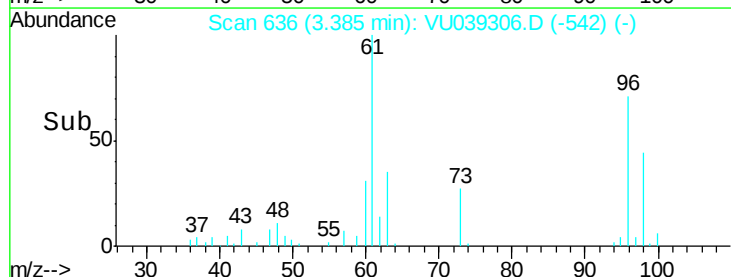
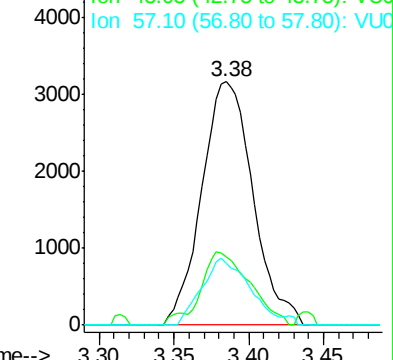
73 100

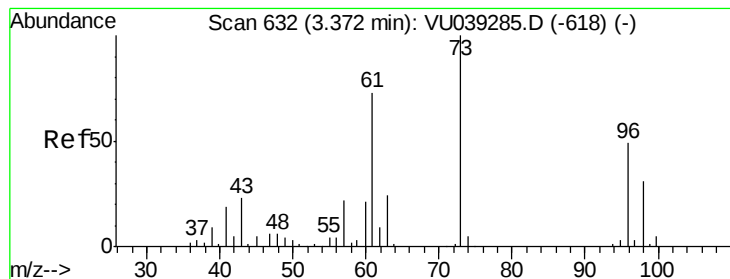
43 28.9 17.5 26.3#

57 26.2 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU039306.D (-542) (-)





#18

trans-1,2-Dichloroethene

Concen: 3.647 ug/L

RT: 3.37 min Scan# 632

Delta R.T. -0.00 min

Lab File: VU039306.D

Acq: 06 Jul 2020 21:01

Instrument :

MSVOA_U

ClientSampleId :

H4309

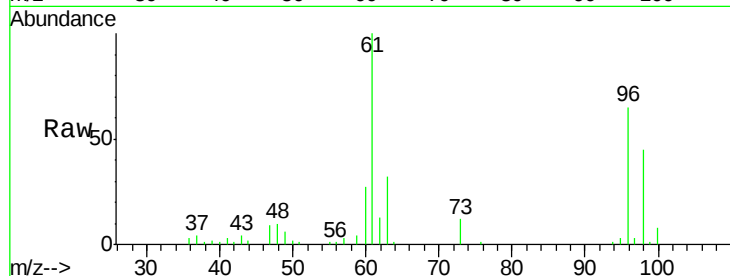
Tot Ion: 96 Resp: 25860

Ion Ratio Lower Upper

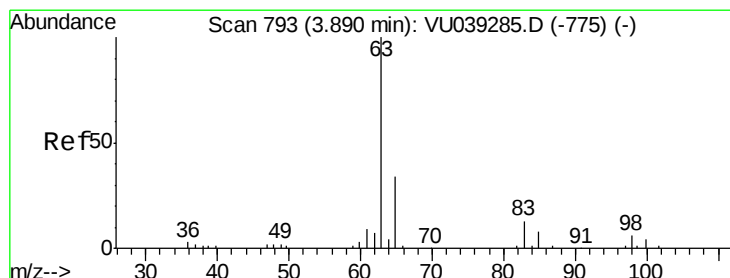
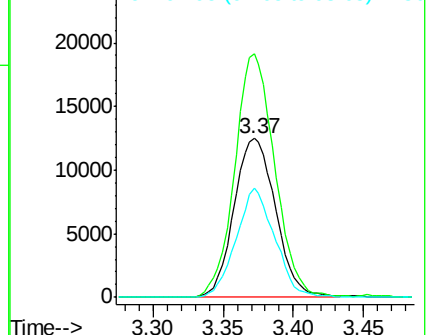
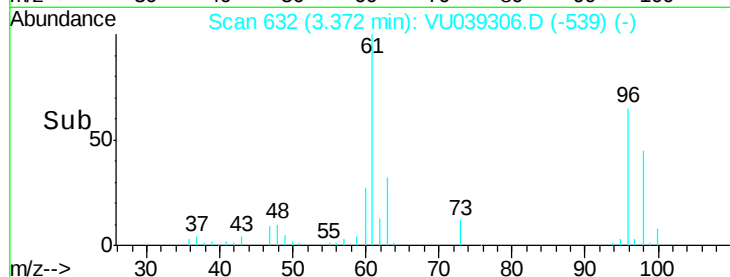
96 100

61 153.1 104.7 194.5

98 68.6 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU039306.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 0.130 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039306.D

Acq: 06 Jul 2020 21:01

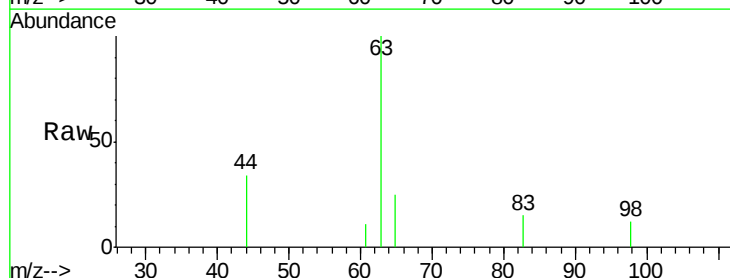
Tgt Ion: 63 Resp: 1844

Ion Ratio Lower Upper

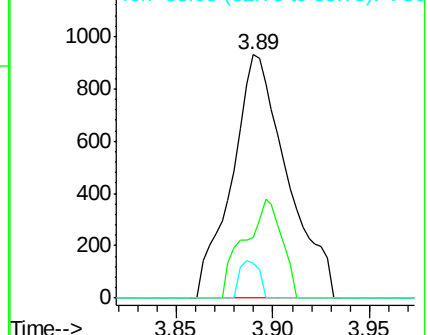
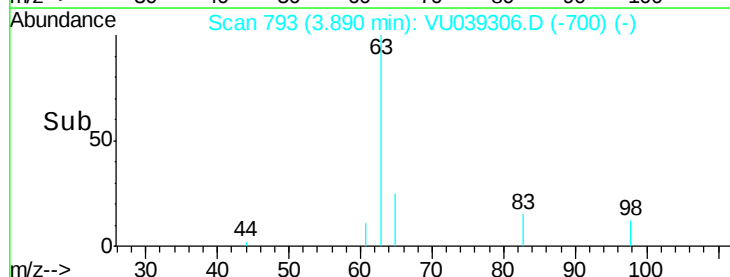
63 100

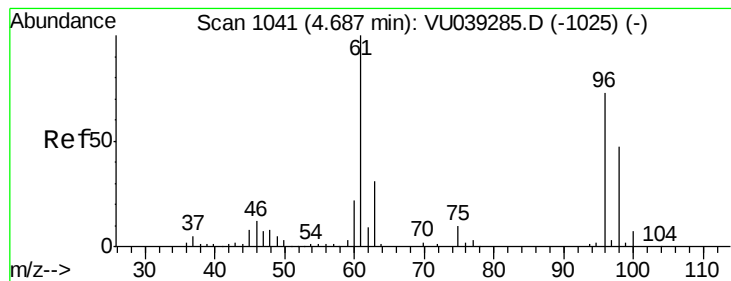
65 24.8 22.7 42.3

83 14.6 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU039306.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 12.933 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039306.D

Acq: 06 Jul 2020 21:01

Instrument :

MSVOA_U

ClientSampleId :

H4309

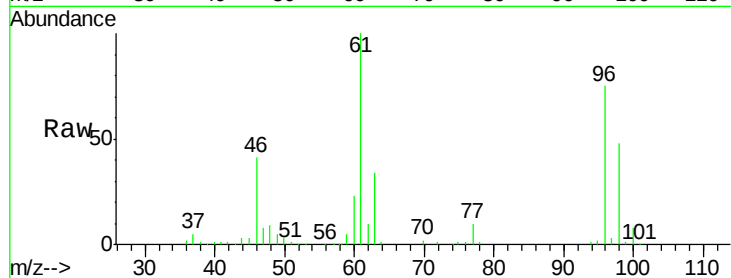
Tot Ion: 96 Resp: 104498

Ion Ratio Lower Upper

96 100

61 133.9 93.7 173.9

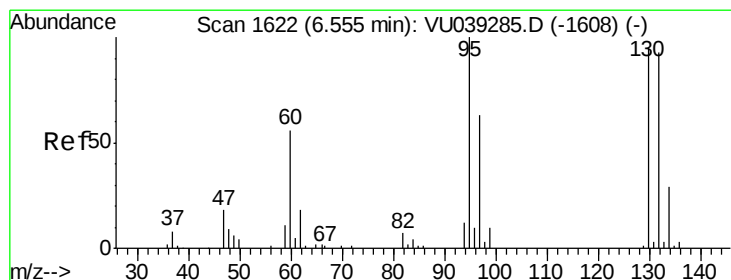
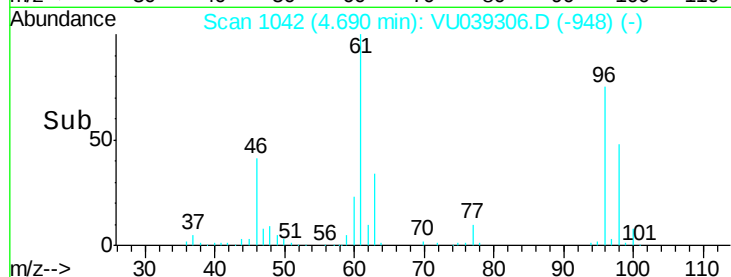
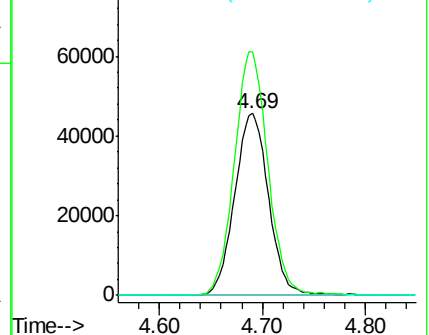
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039285.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039285.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039285.D (-1025) (-)



#34

Trichloroethene

Concen: 0.220 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039306.D

Acq: 06 Jul 2020 21:01

Tgt Ion: 95 Resp: 1754

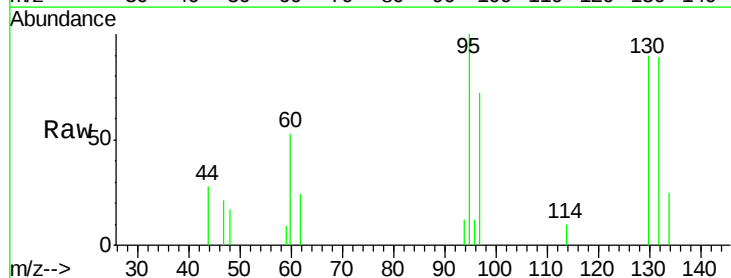
Ion Ratio Lower Upper

95 100

97 72.1 47.0 87.2

132 89.2 65.0 120.8

130 89.5 69.8 129.6



Abundance Ion 95.00 (94.70 to 95.70): VU039285.D (-1608) (-)

Ion 96.95 (96.65 to 97.65): VU039285.D (-1608) (-)

Ion 131.95 (131.65 to 132.65): VU039285.D (-1608) (-)

Ion 129.95 (129.65 to 130.65): VU039285.D (-1608) (-)

