

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038958.D
 Acq On : 17 Jun 2020 20:44
 Operator : SY/MD
 Sample : L3040-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L36

Quant Time: Jun 18 06:15:03 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	261236	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	271046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	119491	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86912	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.93	69	75555	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	63	149991	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.71	46	384713	66.29	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.58%#
24) Chloroform-d	5.10	84	188241	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.74	65	115638	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.76	84	360748	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.72	67	116132	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.92	98	290779	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.20	79	48375	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.66	63	313407	59.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.54%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108114	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	122519	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

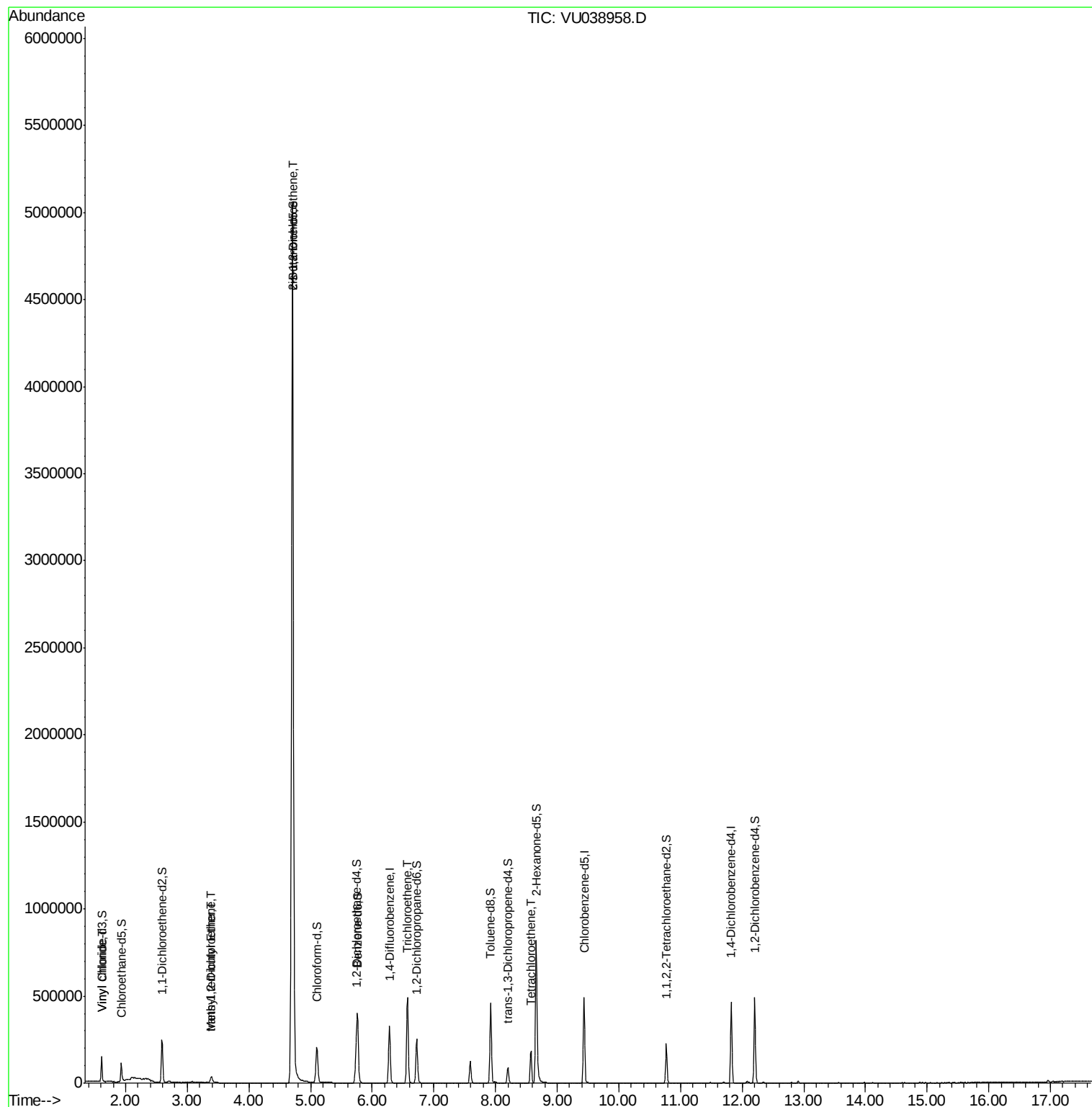
					Ovalue
5) Vinyl chloride	1.62	62	9174	0.374 ug/L #	80
17) Methyl tert-butyl Ether	3.40	73	10460	0.217 ug/L #	85
18) trans-1,2-Dichloroethene	3.39	96	11797	0.612 ug/L	86
22) cis-1,2-Dichloroethene	4.71	96	2405888	121.514 ug/L	99
34) Trichloroethene	6.57	95	164238	7.995 ug/L	96
47) Tetrachloroethene	8.57	164	39751	2.497 ug/L	96

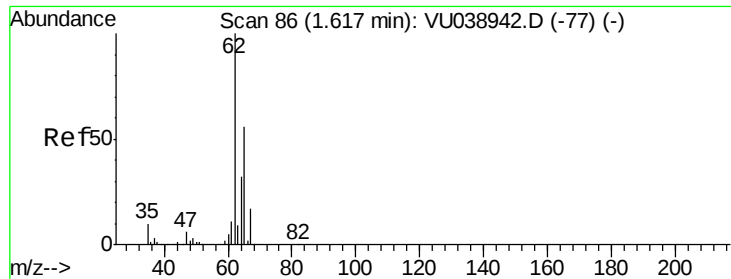
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.374 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Instrument :

MSVOA_U

ClientSampled :

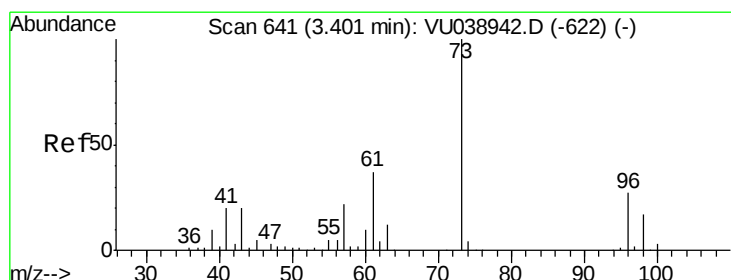
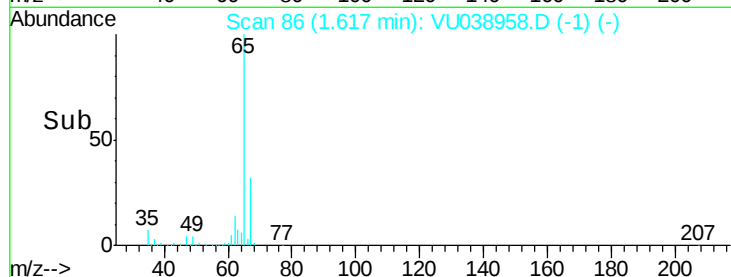
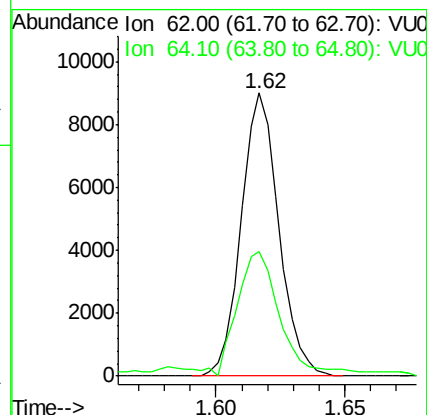
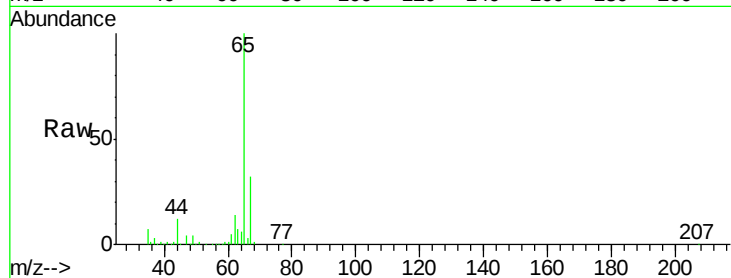
F9L36

Tot Ion: 62 Resp: 9174

Ion Ratio Lower Upper

62 100

64 44.2 23.1 42.9#



#17

Methyl tert-butyl Ether

Concen: 0.217 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

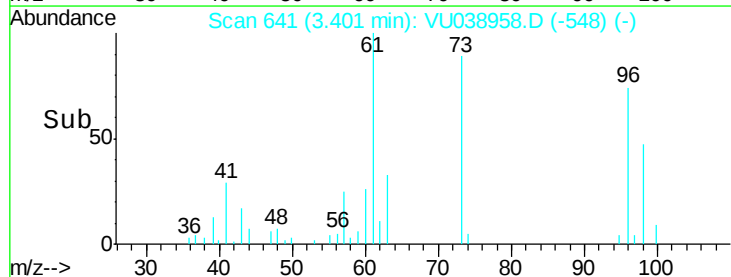
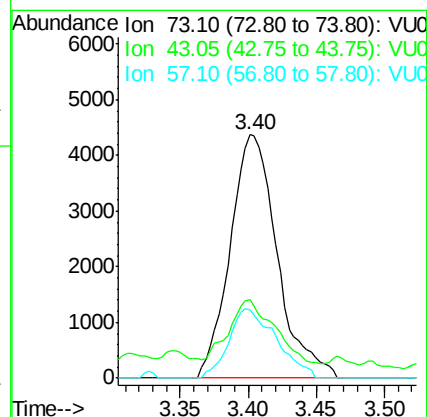
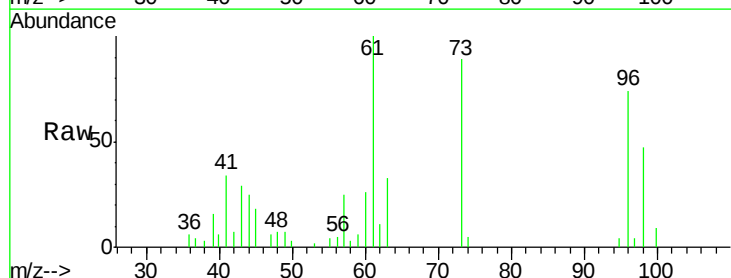
Tgt Ion: 73 Resp: 10460

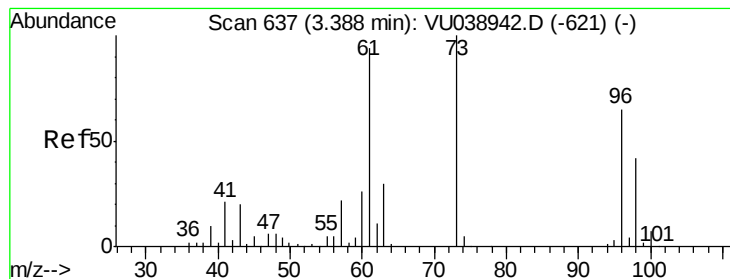
Ion Ratio Lower Upper

73 100

43 28.7 17.0 25.4#

57 28.8 17.7 26.5#





#18

trans-1,2-Dichloroethene

Concen: 0.612 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

F9L36

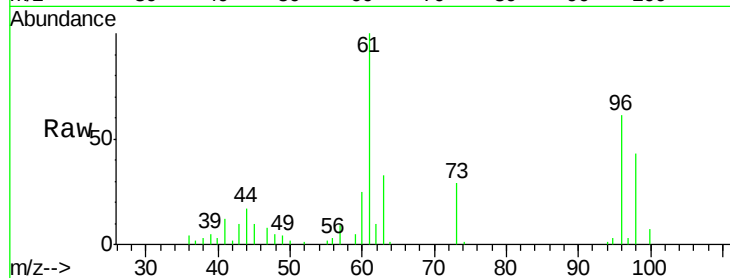
Tot Ion: 96 Resp: 11797

Ion Ratio Lower Upper

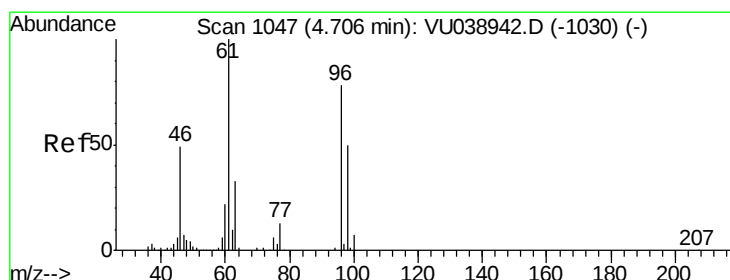
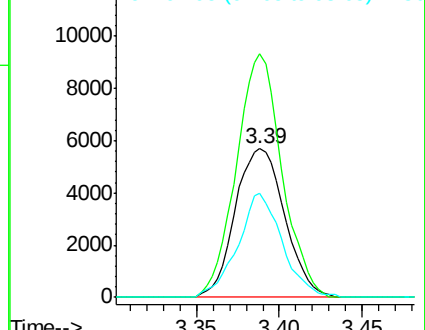
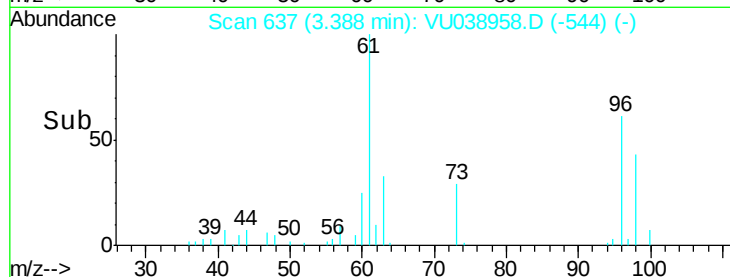
96 100

61 164.0 100.3 186.3

98 69.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU038958.D (-544) (-)



#22

cis-1,2-Dichloroethene

Concen: 121.514 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

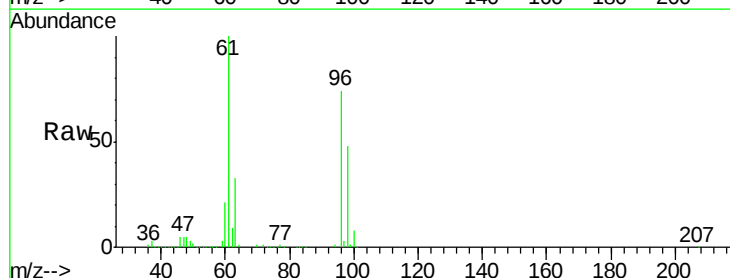
Tgt Ion: 96 Resp: 2405888

Ion Ratio Lower Upper

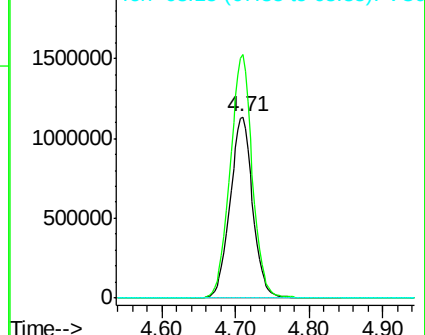
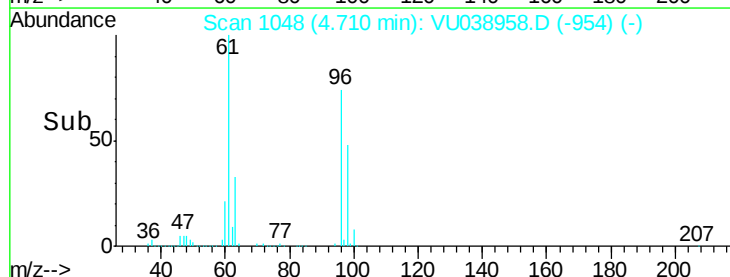
96 100

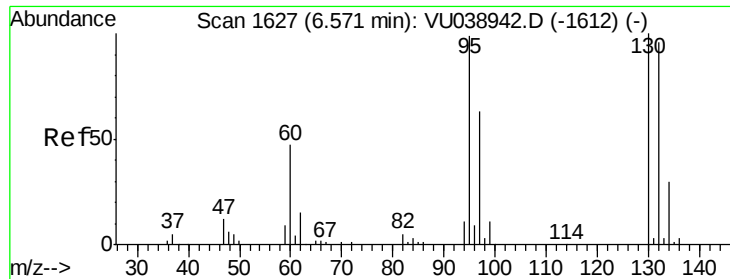
61 134.5 93.7 173.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038958.D (-954) (-)

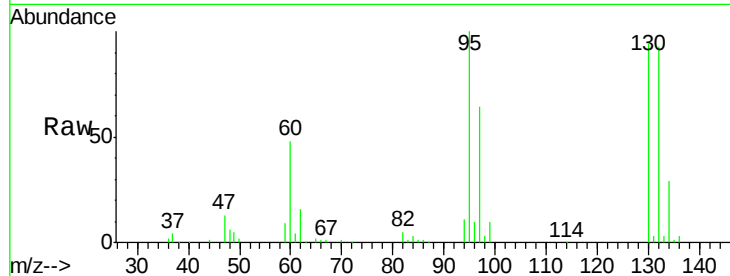




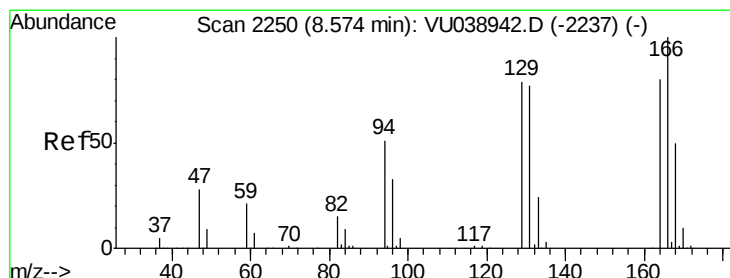
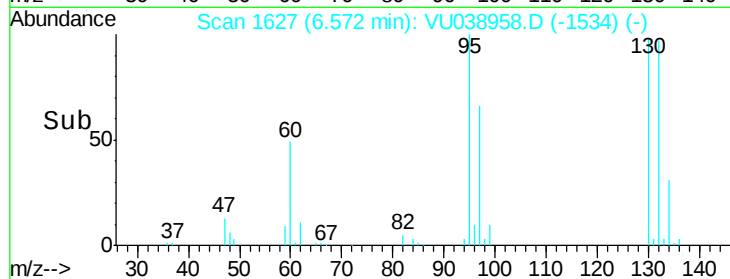
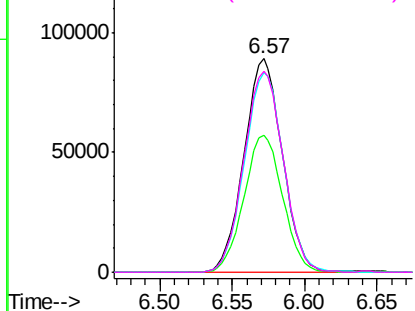
#34
 Trichloroethene
 Concen: 7.995 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

Instrument :
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 F9L36

Tot Ion: 95 Resp: 164238
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.4 84.4
 132 93.3 68.4 127.0
 130 94.3 69.6 129.2

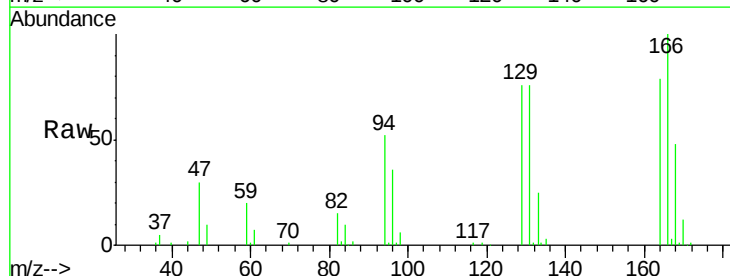


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V



#47
 Tetrachloroethene
 Concen: 2.497 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

Tgt Ion: 164 Resp: 39751
 Ion Ratio Lower Upper
 164 100
 129 97.2 66.1 122.8
 131 96.3 65.7 122.1
 166 127.3 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

