

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038922.D
 Acq On : 16 Jun 2020 14:45
 Operator : SY/MD
 Sample : L2975-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8Q4

Quant Time: Jun 17 02:45:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 17 02:00:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293796	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	296896	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133316	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82569	5.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.80%
7) Chloroethane-d5	1.93	69	78859	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.59	63	141143	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.69	46	310011	58.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.02%
24) Chloroform-d	5.10	84	180715	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.74	65	109322	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.76	84	354327	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.72	67	109312	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.92	98	299243	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.20	79	43902	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.66	63	263098	58.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93526	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	118609	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

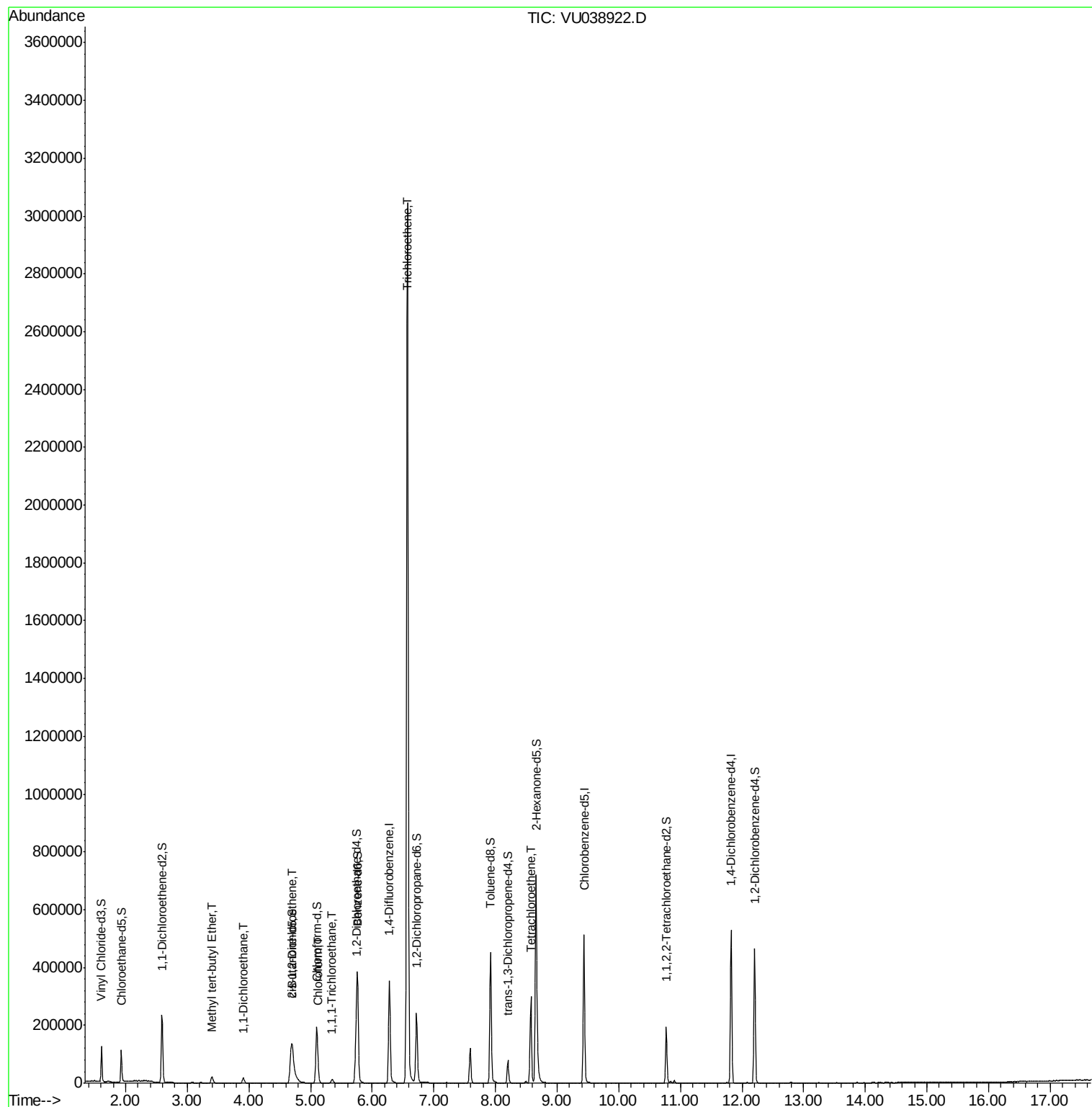
					Ovalue
17) Methyl tert-butyl Ether	3.40	73	22895	0.432 ug/L	98
19) 1,1-Dichloroethane	3.91	63	20165	0.500 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	18311	0.796 ug/L	84
25) Chloroform	5.13	83	13865	0.330 ug/L	93
29) 1,1,1-Trichloroethane	5.35	97	9298	0.253 ug/L	96
34) Trichloroethene	6.57	95	1028365	44.658 ug/L	97
47) Tetrachloroethene	8.57	164	67837	3.844 ug/L	97

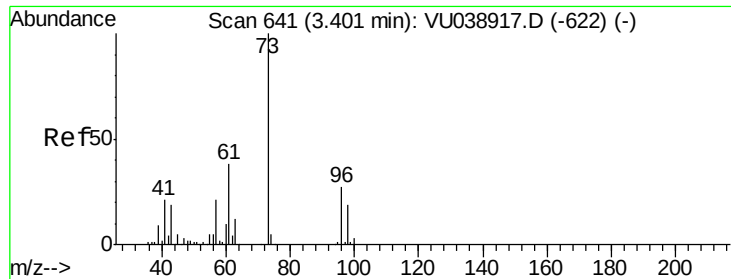
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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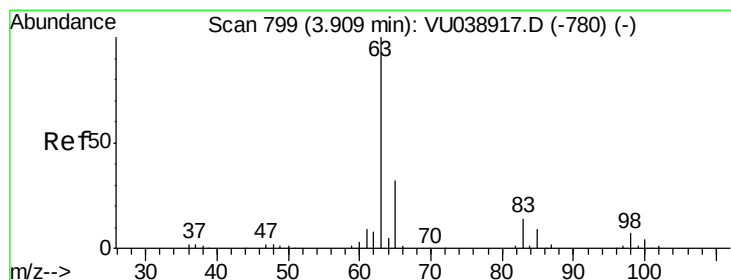
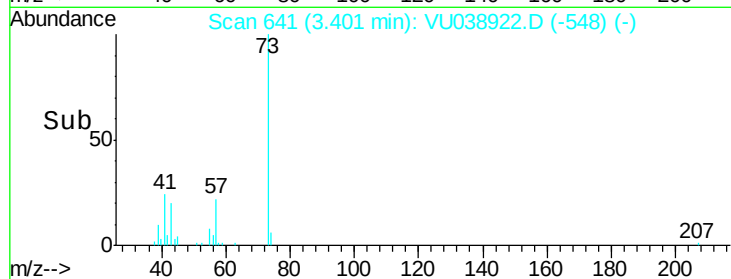
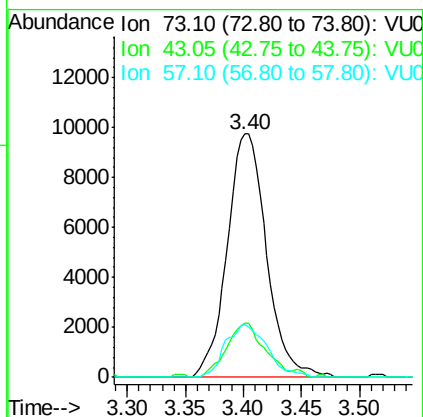
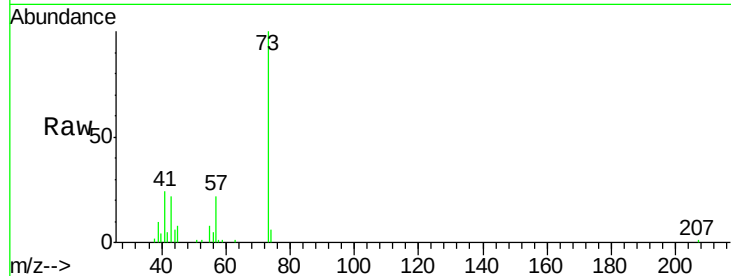




#17
Methyl tert-butyl Ether
Concen: 0.432 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038922.D
Acq: 16 Jun 2020 14:45

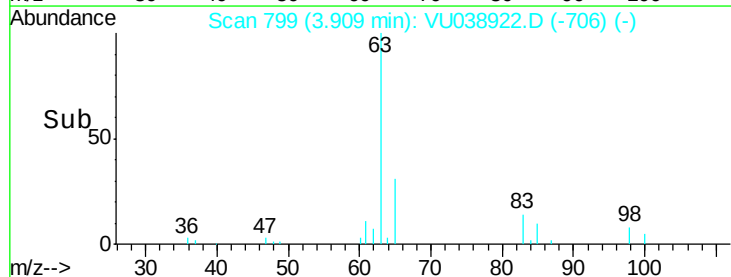
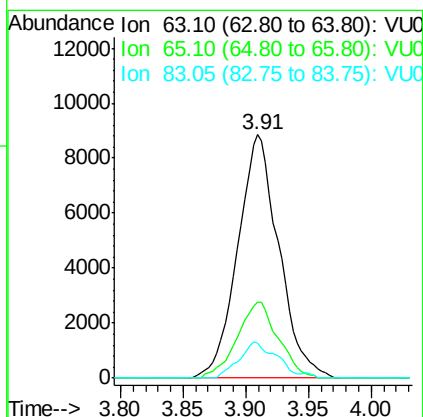
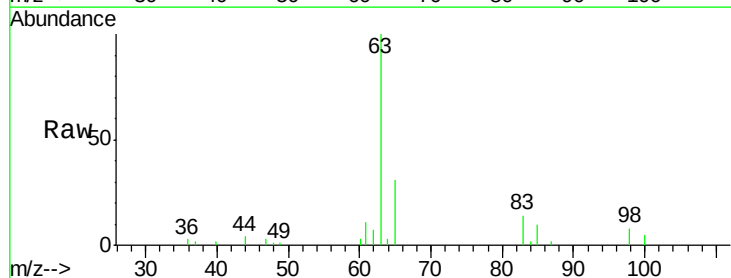
Instrument :
MSVOA_U
ClientSampleId :
BF8Q4

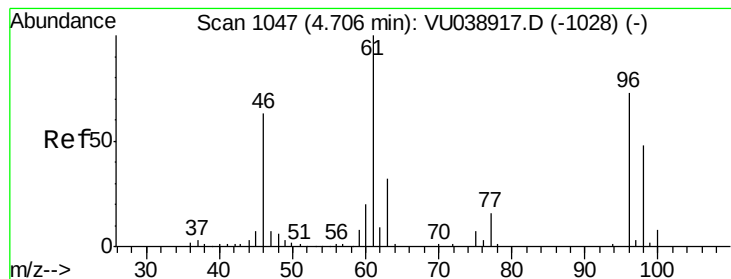
Tot Ion: 73 Resp: 22895
Ion Ratio Lower Upper
73 100
43 21.6 16.6 24.8
57 23.1 17.5 26.3



#19
1,1-Dichloroethane
Concen: 0.500 ug/L
RT: 3.91 min Scan# 799
Delta R.T. 0.00 min
Lab File: VU038922.D
Acq: 16 Jun 2020 14:45

Tgt Ion: 63 Resp: 20165
Ion Ratio Lower Upper
63 100
65 31.4 21.3 39.6
83 14.2 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 0.796 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038922.D

Acq: 16 Jun 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

BF8Q4

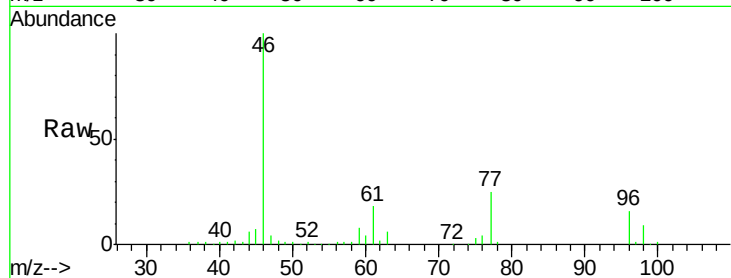
Tot Ion: 96 Resp: 18311

Ion Ratio Lower Upper

96 100

61 110.3 90.5 168.1

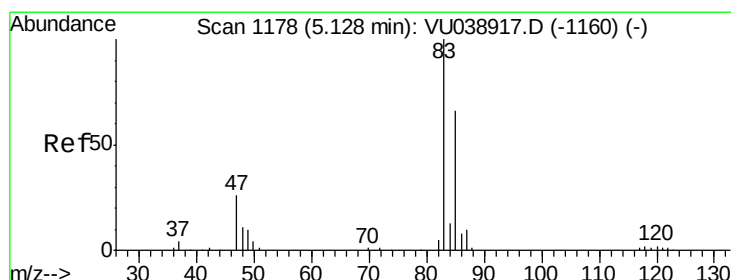
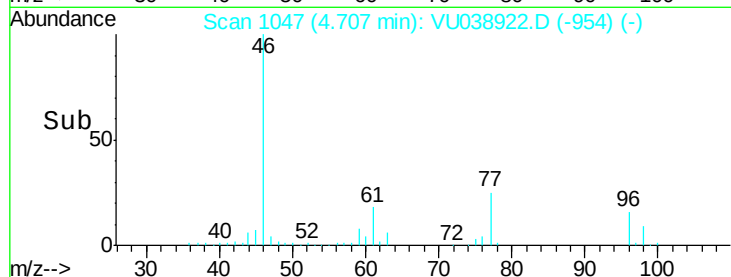
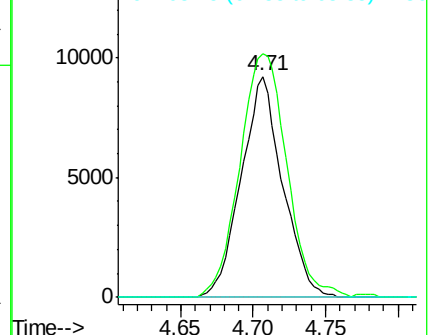
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.330 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038922.D

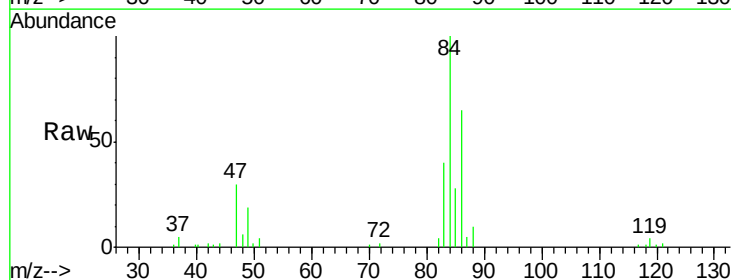
Acq: 16 Jun 2020 14:45

Tgt Ion: 83 Resp: 13865

Ion Ratio Lower Upper

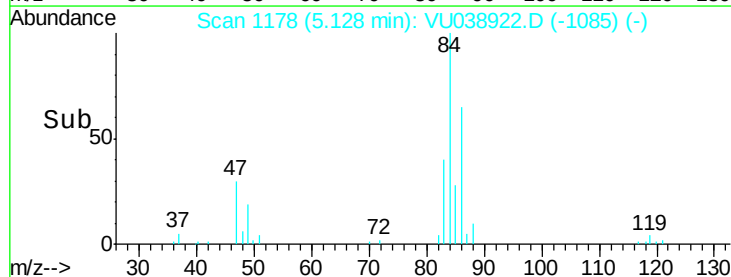
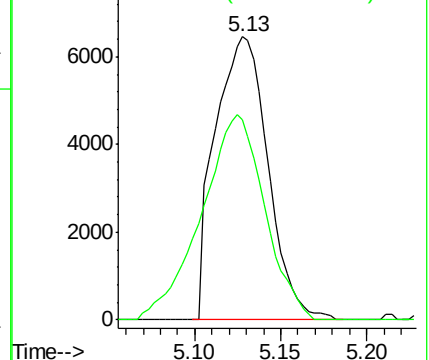
83 100

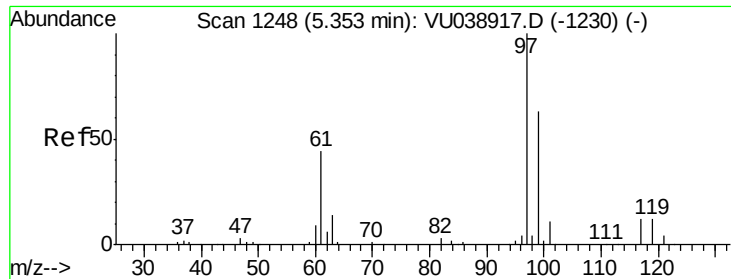
85 70.7 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

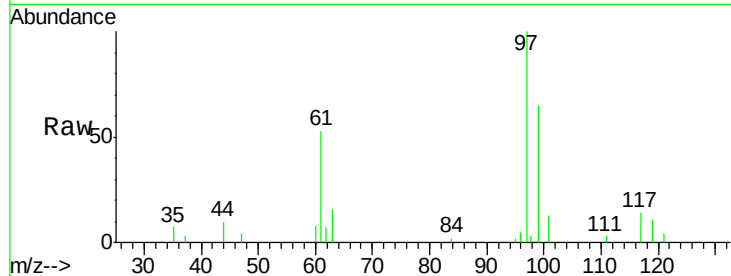




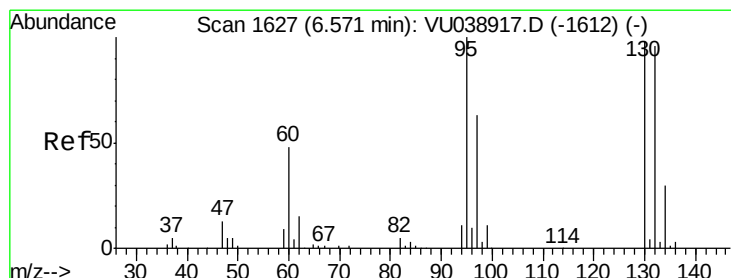
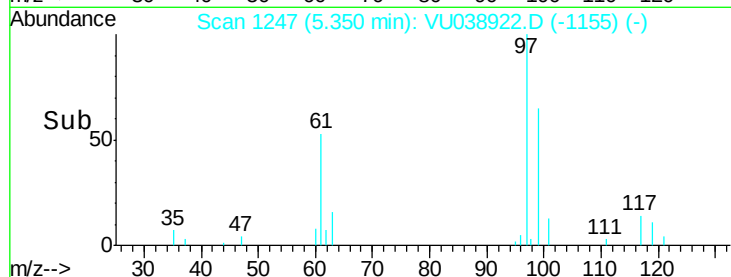
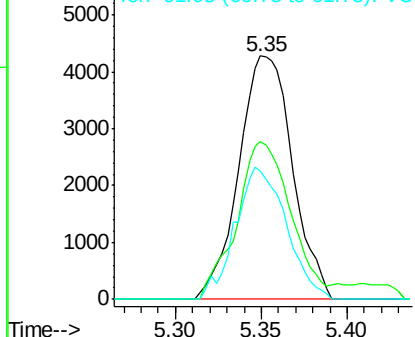
#29
1,1,1-Trichloroethane
Concen: 0.253 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU038922.D
Acq: 16 Jun 2020 14:45

Instrument :
MSVOA_U
ClientSampled :
BF8Q4

Tot Ion: 97 Resp: 9298
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.2
61 51.4 36.3 54.5



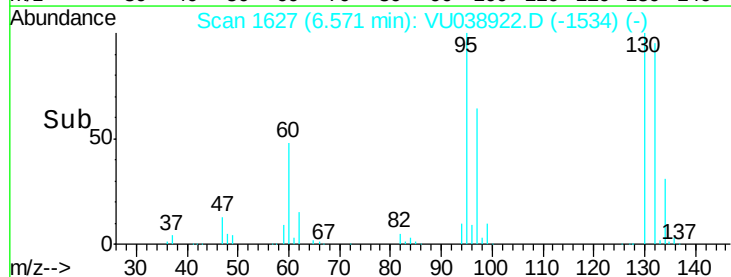
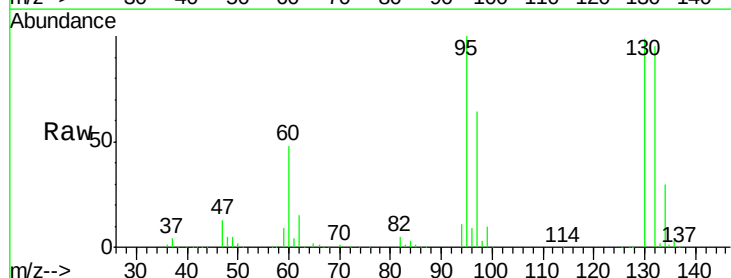
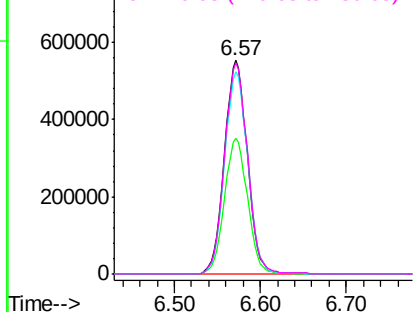
Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

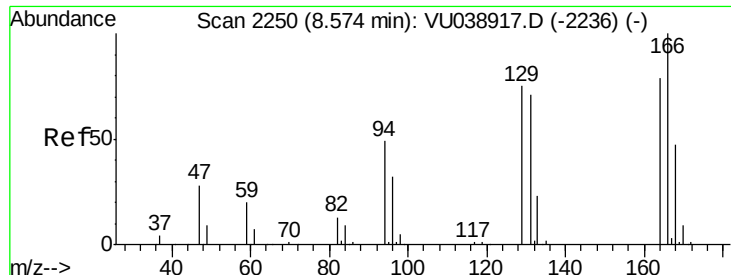


#34
Trichloroethene
Concen: 44.658 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038922.D
Acq: 16 Jun 2020 14:45

Tgt Ion: 95 Resp: 1028365
Ion Ratio Lower Upper
95 100
97 63.7 46.1 85.5
132 94.8 68.2 126.6
130 99.0 71.0 131.9

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: 3.844 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038922.D

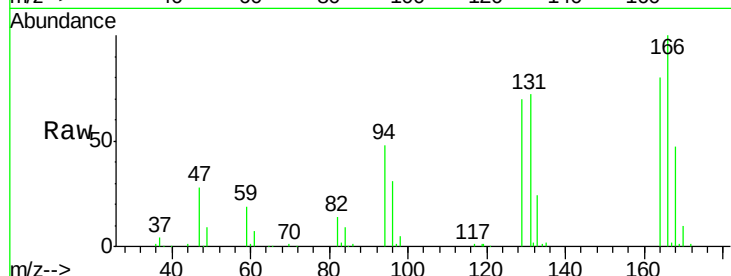
Acq: 16 Jun 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

BF8Q4



Tot Ion:164 Resp: 67837

Ion Ratio Lower Upper

164 100

129 87.4 65.5 121.7

131 89.3 63.9 118.7

166 124.4 87.9 163.3

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

