

Data File : VU027820.D
Acq On : 26 Oct 2018 09:56
Operator : MD/SY
Sample : VU1026WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK51

Quant Time: Oct 27 01:44:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	74711	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	69031	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	31084	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30890	53.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.28%
7) Chloroethane-d5	1.68	69	24362	54.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.88%
11) 1,1-Dichloroethene-d2	2.27	63	45914	43.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.72%
21) 2-Butanone-d5	4.18	46	56105	113.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.26%
24) Chloroform-d	4.65	84	59653	57.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.16%
26) 1,2-Dichloroethane-d4	5.31	65	45072	62.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.58%
32) Benzene-d6	5.34	84	112455	57.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.40%
36) 1,2-Dichloropropane-d6	6.33	67	40703	57.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.98%
41) Toluene-d8	7.57	98	104762	57.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.54%
43) trans-1,3-Dichloropropene-	7.85	79	19251	56.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.96%
47) 2-Hexanone-d5	8.31	63	39873	111.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50608	55.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	37095	58.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.52%

Target Compounds

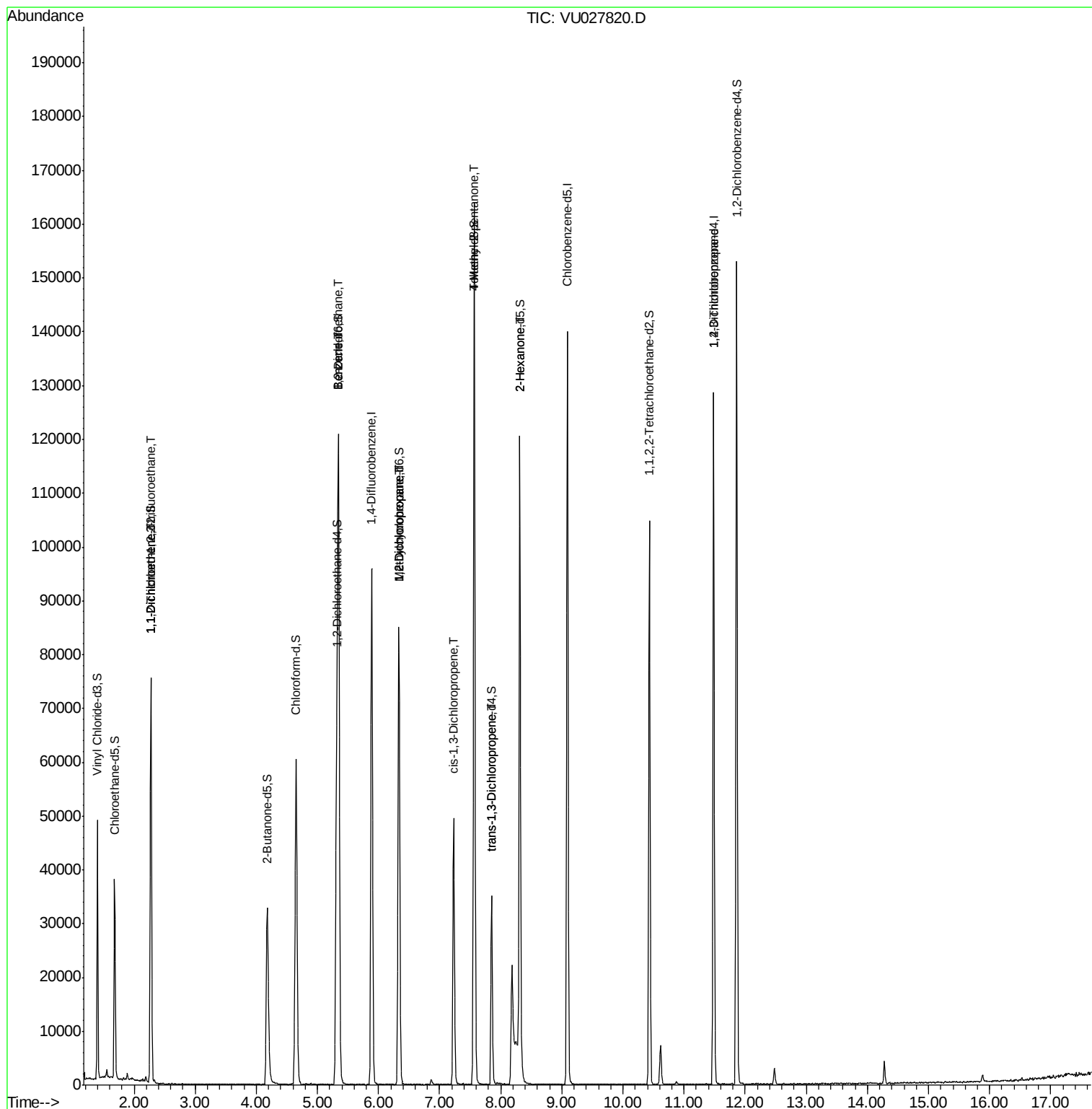
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	299	0.672 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	333	0.800 ug/L #	1
27) 1,2-Dichloroethane	5.34	62	680	0.808 ug/L #	78
33) Benzene	5.34	78	874	0.426 ug/L	100
35) Methylcyclohexane	6.33	83	9043	10.171 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	4674	7.703 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1214	1.299 ug/L #	82
40) 4-Methyl-2-pentanone	7.57	43	538	0.552 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	700	0.792 ug/L #	61
48) 2-Hexanone	8.31	43	5175	6.843 ug/L #	66
59) 1,2,3-Trichloropropane	11.48	75	4062	5.665 ug/L	90

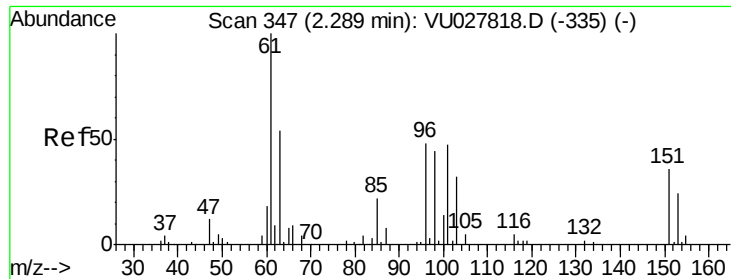
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.672 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027820.D

Acq: 26 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampled :

VBLK51

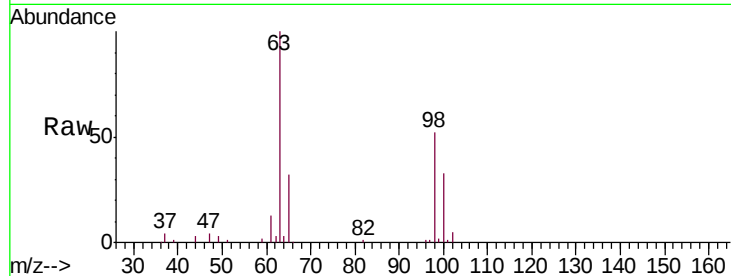
Tgt Ion: 101 Resp: 299

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

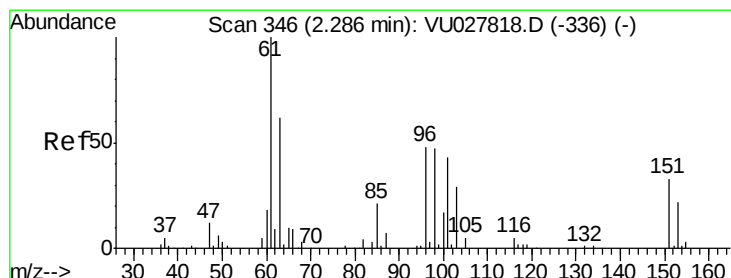
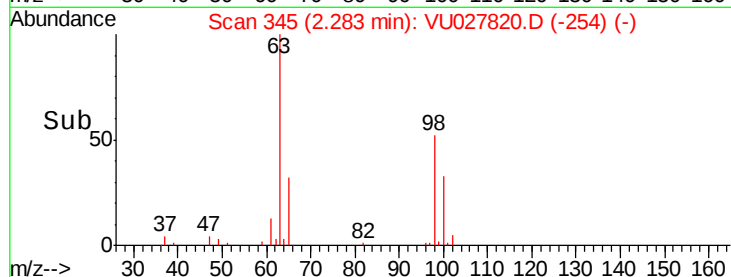
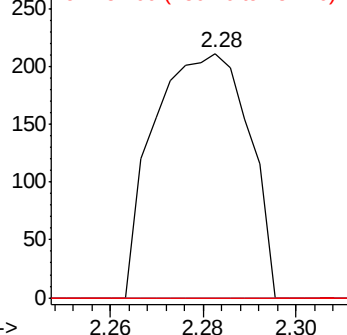
151 0.0 62.0 93.0#



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: 0.800 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU027820.D

Acq: 26 Oct 2018 09:56

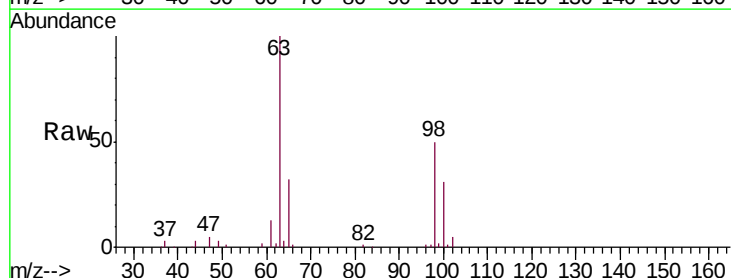
Tgt Ion: 96 Resp: 333

Ion Ratio Lower Upper

96 100

61 1864.7 137.3 255.1#

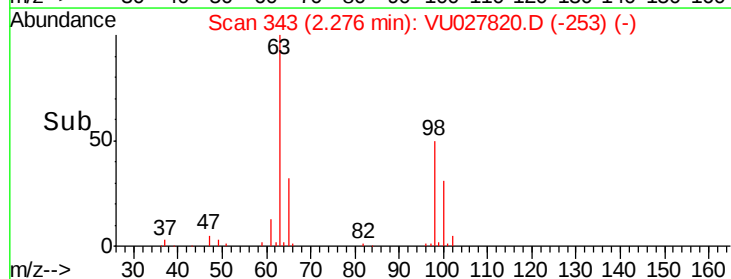
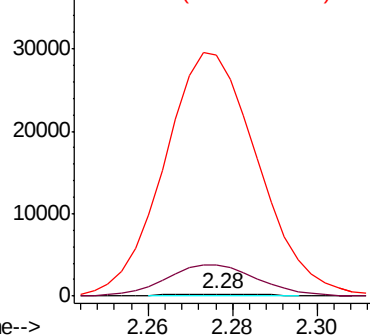
63 14302.0 109.8 204.0#

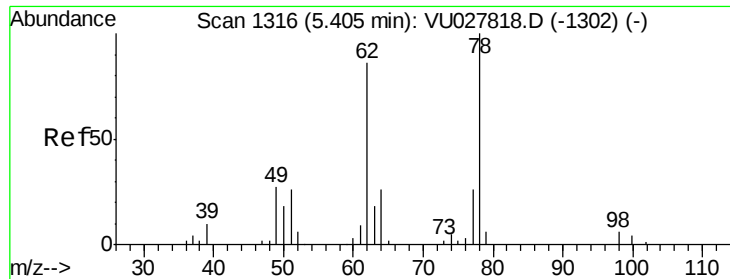


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#27

1,2-Dichloroethane

Concen: 0.808 ug/L

RT: 5.34 min Scan# 1297

Delta R.T. -0.06 min

Lab File: VU027820.D

Acq: 26 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

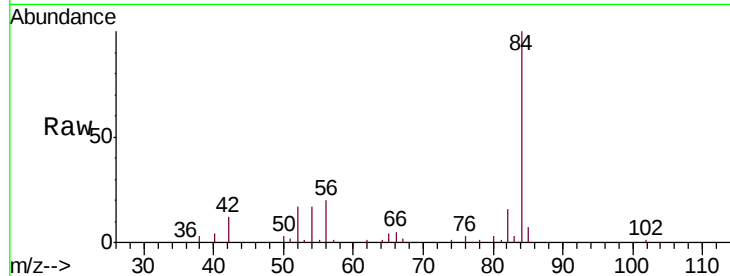
VBLK51

Tgt Ion: 62 Resp: 680

Ion Ratio Lower Upper

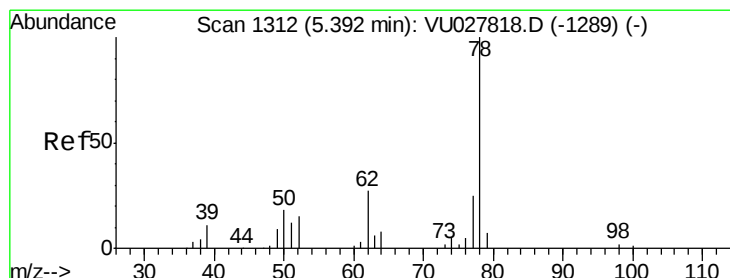
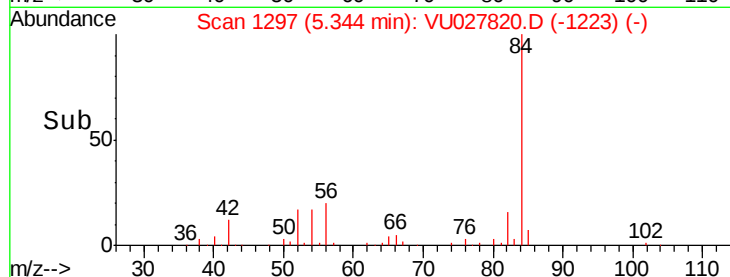
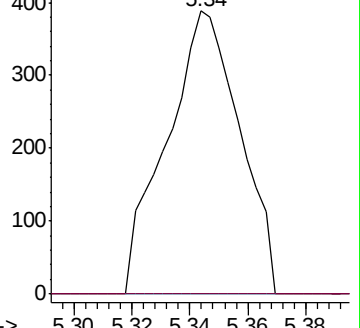
62 100

98 0.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 0.426 ug/L

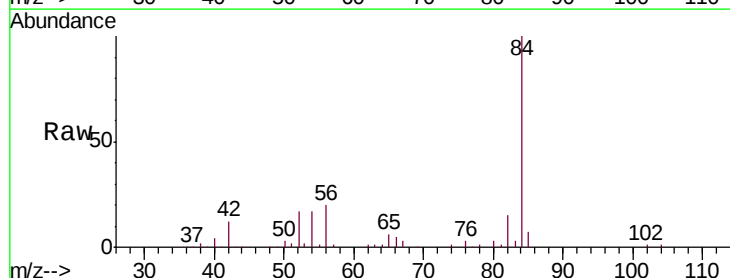
RT: 5.34 min Scan# 1296

Delta R.T. -0.05 min

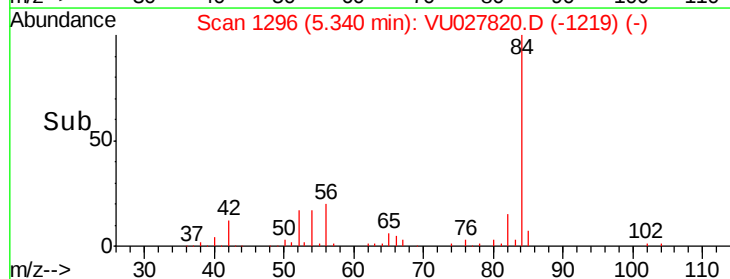
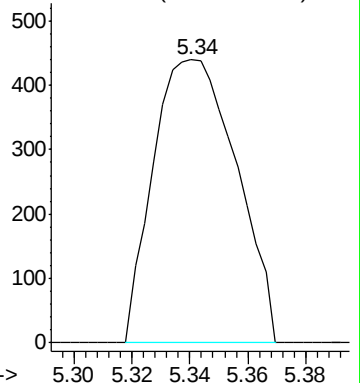
Lab File: VU027820.D

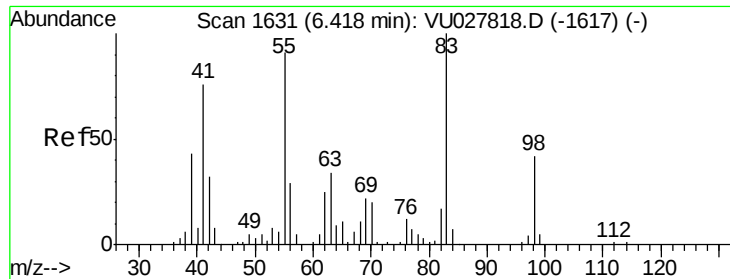
Acq: 26 Oct 2018 09:56

Tgt Ion: 78 Resp: 874



Abundance Ion 78.00 (77.70 to 78.70): VU0

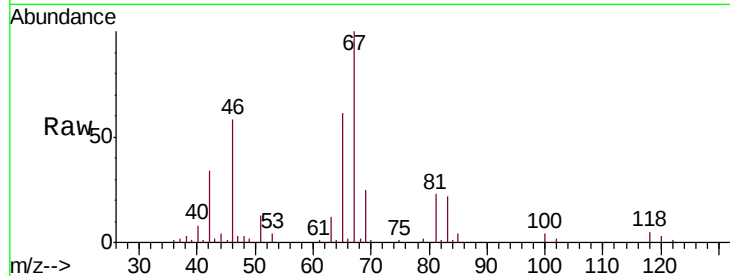




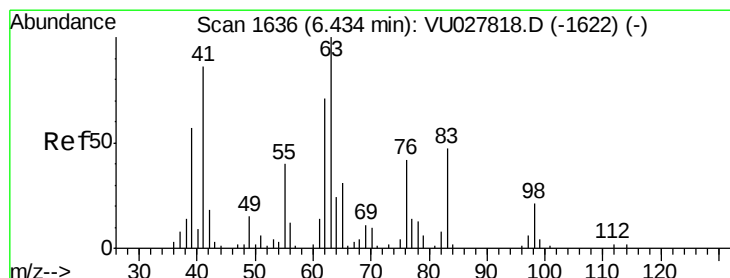
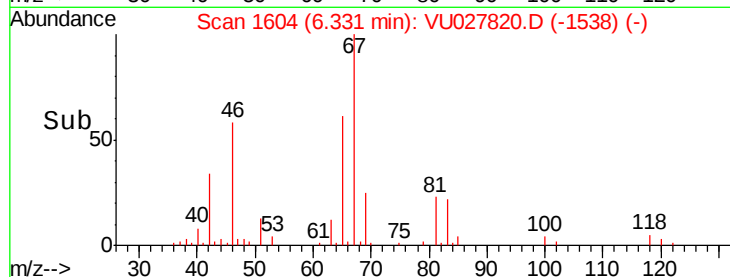
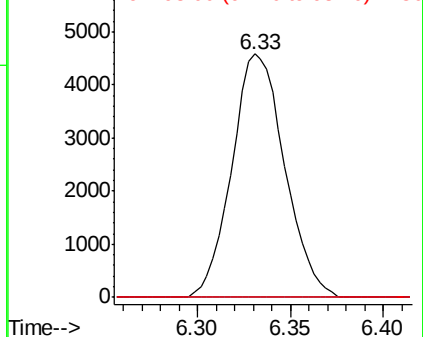
#35
Methylcyclohexane
Concen: 10.171 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU027820.D
Acq: 26 Oct 2018 09:56

Instrument :
MSVOA_U
ClientSampleId :
VBLK51

Tgt Ion: 83 Resp: 9043
Ion Ratio Lower Upper
83 100
55 0.0 71.9 107.9#
98 0.0 34.6 52.0#

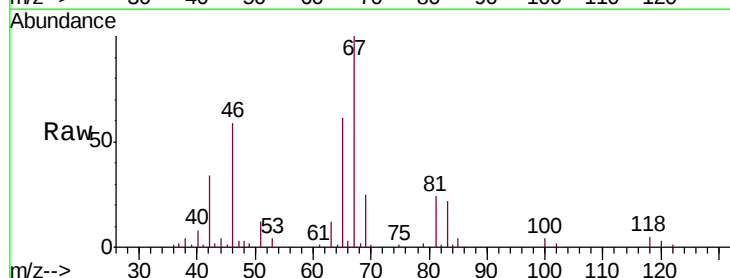


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

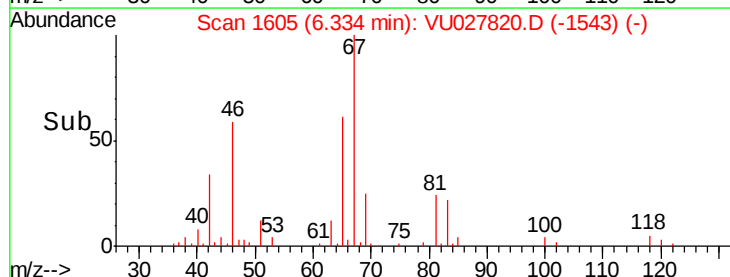
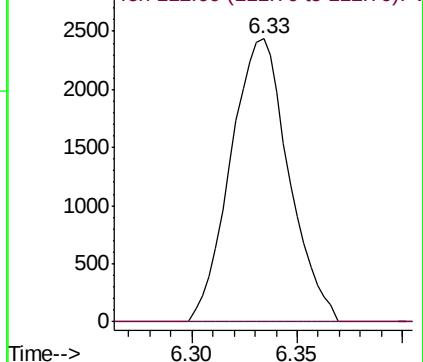


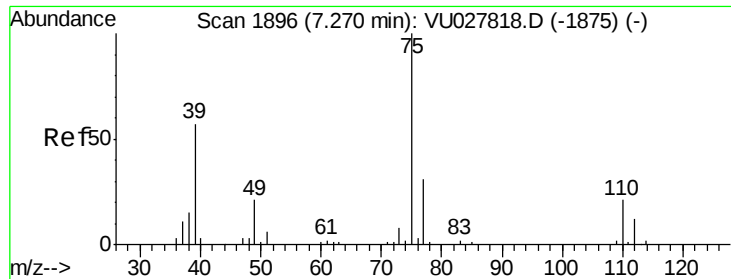
#37
1,2-Dichloropropane
Concen: 7.703 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU027820.D
Acq: 26 Oct 2018 09:56

Tgt Ion: 63 Resp: 4674
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

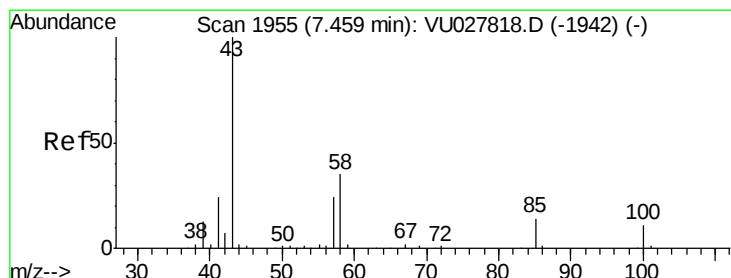
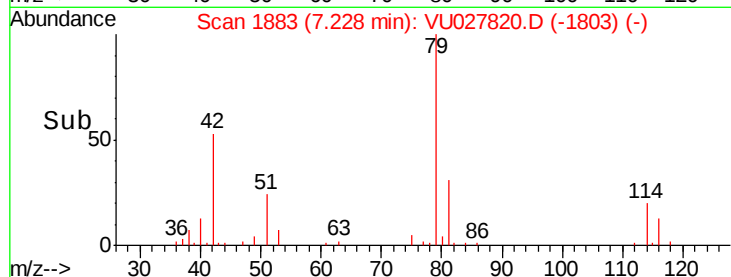
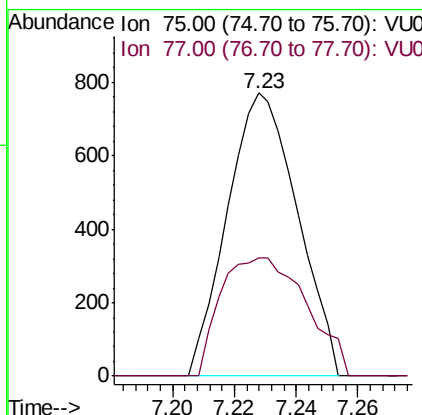
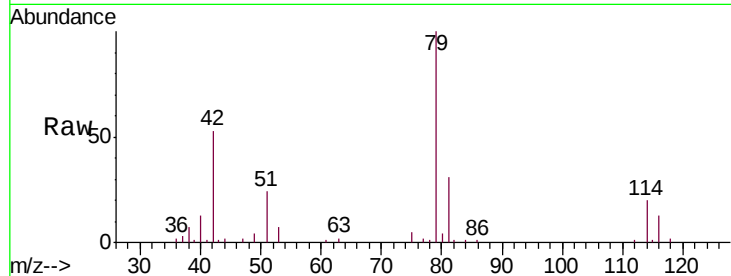




#39
 cis-1,3-Dichloropropene
 Concen: 1.299 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU027820.D
 Acq: 26 Oct 2018 09:56

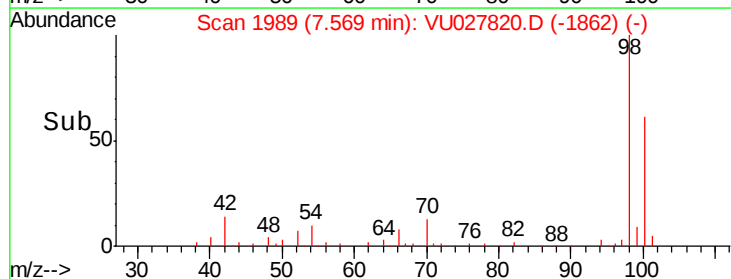
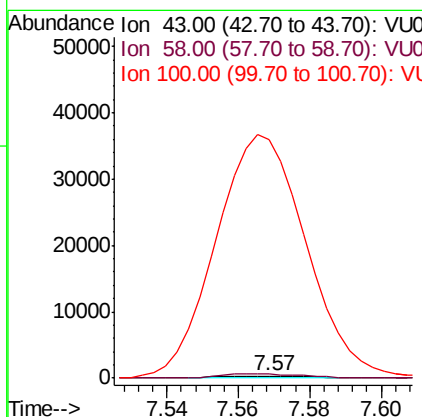
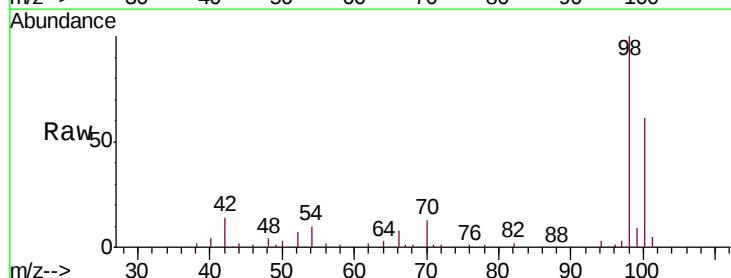
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK51

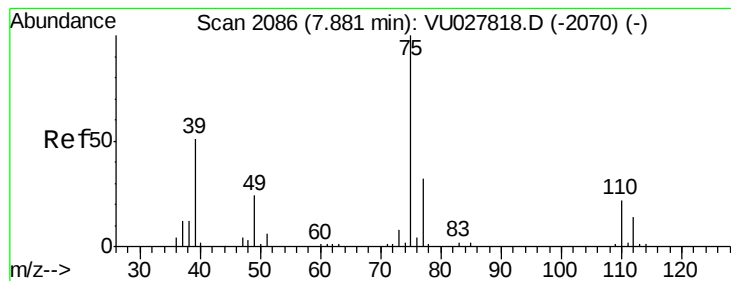
Tgt Ion: 75 Resp: 1214
 Ion Ratio Lower Upper
 75 100
 77 41.9 22.5 41.7#



#40
 4-Methyl-2-pentanone
 Concen: 0.552 ug/L
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU027820.D
 Acq: 26 Oct 2018 09:56

Tgt Ion: 43 Resp: 538
 Ion Ratio Lower Upper
 43 100
 58 183.8 28.3 42.5#
 100 12025.8 9.1 13.7#





#44

trans-1,3-Dichloropropene

Concen: 0.792 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU027820.D

Acq: 26 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

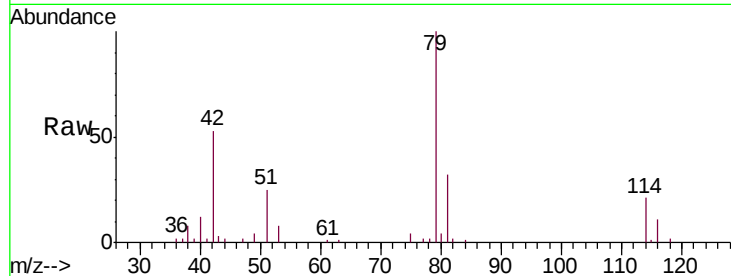
VBLK51

Tgt Ion: 75 Resp: 700

Ion Ratio Lower Upper

75 100

77 54.7 22.8 42.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

400

300

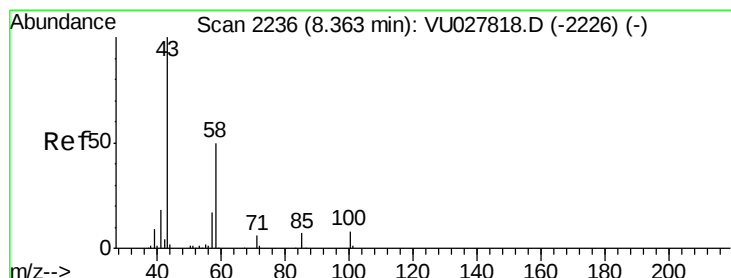
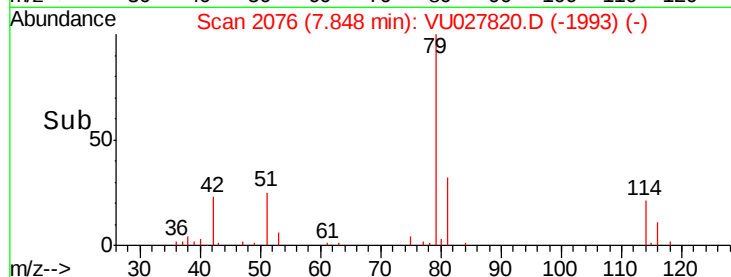
200

100

0

7.82 7.84 7.86 7.88

Time-->



#48

2-Hexanone

Concen: 6.843 ug/L

RT: 8.31 min Scan# 2220

Delta R.T. -0.05 min

Lab File: VU027820.D

Acq: 26 Oct 2018 09:56

Tgt Ion: 43 Resp: 5175

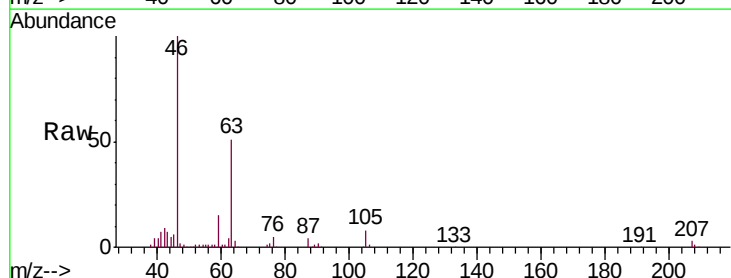
Ion Ratio Lower Upper

43 100

58 18.9 38.8 58.2#

57 20.3 13.1 19.7#

100 0.0 6.8 10.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

4000

3000

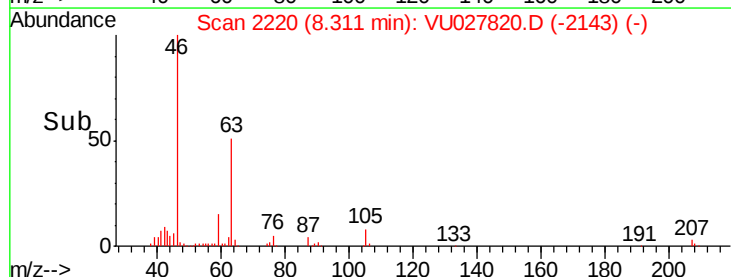
2000

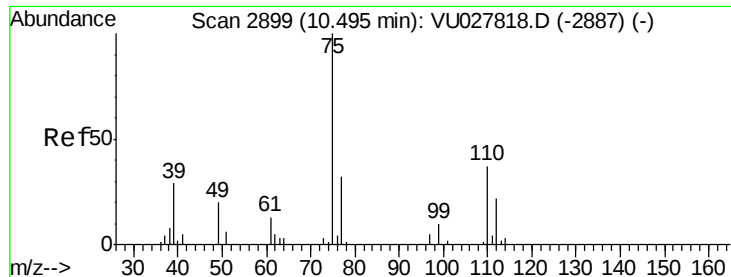
1000

0

8.25 8.30 8.35

Time-->





#59
 1,2,3-Trichloropropane
 Concen: 5.665 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU027820.D
 Acq: 26 Oct 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK51

Tgt Ion: 75 Resp: 4062
 Ion Ratio Lower Upper
 75 100
 77 38.6 26.5 39.7

