

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038957.D
 Acq On : 17 Jun 2020 20:21
 Operator : SY/MD
 Sample : L3040-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L35

Quant Time: Jun 18 06:09:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 04:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	254149	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256448	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	111920	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	81318	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.93	69	73582	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	63	146434	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.70	46	358760	63.54	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.08%
24) Chloroform-d	5.10	84	185086	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.74	65	110405	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.76	84	357640	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.72	67	115017	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.92	98	286667	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.20	79	45431	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.66	63	298070	59.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.16%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106373	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	118723	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

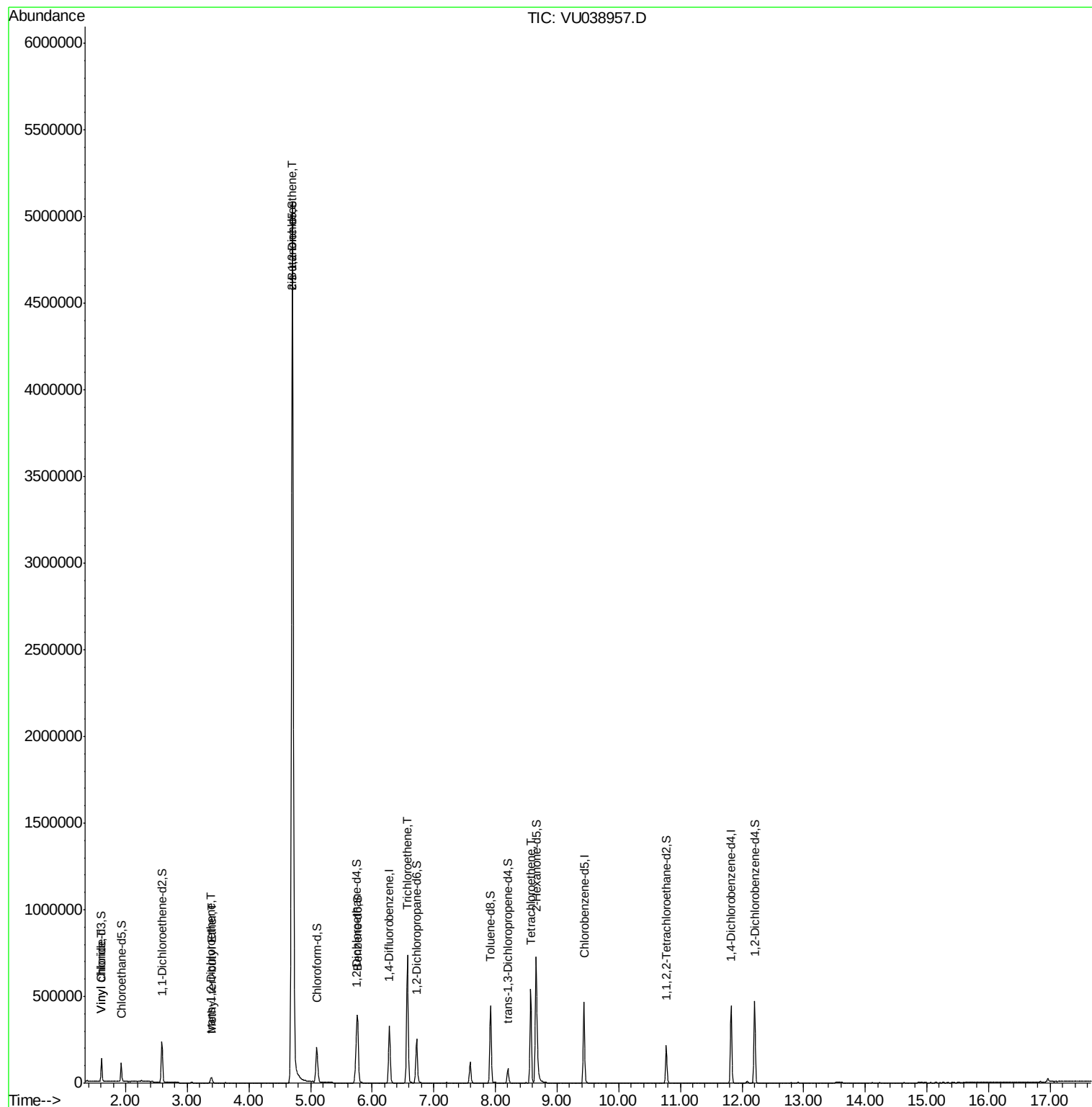
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	10988	0.460	ug/L	89
17) Methyl tert-butyl Ether	3.40	73	8816	0.188	ug/L	# 85
18) trans-1,2-Dichloroethene	3.39	96	10682	0.570	ug/L	92
22) cis-1,2-Dichloroethene	4.70	96	2500512	129.815	ug/L	100
34) Trichloroethene	6.57	95	246241	12.669	ug/L	99
47) Tetrachloroethene	8.57	164	116397	7.729	ug/L	95

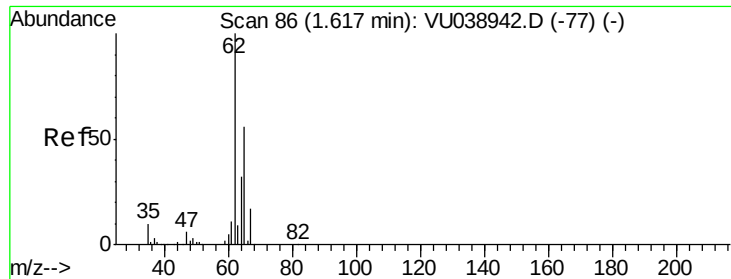
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.460 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

Instrument :

MSVOA_U

ClientSampleId :

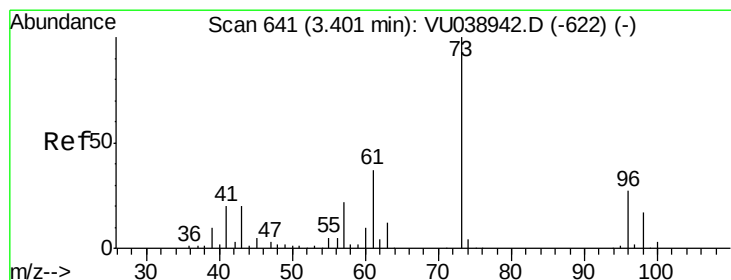
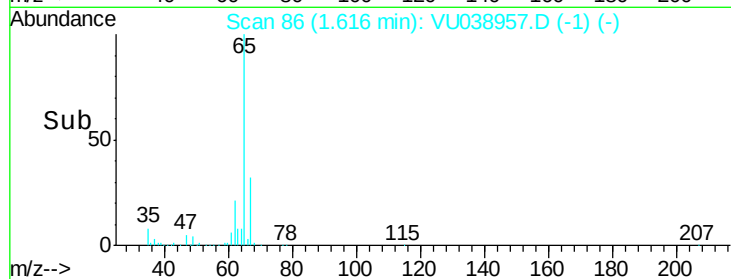
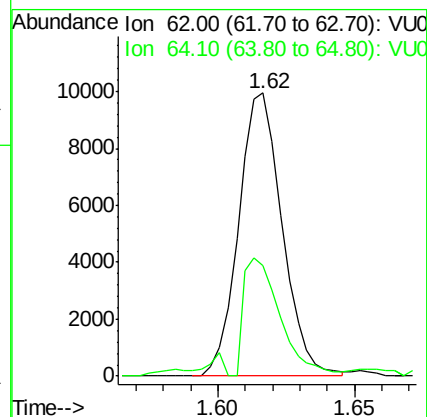
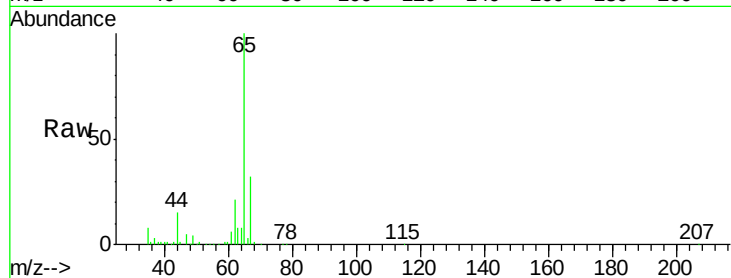
F9L35

Tot Ion: 62 Resp: 10988

Ion Ratio Lower Upper

62 100

64 39.1 23.1 42.9



#17

Methyl tert-butyl Ether

Concen: 0.188 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

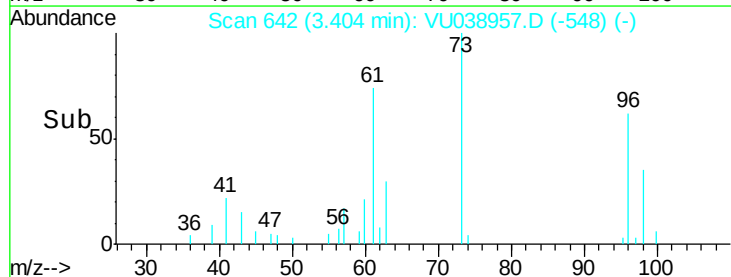
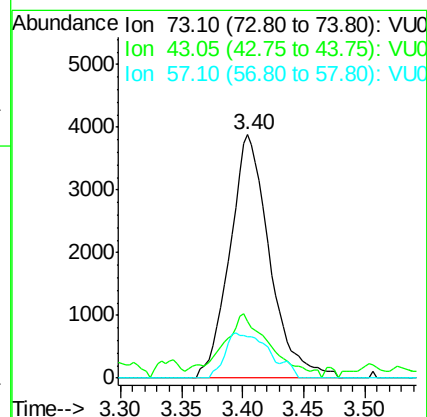
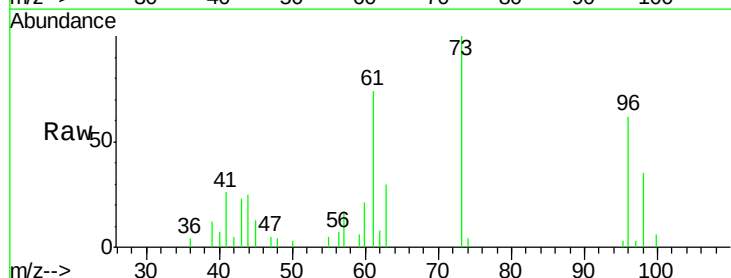
Tgt Ion: 73 Resp: 8816

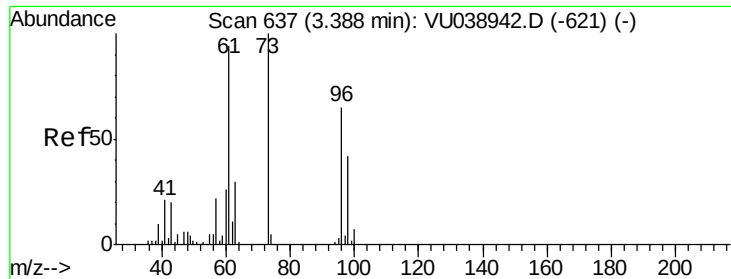
Ion Ratio Lower Upper

73 100

43 32.2 17.0 25.4#

57 18.9 17.7 26.5

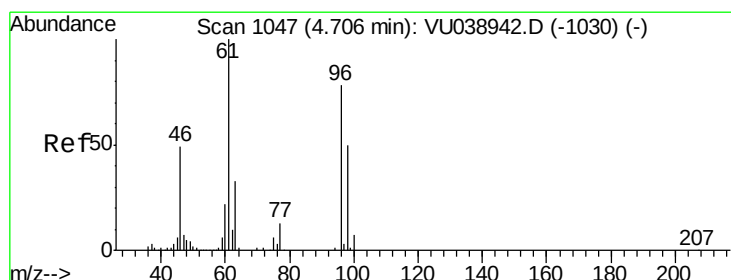
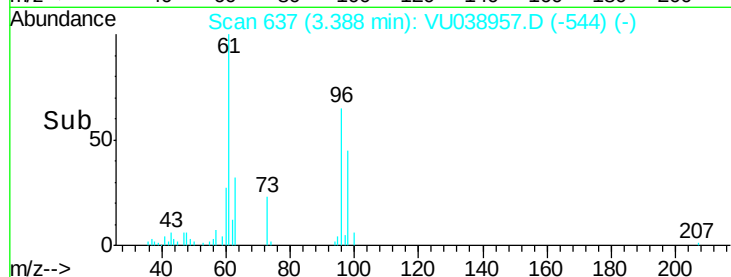
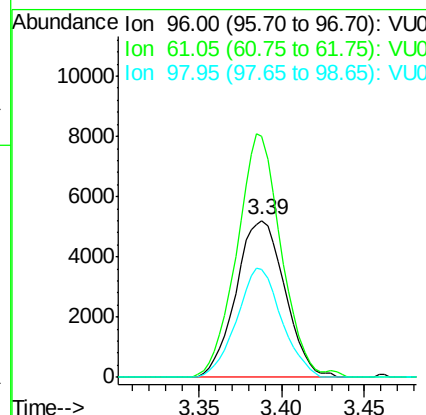
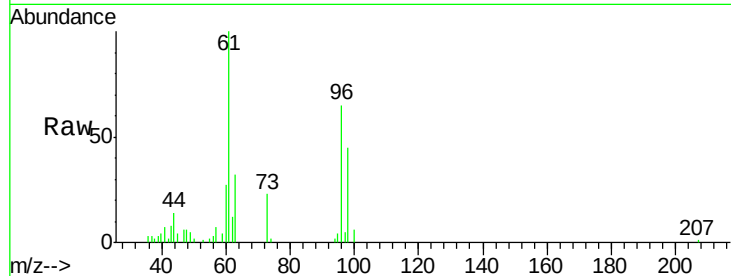




#18
trans-1,2-Dichloroethene
Concen: 0.570 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038957.D
Acq: 17 Jun 2020 20:21

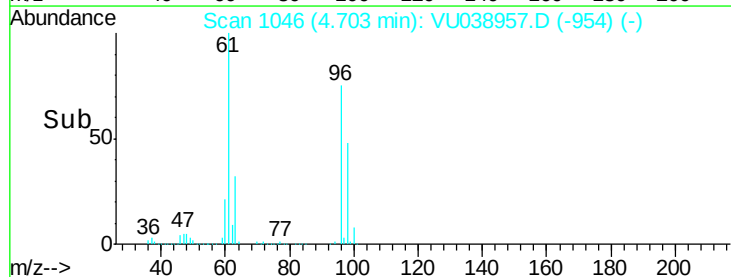
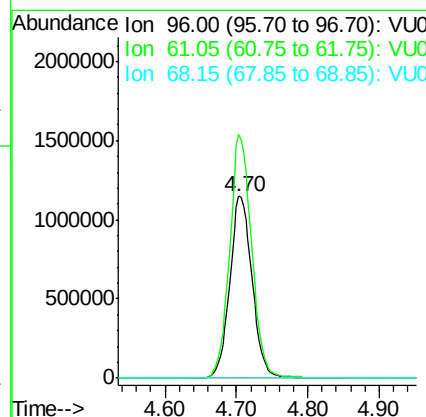
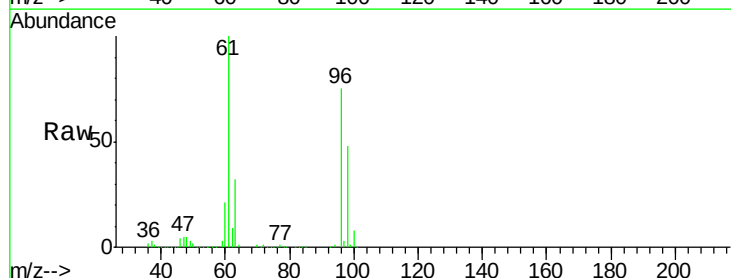
Instrument :
MSVOA_U
ClientSampled :
F9L35

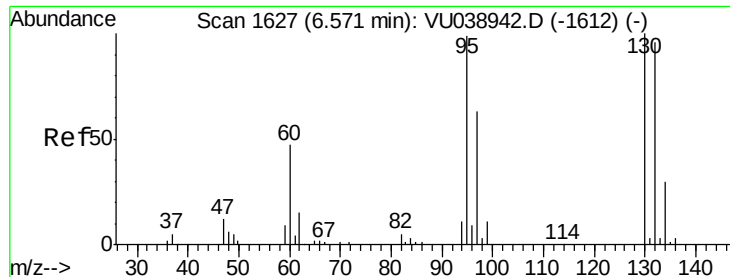
Tot Ion: 96 Resp: 10682
Ion Ratio Lower Upper
96 100
61 153.9 100.3 186.3
98 68.9 45.4 84.2



#22
cis-1,2-Dichloroethene
Concen: 129.815 ug/L
RT: 4.70 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU038957.D
Acq: 17 Jun 2020 20:21

Tgt Ion: 96 Resp: 2500512
Ion Ratio Lower Upper
96 100
61 134.1 93.7 173.9
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 12.669 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

Instrument :

MSVOA_U

ClientSampleId :

F9L35

Tot Ion: 95 Resp: 246241

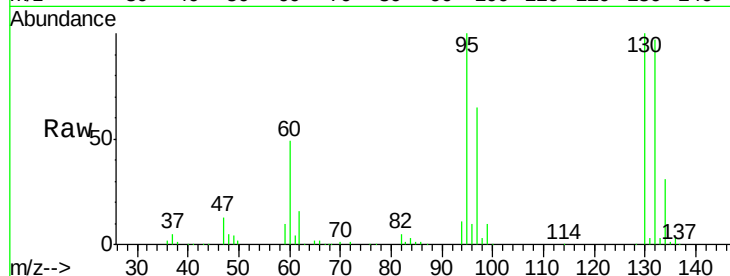
Ion Ratio Lower Upper

95 100

97 65.4 45.4 84.4

132 97.8 68.4 127.0

130 100.5 69.6 129.2

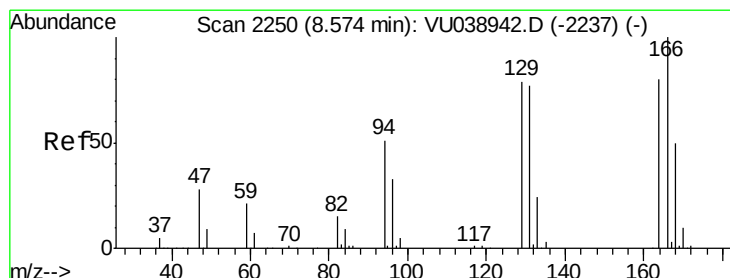
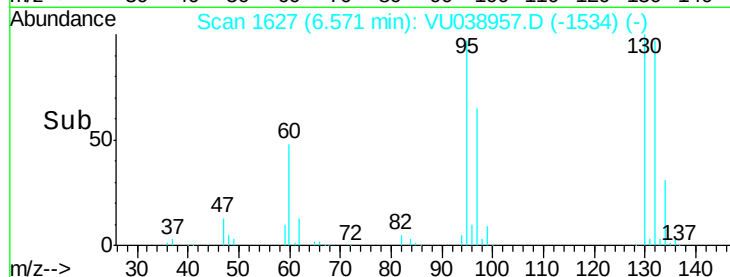
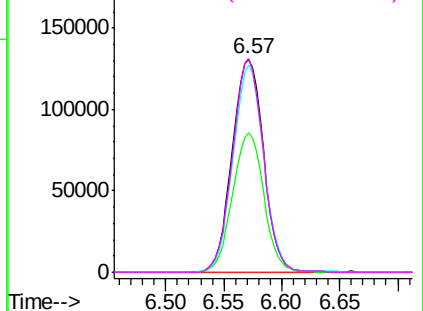


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 7.729 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

Tgt Ion: 164 Resp: 116397

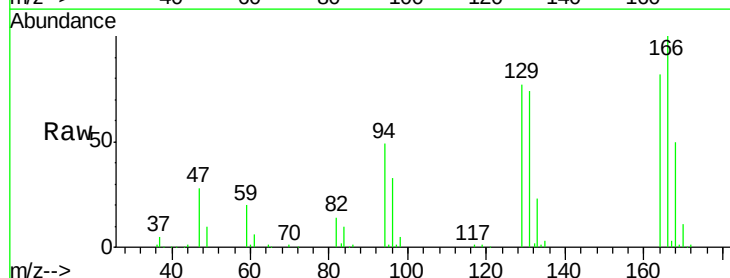
Ion Ratio Lower Upper

164 100

129 94.4 66.1 122.8

131 90.4 65.7 122.1

166 122.1 93.0 172.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

