

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102218\
 Data File : VU027743.D
 Acq On : 22 Oct 2018 15:28
 Operator : MD/SY
 Sample : J5589-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Oct 23 08:52:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 23 08:01:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	112026	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	105293	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47048	50.00	ug/L	0.00

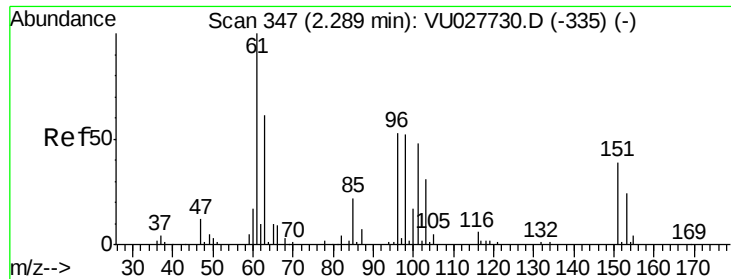
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41930	48.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.20%
7) Chloroethane-d5	1.68	69	32309	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.30%
11) 1,1-Dichloroethene-d2	2.27	63	58627	37.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.70%
21) 2-Butanone-d5	4.18	46	71957	96.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.87%
24) Chloroform-d	4.65	84	74401	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	5.31	65	53478	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
32) Benzene-d6	5.34	84	147894	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
36) 1,2-Dichloropropane-d6	6.33	67	52716	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.48%
41) Toluene-d8	7.57	98	136099	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.85	79	25179	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
47) 2-Hexanone-d5	8.31	63	53780	98.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	66036	47.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	48691	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	401	0.601	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	388	0.622	ug/L #	1
13) Acetone	2.32	43	602	1.163	ug/L #	46
25) Chloroform	4.67	83	1010	0.695	ug/L	94
27) 1,2-Dichloroethane	5.34	62	847	0.671	ug/L #	78
35) Methylcyclohexane	6.33	83	11265	8.306	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	5559	6.007	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1478	1.037	ug/L #	50
40) 4-Methyl-2-pentanone	7.57	43	740	0.497	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	927	0.688	ug/L #	74
59) 1,2,3-Trichloropropane	11.48	75	5834	5.334	ug/L #	86

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



#10

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

Concen: 0.601 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU027743.D

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MSVOA_U

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VHBLK01

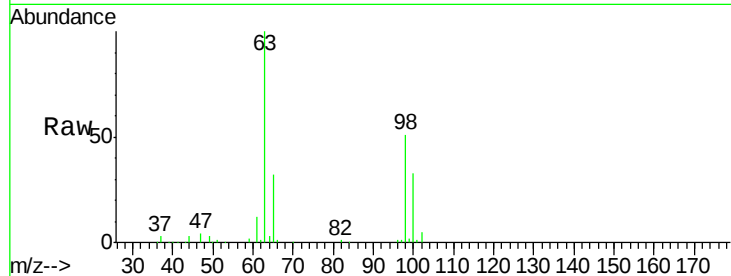
Tgt Ion:101 Resp: 401

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

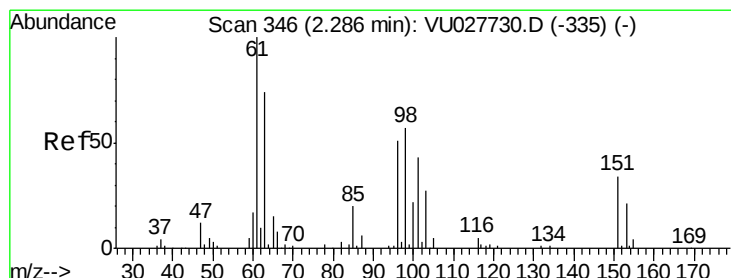
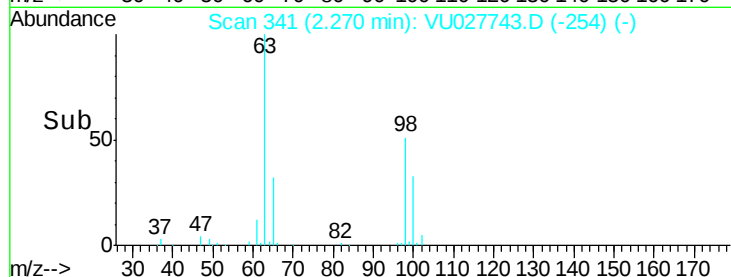
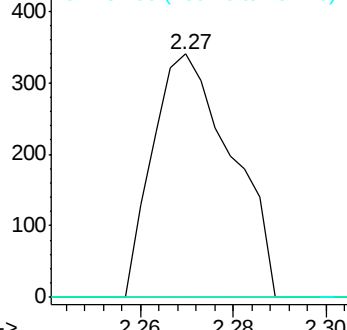
151 0.0 62.0 93.0#



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: 0.622 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU027743.D

Acq: 22 Oct 2018 15:28

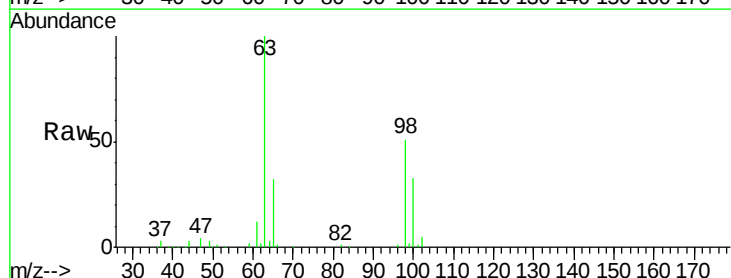
Tgt Ion: 96 Resp: 388

Ion Ratio Lower Upper

96 100

61 1667.0 137.3 255.1#

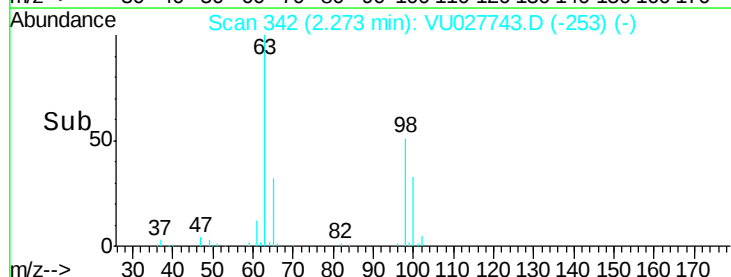
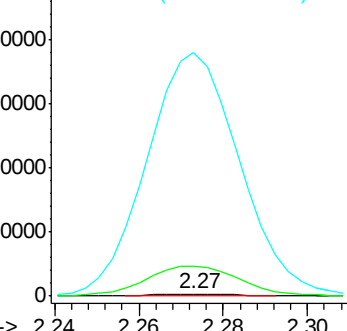
63 13461.0 109.8 204.0#

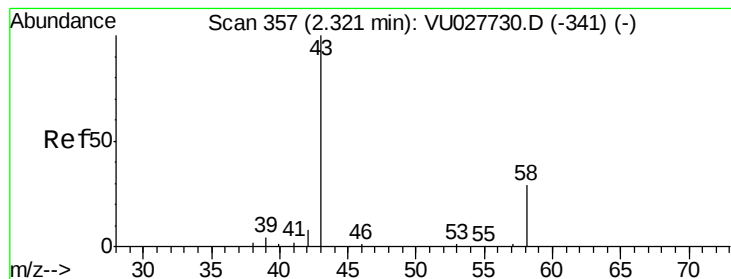


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.163 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027743.D

Acq: 22 Oct 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

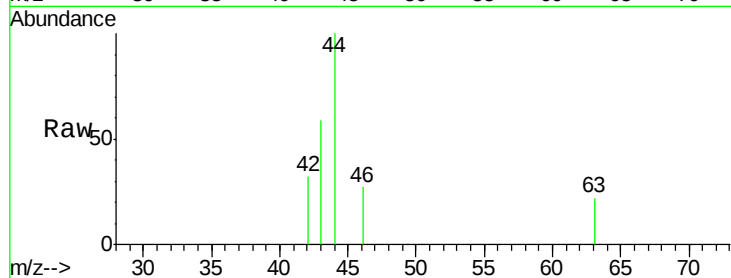
VHBLK01

Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

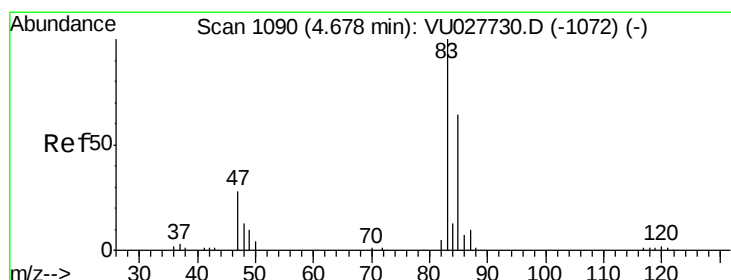
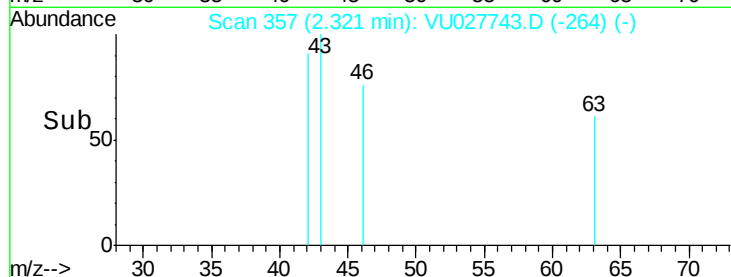
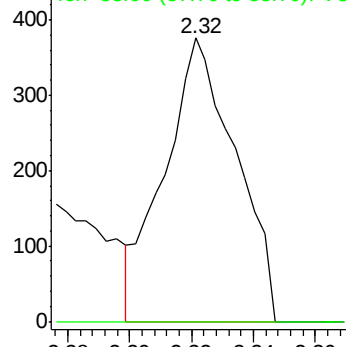
43 100

58 0.0 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 0.695 ug/L

RT: 4.67 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VU027743.D

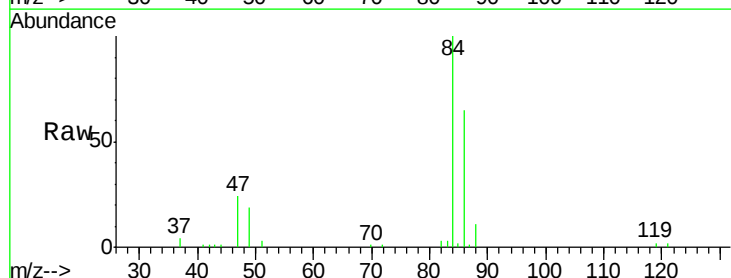
Acq: 22 Oct 2018 15:28

Tgt Ion: 83 Resp: 1010

Ion Ratio Lower Upper

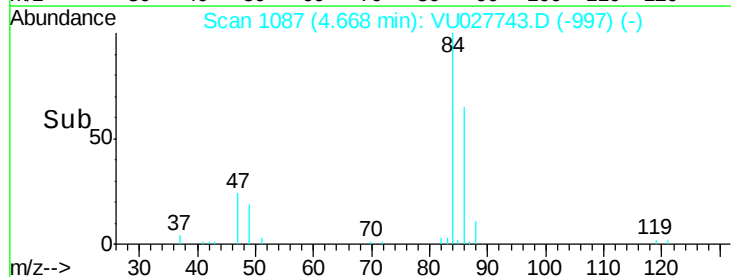
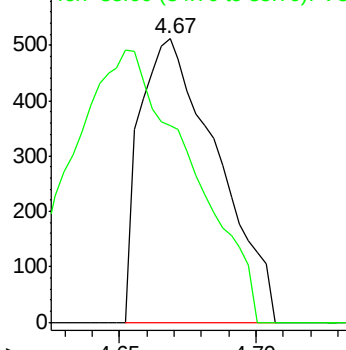
83 100

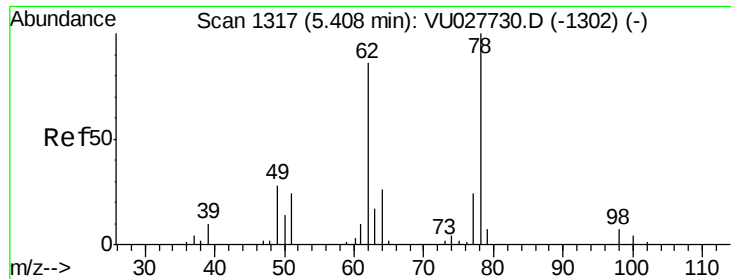
85 69.3 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

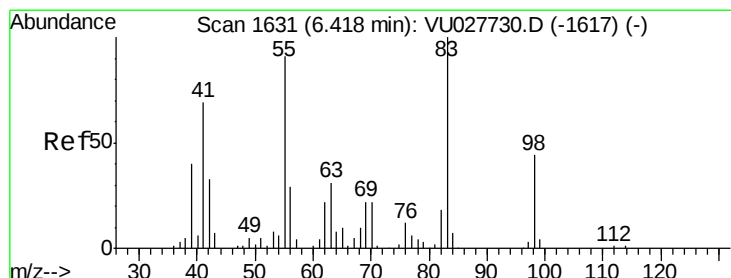
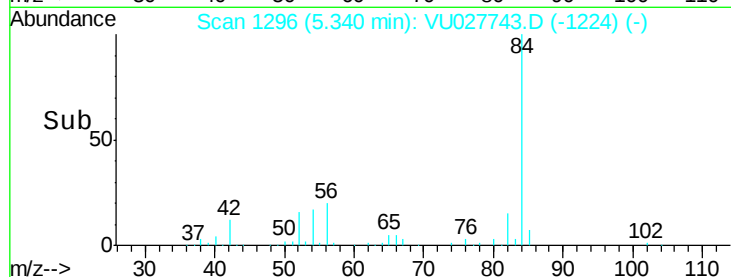
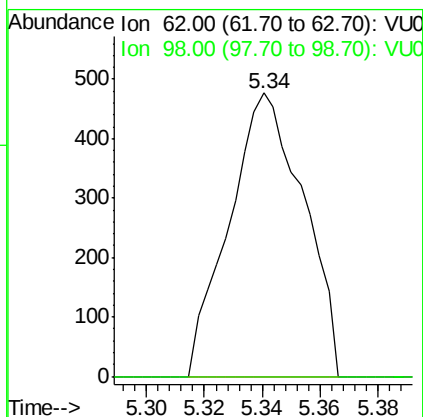
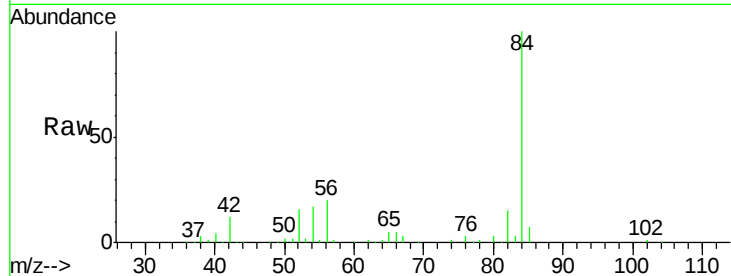




#27
 1,2-Dichloroethane
 Concen: 0.671 ug/L
 RT: 5.34 min Scan# 1296
 Delta R.T. -0.07 min
 Lab File: VU027743.D
 Acq: 22 Oct 2018 15:28

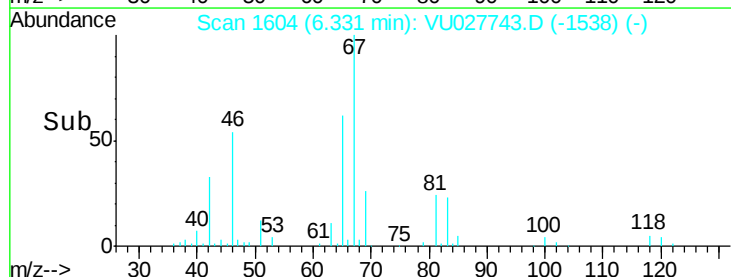
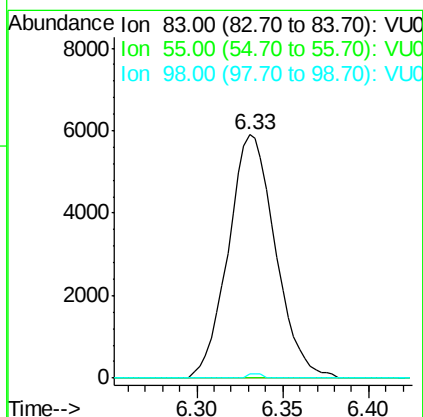
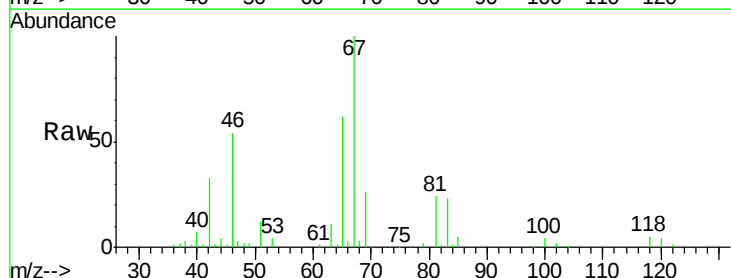
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

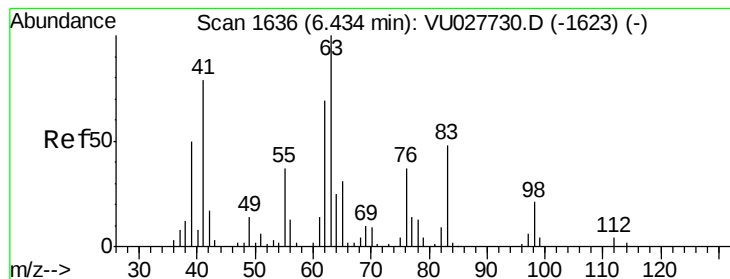
Tgt Ion: 62 Resp: 847
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#35
 Methylcyclohexane
 Concen: 8.306 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.09 min
 Lab File: VU027743.D
 Acq: 22 Oct 2018 15:28

Tgt Ion: 83 Resp: 11265
 Ion Ratio Lower Upper
 83 100
 55 0.0 71.9 107.9#
 98 0.6 34.6 52.0#





#37

1,2-Dichloropropane

Concen: 6.007 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU027743.D

Acq: 22 Oct 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

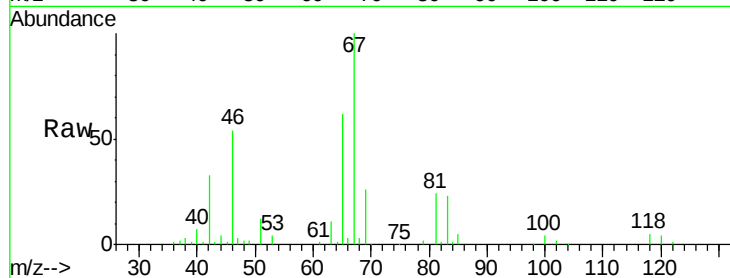
VHBLK01

Tgt Ion: 63 Resp: 5559

Ion Ratio Lower Upper

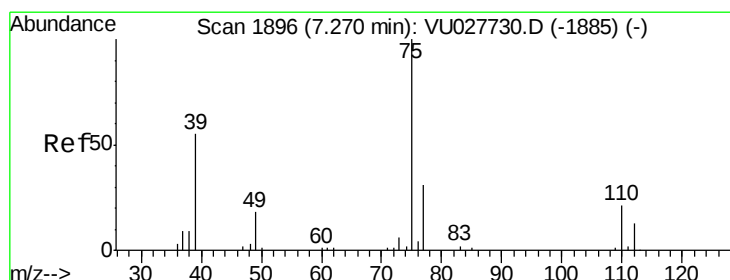
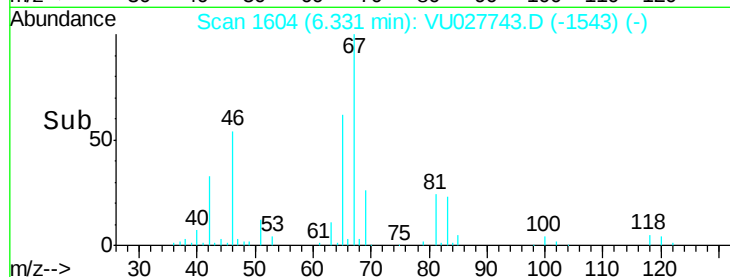
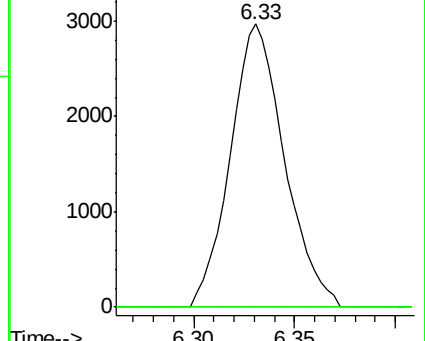
63 100

112 0.0 2.6 3.8#



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: 1.037 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU027743.D

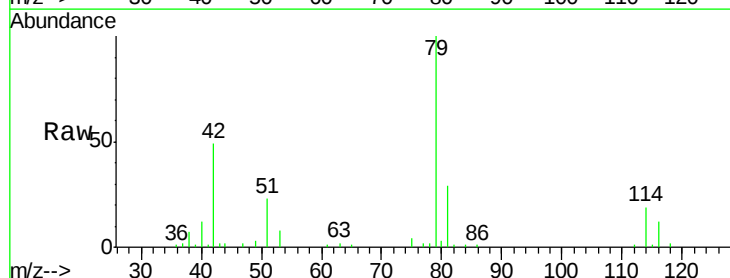
Acq: 22 Oct 2018 15:28

Tgt Ion: 75 Resp: 1478

Ion Ratio Lower Upper

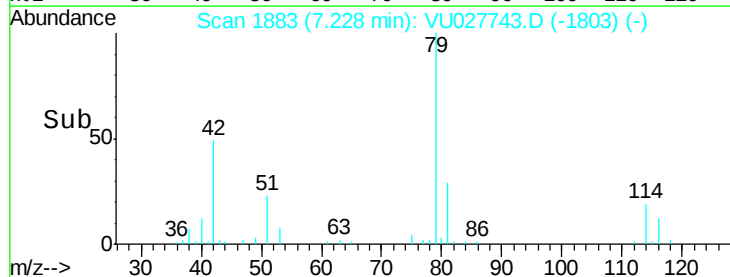
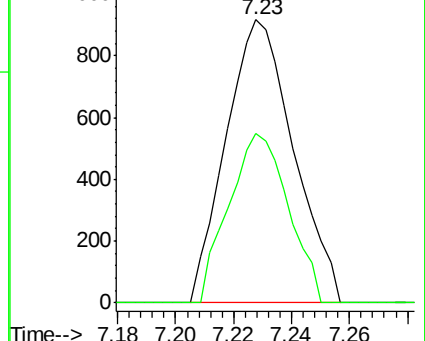
75 100

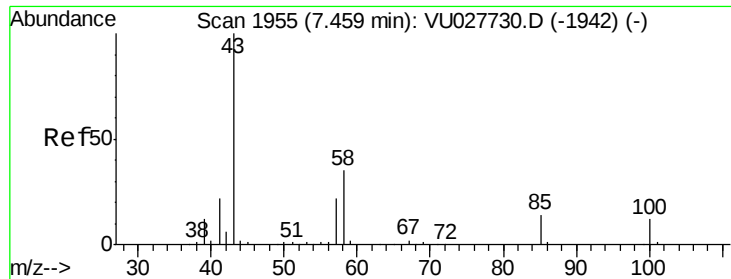
77 60.0 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

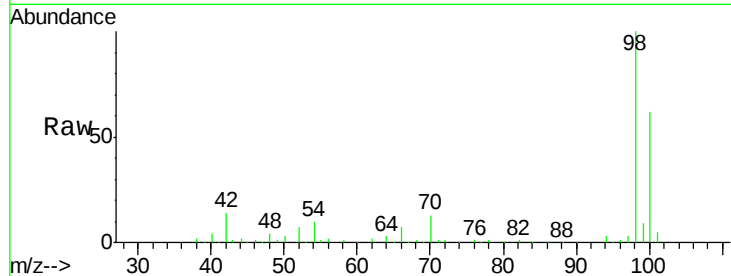




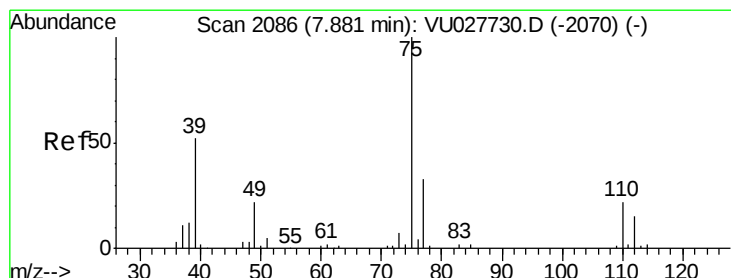
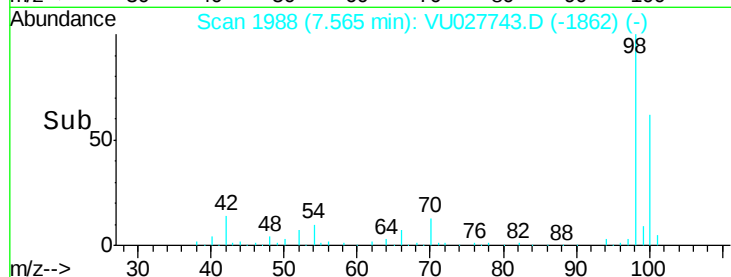
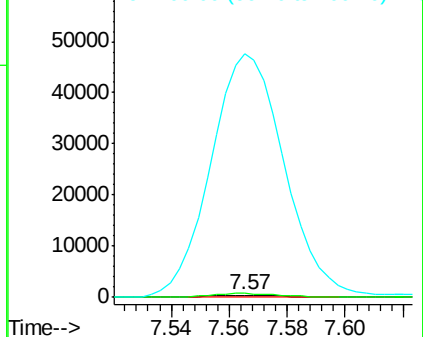
#40
 4-Methyl-2-pentanone
 Concen: 0.497 ug/L
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.11 min
 Lab File: VU027743.D
 Acq: 22 Oct 2018 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Tgt Ion: 43 Resp: 740
 Ion Ratio Lower Upper
 43 100
 58 169.3 28.3 42.5#
 100 11499.1 9.1 13.7#

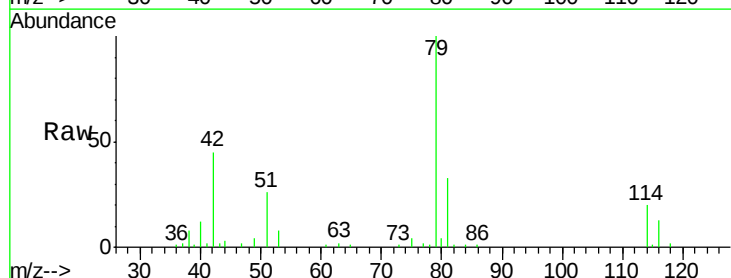


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

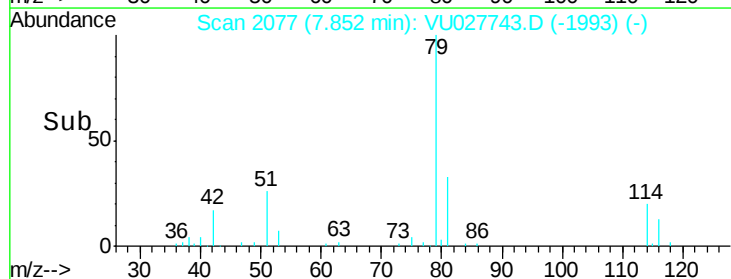
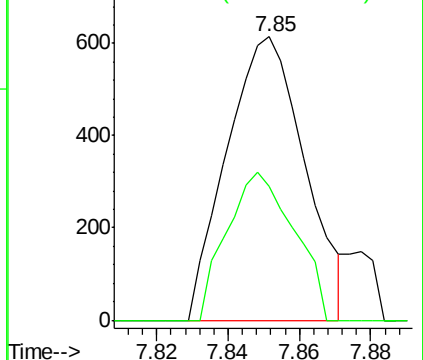


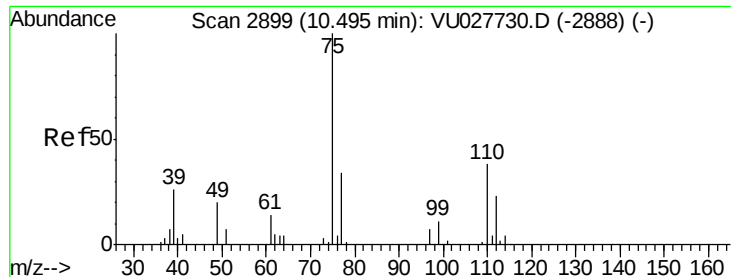
#44
 trans-1,3-Dichloropropene
 Concen: 0.688 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU027743.D
 Acq: 22 Oct 2018 15:28

Tgt Ion: 75 Resp: 927
 Ion Ratio Lower Upper
 75 100
 77 47.4 22.8 42.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.334 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027743.D

Acq: 22 Oct 2018 15:28

Instrument :

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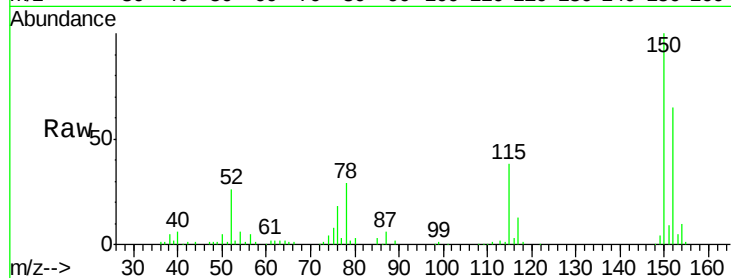
VHBLK01

Tgt Ion: 75 Resp: 5834

Ion Ratio Lower Upper

75 100

77 41.3 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

