

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025556.D
 Acq On : 20 Jul 2018 20:49
 Operator : MD/SY
 Sample : J4097-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 21 02:54:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 02:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	322215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290429	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	134303	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80550	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.58%
7) Chloroethane-d5	1.68	69	68596	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.42%
11) 1,1-Dichloroethene-d2	2.27	63	131021	34.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.42%
21) 2-Butanone-d5	4.18	46	144485	101.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.74%
24) Chloroform-d	4.65	84	186025	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.31	65	127794	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.35	84	359753	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.34	67	117031	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.52%
41) Toluene-d8	7.57	98	334726	46.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.72%
43) trans-1,3-Dichloropropene-	7.85	79	55280	45.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.18%
47) 2-Hexanone-d5	8.31	63	106113	105.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.59%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	160603	47.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	134759	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

Target Compounds

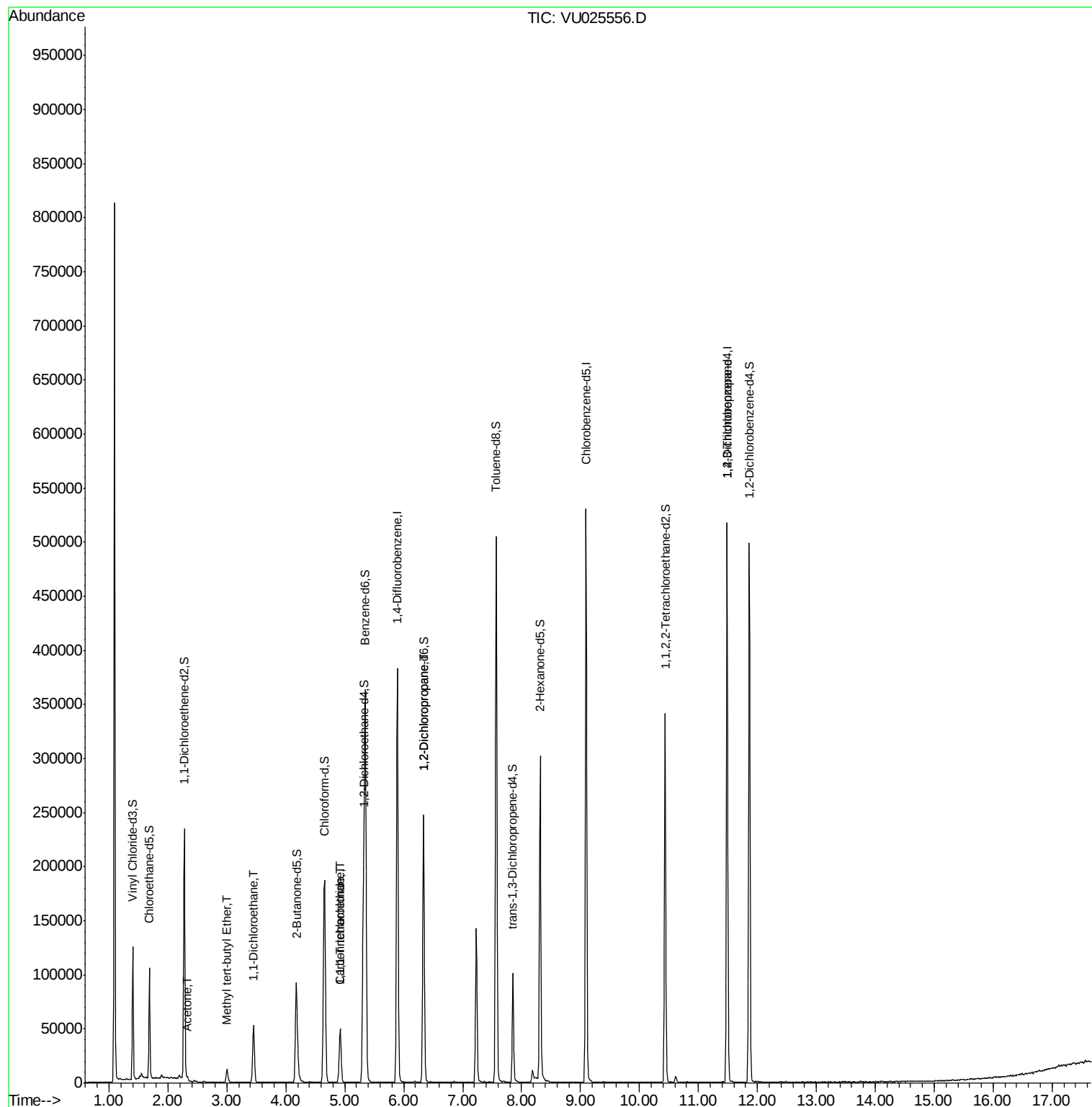
					Ovalue
13) Acetone	2.32	43	3430	2.058 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	12987	1.905 ug/L	96
19) 1,1-Dichloroethane	3.45	63	56056	14.075 ug/L	94
30) 1,1,1-Trichloroethane	4.92	97	38553	10.608 ug/L	98
31) Carbon tetrachloride	4.92	117	5172	1.539 ug/L #	60
37) 1,2-Dichloropropane	6.33	63	13531	5.934 ug/L #	88
59) 1,2,3-Trichloropropane	11.49	75	15194	5.673 ug/L #	86

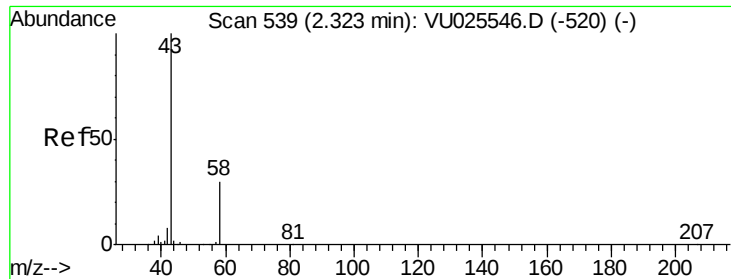
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 21 02:53:20 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.058 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025556.D

Acq: 20 Jul 2018 20:49

Instrument :

MSVOA_U

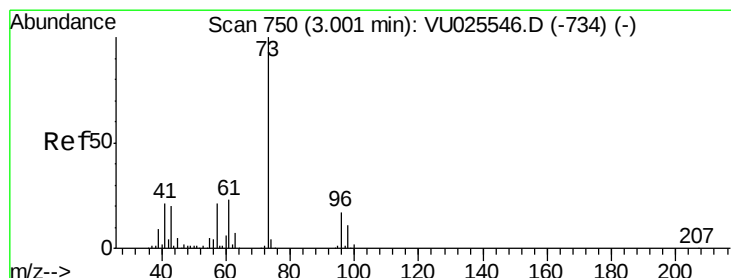
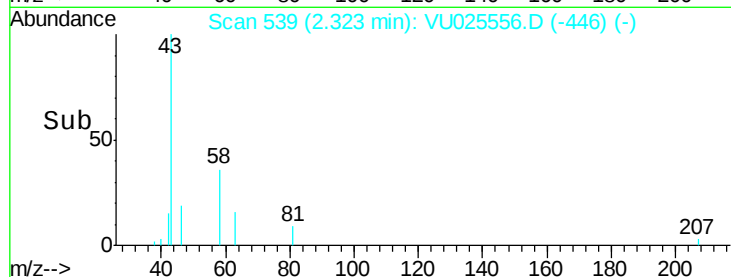
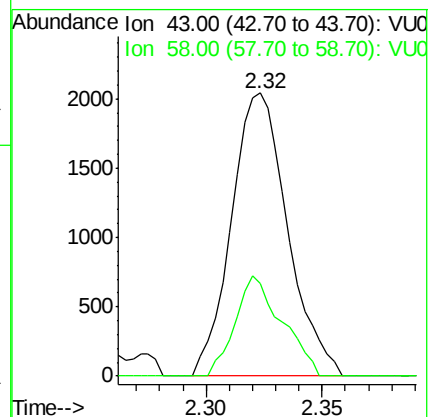
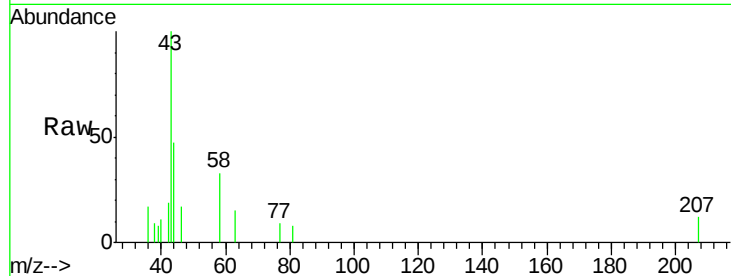
ClientSampleId :

Tot Ion: 43 Resp: 3430

Ion Ratio Lower Upper

43 100

58 29.4 0.0 61.2



#18

Methyl tert-butyl Ether

Concen: 1.905 ug/L

RT: 3.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU025556.D

Acq: 20 Jul 2018 20:49

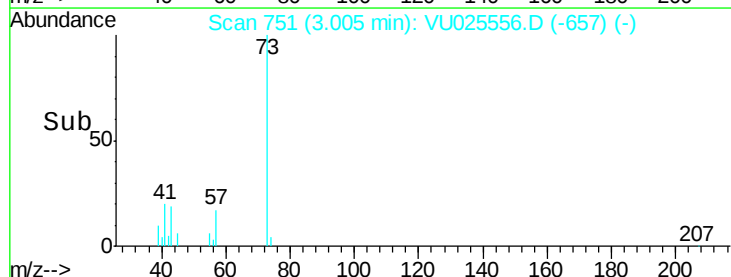
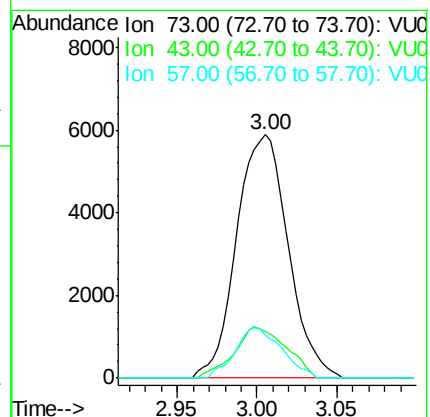
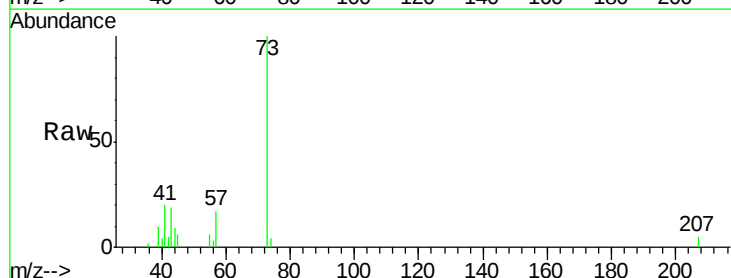
Tgt Ion: 73 Resp: 12987

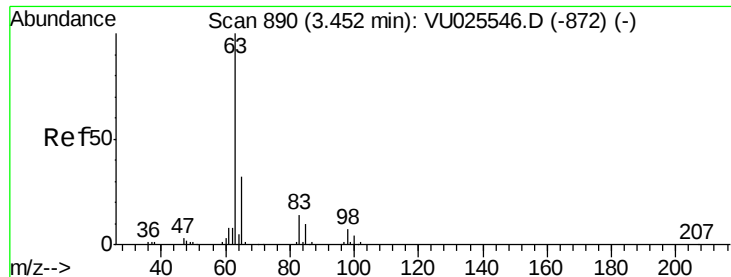
Ion Ratio Lower Upper

73 100

43 21.1 16.2 24.2

57 18.7 17.1 25.7





#19

1,1-Dichloroethane

Concen: 14.075 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025556.D

Acq: 20 Jul 2018 20:49

Instrument :

MSVOA_U

ClientSampleId :

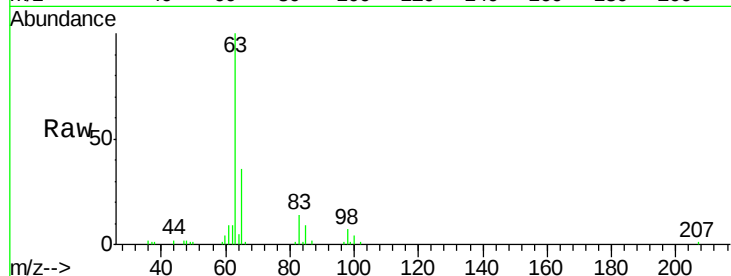
Tot Ion: 63 Resp: 56056

Ion Ratio Lower Upper

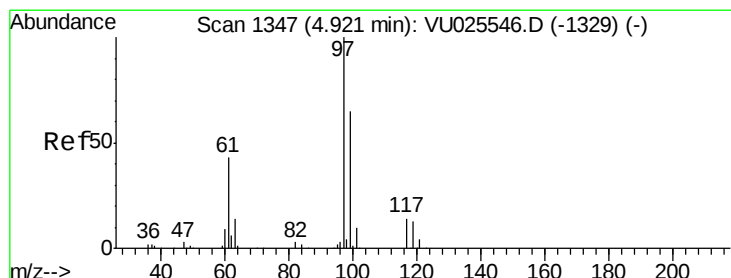
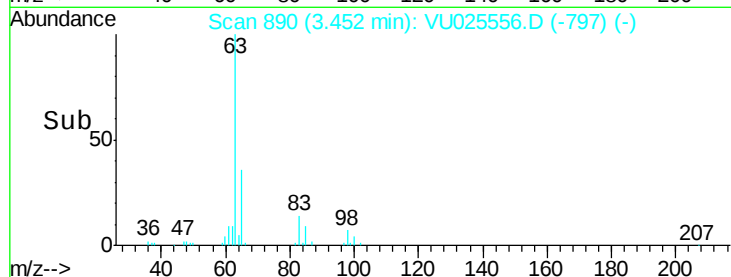
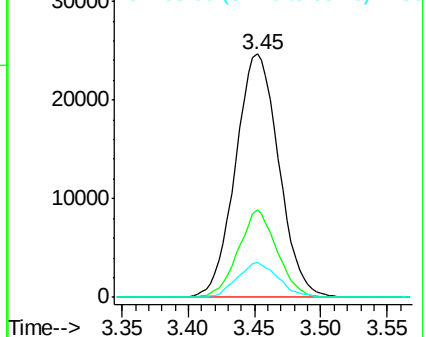
63 100

65 35.8 22.0 41.0

83 14.2 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#30

1,1,1-Trichloroethane

Concen: 10.608 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025556.D

Acq: 20 Jul 2018 20:49

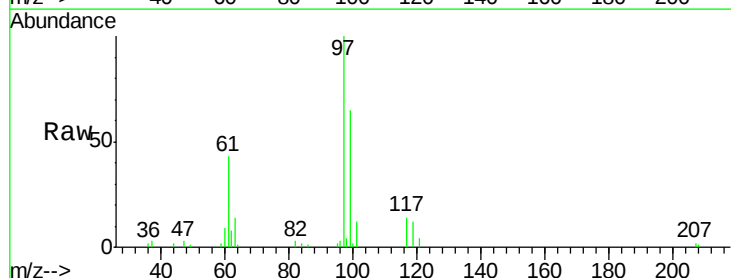
Tgt Ion: 97 Resp: 38553

Ion Ratio Lower Upper

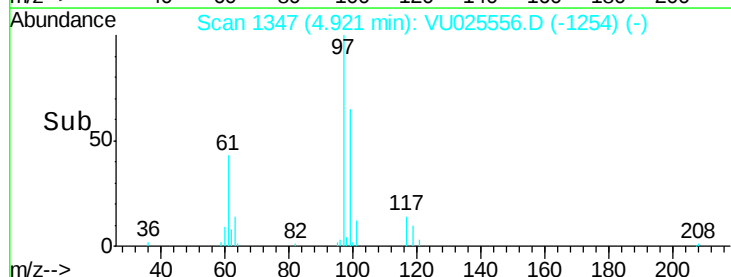
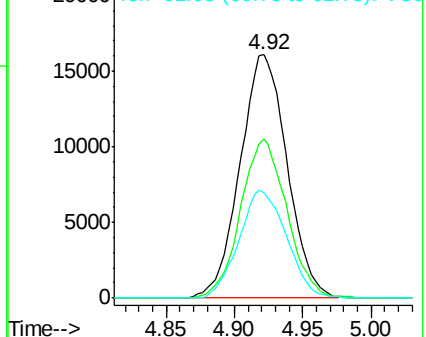
97 100

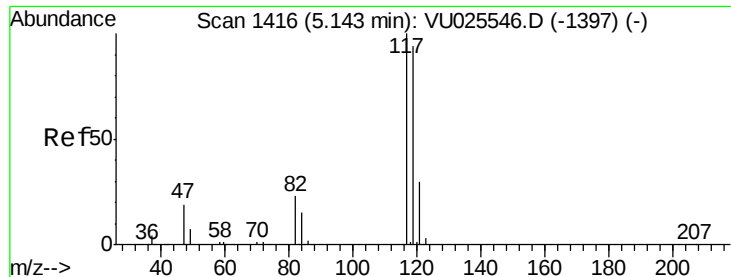
99 63.9 52.4 78.6

61 44.5 34.6 52.0



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: 1.539 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.22 min

Lab File: VU025556.D

Acq: 20 Jul 2018 20:49

Instrument :

MSVOA_U

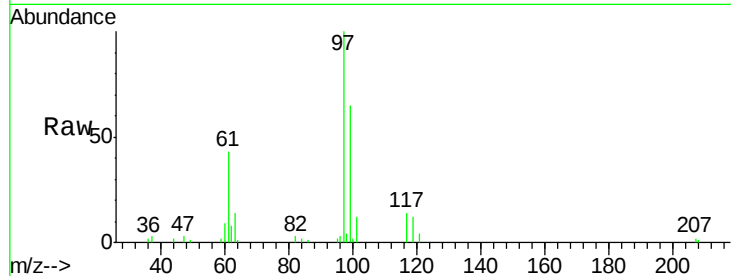
ClientSampleId :

Tot Ion:117 Resp: 5172

Ion Ratio Lower Upper

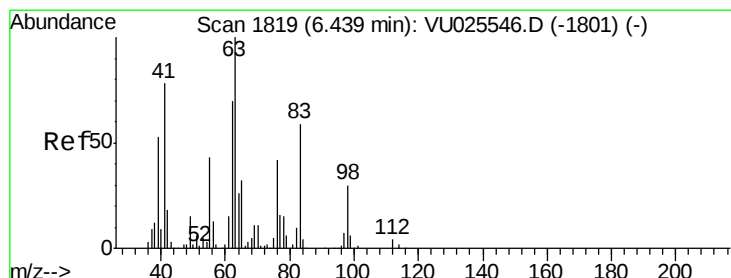
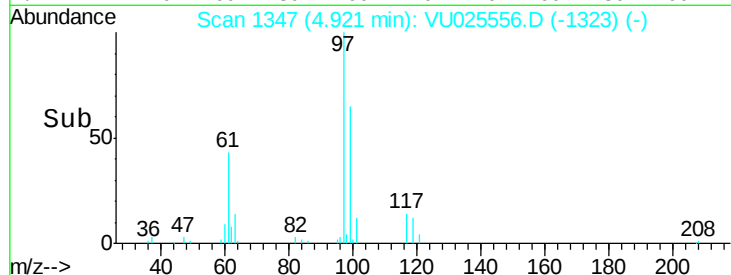
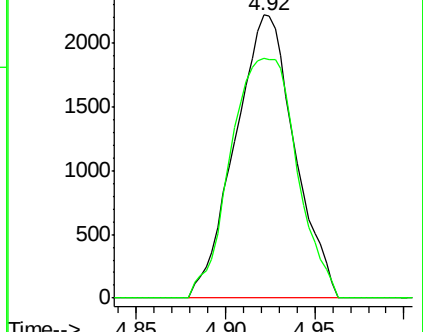
117 100

119 56.8 76.6 114.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#37

1,2-Dichloropropane

Concen: 5.934 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.11 min

Lab File: VU025556.D

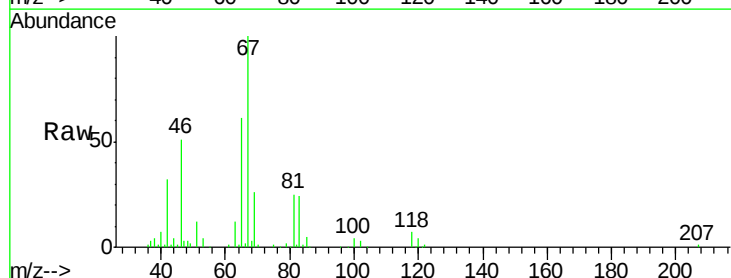
Acq: 20 Jul 2018 20:49

Tgt Ion: 63 Resp: 13531

Ion Ratio Lower Upper

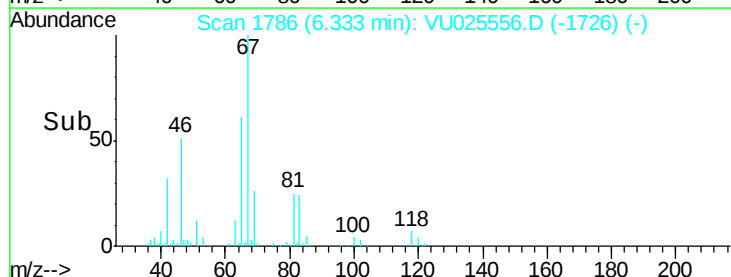
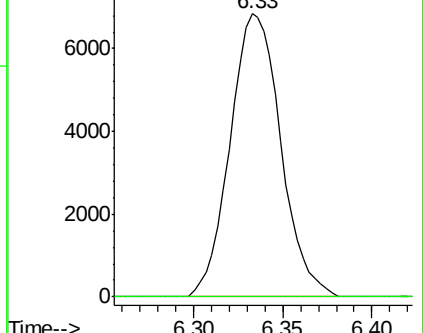
63 100

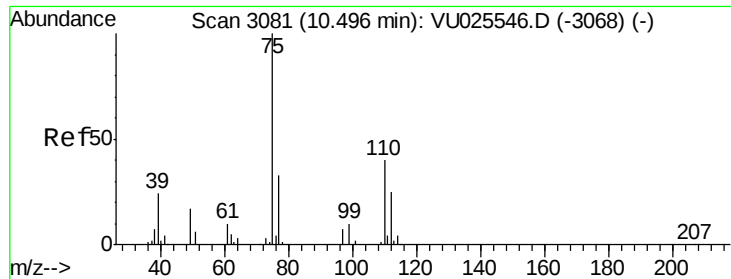
112 0.0 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 5.673 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025556.D

Acq: 20 Jul 2018 20:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15194

Ion Ratio Lower Upper

75 100

77 40.1 25.8 38.8#

