

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030220\
 Data File : VU037014.D
 Acq On : 02 Mar 2020 21:01
 Operator : JC/MD
 Sample : L1729-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 03 03:26:10 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	262569	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252517	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	93724	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77957	35.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.70%
7) Chloroethane-d5	1.93	69	78222	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.74%
11) 1,1-Dichloroethene-d2	2.59	63	111127	30.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.20%
21) 2-Butanone-d5	4.67	46	159689	107.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.97%
24) Chloroform-d	5.11	84	161824	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	5.74	65	112830	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
32) Benzene-d6	5.76	84	343663	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.12%
36) 1,2-Dichloropropane-d6	6.72	67	116107	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.16%
41) Toluene-d8	7.92	98	312785	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	8.20	79	49751	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.50%
47) 2-Hexanone-d5	8.66	63	116729	100.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.91%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	164283	49.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.50%
64) 1,2-Dichlorobenzene-d4	12.21	152	95817	52.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

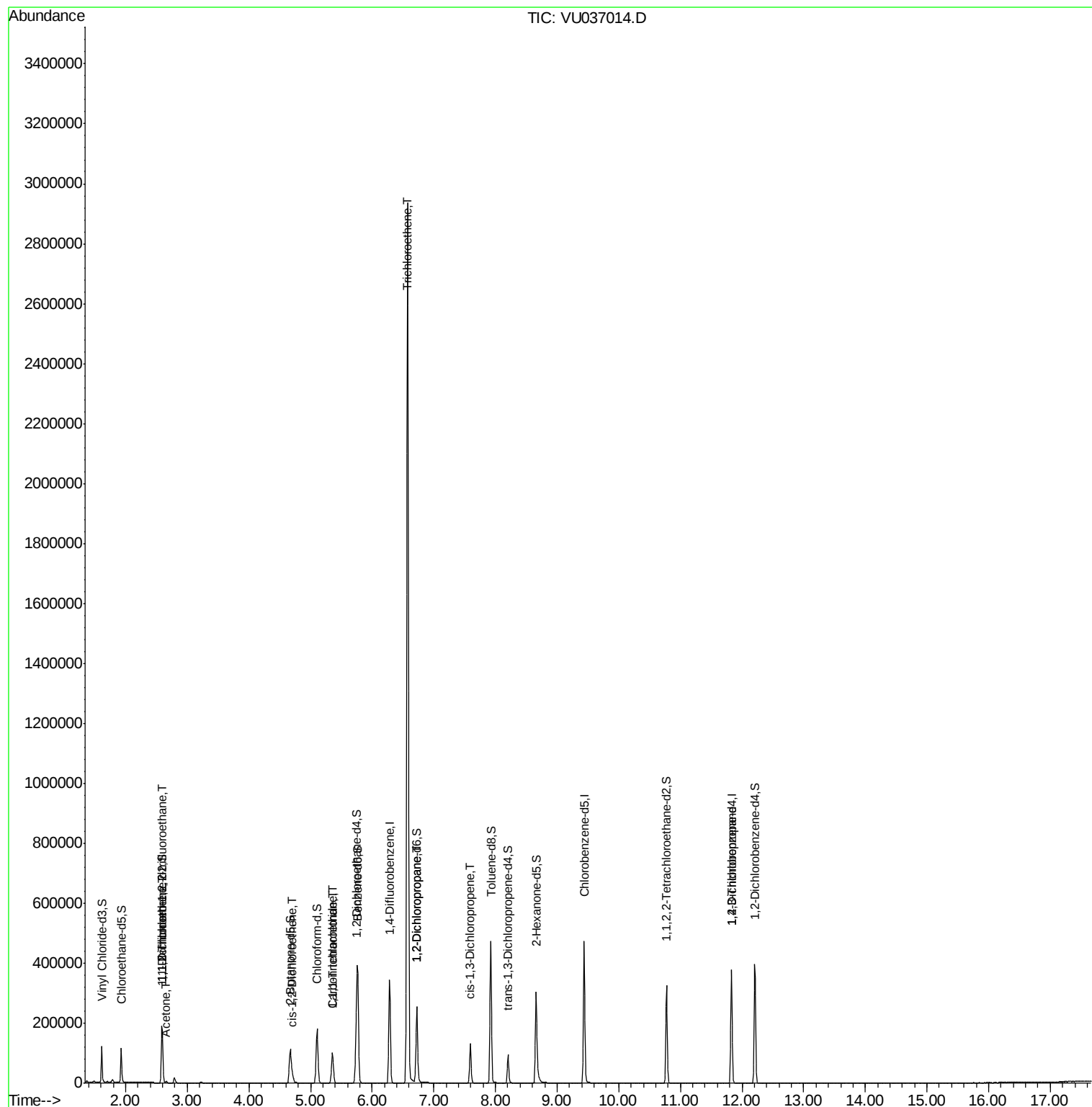
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4503	2.686	ug/L #	77
12) 1,1-Dichloroethene	2.61	96	3099	1.827	ug/L #	1
13) Acetone	2.66	43	4570	3.004	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	8918	4.378	ug/L	94
30) 1,1,1-Trichloroethane	5.36	97	69348	25.614	ug/L	98
31) Carbon tetrachloride	5.35	117	9385	4.423	ug/L	99
34) Trichloroethene	6.57	95	1009444	514.835	ug/L	99
37) 1,2-Dichloropropane	6.72	63	12888	6.000	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3258	0.985	ug/L #	61
59) 1,2,3-Trichloropropane	11.83	75	13796	4.993	ug/L	95

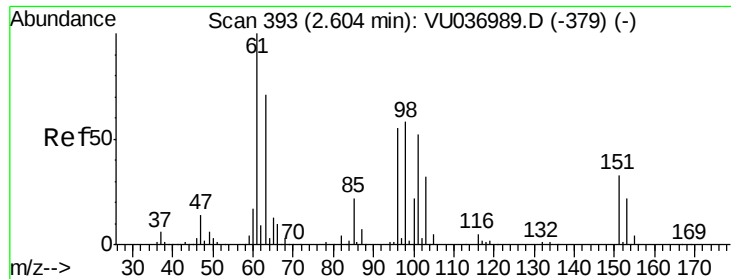
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 2.686 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037014.D

Acq: 02 Mar 2020 21:01

Instrument :

MSVOA_U

ClientSampleId :

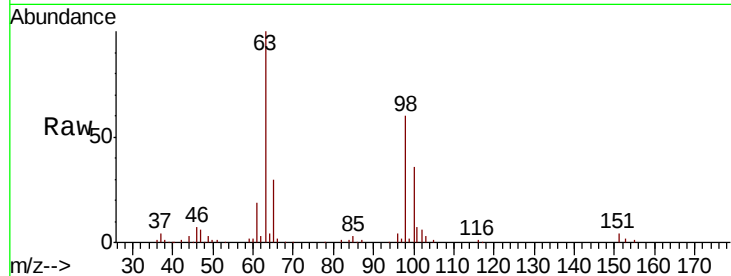
Tot Ion:101 Resp: 4503

Ion Ratio Lower Upper

101 100

85 24.1 36.4 54.6#

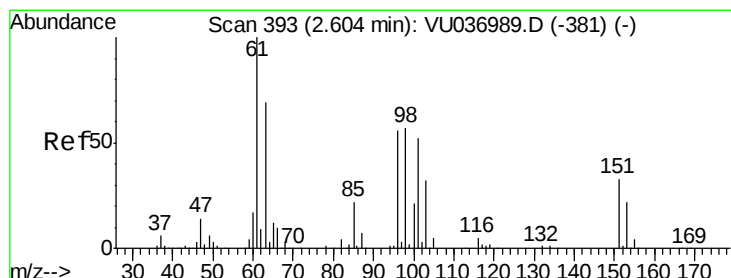
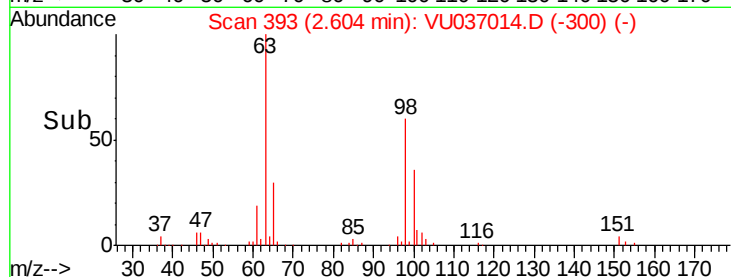
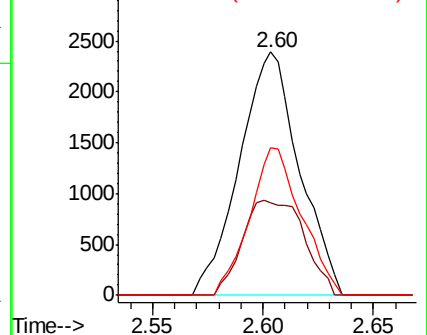
151 52.4 52.4 78.6



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: 1.827 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037014.D

Acq: 02 Mar 2020 21:01

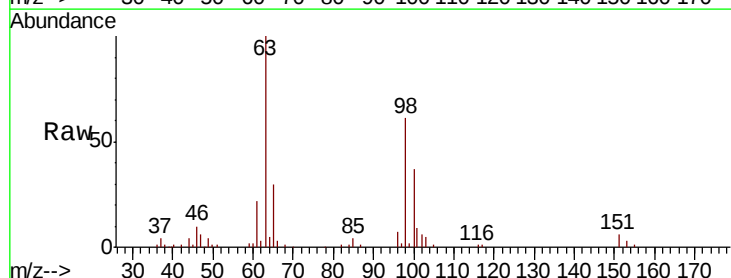
Tgt Ion: 96 Resp: 3099

Ion Ratio Lower Upper

96 100

61 318.4 127.5 236.7#

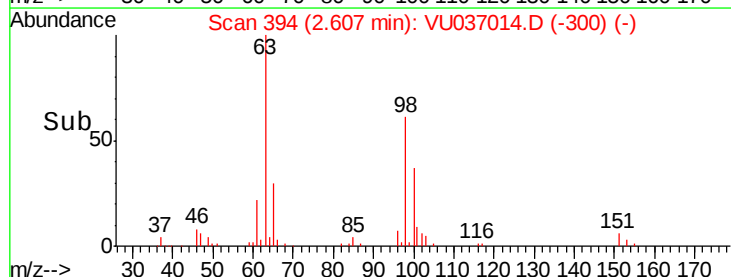
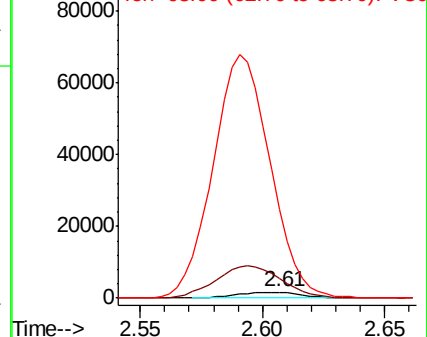
63 1476.9 101.4 188.2#

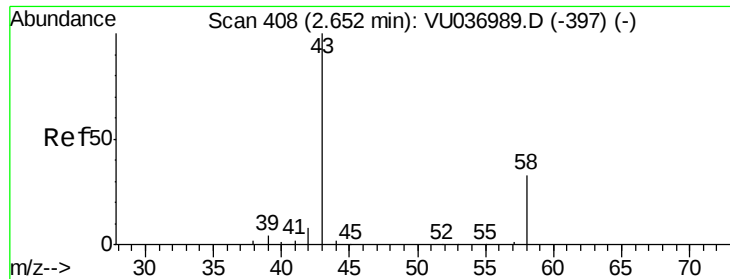


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.004 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037014.D

Acq: 02 Mar 2020 21:01

Instrument :

MSVOA_U

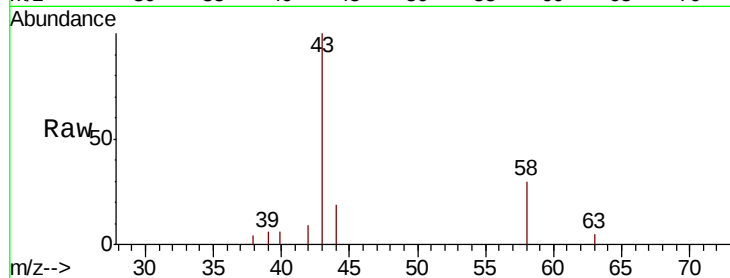
ClientSampled :

Tot Ion: 43 Resp: 4570

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037014.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU037014.D (-315) (-)

2.66

2500

2000

1500

1000

500

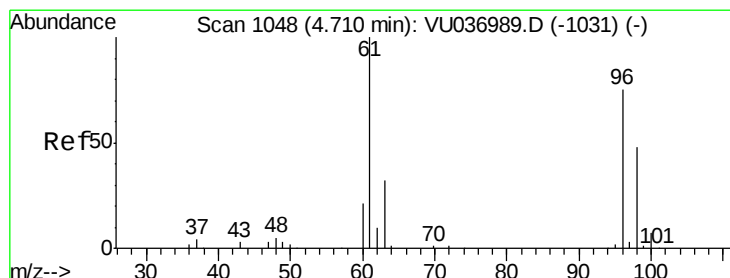
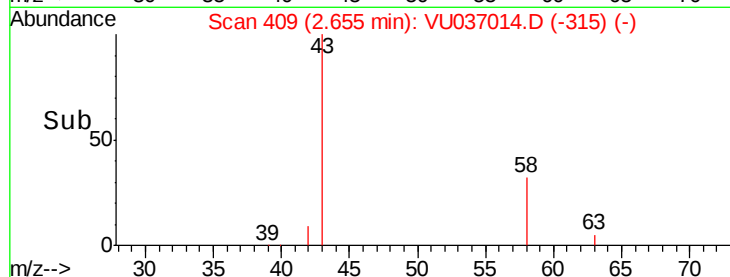
0

Time-->

2.60

2.65

2.70



#20

cis-1,2-Dichloroethene

Concen: 4.378 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU037014.D

Acq: 02 Mar 2020 21:01

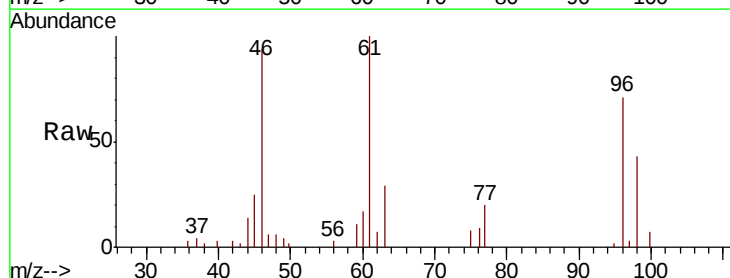
Tgt Ion: 96 Resp: 8918

Ion Ratio Lower Upper

96 100

61 140.5 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037014.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU037014.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU037014.D (-955) (-)

4.71

8000

6000

4000

2000

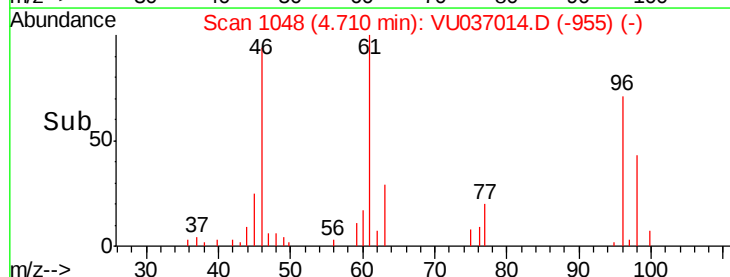
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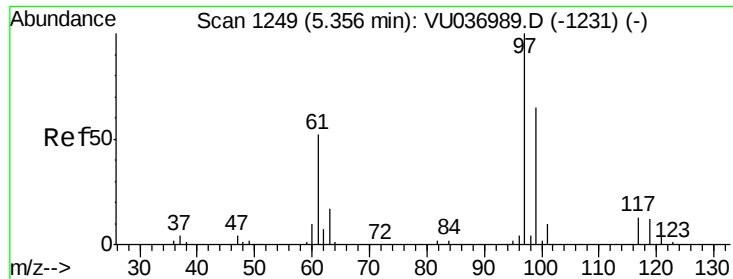
Time-->

4.65

4.70

4.75

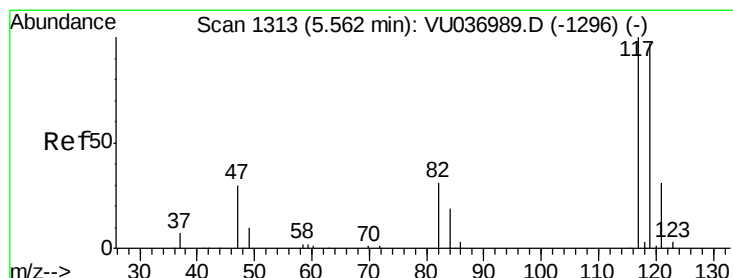
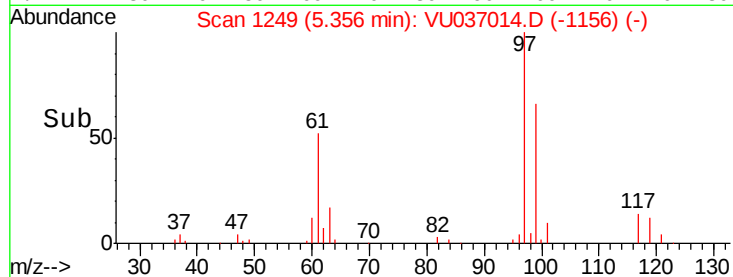
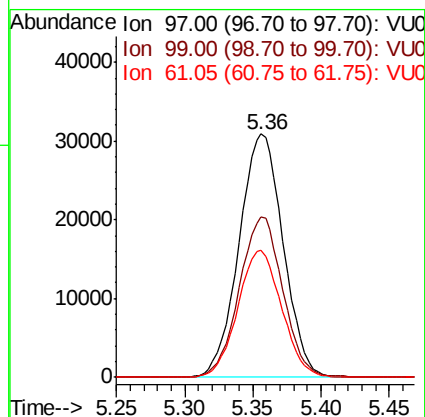
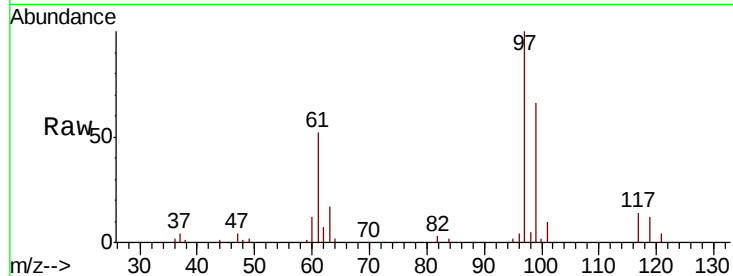




#30
 1,1,1-Trichloroethane
 Concen: 25.614 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU037014.D
 Acq: 02 Mar 2020 21:01

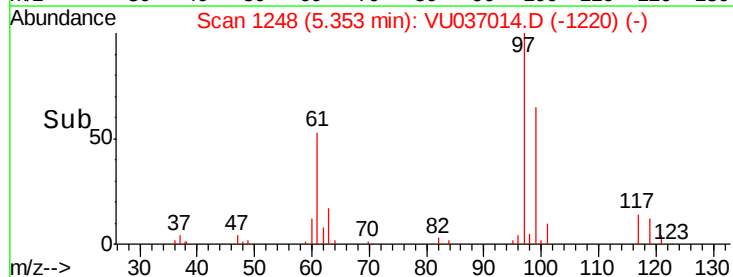
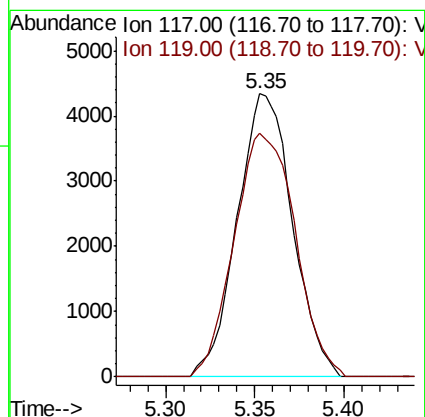
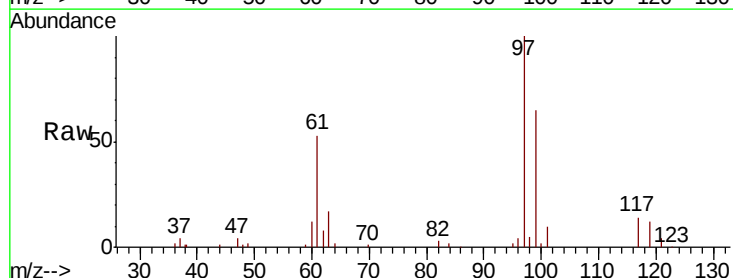
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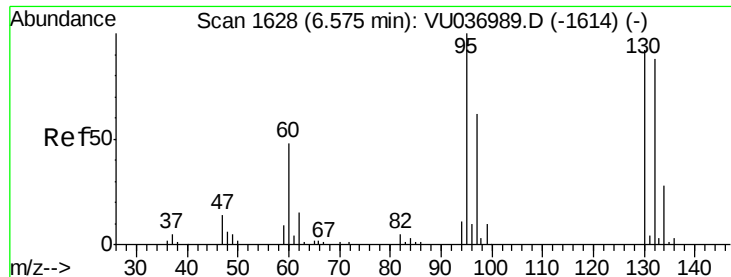
Tot Ion: 97 Resp: 69348
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.4 75.6
 61 51.9 40.3 60.5



#31
 Carbon tetrachloride
 Concen: 4.423 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU037014.D
 Acq: 02 Mar 2020 21:01

Tgt Ion: 117 Resp: 9385
 Ion Ratio Lower Upper
 117 100
 119 95.1 77.2 115.8

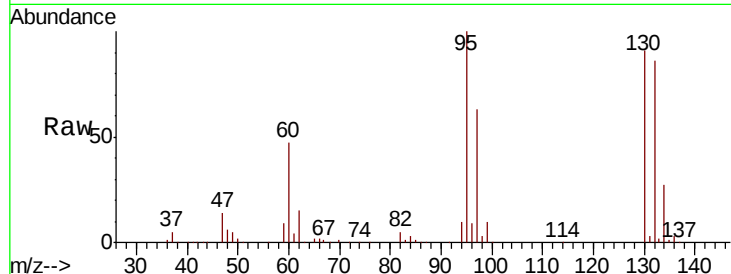




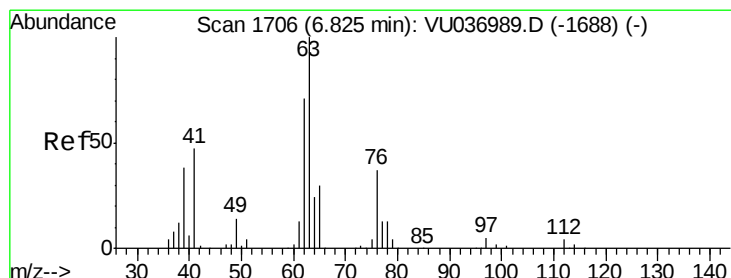
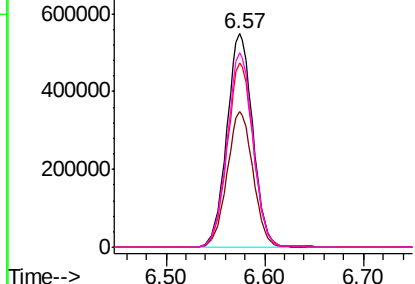
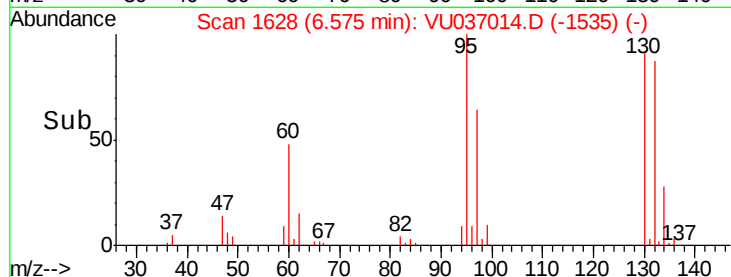
#34
 Trichloroethene
 Concen: 514.835 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037014.D
 Acq: 02 Mar 2020 21:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 1009444
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.1 81.9
 132 86.2 60.6 112.6
 130 90.9 64.9 120.5

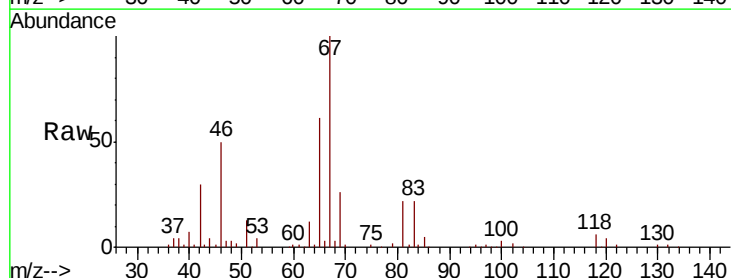


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

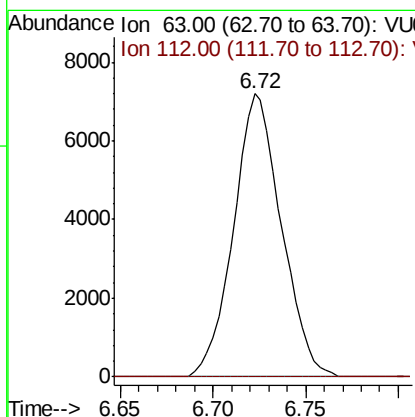
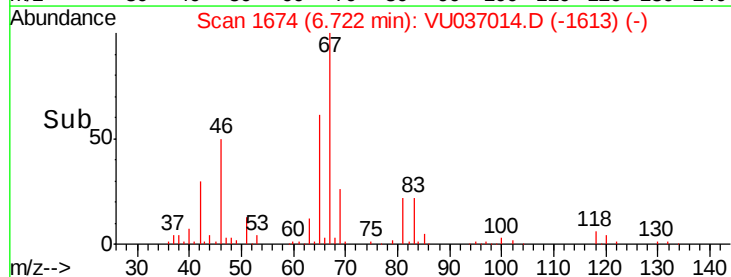


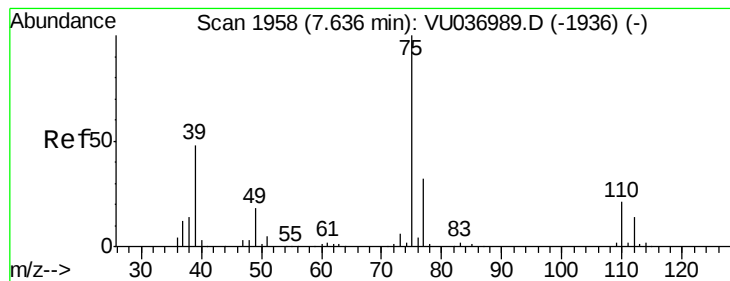
#37
 1,2-Dichloropropane
 Concen: 6.000 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037014.D
 Acq: 02 Mar 2020 21:01

Tgt Ion: 63 Resp: 12888
 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



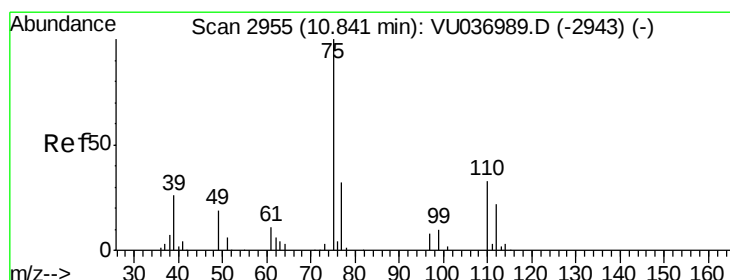
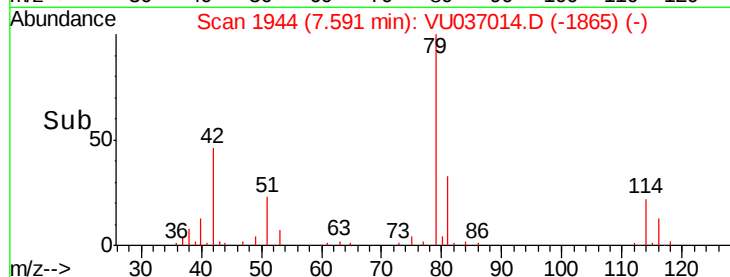
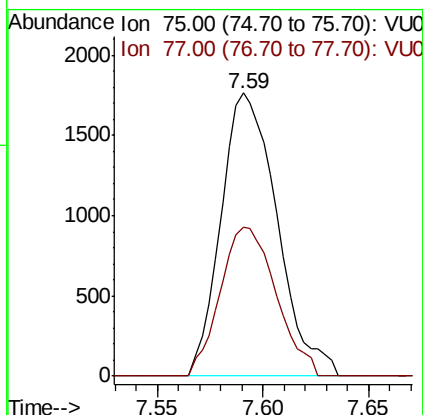
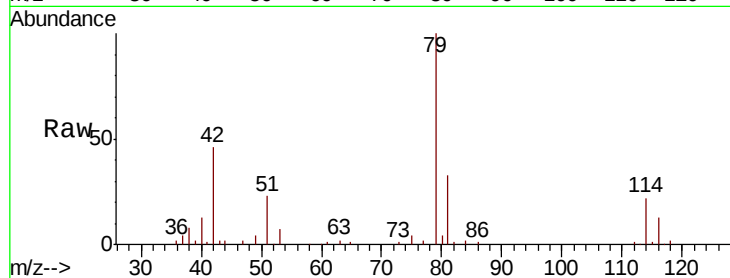


#39

cis-1,3-Dichloropropene
 Concen: 0.985 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037014.D
 Acq: 02 Mar 2020 21:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 3258
 Ion Ratio Lower Upper
 75 100
 77 52.9 22.0 41.0#



#59

1,2,3-Trichloropropane
 Concen: 4.993 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037014.D
 Acq: 02 Mar 2020 21:01

Tgt Ion: 75 Resp: 13796
 Ion Ratio Lower Upper
 75 100
 77 35.4 26.2 39.2

