

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037670.D
 Acq On : 10 Apr 2020 14:08
 Operator : JC/MD
 Sample : L2189-02 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 23:30:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 23:26:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	512337	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	496413	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	250479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	173817	38.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.62%
7) Chloroethane-d5	1.90	69	152465	42.12	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.24%
11) 1,1-Dichloroethene-d2	2.58	63	240537	32.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.92%
21) 2-Butanone-d5	4.66	46	366839	101.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.09%
24) Chloroform-d	5.10	84	314631	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
26) 1,2-Dichloroethane-d4	5.74	65	229764	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
32) Benzene-d6	5.76	84	676521	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
36) 1,2-Dichloropropane-d6	6.72	67	233231	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.96%
41) Toluene-d8	7.92	98	613175	45.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.56%
43) trans-1,3-Dichloropropene-	8.20	79	121423	46.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.40%
47) 2-Hexanone-d5	8.65	63	299256	107.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	357659	52.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.16%
64) 1,2-Dichlorobenzene-d4	12.20	152	241775	46.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.76%

Target Compounds

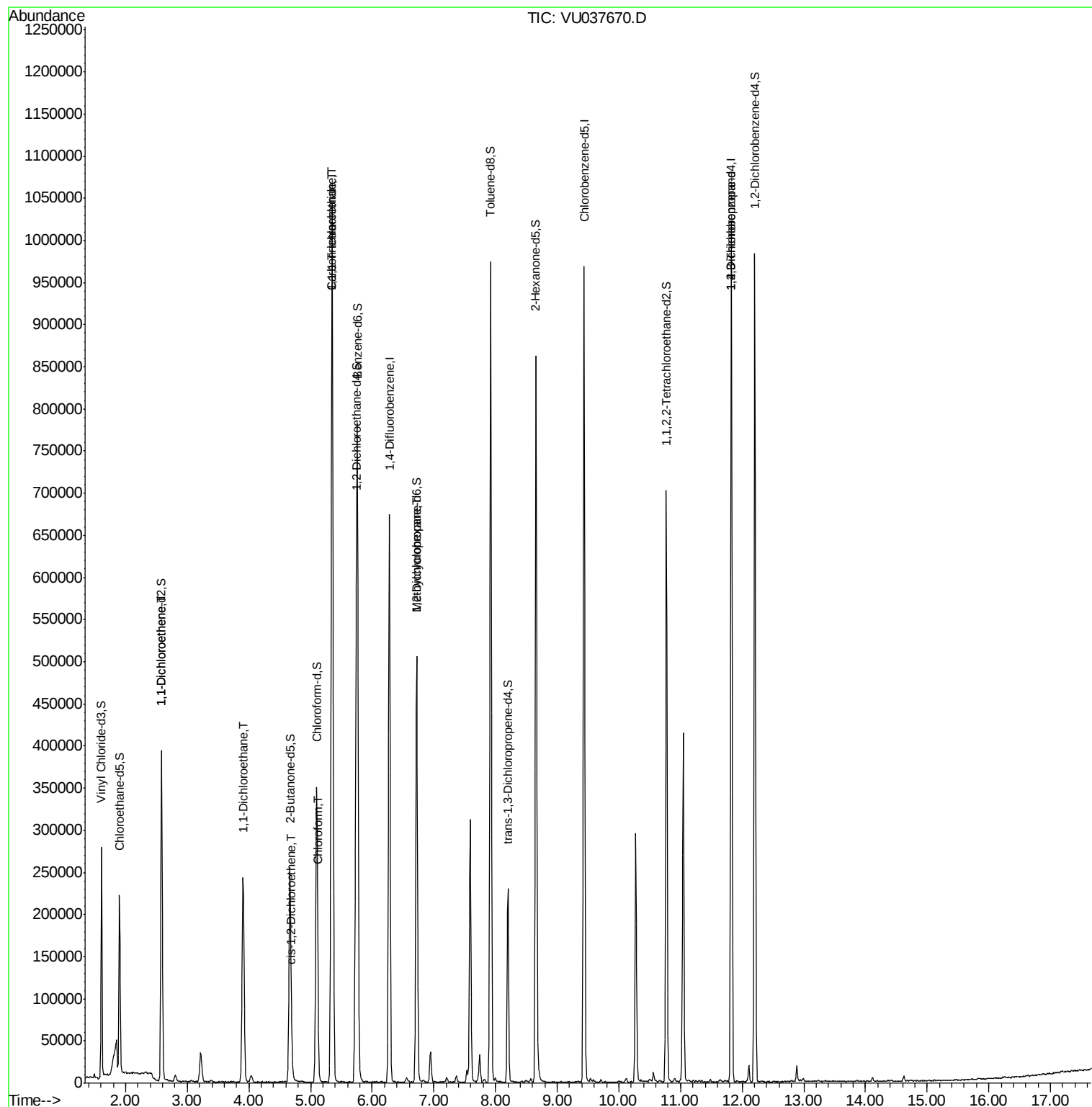
					Ovalue
12) 1,1-Dichloroethene	2.59	96	13134	4.010 ug/L #	1
19) 1,1-Dichloroethane	3.91	63	286751	41.628 ug/L	100
20) cis-1,2-Dichloroethene	4.70	96	3334	0.863 ug/L	94
25) Chloroform	5.12	83	10118	1.561 ug/L	92
30) 1,1,1-Trichloroethane	5.35	97	749750	133.249 ug/L	99
31) Carbon tetrachloride	5.35	117	94254	20.635 ug/L	100
35) Methylcyclohexane	6.72	83	53003	8.033 ug/L #	18
59) 1,2,3-Trichloropropane	11.83	75	34882	6.186 ug/L	93

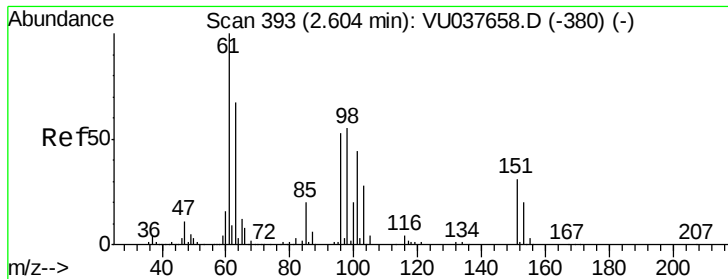
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.010 ug/L

RT: 2.59 min Scan# 390

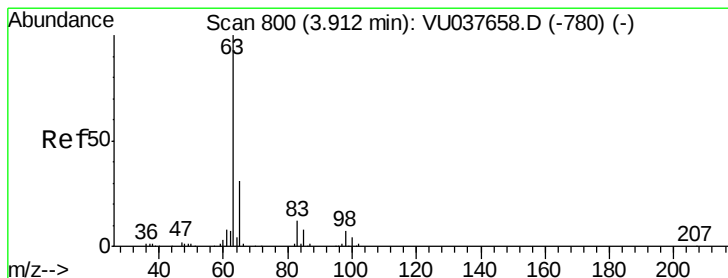
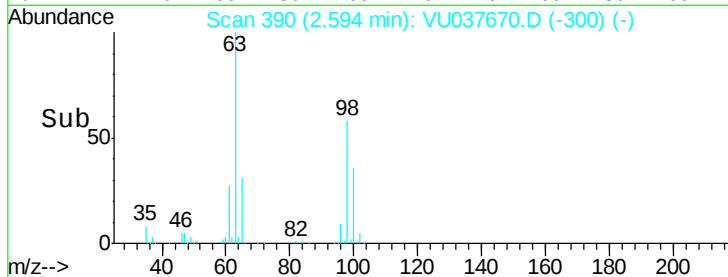
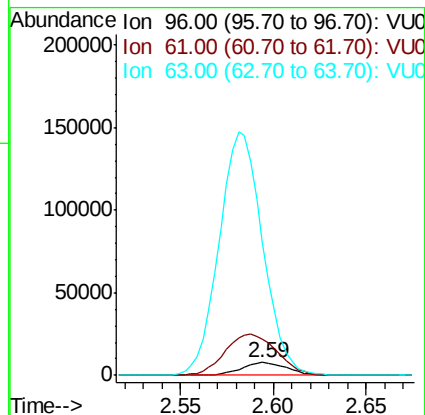
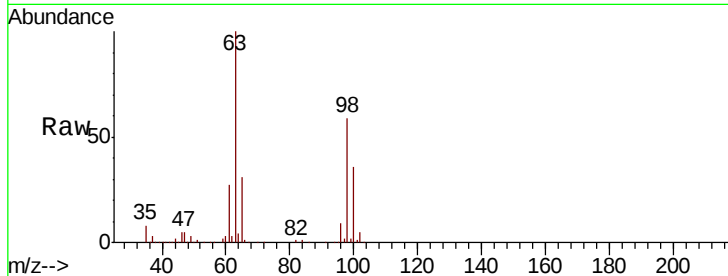
Delta R.T. -0.01 min

Lab File: VU037670.D

Acq: 10 Apr 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 13134
Ion Ratio Lower Upper
96 100
61 283.5 123.6 229.6#
63 1054.3 85.7 159.1#



#19

1,1-Dichloroethane

Concen: 41.628 ug/L

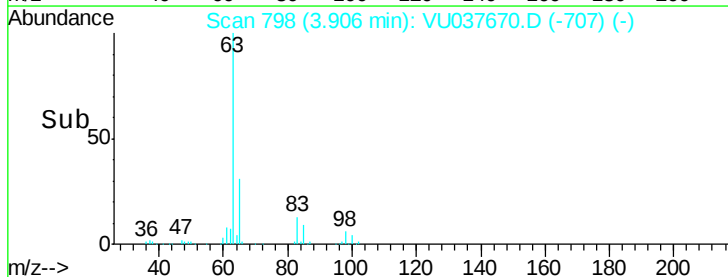
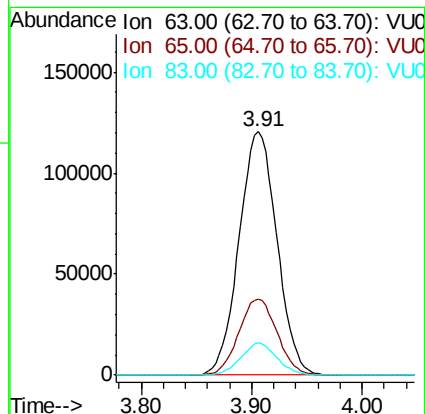
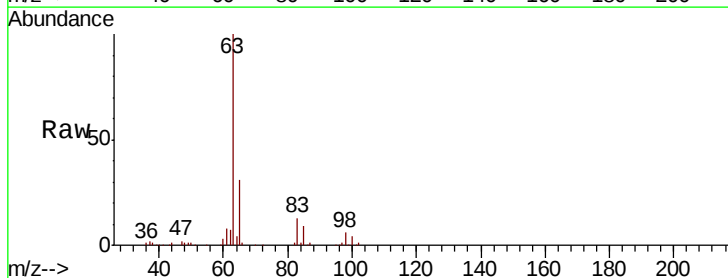
RT: 3.91 min Scan# 798

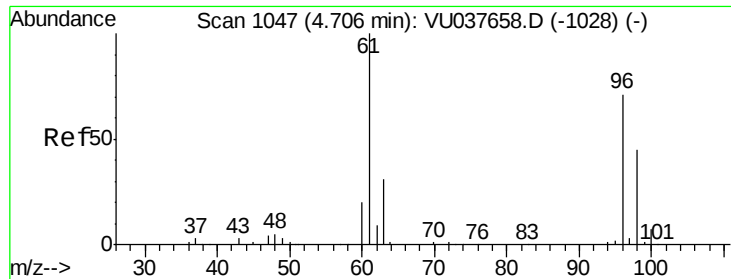
Delta R.T. -0.01 min

Lab File: VU037670.D

Acq: 10 Apr 2020 14:08

Tgt Ion: 63 Resp: 286751
Ion Ratio Lower Upper
63 100
65 31.3 21.9 40.7
83 13.1 9.0 16.6

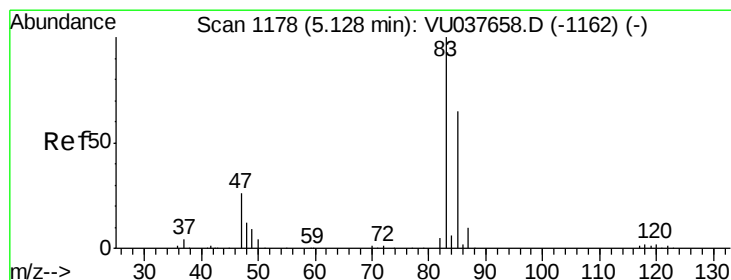
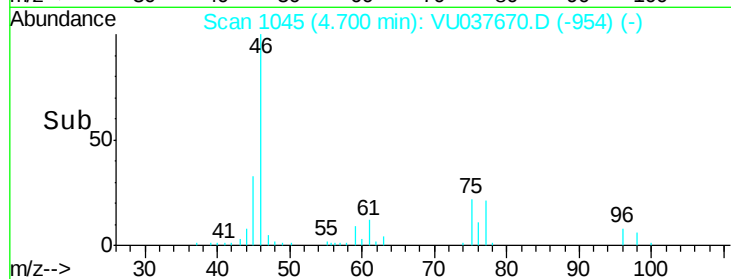
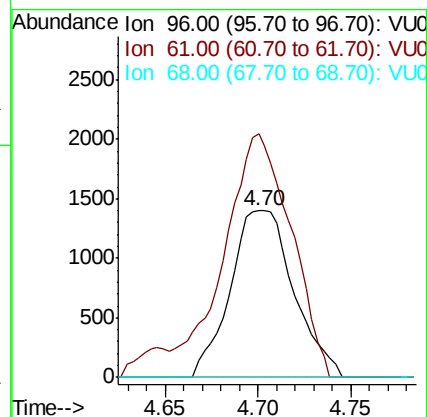
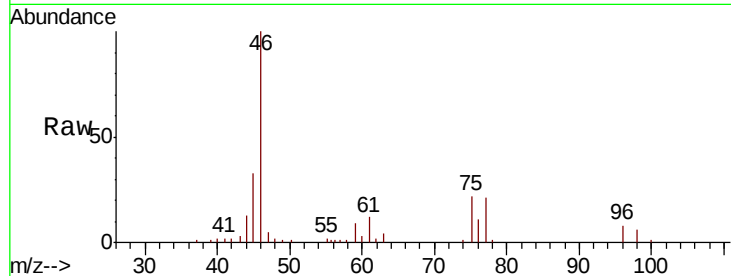




#20
 cis-1,2-Dichloroethene
 Concen: 0.863 ug/L
 RT: 4.70 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: VU037670.D
 Acq: 10 Apr 2020 14:08

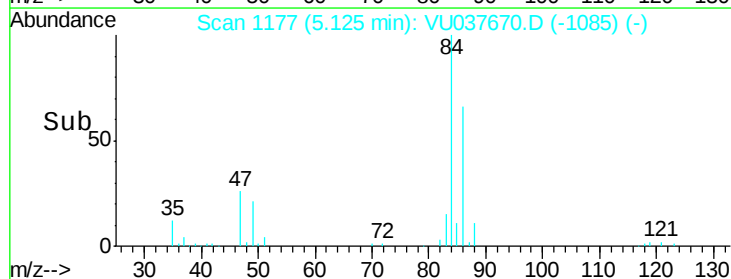
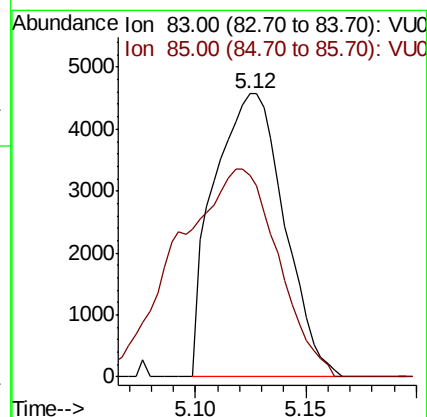
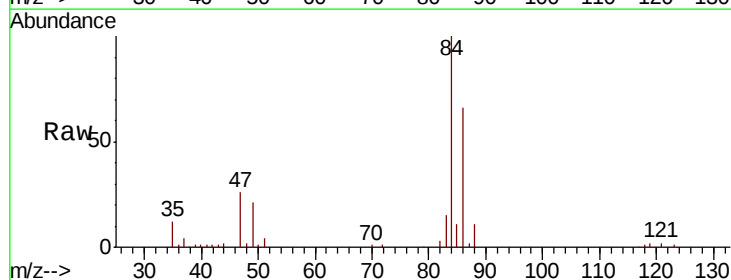
Instrument :
 MSVOA_U
 ClientSampled :

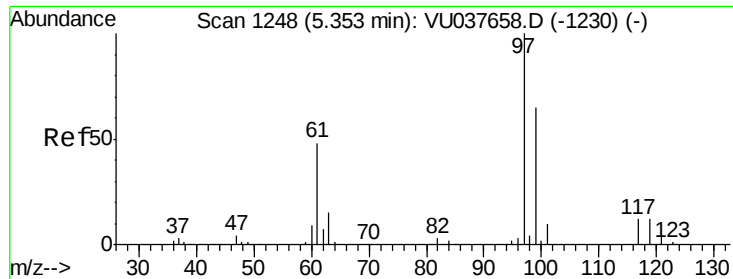
Tot Ion: 96 Resp: 3334
 Ion Ratio Lower Upper
 96 100
 61 146.2 97.5 181.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.561 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU037670.D
 Acq: 10 Apr 2020 14:08

Tgt Ion: 83 Resp: 10118
 Ion Ratio Lower Upper
 83 100
 85 71.4 45.5 84.5

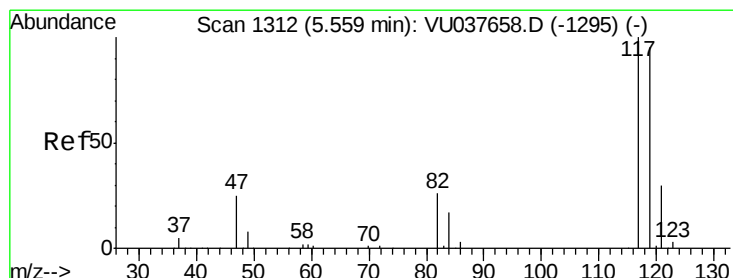
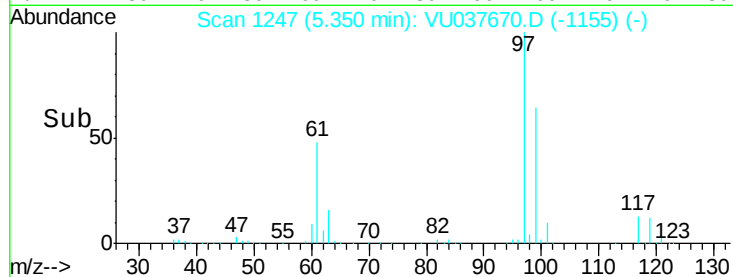
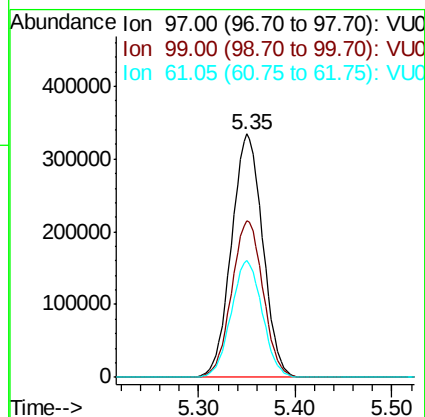
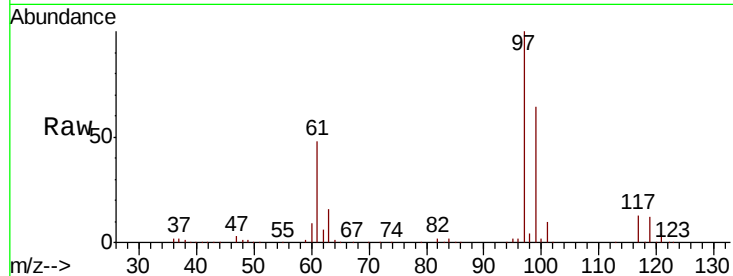




#30
 1,1,1-Trichloroethane
 Concen: 133.249 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VU037670.D
 Acq: 10 Apr 2020 14:08

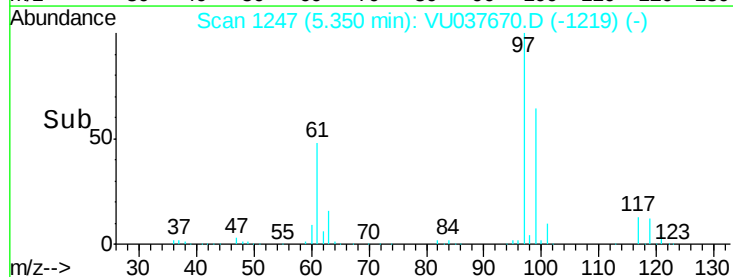
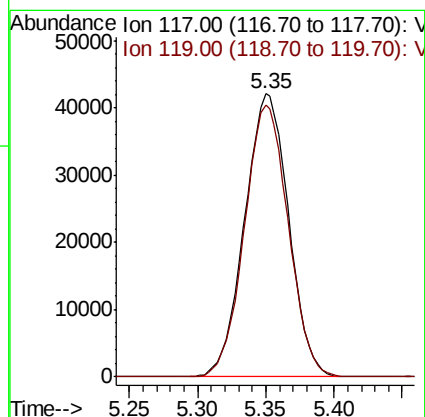
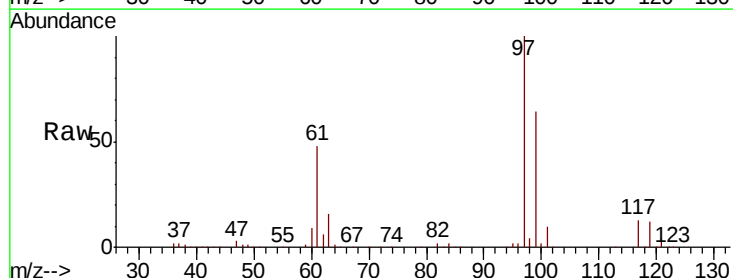
Instrument :
 MSVOA_U
 ClientSampleId :

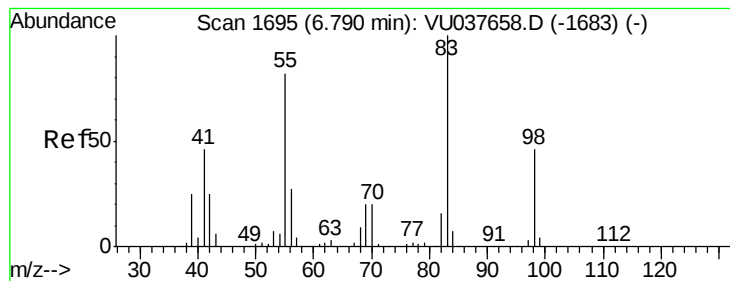
Tot Ion: 97 Resp: 749750
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.9 77.9
 61 47.7 37.1 55.7



#31
 Carbon tetrachloride
 Concen: 20.635 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.21 min
 Lab File: VU037670.D
 Acq: 10 Apr 2020 14:08

Tgt Ion: 117 Resp: 94254
 Ion Ratio Lower Upper
 117 100
 119 95.7 77.0 115.4





#35

Methylcyclohexane

Concen: 8.033 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU037670.D

Acq: 10 Apr 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :

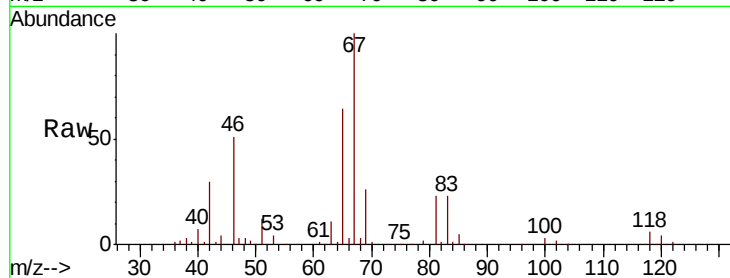
Tot Ion: 83 Resp: 53003

Ion Ratio Lower Upper

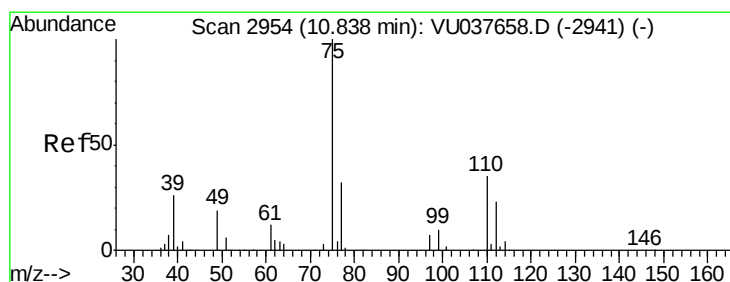
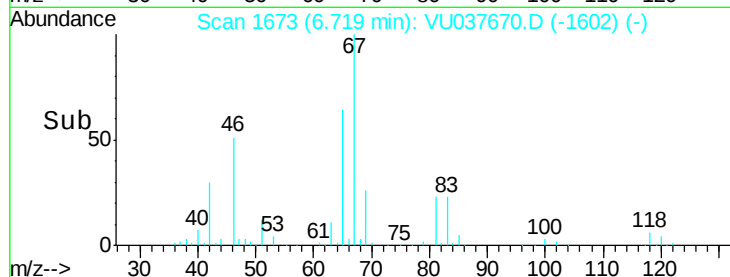
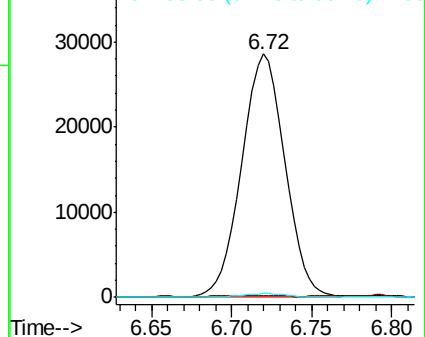
83 100

55 0.3 64.6 96.8#

98 1.5 38.0 57.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#59

1,2,3-Trichloropropane

Concen: 6.186 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037670.D

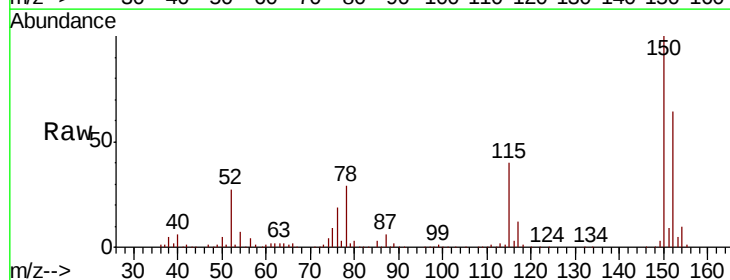
Acq: 10 Apr 2020 14:08

Tgt Ion: 75 Resp: 34882

Ion Ratio Lower Upper

75 100

77 36.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

