

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030220\
 Data File : VU037015.D
 Acq On : 02 Mar 2020 21:24
 Operator : JC/MD
 Sample : L1729-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 03 03:26:17 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	258067	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	246734	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	91918	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	75405	34.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.58%
7) Chloroethane-d5	1.93	69	76951	42.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.82%
11) 1,1-Dichloroethene-d2	2.59	63	109187	30.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.18%
21) 2-Butanone-d5	4.67	46	159709	109.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.86%
24) Chloroform-d	5.11	84	159585	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	5.74	65	111953	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
32) Benzene-d6	5.76	84	339412	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
36) 1,2-Dichloropropane-d6	6.72	67	111992	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.90%
41) Toluene-d8	7.92	98	302781	45.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.48%
43) trans-1,3-Dichloropropene-	8.20	79	48757	45.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.78%
47) 2-Hexanone-d5	8.66	63	113806	100.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.69%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	164108	50.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.70%
64) 1,2-Dichlorobenzene-d4	12.21	152	95014	52.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.76%

Target Compounds

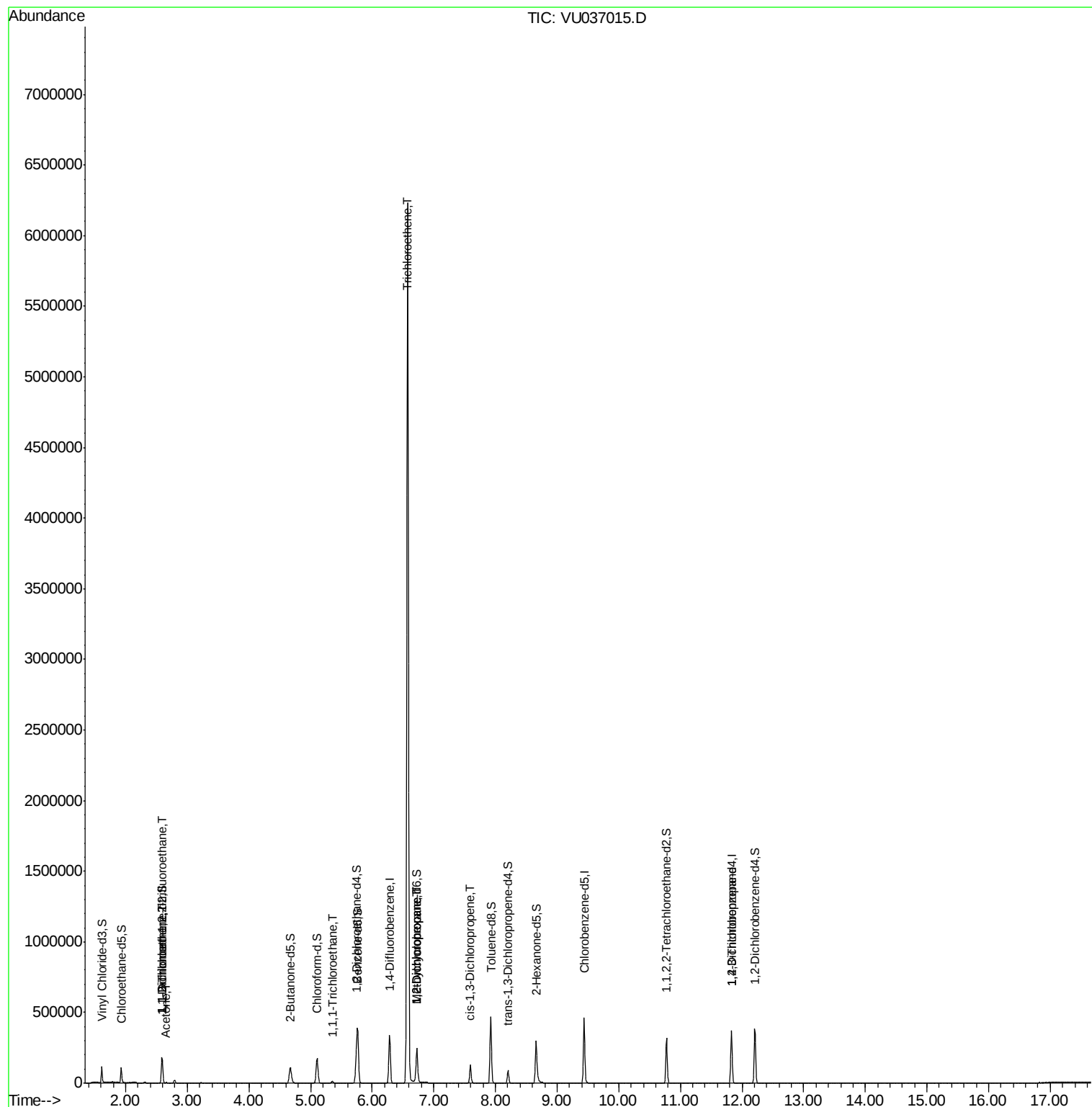
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1172	0.711 ug/L #	26
12) 1,1-Dichloroethene	2.61	96	1863	1.118 ug/L #	1
13) Acetone	2.66	43	4157	2.780 ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	7319	2.767 ug/L	98
34) Trichloroethene	6.57	95	2130812	1112.225 ug/L	99
35) Methylcyclohexane	6.73	83	25069	7.547 ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12477	5.945 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2946	0.911 ug/L #	65
59) 1,2,3-Trichloropropane	11.83	75	14014	5.191 ug/L	92

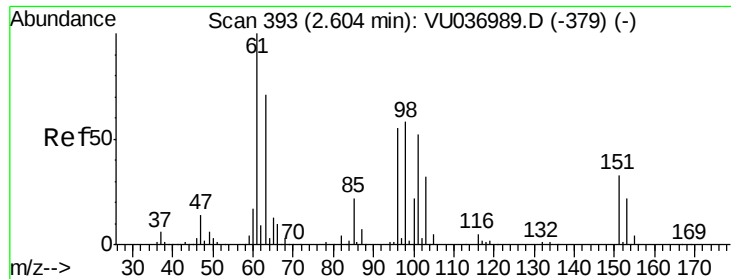
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Mar 03 03:21:45 2020
Response via : Initial Calibration





#10

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

Concen: 0.711 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037015.D

Acq: 02 Mar 2020 21:24

Instrument :

MSVOA_U

ClientSampleId :

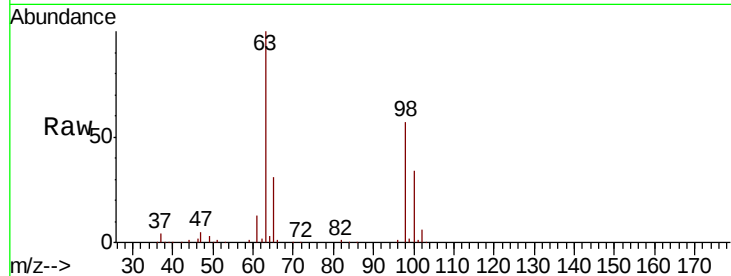
Tot Ion:101 Resp: 1172

Ion Ratio Lower Upper

101 100

85 5.5 36.4 54.6#

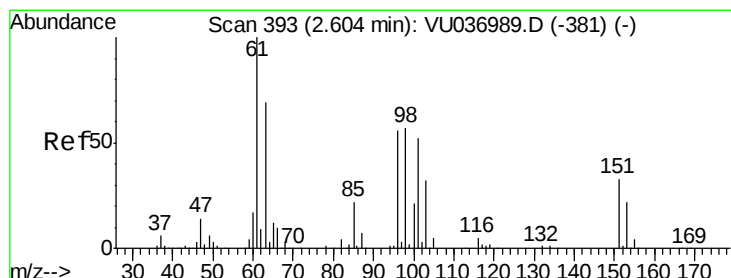
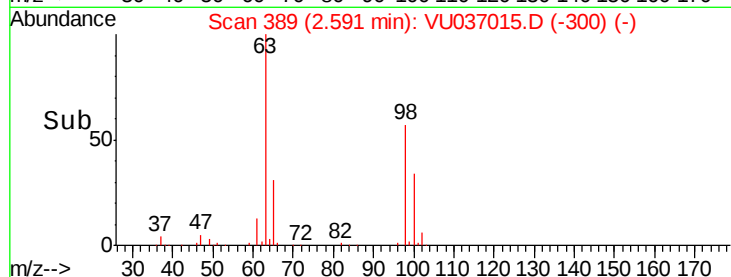
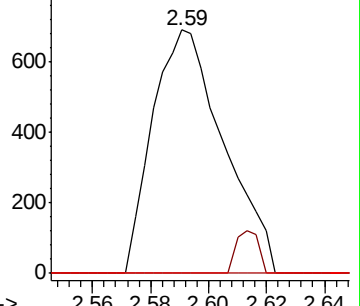
151 0.0 52.4 78.6#



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: 1.118 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037015.D

Acq: 02 Mar 2020 21:24

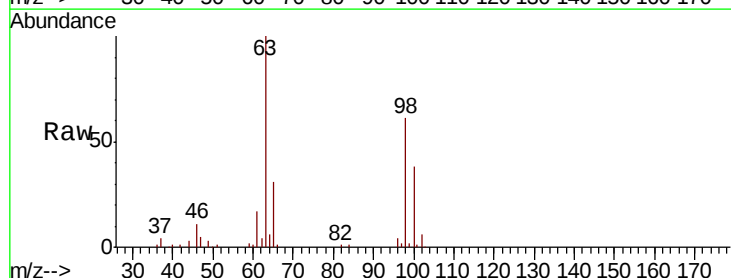
Tgt Ion: 96 Resp: 1863

Ion Ratio Lower Upper

96 100

61 426.3 127.5 236.7#

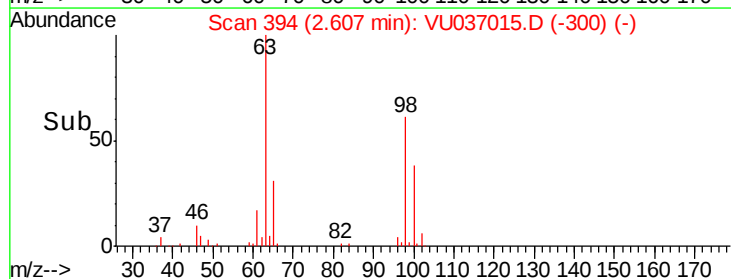
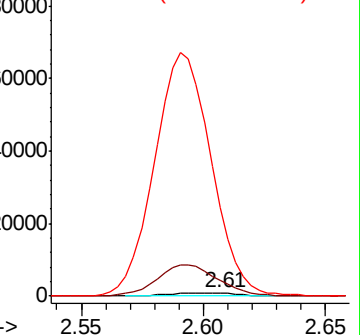
63 2497.0 101.4 188.2#

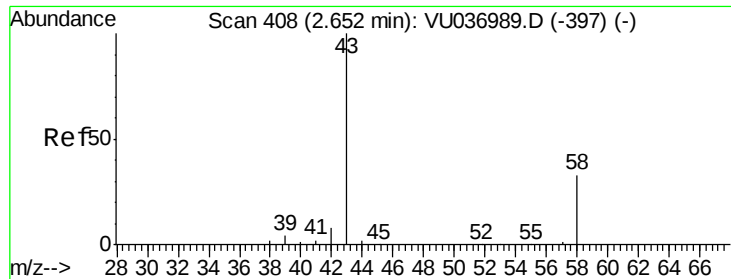


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.780 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037015.D

Acq: 02 Mar 2020 21:24

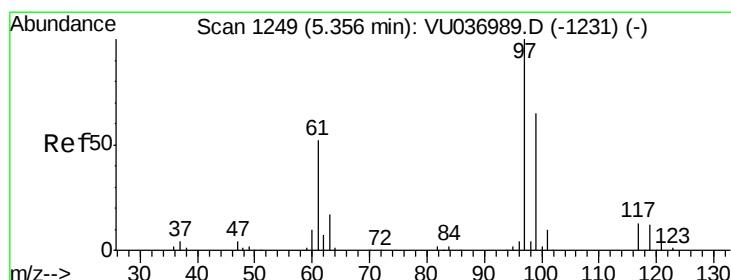
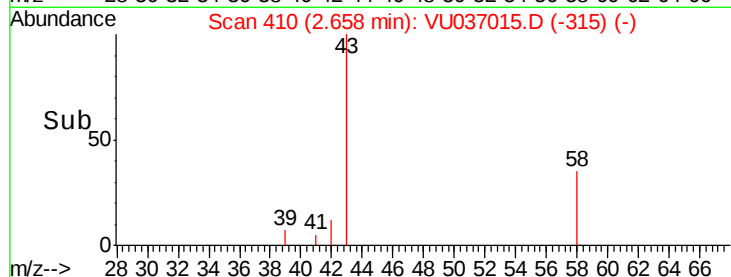
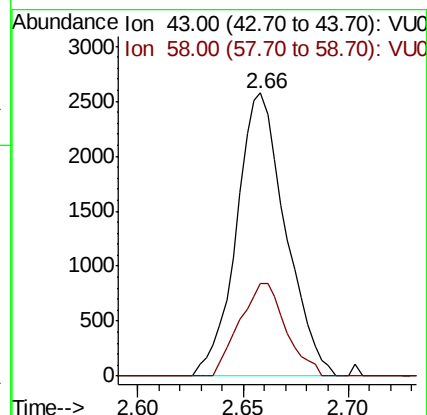
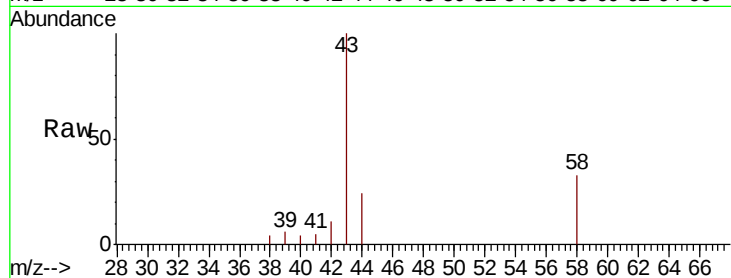
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 4157

Ion Ratio Lower Upper

43 100

58 31.1 0.0 64.6



#30

1,1,1-Trichloroethane

Concen: 2.767 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU037015.D

Acq: 02 Mar 2020 21:24

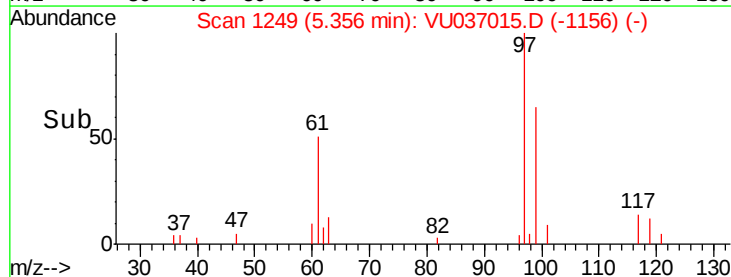
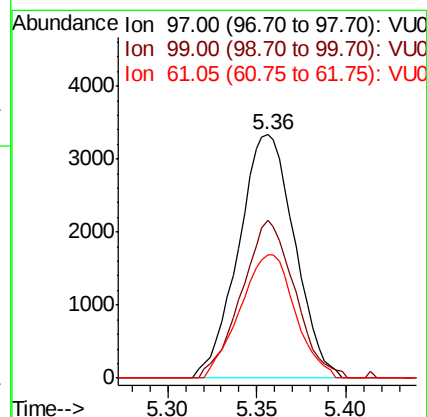
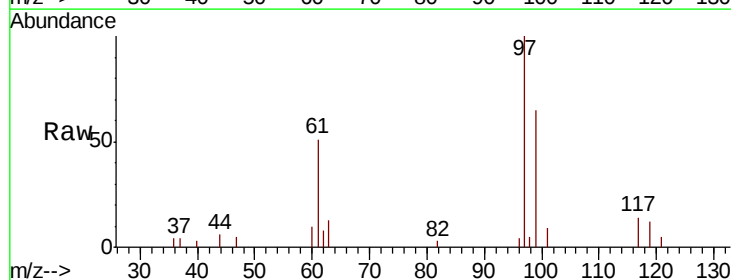
Tgt Ion: 97 Resp: 7319

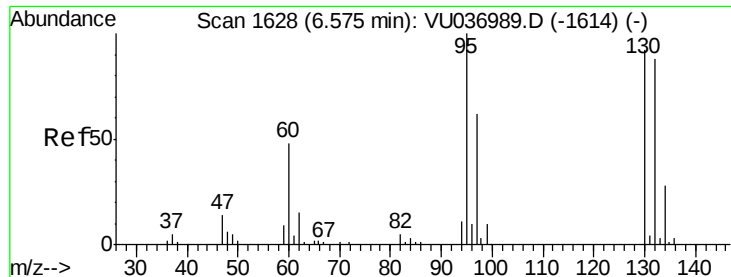
Ion Ratio Lower Upper

97 100

99 61.5 50.4 75.6

61 49.7 40.3 60.5



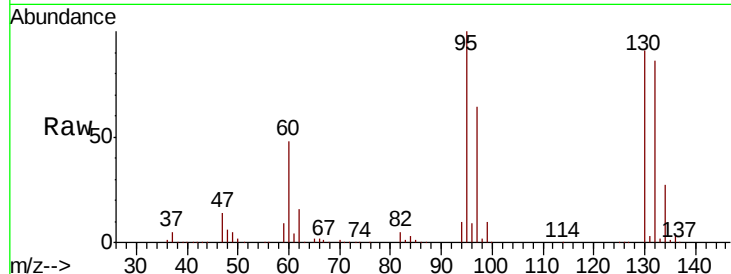


#34
 Trichloroethene
 Concen: 1112.225 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037015.D
 Acq: 02 Mar 2020 21:24

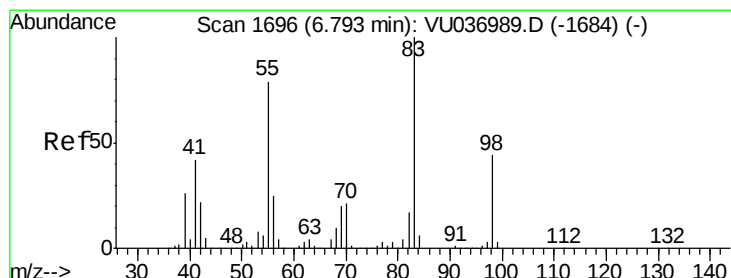
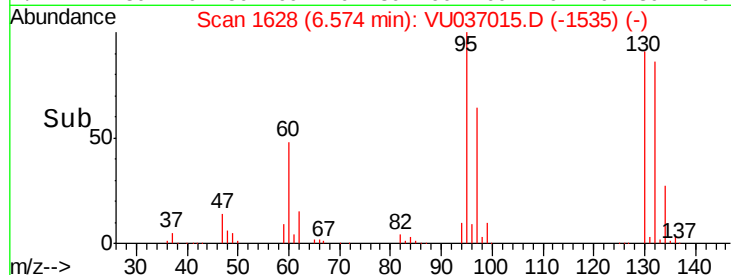
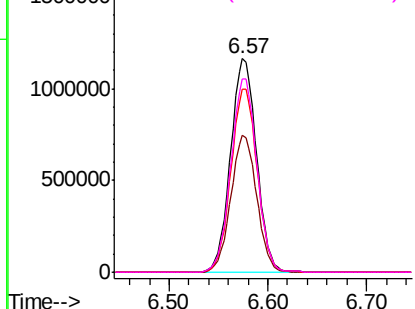
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 2130812

Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.1	81.9
132	85.8	60.6	112.6
130	90.8	64.9	120.5



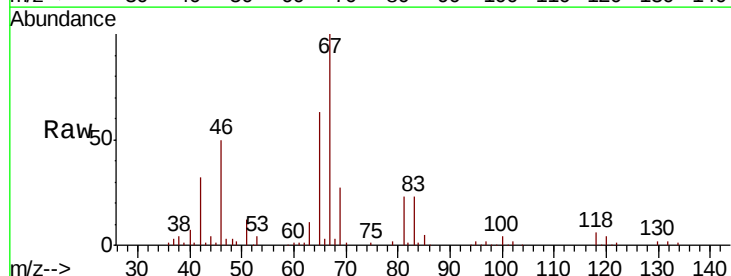
Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



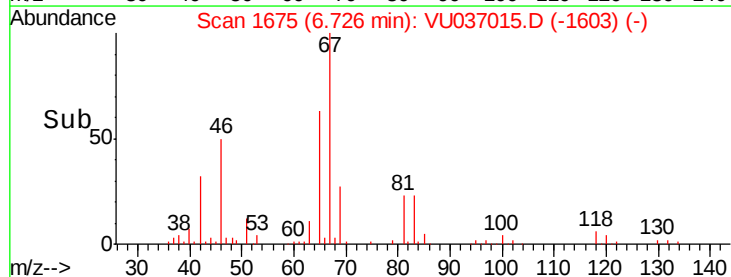
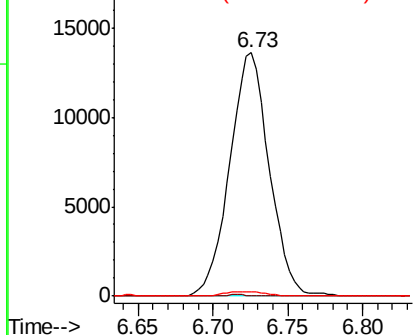
#35
 Methylcyclohexane
 Concen: 7.547 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.07 min
 Lab File: VU037015.D
 Acq: 02 Mar 2020 21:24

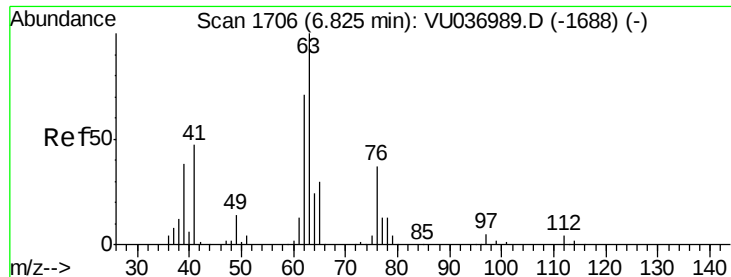
Tgt Ion: 83 Resp: 25069

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	93.8#
98	1.0	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

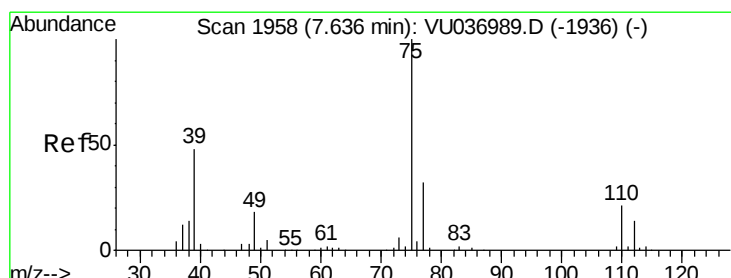
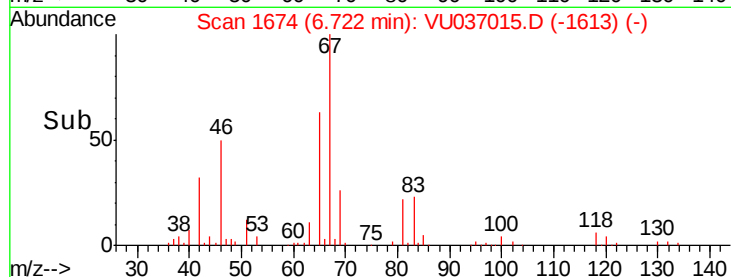
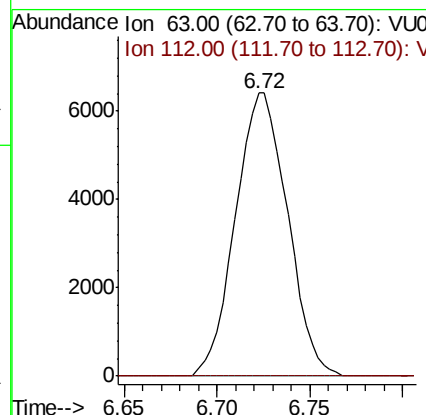
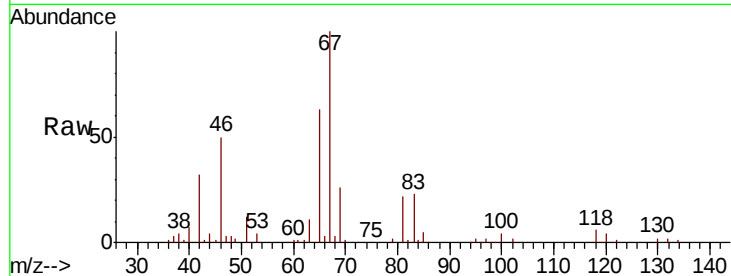




#37
 1,2-Dichloropropane
 Concen: 5.945 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037015.D
 Acq: 02 Mar 2020 21:24

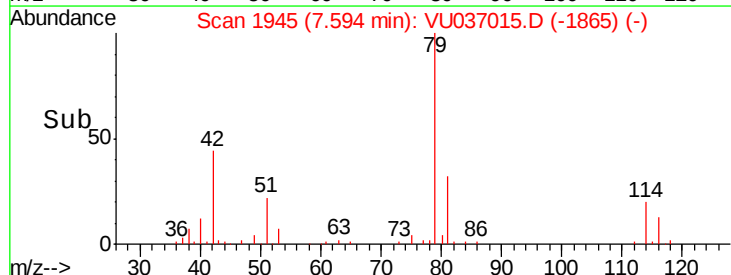
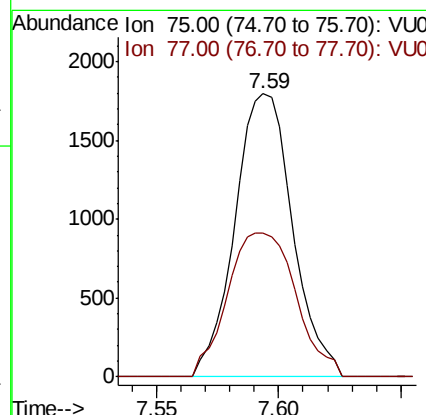
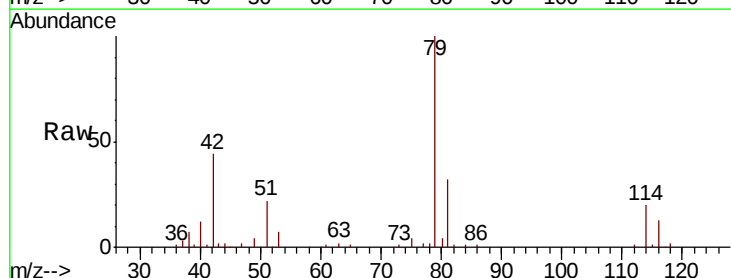
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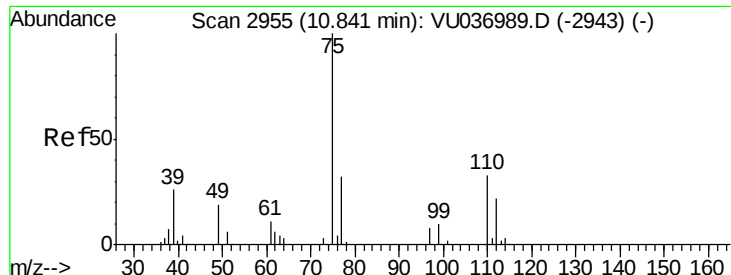
Tot Ion: 63 Resp: 12477
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.911 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037015.D
 Acq: 02 Mar 2020 21:24

Tgt Ion: 75 Resp: 2946
 Ion Ratio Lower Upper
 75 100
 77 50.9 22.0 41.0#





#59
 1,2,3-Trichloropropane
 Concen: 5.191 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037015.D
 Acq: 02 Mar 2020 21:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 14014
 Ion Ratio Lower Upper
 75 100
 77 36.9 26.2 39.2

