

Data File : VU026847.D
Acq On : 18 Sep 2018 09:26
Operator : MD/SY
Sample : J4893-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Sep 19 05:06:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	245490	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	232031	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95945	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87662	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.54%
7) Chloroethane-d5	1.68	69	76353	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.24%
11) 1,1-Dichloroethene-d2	2.27	63	125101	36.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.82%
21) 2-Butanone-d5	4.18	46	123373	102.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.37%
24) Chloroform-d	4.65	84	163986	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.31	65	105919	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.88%
32) Benzene-d6	5.34	84	336135	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.38%
36) 1,2-Dichloropropane-d6	6.33	67	108083	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.18%
41) Toluene-d8	7.57	98	285071	48.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.04%
43) trans-1,3-Dichloropropene-	7.85	79	44164	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.42%
47) 2-Hexanone-d5	8.31	63	85080	103.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	142394	48.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	110233	55.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.46%

Target Compounds

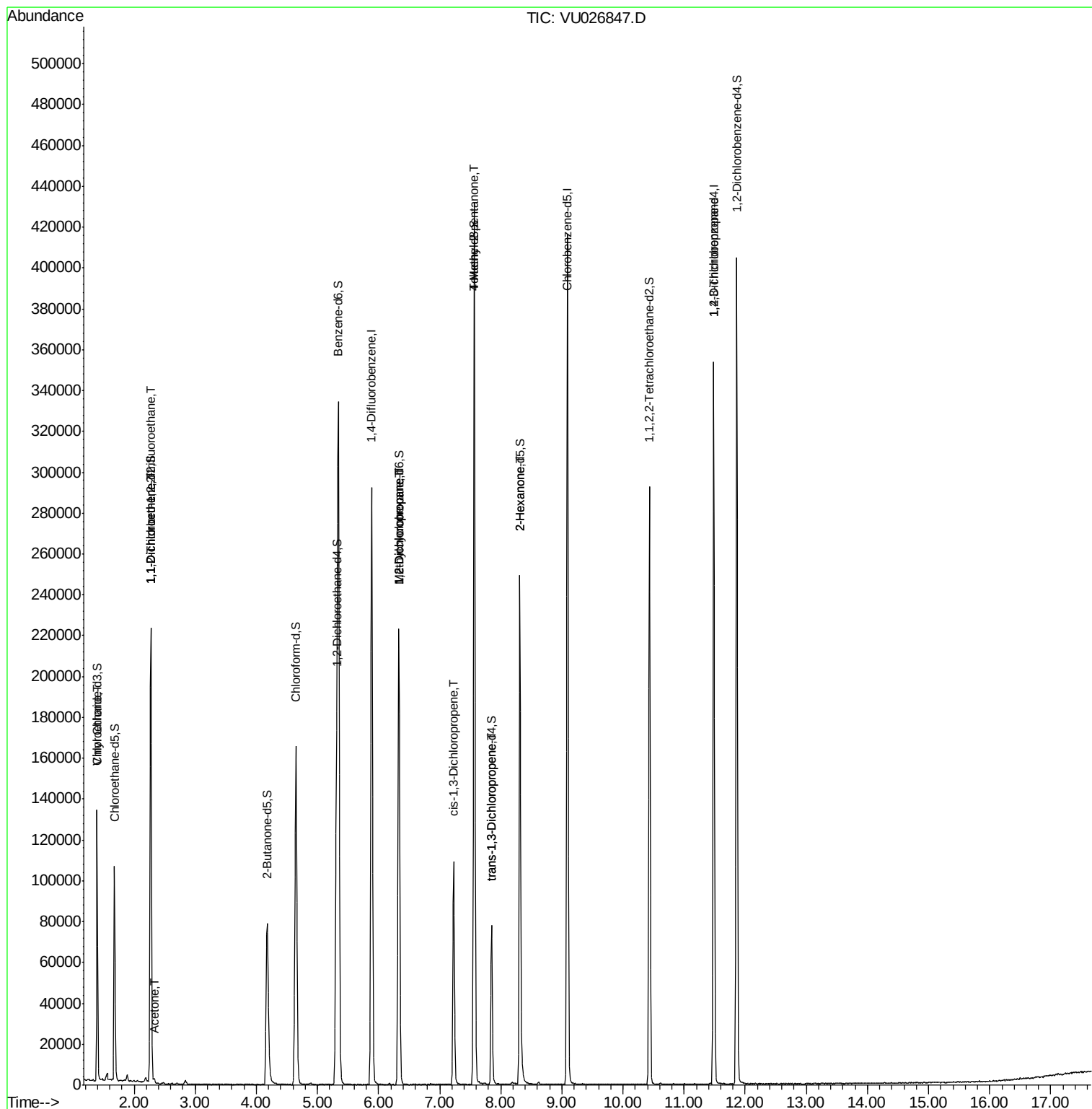
					Qvalue	
8) Chloroethane	1.40	64	1196	0.829	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1100	0.649	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1110	0.697	ug/L #	1
13) Acetone	2.32	43	715	0.604	ug/L	77
35) Methylcyclohexane	6.33	83	25011	8.888	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	11661	5.901	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2535	0.908	ug/L #	61
40) 4-Methyl-2-pentanone	7.57	43	1133	0.483	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1846	0.706	ug/L	86
48) 2-Hexanone	8.31	43	9678	5.110	ug/L #	66
59) 1,2,3-Trichloropropane	11.48	75	11122	4.699	ug/L	91

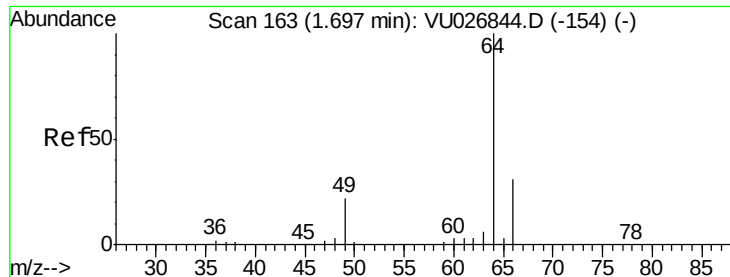
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.829 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.30 min

Lab File: VU026847.D

Acq: 18 Sep 2018 09:26

Instrument :

MSVOA_U

ClientSampleId :

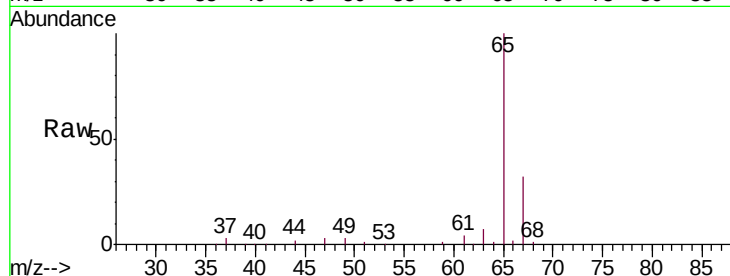
VHBLK01

Tgt Ion: 64 Resp: 1196

Ion Ratio Lower Upper

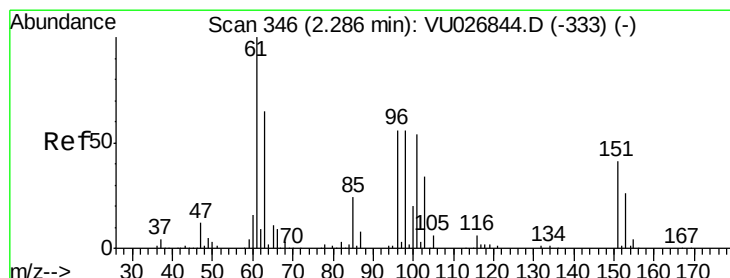
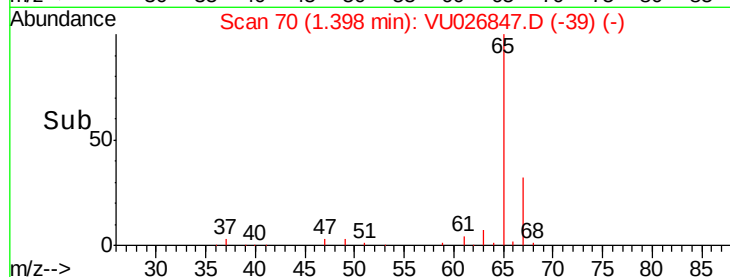
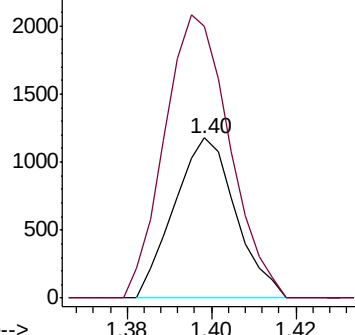
64 100

66 169.6 23.0 42.8#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#10

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

Concen: 0.649 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026847.D

Acq: 18 Sep 2018 09:26

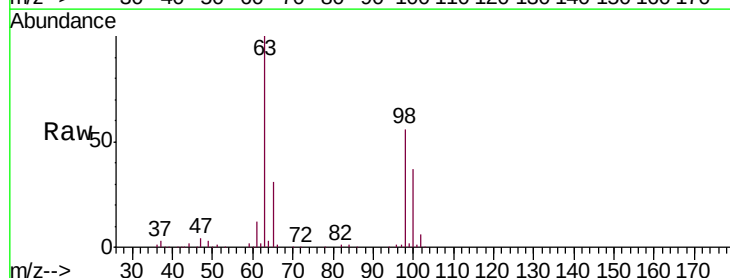
Tgt Ion: 101 Resp: 1100

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

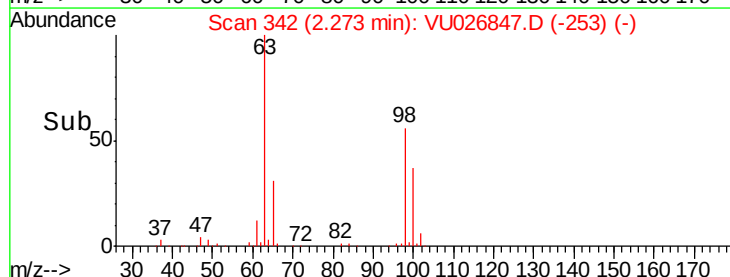
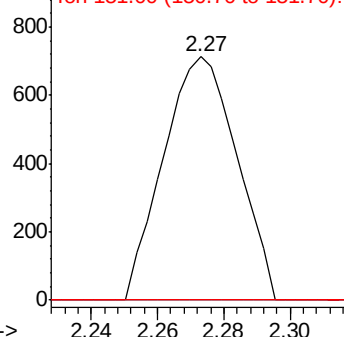
151 0.0 63.0 94.4#

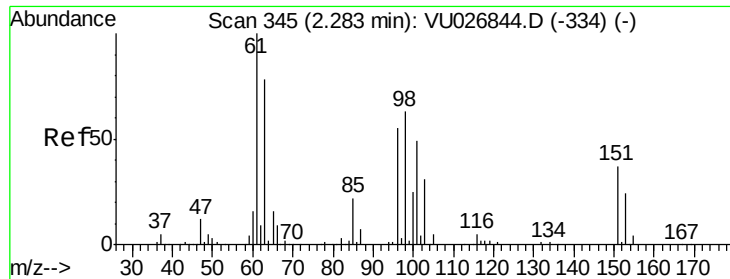


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

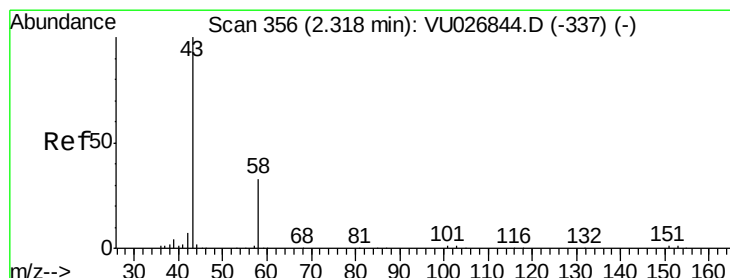
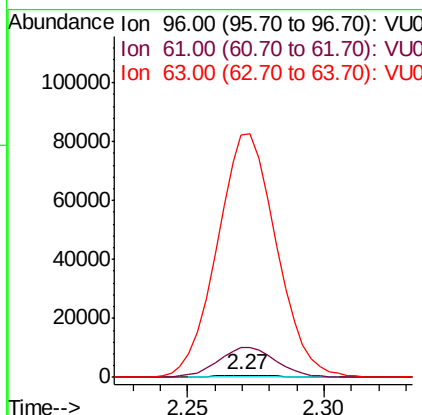
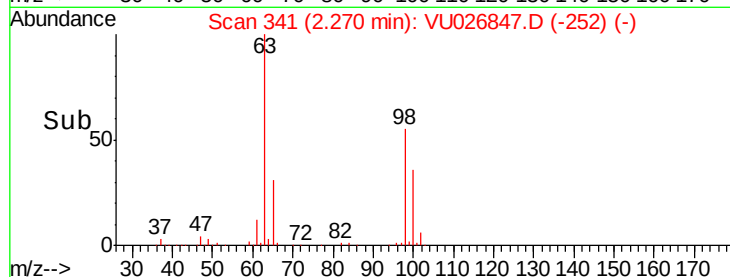
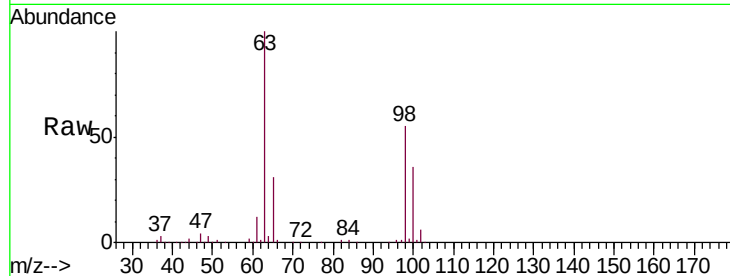




#12
 1,1-Dichloroethene
 Concen: 0.697 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU026847.D
 Acq: 18 Sep 2018 09:26

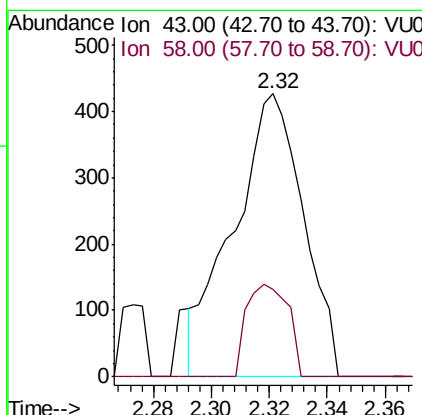
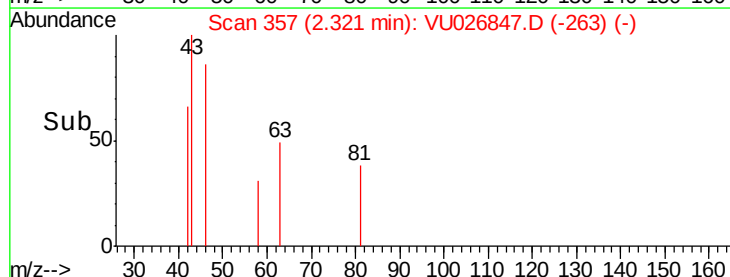
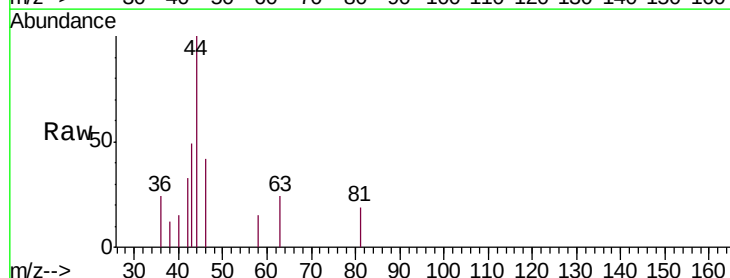
Instrument :
 MSVOA_U
 ClientSampled :
 VHBLK01

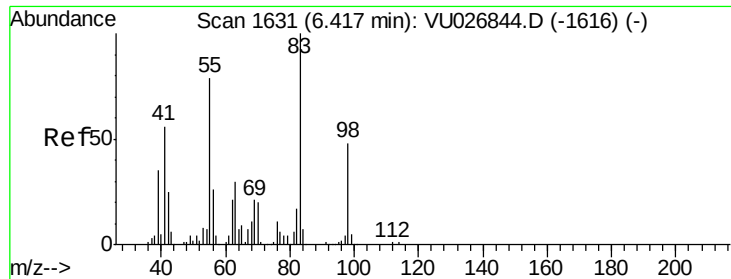
Tgt Ion: 96 Resp: 1110
 Ion Ratio Lower Upper
 96 100
 61 1496.5 124.0 230.4#
 63 12069.4 97.7 181.5#



#13
 Acetone
 Concen: 0.604 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026847.D
 Acq: 18 Sep 2018 09:26

Tgt Ion: 43 Resp: 715
 Ion Ratio Lower Upper
 43 100
 58 19.4 0.0 64.6

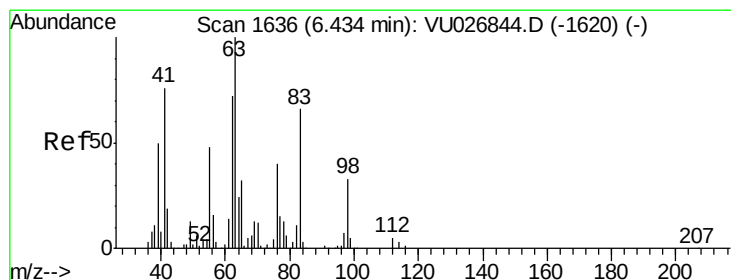
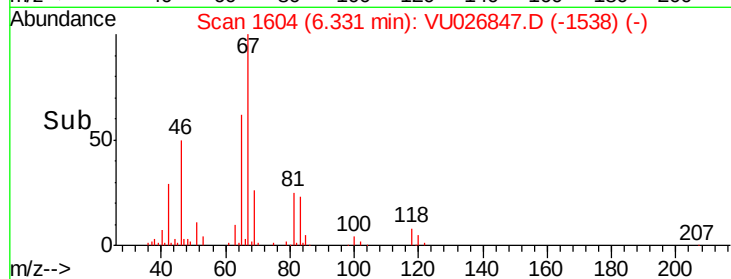
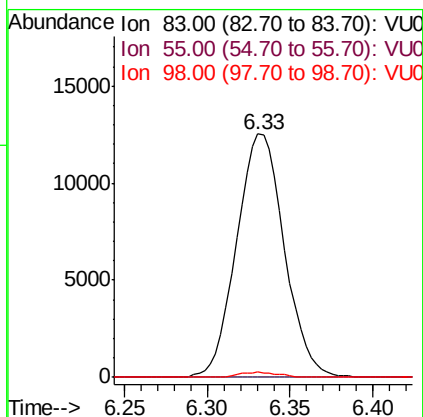
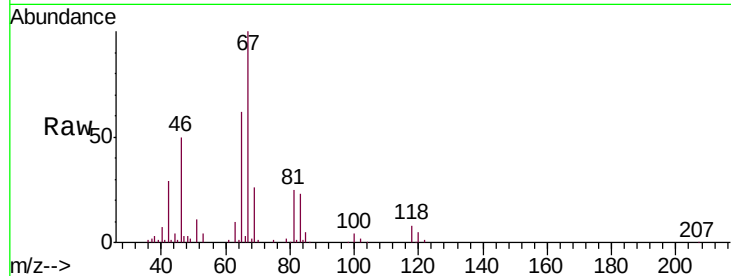




#35
Methylcyclohexane
Concen: 8.888 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026847.D
Acq: 18 Sep 2018 09:26

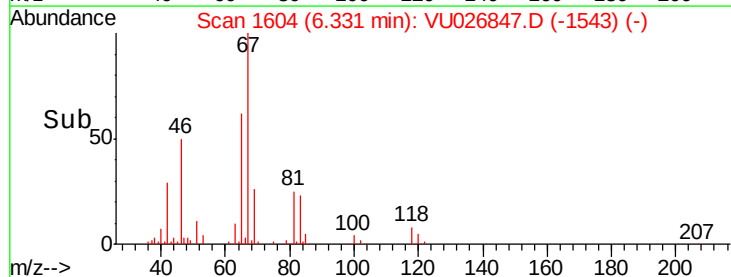
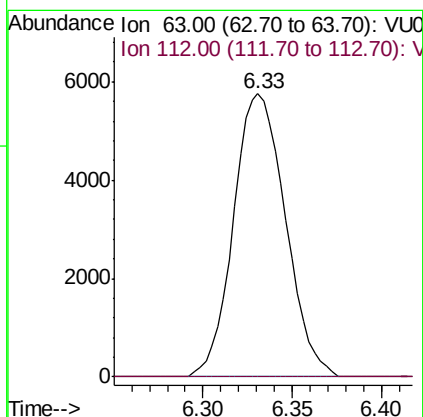
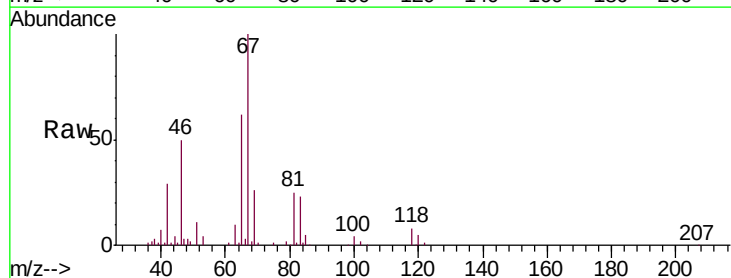
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

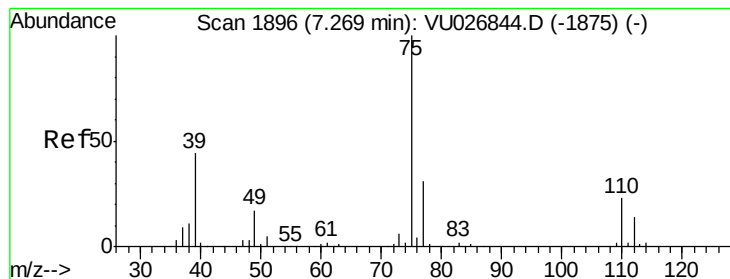
Tgt Ion: 83 Resp: 25011
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 1.6 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 5.901 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026847.D
Acq: 18 Sep 2018 09:26

Tgt Ion: 63 Resp: 11661
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



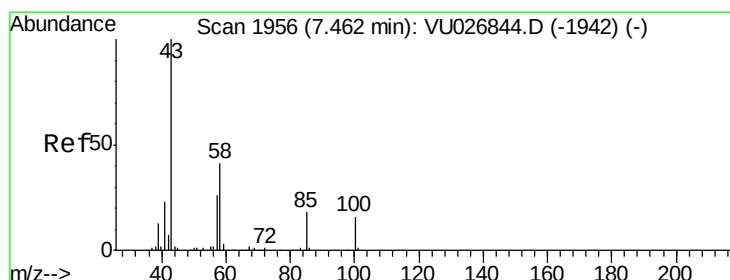
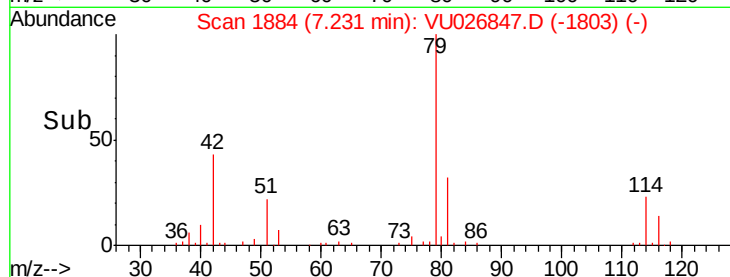
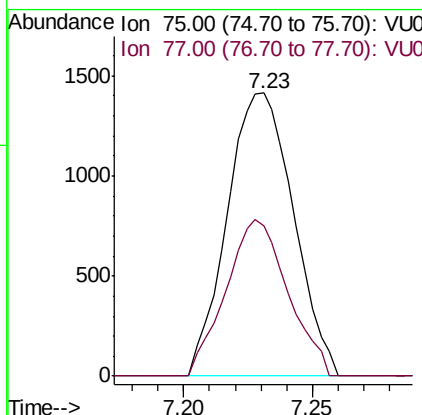
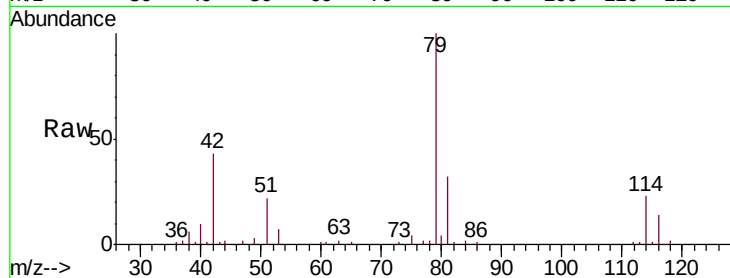


#39

cis-1,3-Dichloropropene
 Concen: 0.908 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026847.D
 Acq: 18 Sep 2018 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

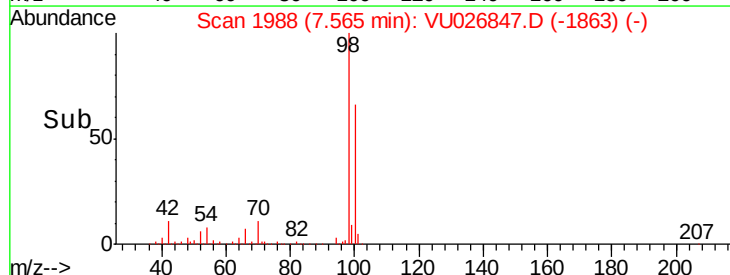
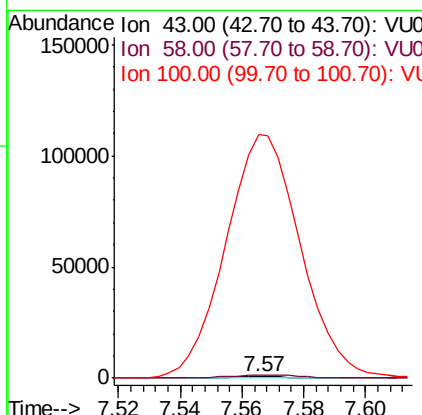
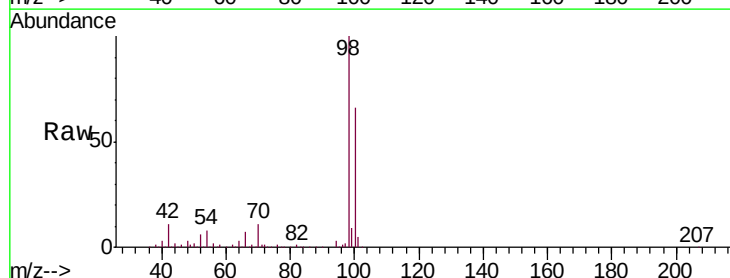
Tgt Ion: 75 Resp: 2535
 Ion Ratio Lower Upper
 75 100
 77 53.3 22.1 41.1#

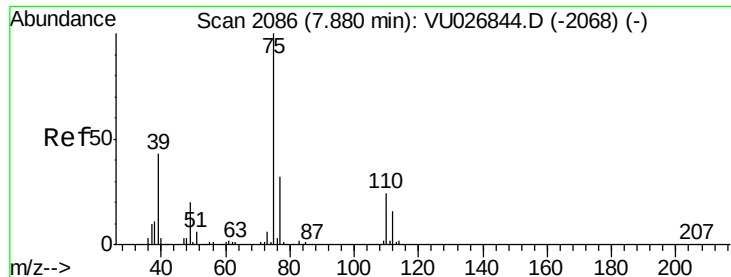


#40

4-Methyl-2-pentanone
 Concen: 0.483 ug/L
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU026847.D
 Acq: 18 Sep 2018 09:26

Tgt Ion: 43 Resp: 1133
 Ion Ratio Lower Upper
 43 100
 58 197.9 32.0 48.0#
 100 16419.7 12.6 19.0#





#44

trans-1,3-Dichloropropene

Concen: 0.706 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026847.D

Acq: 18 Sep 2018 09:26

Instrument :

MSVOA_U

ClientSampleId :

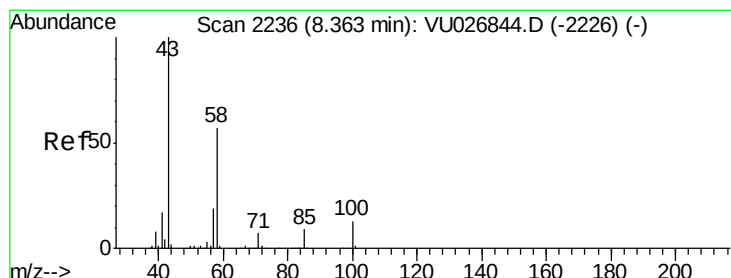
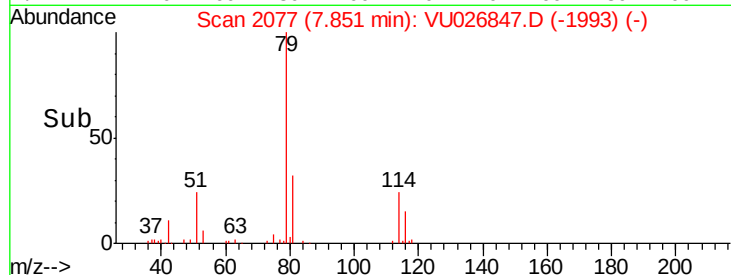
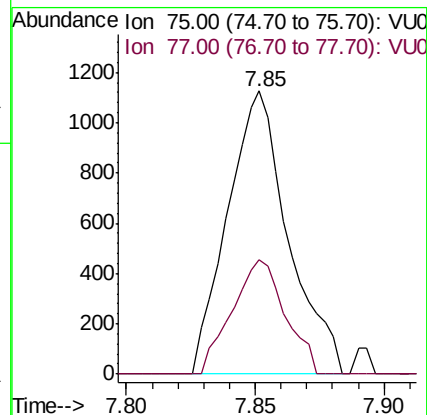
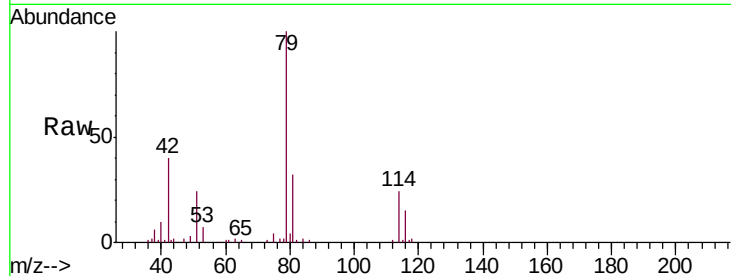
VHBLK01

Tgt Ion: 75 Resp: 1846

Ion Ratio Lower Upper

75 100

77 40.5 22.8 42.4



#48

2-Hexanone

Concen: 5.110 ug/L

RT: 8.31 min Scan# 2220

Delta R.T. -0.05 min

Lab File: VU026847.D

Acq: 18 Sep 2018 09:26

Tgt Ion: 43 Resp: 9678

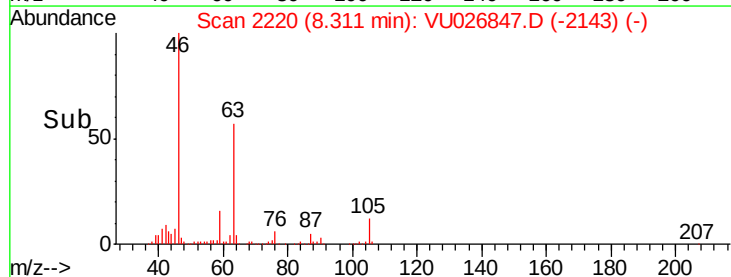
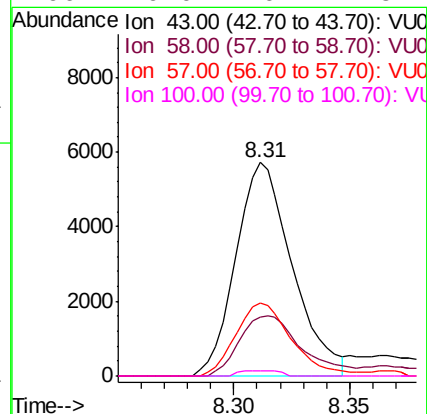
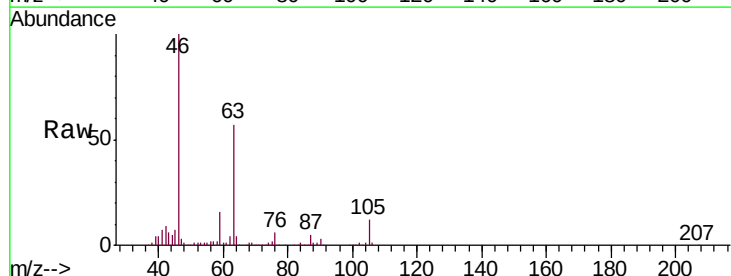
Ion Ratio Lower Upper

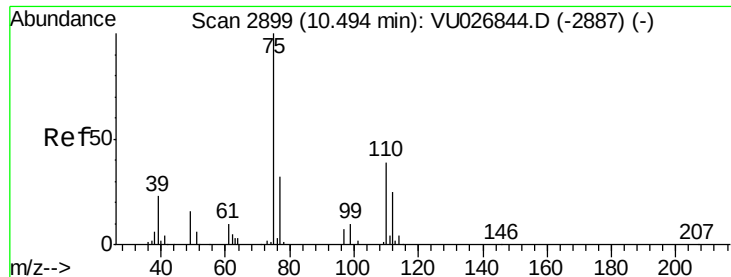
43 100

58 31.2 44.9 67.3#

57 34.2 15.4 23.2#

100 0.0 10.2 15.4#





#59

1,2,3-Trichloropropane

Concen: 4.699 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026847.D

Acq: 18 Sep 2018 09:26

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tgt Ion: 75 Resp: 11122

Ion Ratio Lower Upper

75 100

77 37.0 25.5 38.3

