

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037112.D
 Acq On : 06 Mar 2020 16:16
 Operator : JC/MD
 Sample : L1784-12 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 00:03:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	271354	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	260271	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	87240	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91508	40.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.32%
7) Chloroethane-d5	1.93	69	84717	44.93	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.86%
11) 1,1-Dichloroethene-d2	2.59	63	119653	31.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.72%
21) 2-Butanone-d5	4.67	46	136954	89.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.60%
24) Chloroform-d	5.11	84	151521	43.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.08%
26) 1,2-Dichloroethane-d4	5.74	65	103271	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.70%
32) Benzene-d6	5.76	84	327410	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.72	67	106168	43.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.08%
41) Toluene-d8	7.92	98	285716	40.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.84%
43) trans-1,3-Dichloropropene-	8.20	79	43890	38.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.46%
47) 2-Hexanone-d5	8.66	63	89842	75.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.35%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	143367	41.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	79113	46.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.78%

Target Compounds

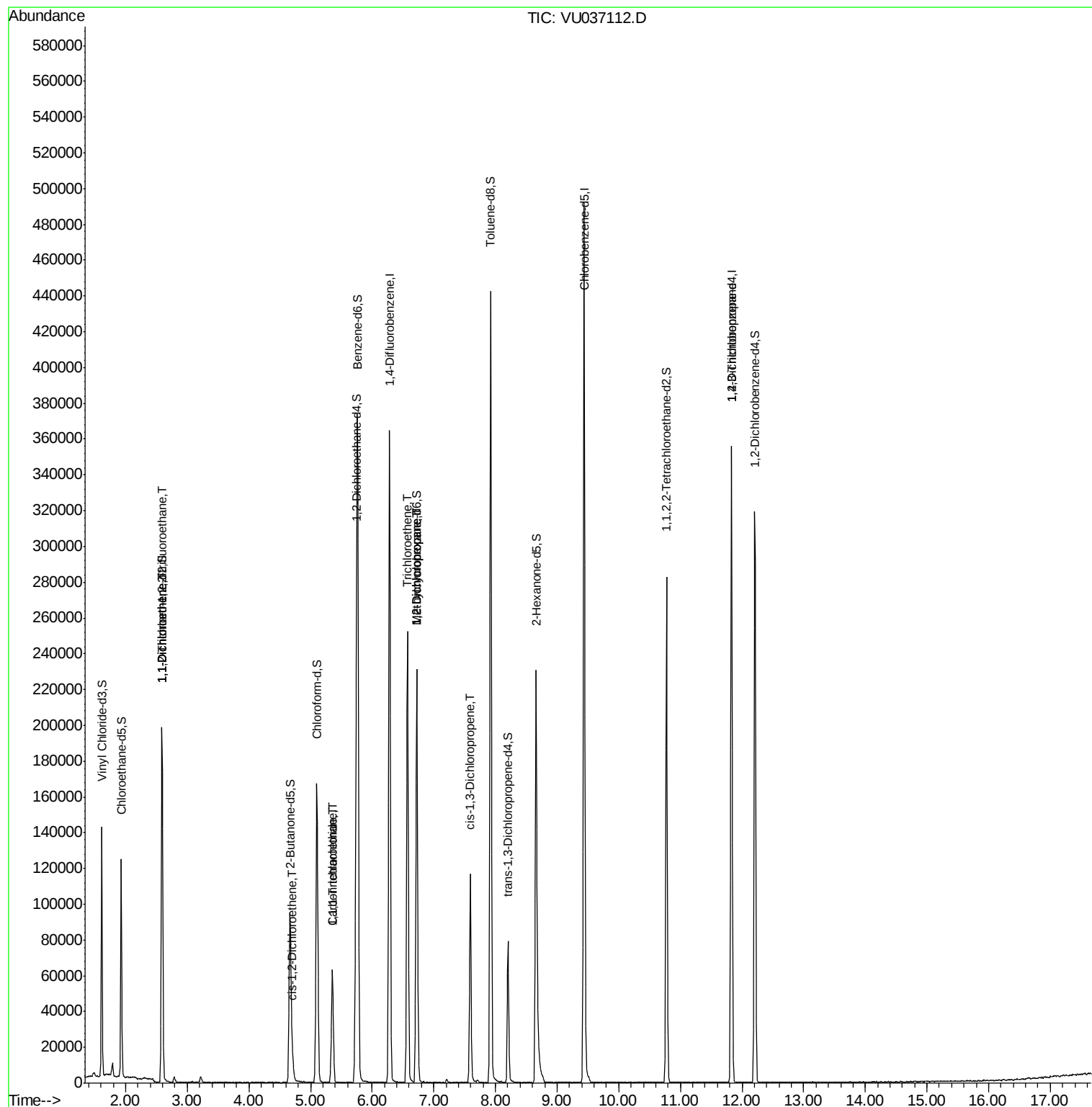
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1629	0.940 ug/L #	41
12) 1,1-Dichloroethene	2.60	96	1668	0.952 ug/L #	1
20) cis-1,2-Dichloroethene	4.71	96	4493	2.134 ug/L	86
30) 1,1,1-Trichloroethane	5.36	97	43060	15.431 ug/L	98
31) Carbon tetrachloride	5.35	117	5764	2.635 ug/L	94
34) Trichloroethene	6.57	95	86684	42.893 ug/L	98
35) Methylcyclohexane	6.72	83	24056	6.865 ug/L #	19
37) 1,2-Dichloropropane	6.72	63	11514	5.201 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2802	0.822 ug/L #	74
59) 1,2,3-Trichloropropane	11.83	75	13947	4.897 ug/L	98

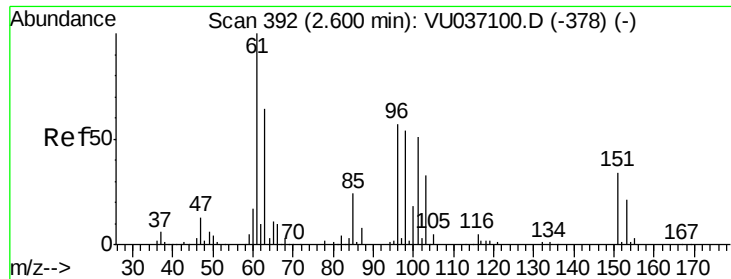
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Mar 06 23:54:55 2020
Response via : Initial Calibration





#10

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

Concen: 0.940 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU037112.D

Acq: 06 Mar 2020 16:16

Instrument :

MSVOA_U

ClientSampled :

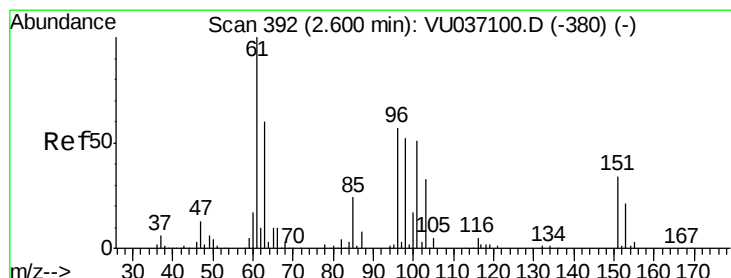
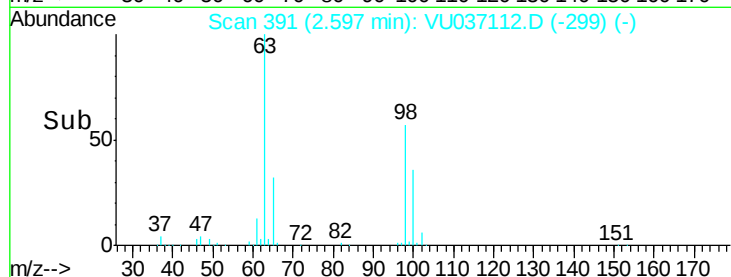
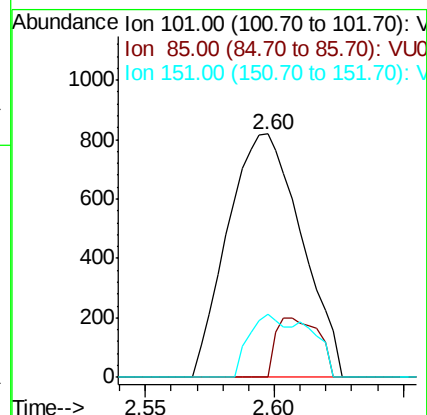
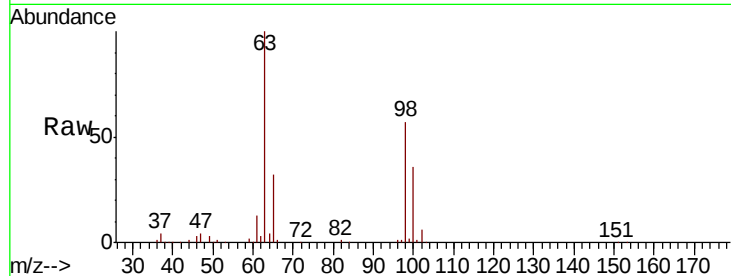
Tot Ion:101 Resp: 1629

Ion Ratio Lower Upper

101 100

85 14.0 36.4 54.6#

151 12.0 52.4 78.6#



#12

1,1-Dichloroethene

Concen: 0.952 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU037112.D

Acq: 06 Mar 2020 16:16

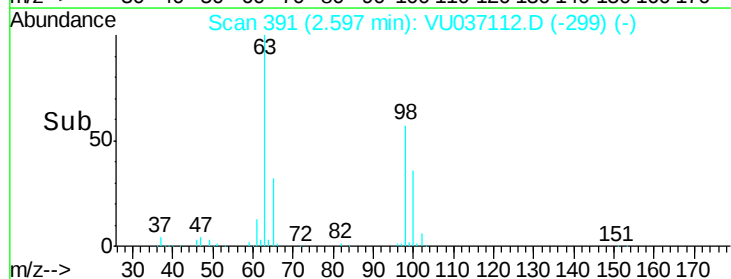
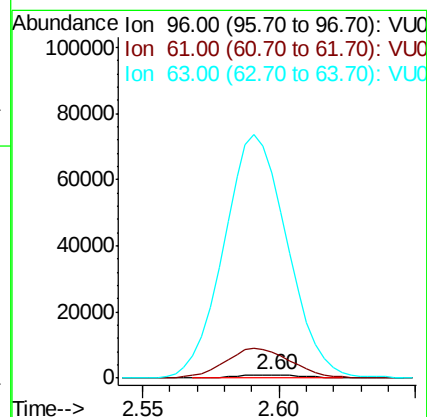
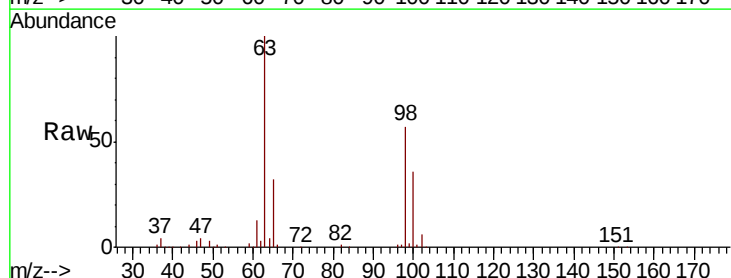
Tgt Ion: 96 Resp: 1668

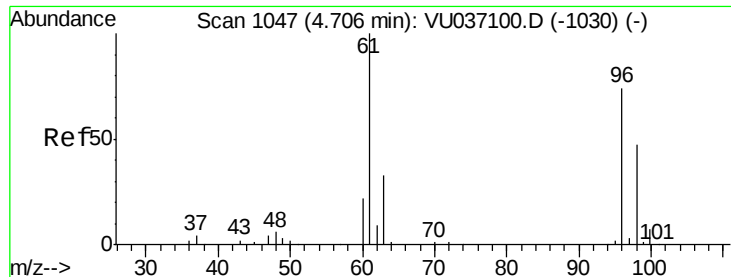
Ion Ratio Lower Upper

96 100

61 866.0 127.5 236.7#

63 6800.4 101.4 188.2#

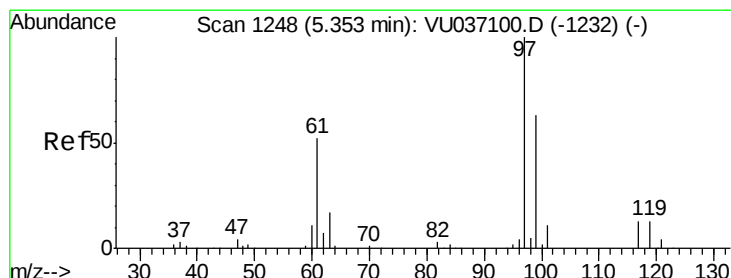
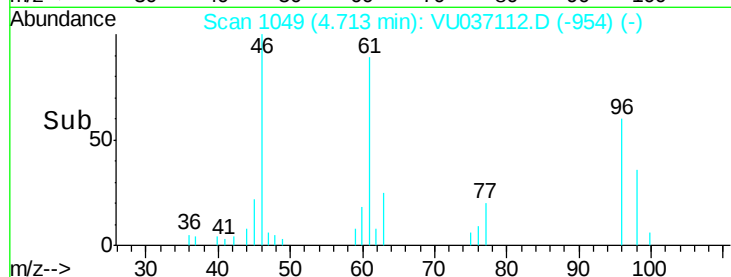
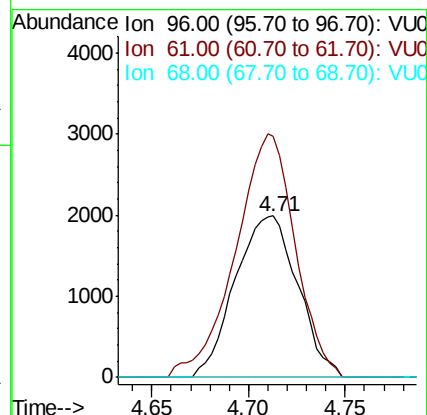
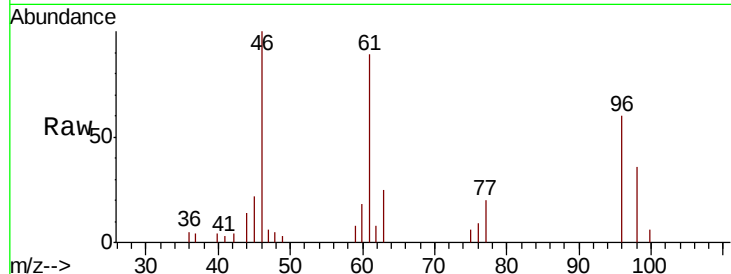




#20
 cis-1,2-Dichloroethene
 Concen: 2.134 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: VU037112.D
 Acq: 06 Mar 2020 16:16

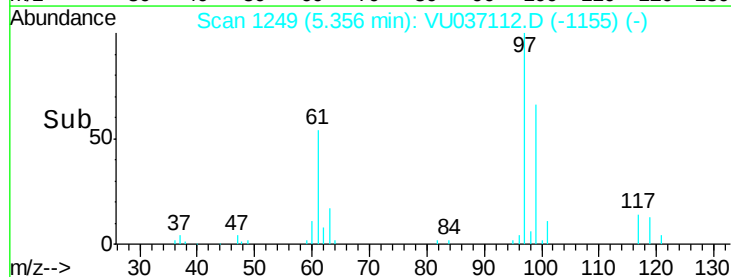
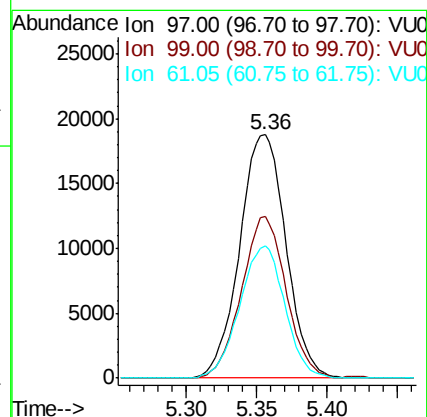
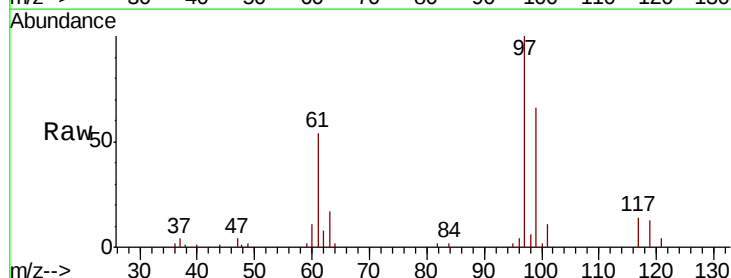
Instrument :
 MSVOA_U
 ClientSampleId :

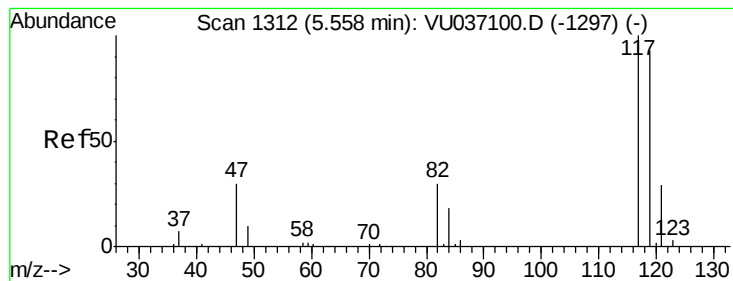
Tot Ion: 96 Resp: 4493
 Ion Ratio Lower Upper
 96 100
 61 149.4 93.1 172.9
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 15.431 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037112.D
 Acq: 06 Mar 2020 16:16

Tgt Ion: 97 Resp: 43060
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.4 75.6
 61 52.9 40.3 60.5





#31

Carbon tetrachloride

Concen: 2.635 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.21 min

Lab File: VU037112.D

Acq: 06 Mar 2020 16:16

Instrument :

MSVOA_U

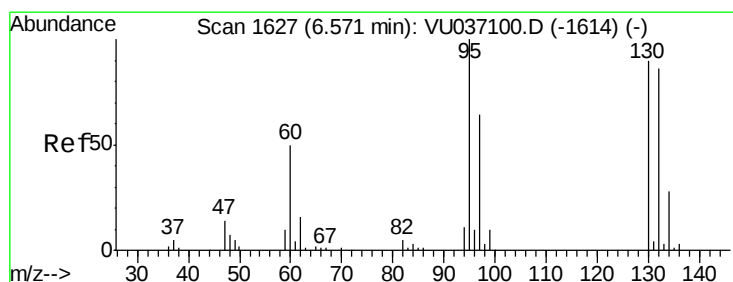
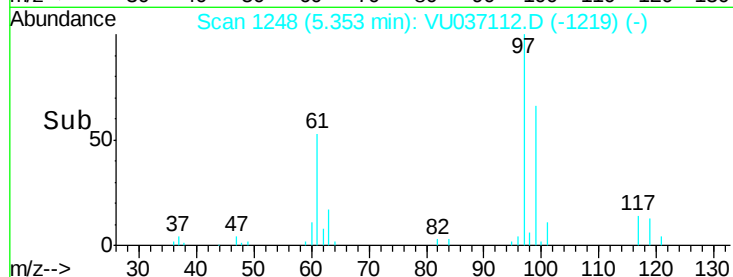
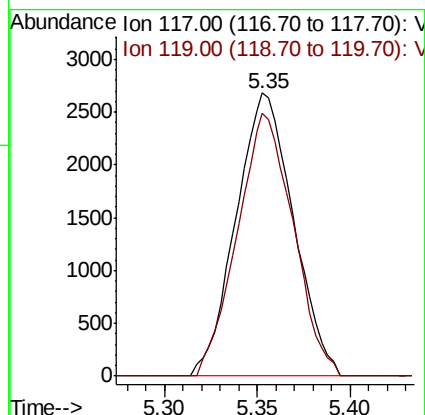
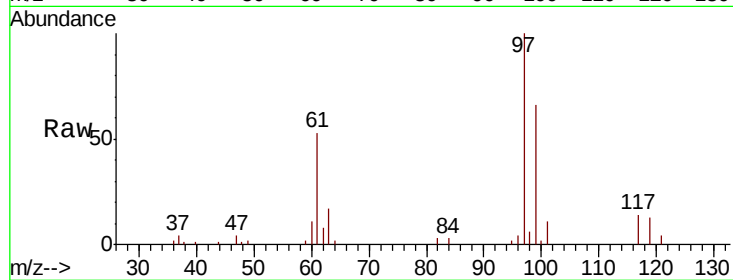
ClientSampleId :

Tot Ion:117 Resp: 5764

Ion Ratio Lower Upper

117 100

119 90.3 77.2 115.8



#34

Trichloroethene

Concen: 42.893 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037112.D

Acq: 06 Mar 2020 16:16

Tgt Ion: 95 Resp: 86684

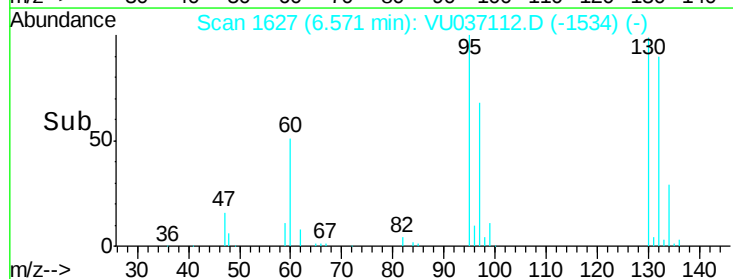
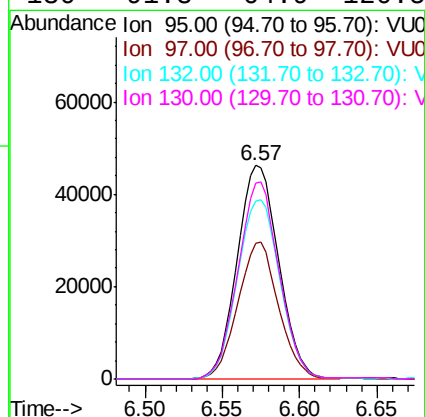
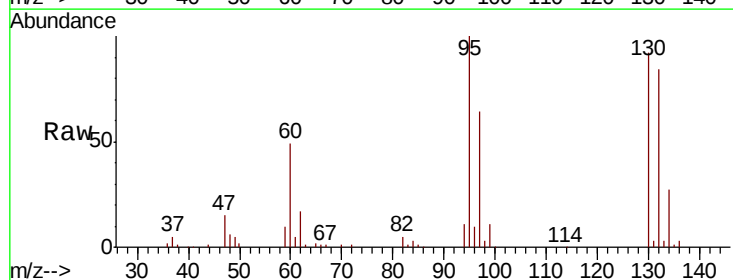
Ion Ratio Lower Upper

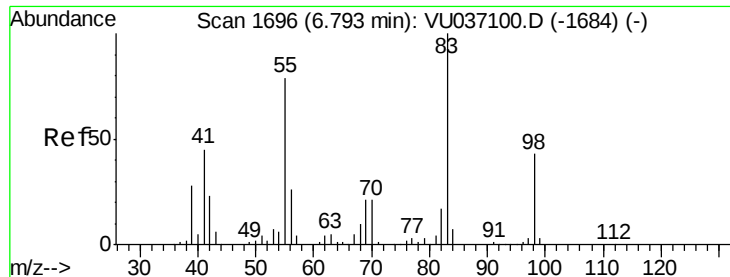
95 100

97 63.6 44.1 81.9

132 83.5 60.6 112.6

130 91.8 64.9 120.5

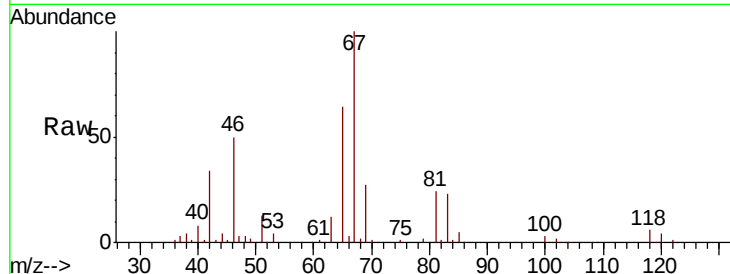




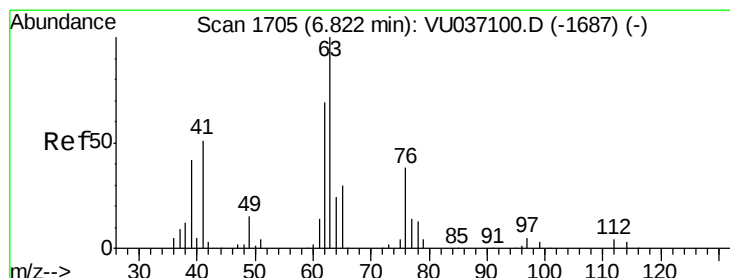
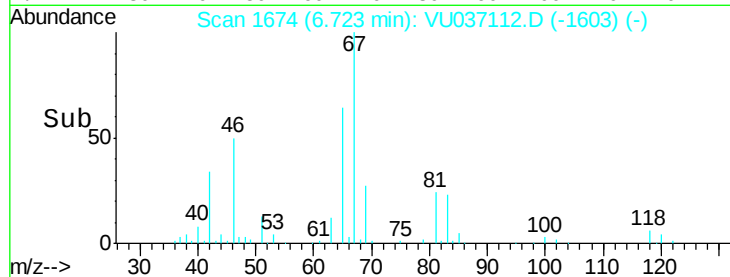
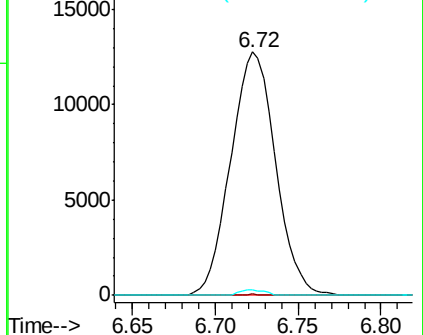
#35
Methvlcvclohexane
Concen: 6.865 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037112.D
Acq: 06 Mar 2020 16:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 24056
Ion Ratio Lower Upper
83 100
55 0.0 62.6 93.8#
98 1.2 35.1 52.7#

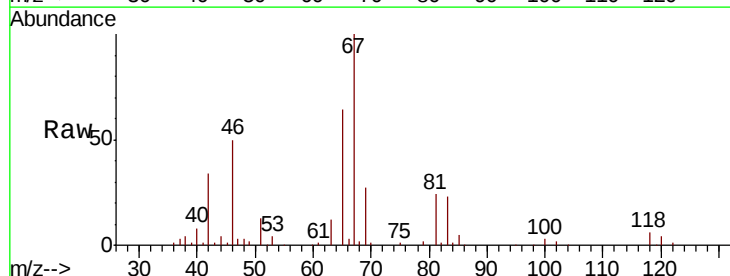


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

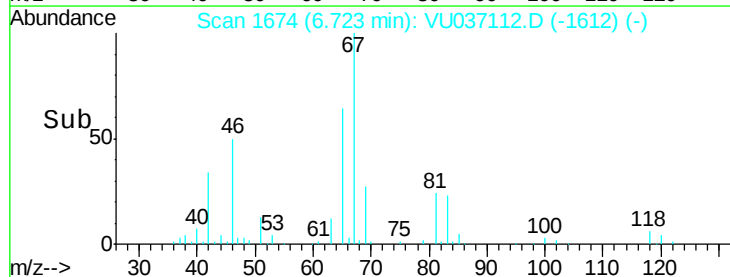
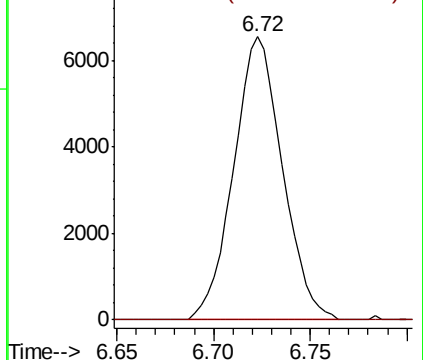


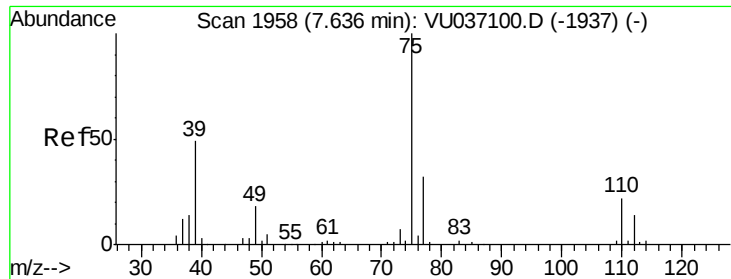
#37
1,2-Dichloropropane
Concen: 5.201 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037112.D
Acq: 06 Mar 2020 16:16

Tgt Ion: 63 Resp: 11514
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

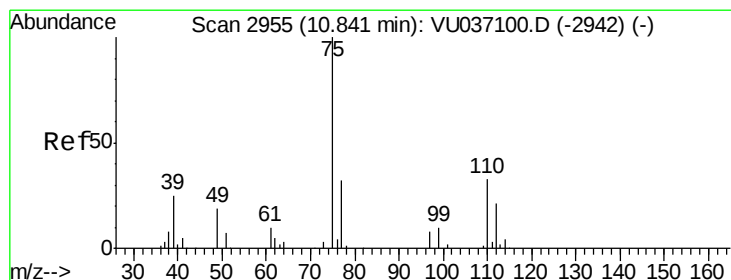
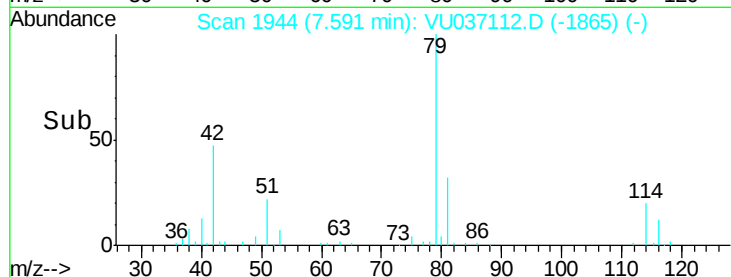
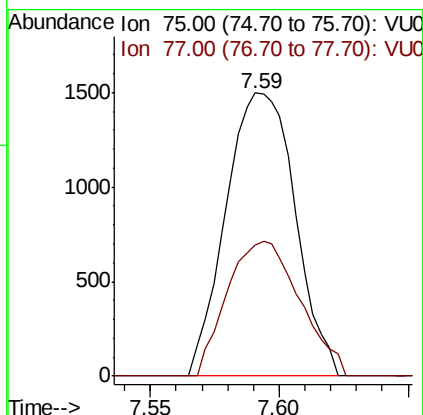
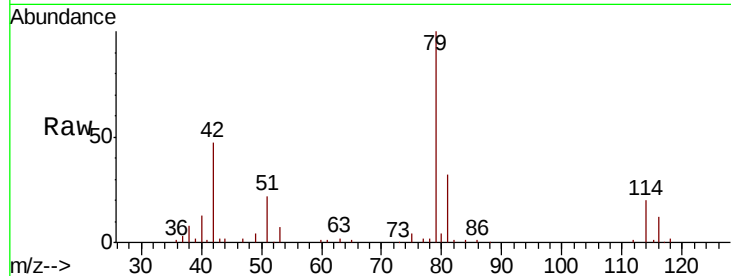




#39
 cis-1,3-Dichloropropene
 Concen: 0.822 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037112.D
 Acq: 06 Mar 2020 16:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 2802
 Ion Ratio Lower Upper
 75 100
 77 46.1 22.0 41.0#



#59
 1,2,3-Trichloropropane
 Concen: 4.897 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037112.D
 Acq: 06 Mar 2020 16:16

Tgt Ion: 75 Resp: 13947
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.2 39.2

