

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037661.D
 Acq On : 10 Apr 2020 09:59
 Operator : JC/MD
 Sample : L2189-01 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 23:29:35 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	497802	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	478875	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	231735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	196271	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.93	69	164188	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.38%
11) 1,1-Dichloroethene-d2	2.59	63	252354	35.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.16%
21) 2-Butanone-d5	4.66	46	348052	98.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.71%
24) Chloroform-d	5.10	84	314068	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.74	65	224973	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
32) Benzene-d6	5.76	84	682625	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
36) 1,2-Dichloropropane-d6	6.72	67	230082	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.12%
41) Toluene-d8	7.92	98	611657	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	8.20	79	118706	46.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.64%
47) 2-Hexanone-d5	8.66	63	254751	94.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	316861	47.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	226952	47.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.12%

Target Compounds

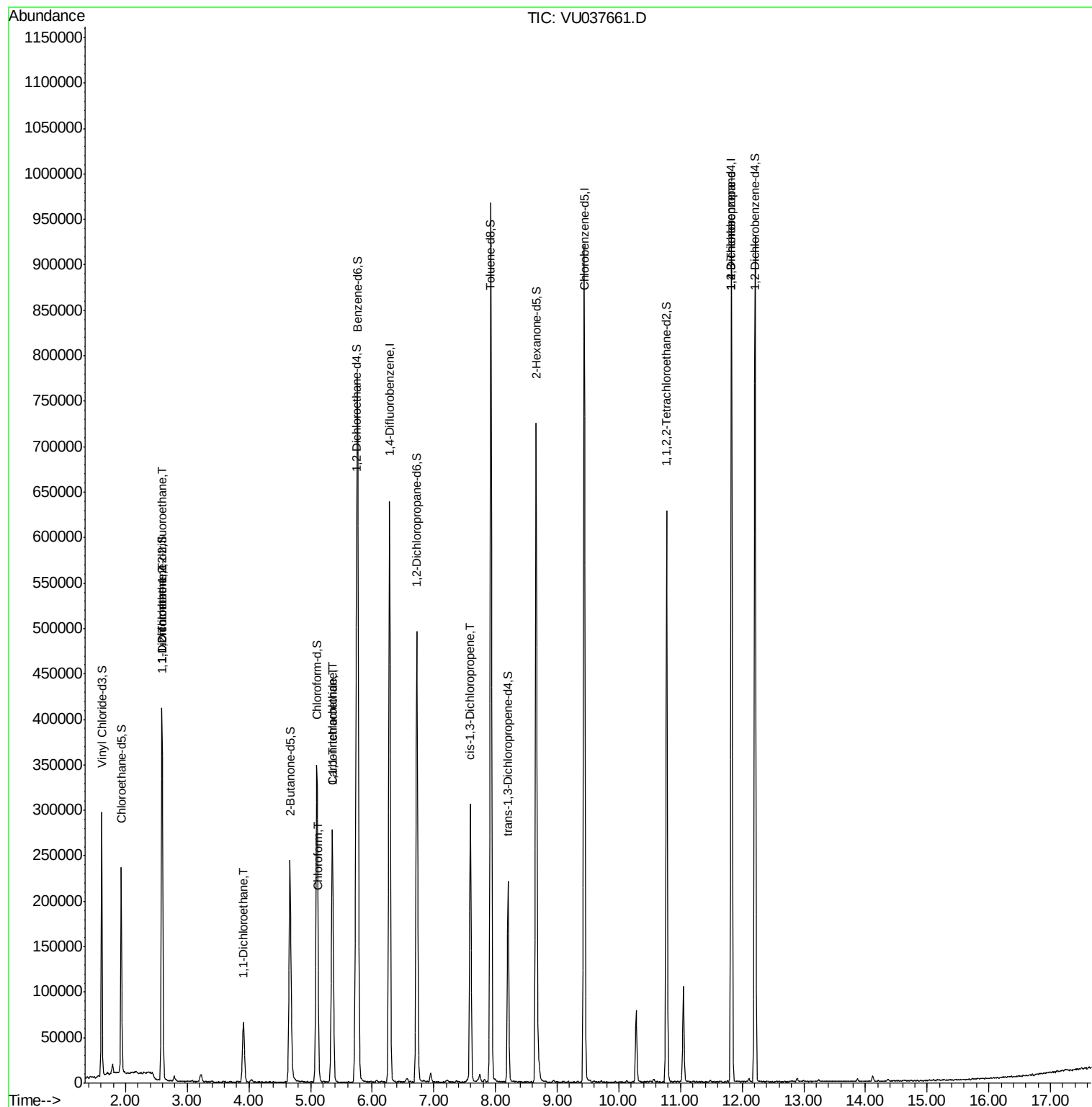
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2356	0.751 ug/L #	22
12) 1,1-Dichloroethene	2.60	96	5130	1.612 ug/L #	1
19) 1,1-Dichloroethane	3.91	63	76360	11.409 ug/L	99
25) Chloroform	5.13	83	6442	1.023 ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	199465	36.748 ug/L	99
31) Carbon tetrachloride	5.35	117	24710	5.608 ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6962	1.062 ug/L #	56
59) 1,2,3-Trichloropropane	11.83	75	31991	5.881 ug/L	93

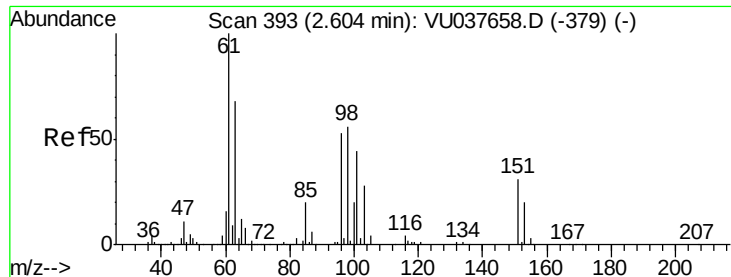
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 10 23:26:55 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.751 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037661.D

Acq: 10 Apr 2020 09:59

Instrument :

MSVOA_U

ClientSampleId :

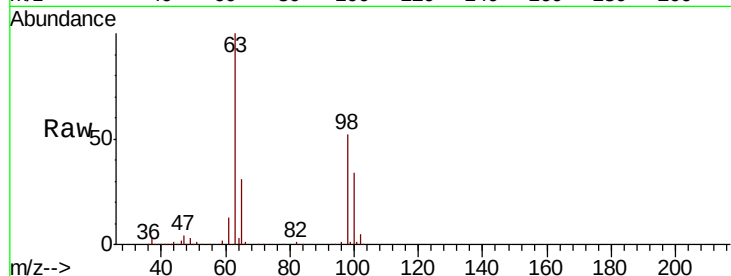
Tot Ion:101 Resp: 2356

Ion Ratio Lower Upper

101 100

85 1.7 34.5 51.7#

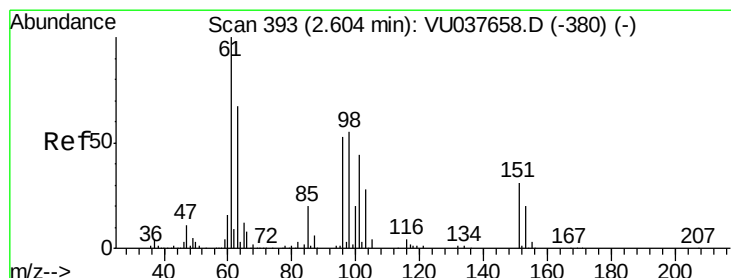
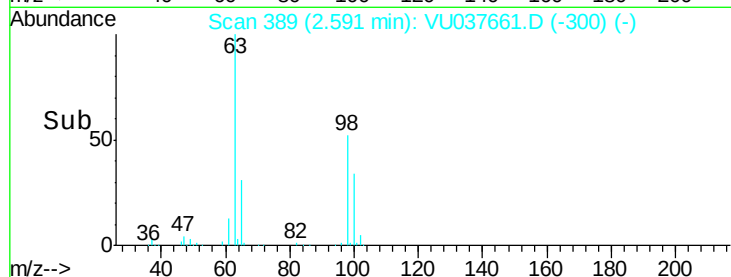
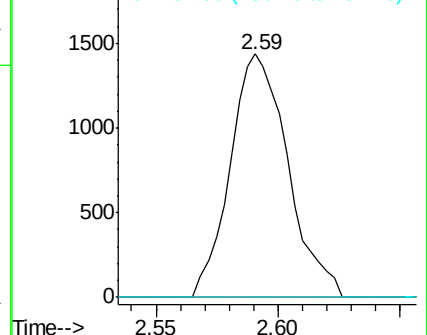
151 0.0 56.8 85.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.612 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037661.D

Acq: 10 Apr 2020 09:59

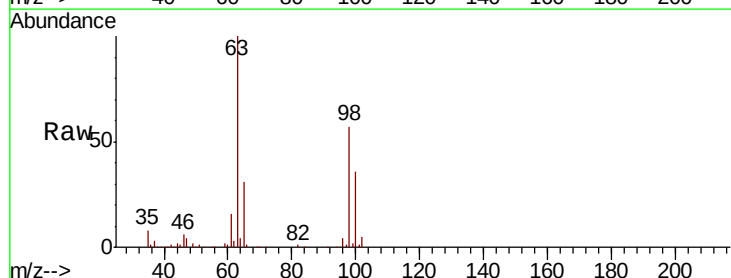
Tgt Ion: 96 Resp: 5130

Ion Ratio Lower Upper

96 100

61 447.5 123.6 229.6#

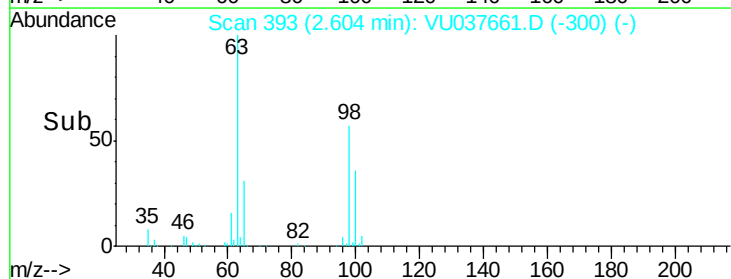
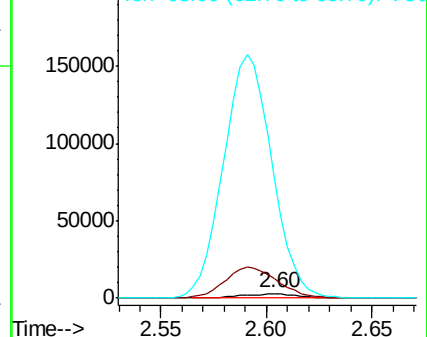
63 2749.1 85.7 159.1#

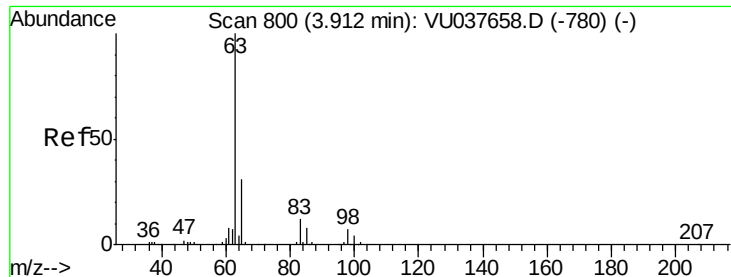


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

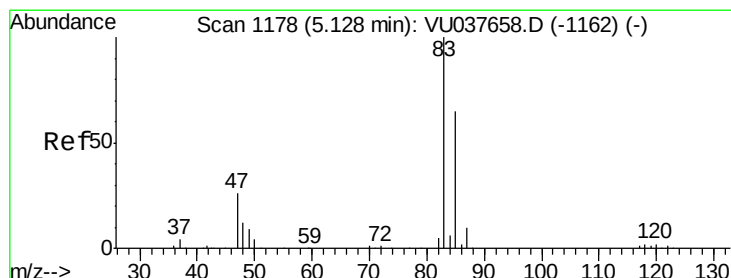
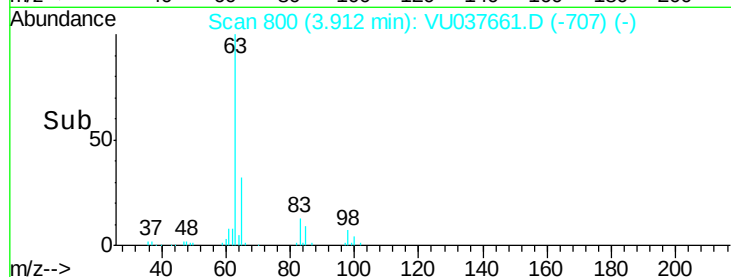
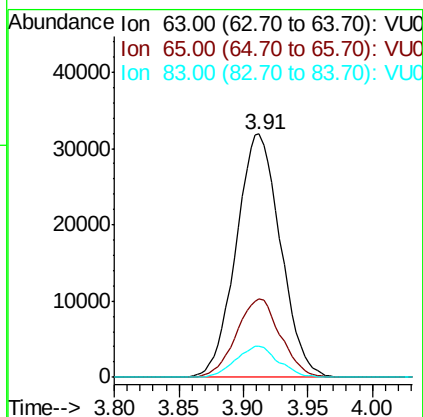
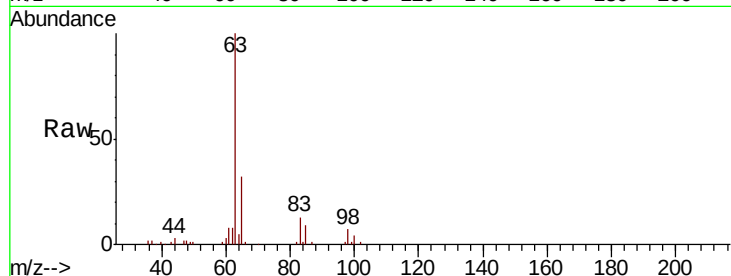




#19
 1,1-Dichloroethane
 Concen: 11.409 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037661.D
 Acq: 10 Apr 2020 09:59

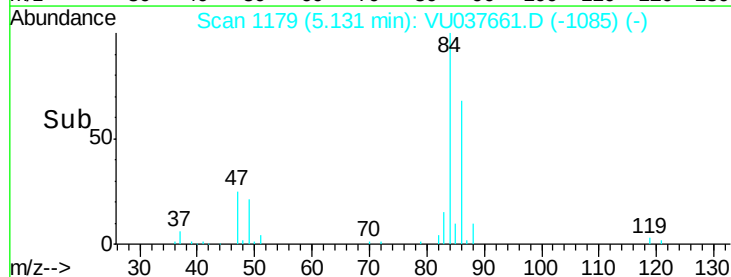
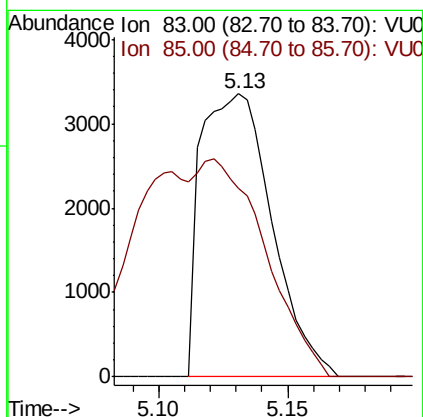
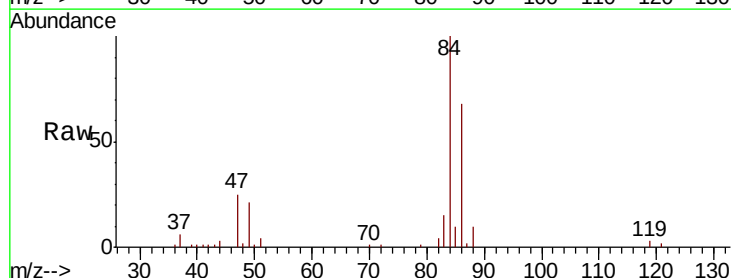
Instrument :
 MSVOA_U
 ClientSampleId :

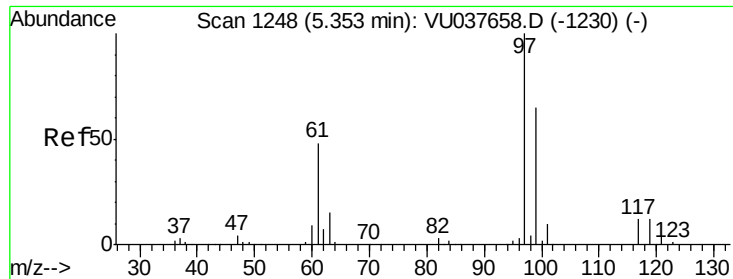
Tot Ion	63	Resp	76360
Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.9	40.7
83	12.9	9.0	16.6



#25
 Chloroform
 Concen: 1.023 ug/L
 RT: 5.13 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU037661.D
 Acq: 10 Apr 2020 09:59

Tgt Ion	83	Resp	6442
Ion	Ratio	Lower	Upper
83	100		
85	66.7	45.5	84.5

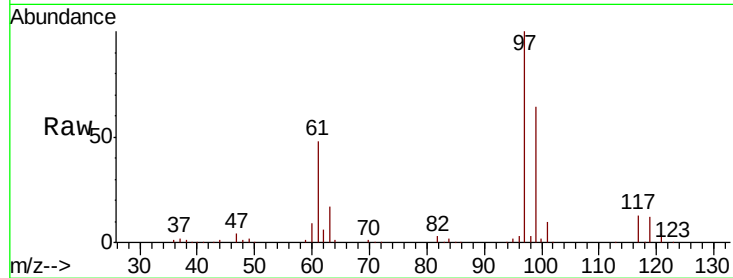




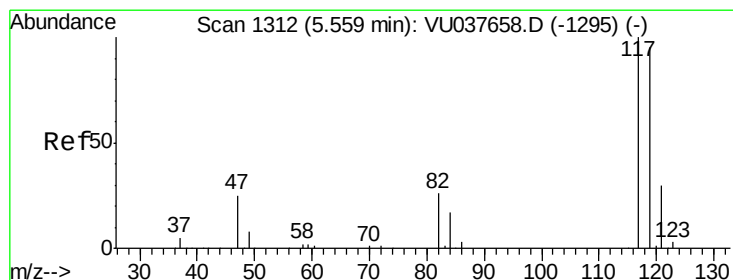
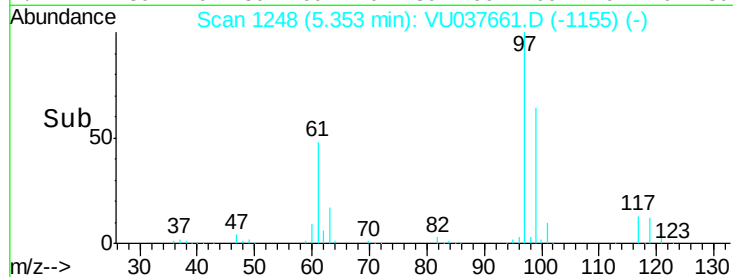
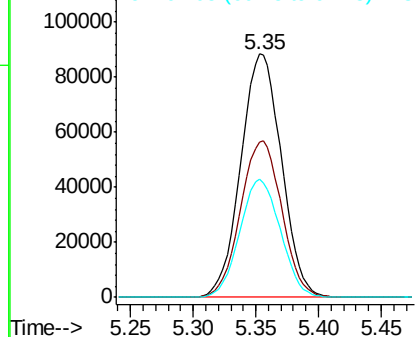
#30
 1,1,1-Trichloroethane
 Concen: 36.748 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037661.D
 Acq: 10 Apr 2020 09:59

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 199465
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.9 77.9
 61 48.3 37.1 55.7

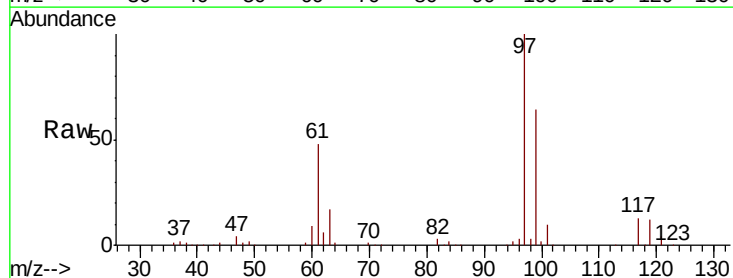


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

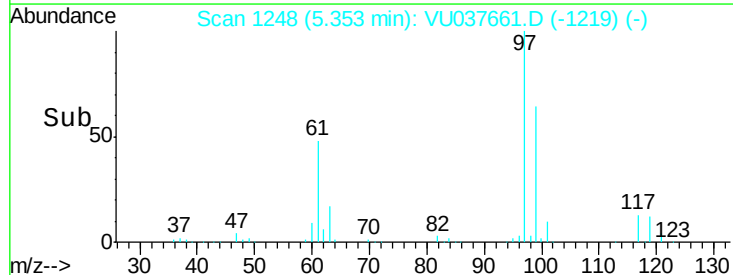
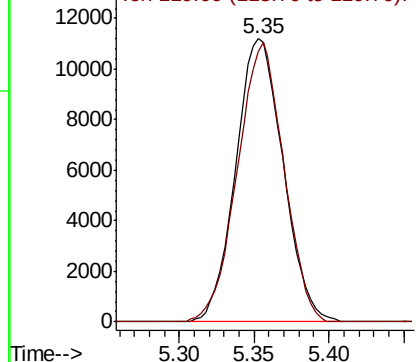


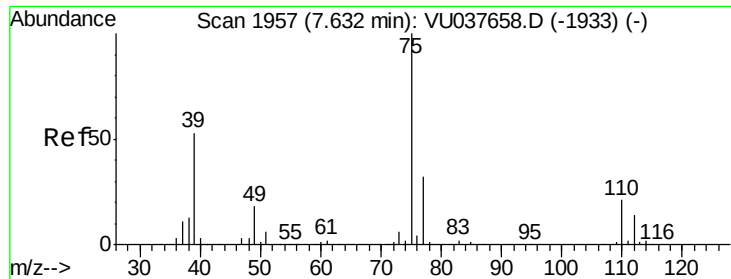
#31
 Carbon tetrachloride
 Concen: 5.608 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU037661.D
 Acq: 10 Apr 2020 09:59

Tgt Ion: 117 Resp: 24710
 Ion Ratio Lower Upper
 117 100
 119 96.4 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



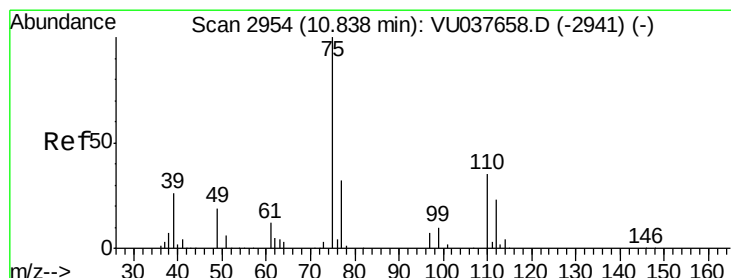
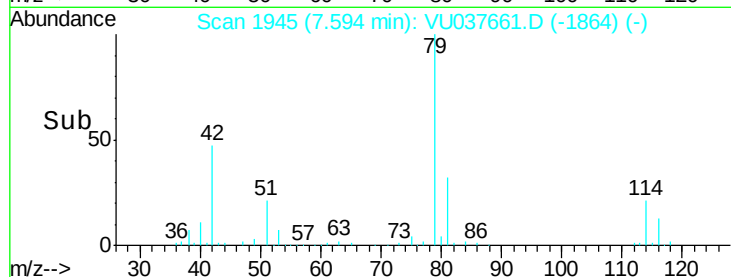
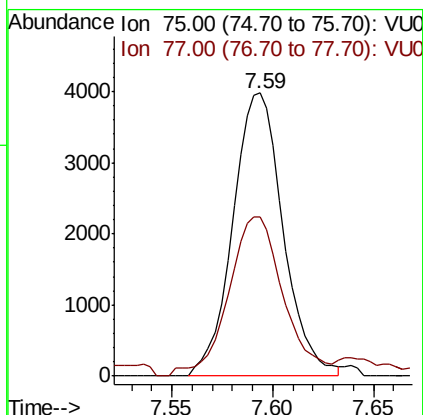
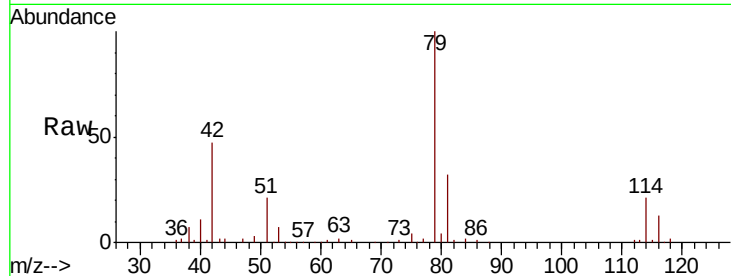


#39

cis-1,3-Dichloropropene
Concen: 1.062 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU037661.D
Acq: 10 Apr 2020 09:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 6962
Ion Ratio Lower Upper
75 100
77 56.2 22.1 41.1#



#59

1,2,3-Trichloropropane
Concen: 5.881 ug/L
RT: 11.83 min Scan# 3261
Delta R.T. 0.99 min
Lab File: VU037661.D
Acq: 10 Apr 2020 09:59

Tgt Ion: 75 Resp: 31991
Ion Ratio Lower Upper
75 100
77 35.8 25.6 38.4

