

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030220\
 Data File : VU037013.D
 Acq On : 02 Mar 2020 20:38
 Operator : JC/MD
 Sample : L1729-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 03 03:26:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 03 03:21:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	260350	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	245800	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	93758	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77728	35.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.10%
7) Chloroethane-d5	1.93	69	78245	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.50%
11) 1,1-Dichloroethene-d2	2.59	63	111339	30.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.82%
21) 2-Butanone-d5	4.67	46	161543	110.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.15%
24) Chloroform-d	5.10	84	162023	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.74	65	113118	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.12%
32) Benzene-d6	5.76	84	346314	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.72	67	116178	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.90%
41) Toluene-d8	7.93	98	309359	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%
43) trans-1,3-Dichloropropene-	8.20	79	48666	45.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.94%
47) 2-Hexanone-d5	8.66	63	118221	104.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.99%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	168154	51.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.58%
64) 1,2-Dichlorobenzene-d4	12.21	152	97003	52.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.86%

Target Compounds

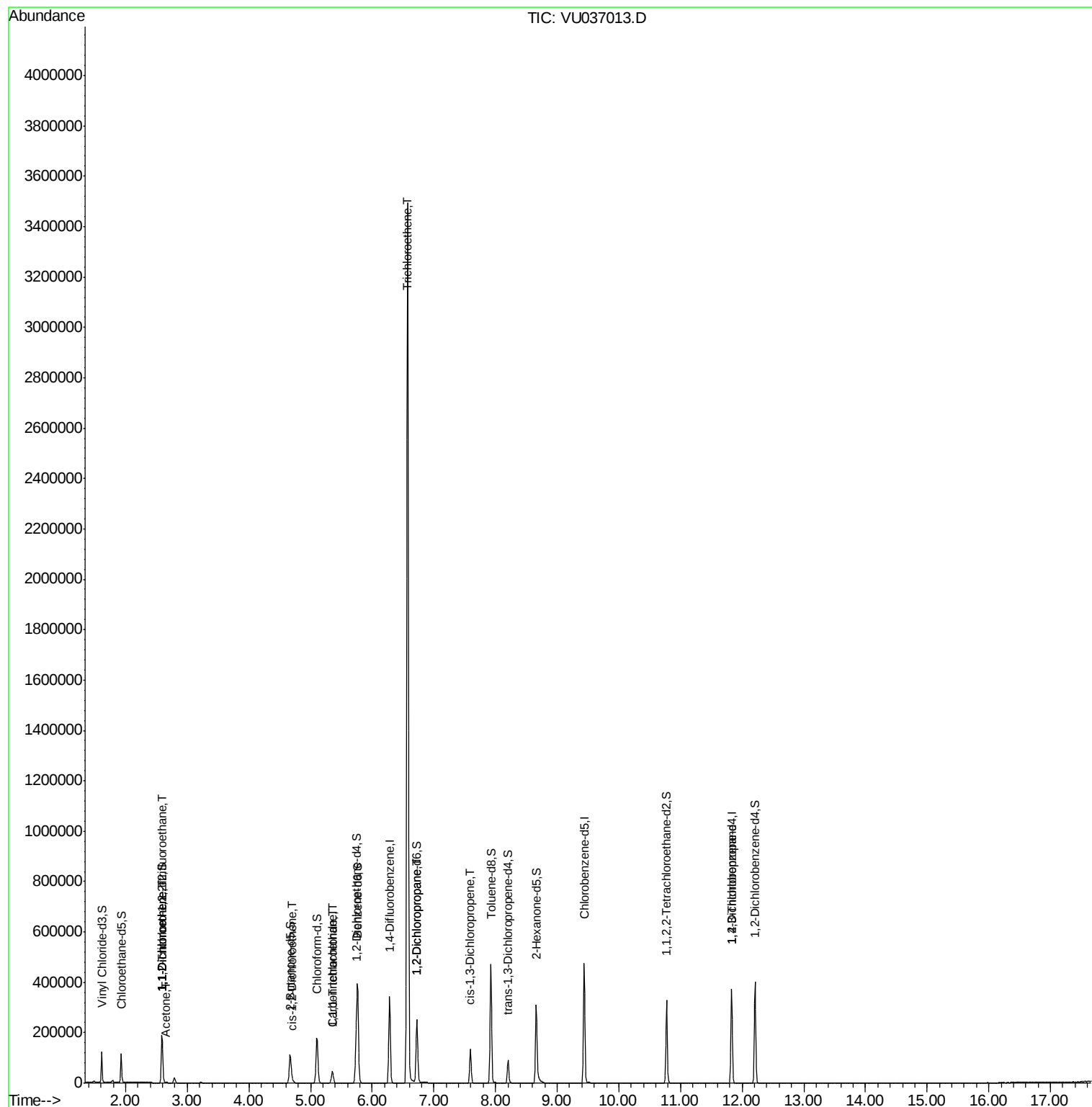
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5239	3.151	ug/L #	85
12) 1,1-Dichloroethene	2.60	96	2316	1.377	ug/L #	1
13) Acetone	2.66	43	4872	3.230	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	2265	1.121	ug/L	90
30) 1,1,1-Trichloroethane	5.36	97	32630	12.382	ug/L	98
31) Carbon tetrachloride	5.35	117	4235	2.050	ug/L	97
34) Trichloroethene	6.57	95	1183236	619.963	ug/L	99
37) 1,2-Dichloropropane	6.73	63	12529	5.992	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3364	1.044	ug/L #	62
59) 1,2,3-Trichloropropane	11.83	75	13923	5.176	ug/L	95

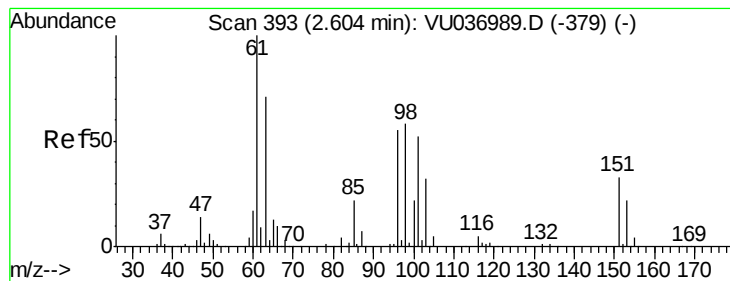
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 03 03:21:45 2020
Response via : Initial Calibration





#10

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

Concen: 3.151 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037013.D

Acq: 02 Mar 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

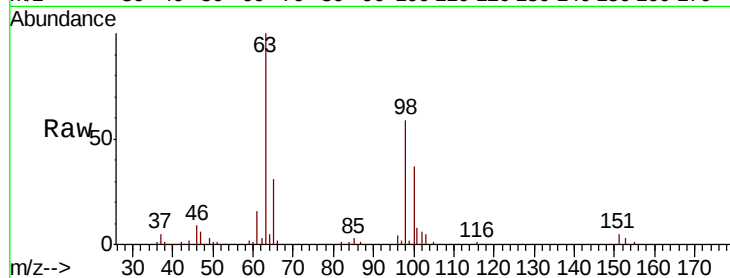
Tot Ion:101 Resp: 5239

Ion Ratio Lower Upper

101 100

85 35.6 36.4 54.6#

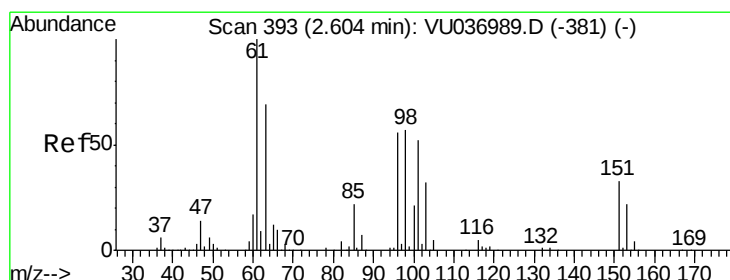
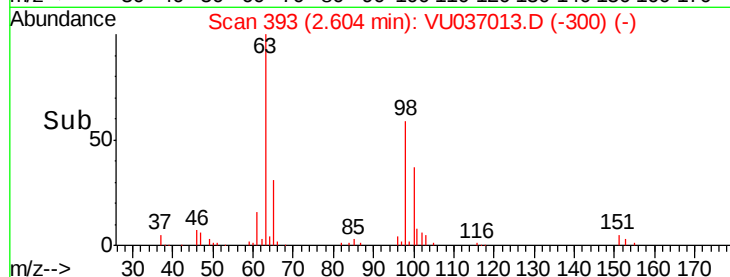
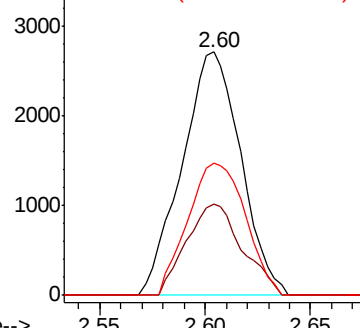
151 53.3 52.4 78.6



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: 1.377 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037013.D

Acq: 02 Mar 2020 20:38

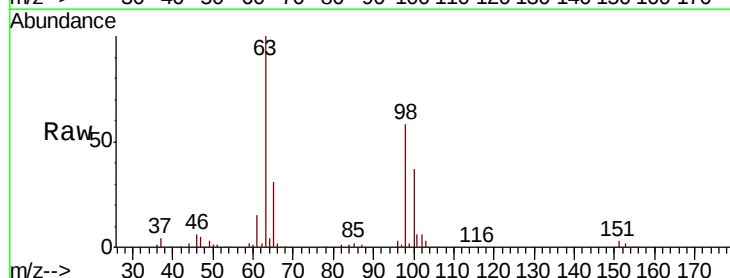
Tgt Ion: 96 Resp: 2316

Ion Ratio Lower Upper

96 100

61 506.7 127.5 236.7#

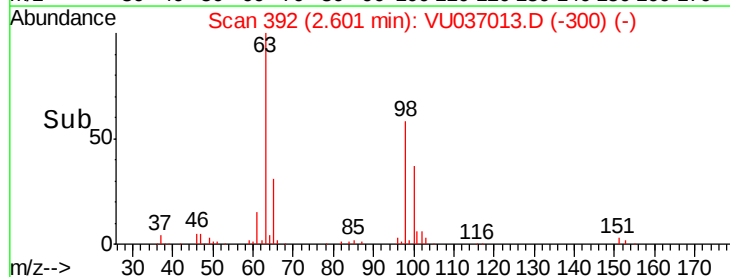
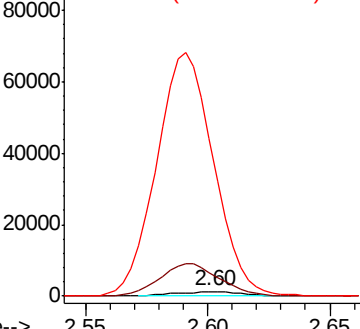
63 3386.3 101.4 188.2#

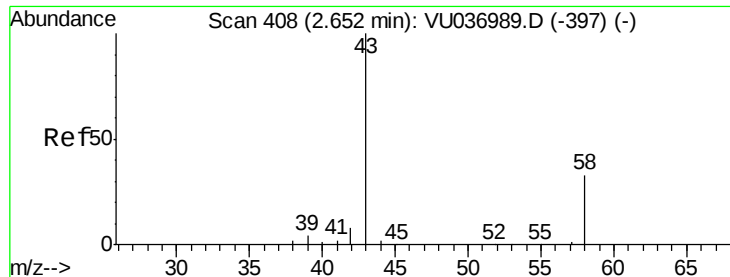


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.230 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037013.D

Acq: 02 Mar 2020 20:38

Instrument :

MSVOA_U

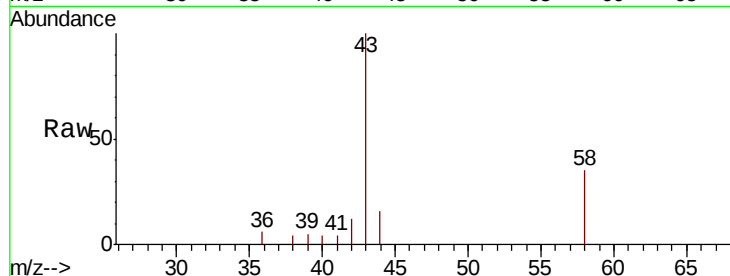
ClientSampleId :

Tot Ion: 43 Resp: 4872

Ion Ratio Lower Upper

43 100

58 33.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036989.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036989.D (-397) (-)

2.66

3000

2500

2000

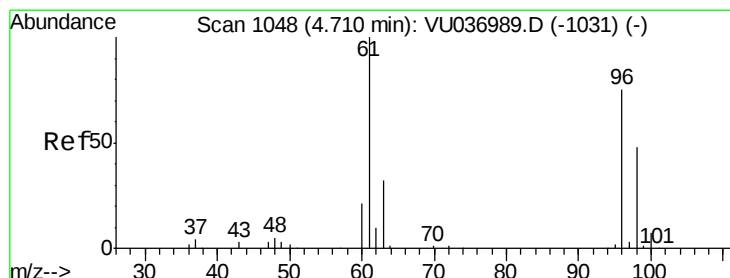
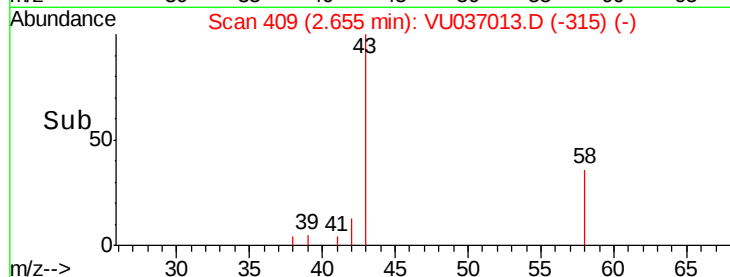
1500

1000

500

0

Time-->



#20

cis-1,2-Dichloroethene

Concen: 1.121 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037013.D

Acq: 02 Mar 2020 20:38

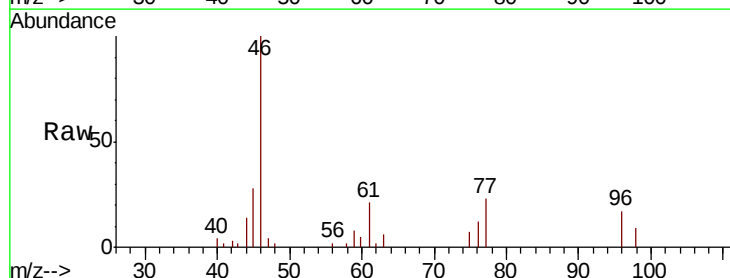
Tgt Ion: 96 Resp: 2265

Ion Ratio Lower Upper

96 100

61 120.9 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036989.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU036989.D (-1031) (-)

Ion 68.00 (67.70 to 68.70): VU036989.D (-1031) (-)

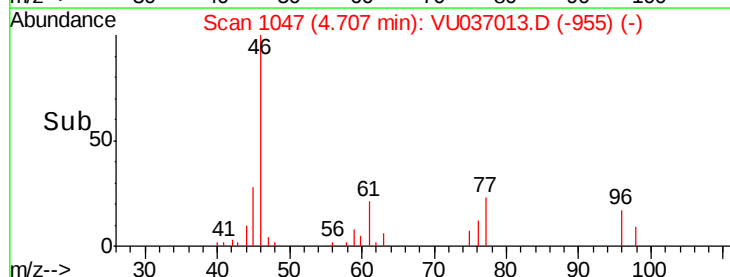
1500

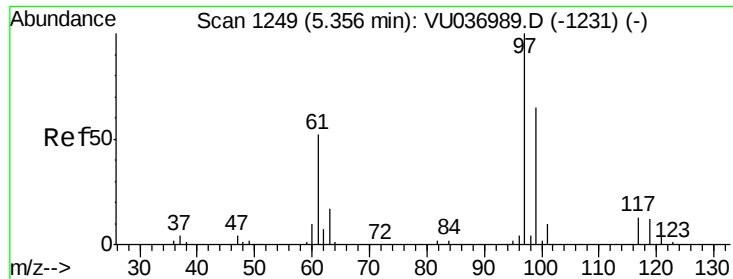
1000

500

0

Time-->



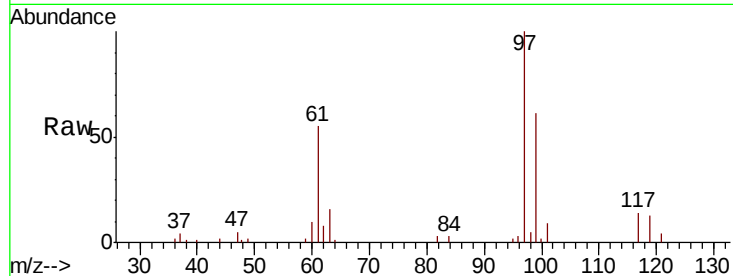


#30
 1,1,1-Trichloroethane
 Concen: 12.382 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037013.D
 Acq: 02 Mar 2020 20:38

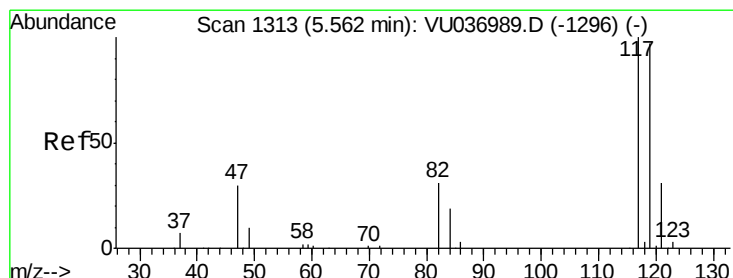
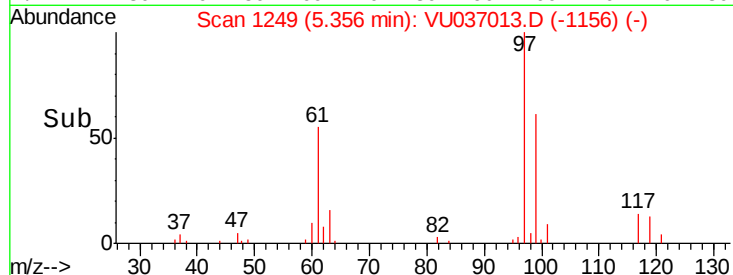
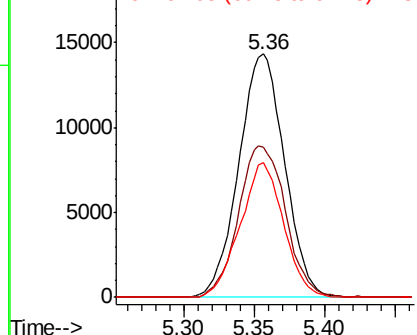
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 32630

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.4	75.6
61	52.4	40.3	60.5



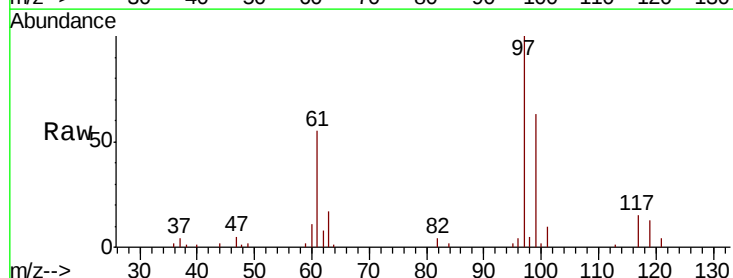
Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0



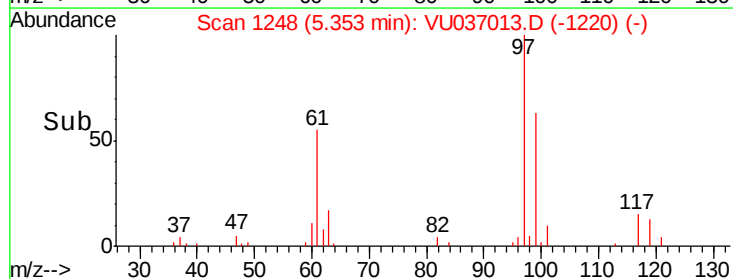
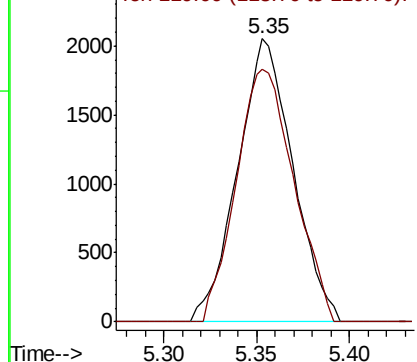
#31
 Carbon tetrachloride
 Concen: 2.050 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU037013.D
 Acq: 02 Mar 2020 20:38

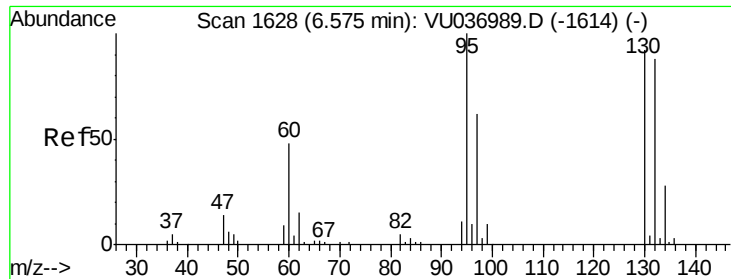
Tgt Ion: 117 Resp: 4235

Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.2	115.8



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

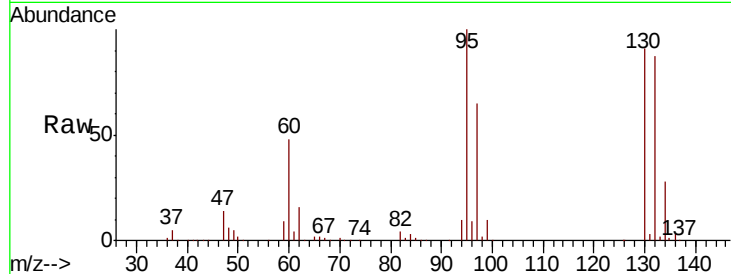




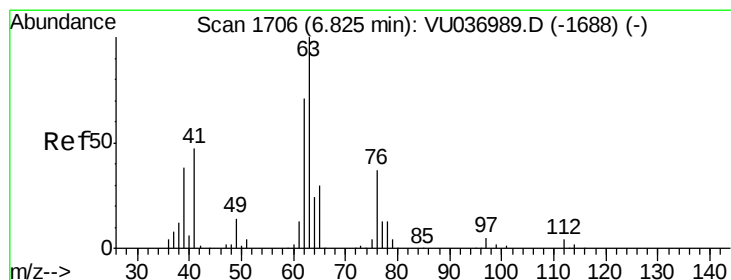
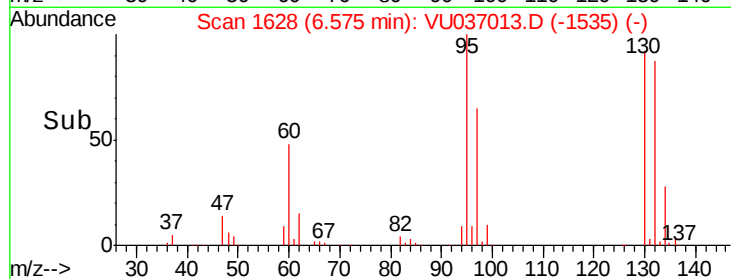
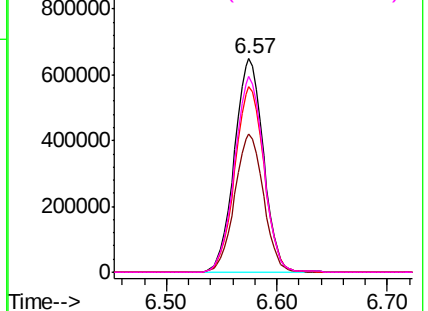
#34
 Trichloroethene
 Concen: 619.963 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037013.D
 Acq: 02 Mar 2020 20:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 1183236
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.1 81.9
 132 86.9 60.6 112.6
 130 91.5 64.9 120.5

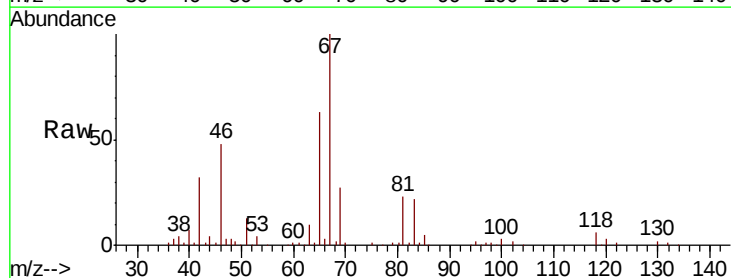


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

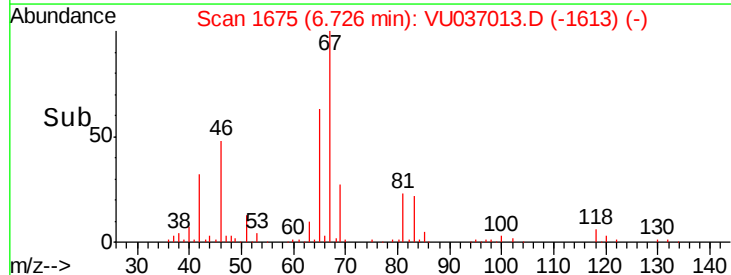
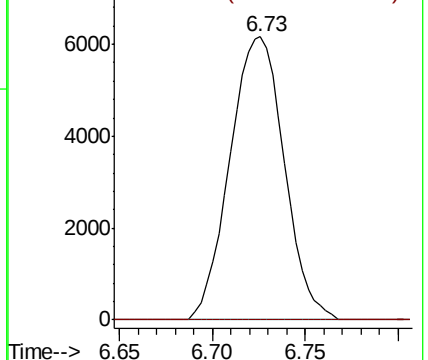


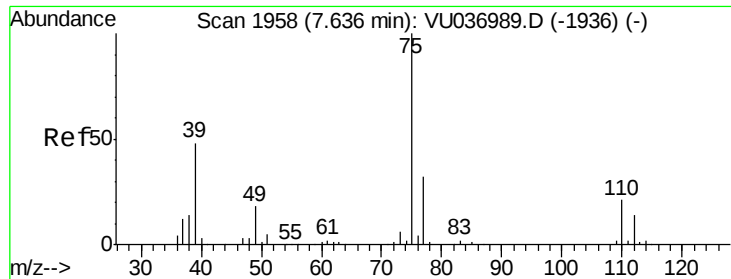
#37
 1,2-Dichloropropane
 Concen: 5.992 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU037013.D
 Acq: 02 Mar 2020 20:38

Tgt Ion: 63 Resp: 12529
 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



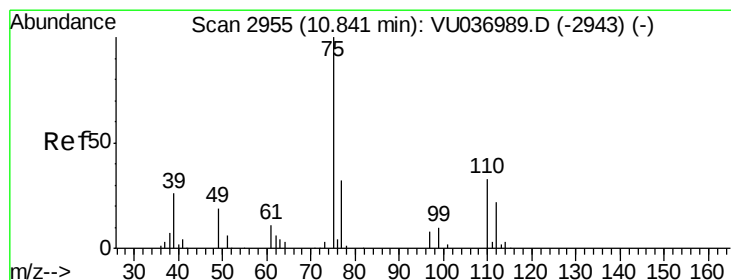
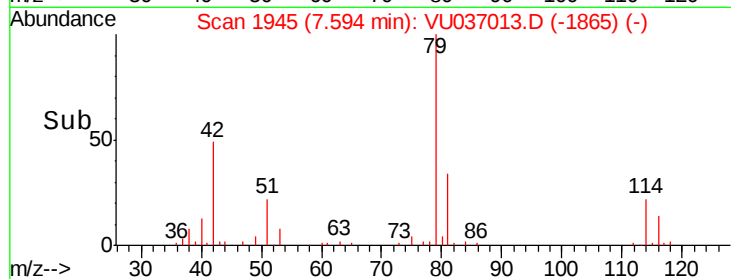
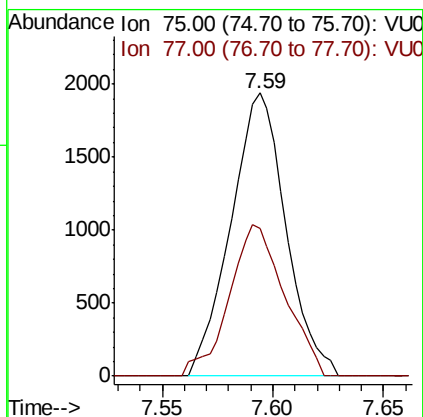
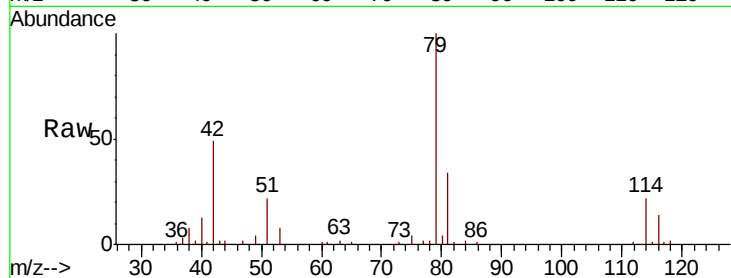


#39

cis-1,3-Dichloropropene
 Concen: 1.044 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037013.D
 Acq: 02 Mar 2020 20:38

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 3364
 Ion Ratio Lower Upper
 75 100
 77 52.4 22.0 41.0#



#59

1,2,3-Trichloropropane
 Concen: 5.176 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037013.D
 Acq: 02 Mar 2020 20:38

Tgt Ion: 75 Resp: 13923
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.2 39.2

