

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026323.D
 Acq On : 24 Aug 2018 00:52
 Operator : MD/SY
 Sample : J4622-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 03:48:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	299000	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	295865	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	154420	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85161	46.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.40%
7) Chloroethane-d5	1.68	69	69582	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.58%
11) 1,1-Dichloroethene-d2	2.27	63	124830	34.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.64%
21) 2-Butanone-d5	4.18	46	191126	131.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.31%#
24) Chloroform-d	4.65	84	193349	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
26) 1,2-Dichloroethane-d4	5.31	65	128893	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
32) Benzene-d6	5.35	84	370320	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
36) 1,2-Dichloropropane-d6	6.33	67	124923	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.32%
41) Toluene-d8	7.57	98	343701	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%
43) trans-1,3-Dichloropropene-	7.85	79	60658	46.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.40%
47) 2-Hexanone-d5	8.31	63	139785	128.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	192006	51.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	152714	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%

Target Compounds

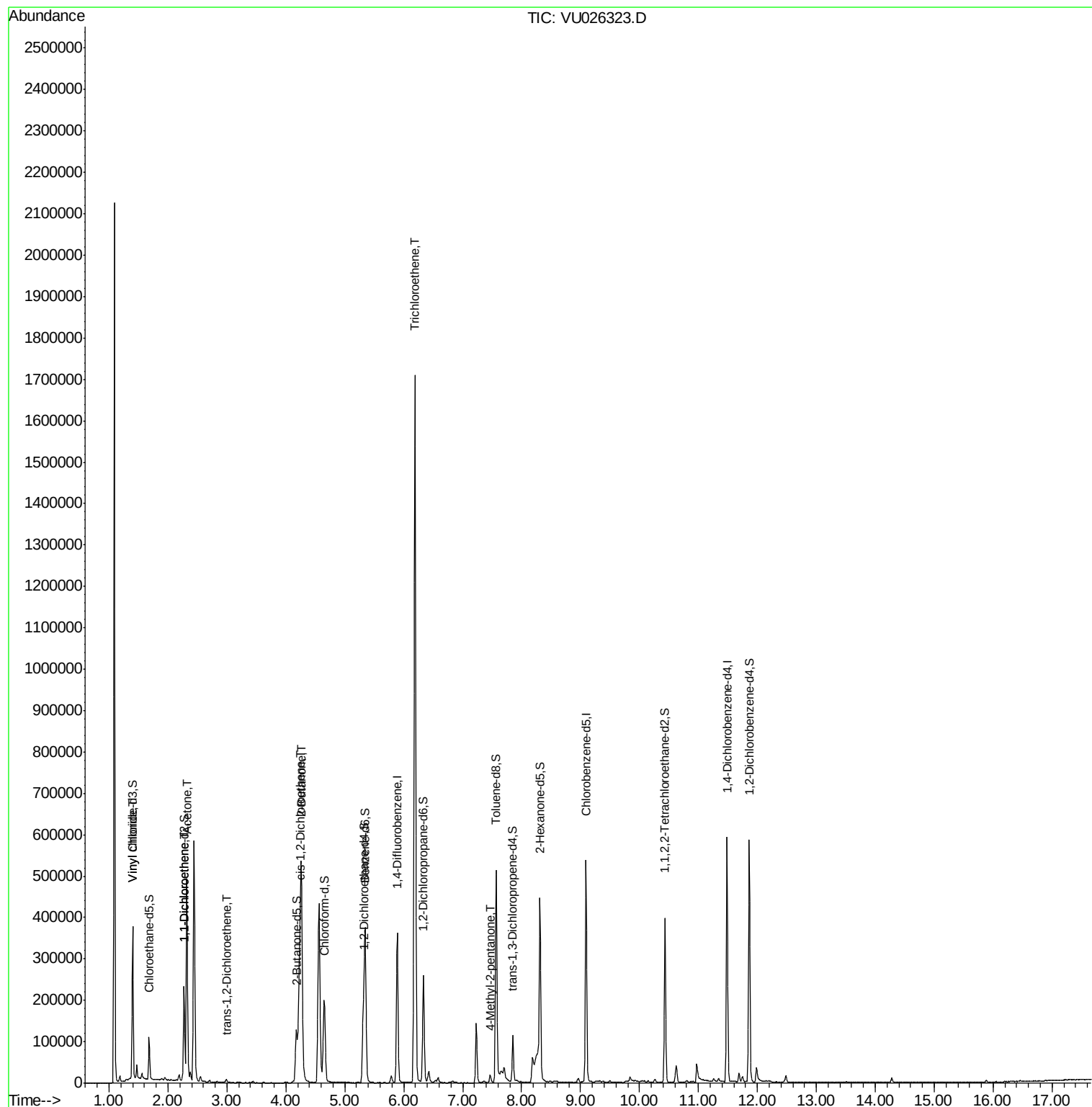
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	145901	66.899	ug/L	99
12) 1,1-Dichloroethene	2.28	96	1998	1.270	ug/L #	1
13) Acetone	2.32	43	487583	432.833	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	2832	1.460	ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	151750	70.875	ug/L	97
22) 2-Butanone	4.26	43	757246	502.437	ug/L	97
34) Trichloroethene	6.19	95	581717	272.734	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	11823	4.232	ug/L	96

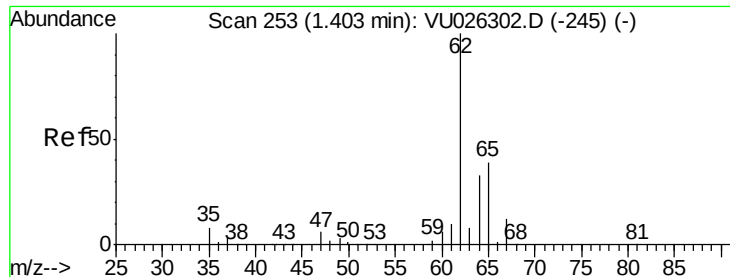
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 66.899 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026323.D

Acq: 24 Aug 2018 00:52

Instrument :

MSVOA_U

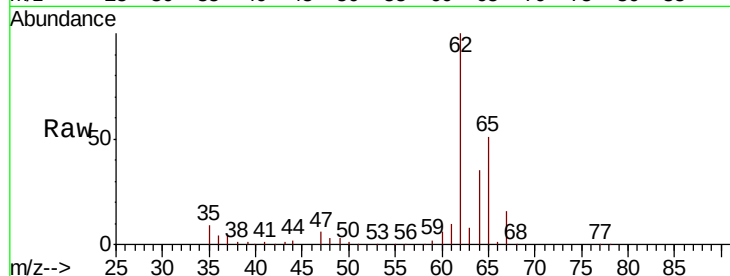
ClientSampleId :

Tot Ion: 62 Resp: 145901

Ion Ratio Lower Upper

62 100

64 34.9 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

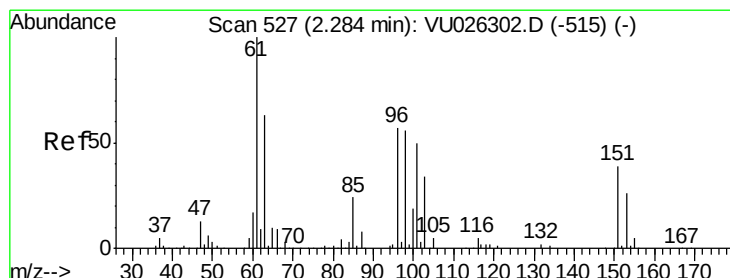
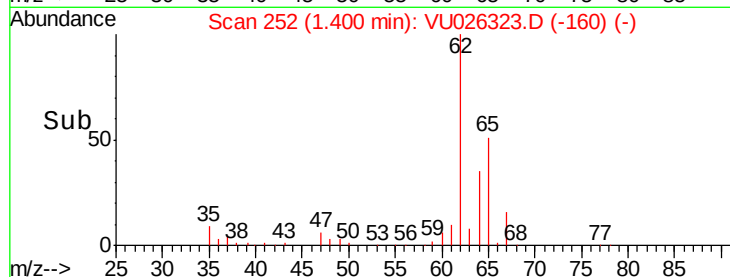
100000

50000

0

1.35 1.40 1.45

Time-->



#12

1,1-Dichloroethene

Concen: 1.270 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU026323.D

Acq: 24 Aug 2018 00:52

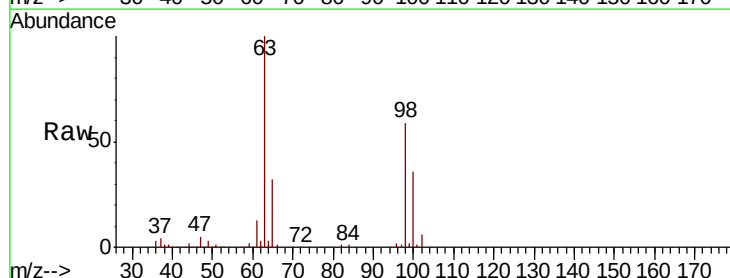
Tgt Ion: 96 Resp: 1998

Ion Ratio Lower Upper

96 100

61 756.5 124.7 231.5#

63 5767.0 93.7 174.1#



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

100000

80000

60000

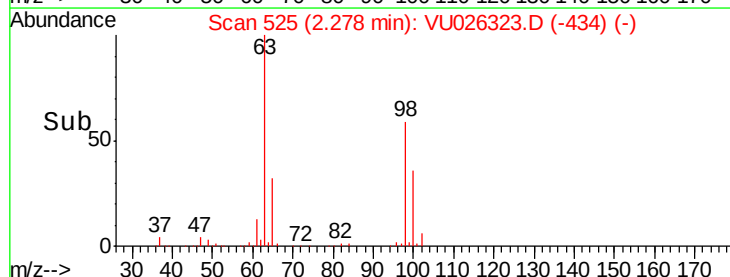
40000

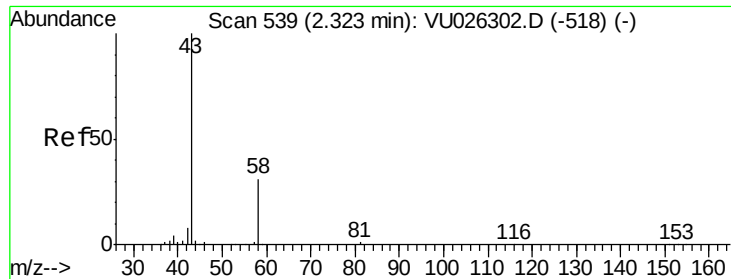
20000

0

2.25 2.28 2.30

Time-->





#13

Acetone

Concen: 432.833 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026323.D

Acq: 24 Aug 2018 00:52

Instrument :

MSVOA_U

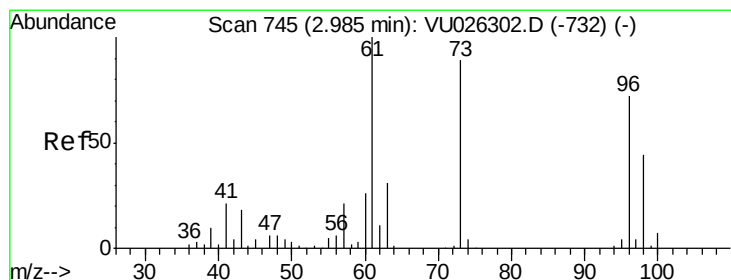
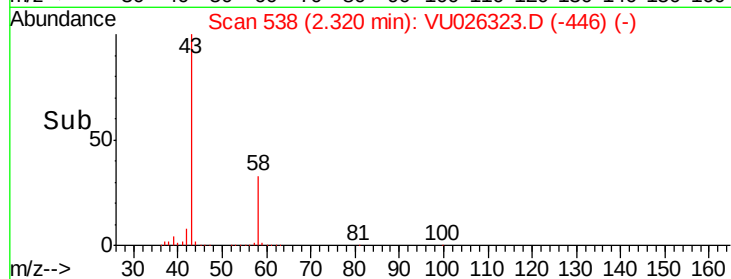
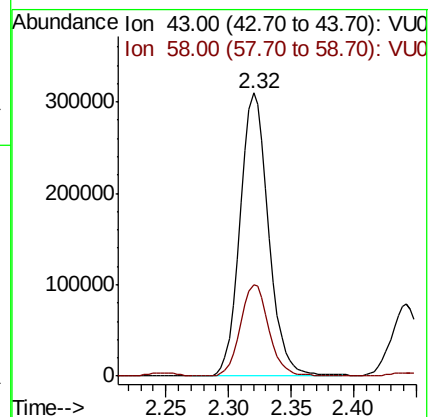
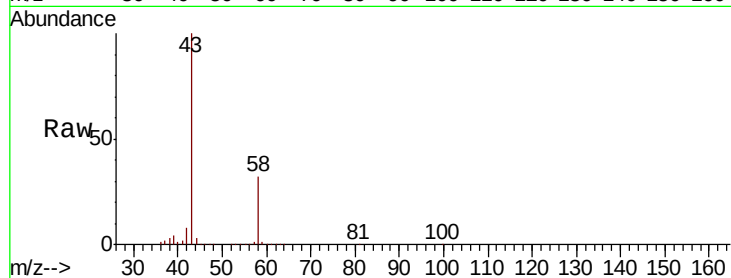
ClientSampleId :

Tot Ion: 43 Resp: 487583

Ion Ratio Lower Upper

43 100

58 32.2 0.0 61.2



#17

trans-1,2-Dichloroethene

Concen: 1.460 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026323.D

Acq: 24 Aug 2018 00:52

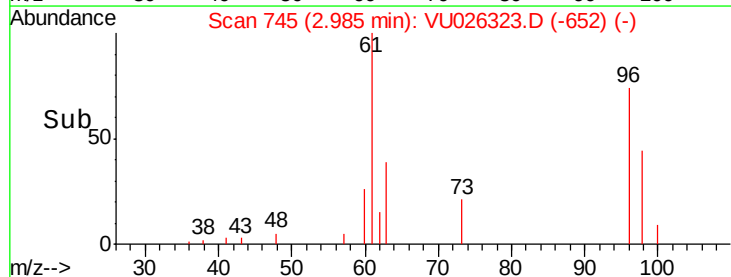
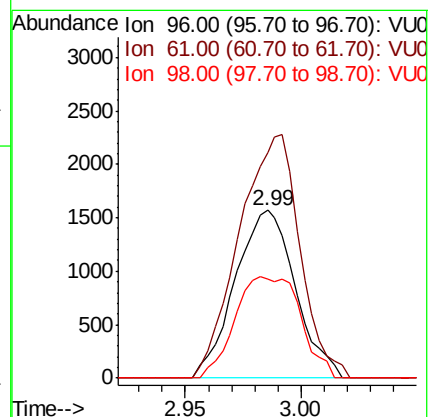
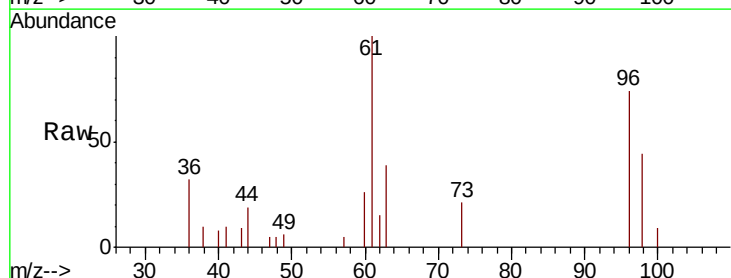
Tgt Ion: 96 Resp: 2832

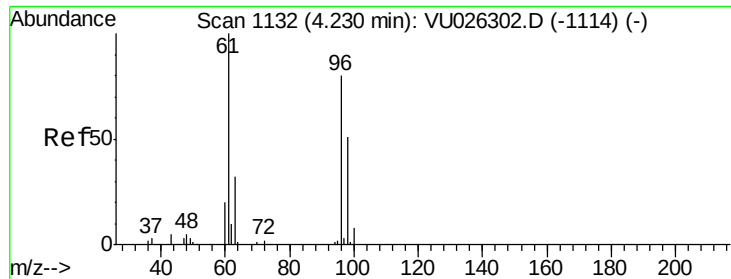
Ion Ratio Lower Upper

96 100

61 134.5 97.9 181.9

98 59.2 45.1 83.7

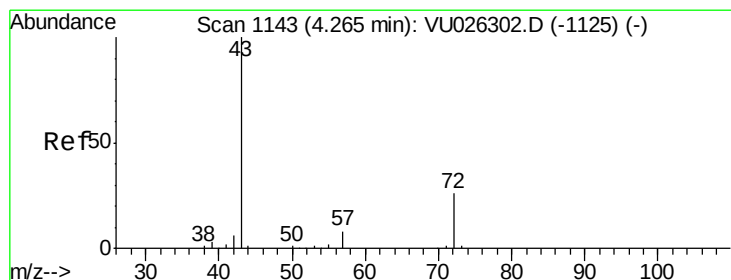
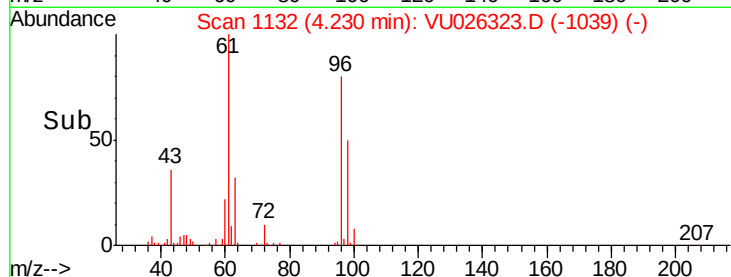
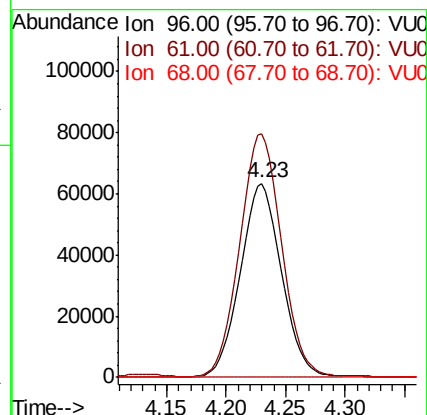
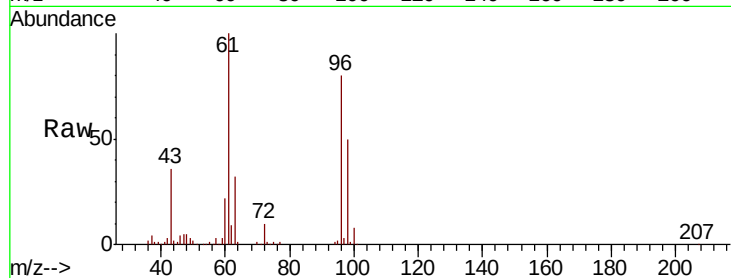




#20
 cis-1,2-Dichloroethene
 Concen: 70.875 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026323.D
 Acq: 24 Aug 2018 00:52

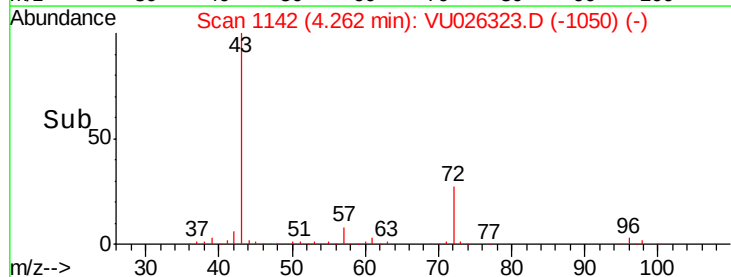
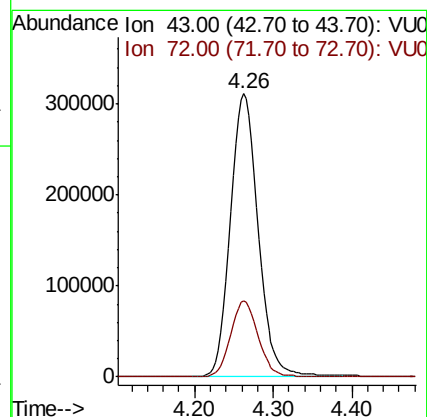
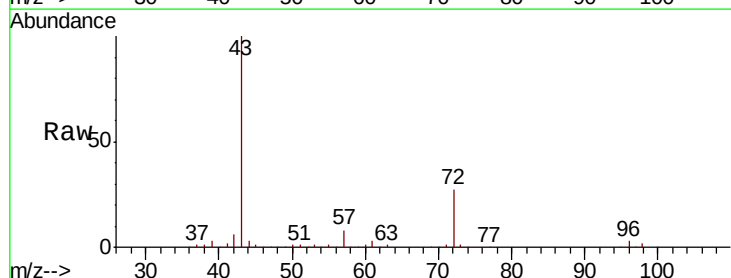
Instrument :
 MSVOA_U
 ClientSampled :

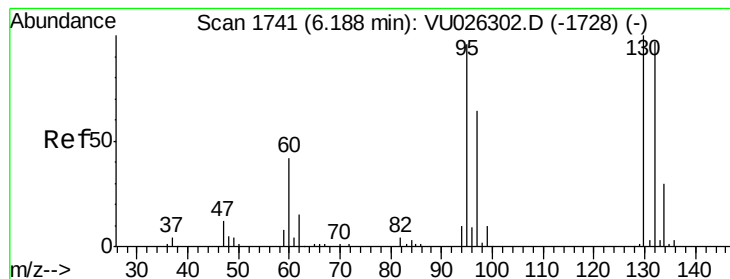
Tot Ion: 96 Resp: 151750
 Ion Ratio Lower Upper
 96 100
 61 125.4 90.3 167.7
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 502.437 ug/L
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU026323.D
 Acq: 24 Aug 2018 00:52

Tgt Ion: 43 Resp: 757246
 Ion Ratio Lower Upper
 43 100
 72 26.7 14.1 42.3





#34

Trichloroethene

Concen: 272.734 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026323.D

Acq: 24 Aug 2018 00:52

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 581717

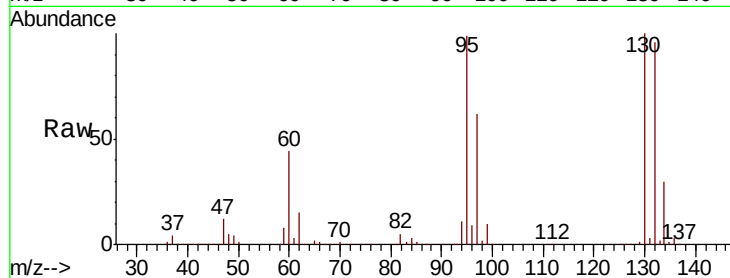
Ion Ratio Lower Upper

95 100

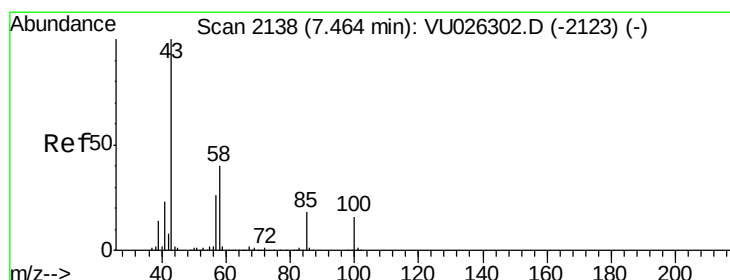
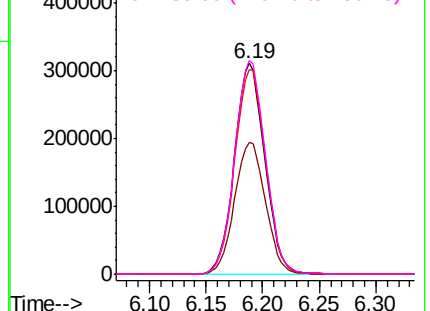
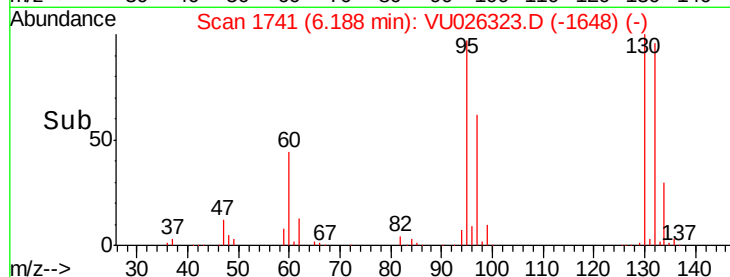
97 62.9 47.2 87.6

132 97.5 70.2 130.4

130 101.4 73.4 136.4



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



#40

4-Methyl-2-pentanone

Concen: 4.232 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU026323.D

Acq: 24 Aug 2018 00:52

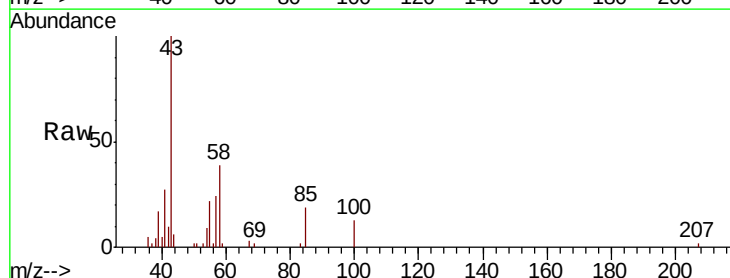
Tgt Ion: 43 Resp: 11823

Ion Ratio Lower Upper

43 100

58 37.4 31.6 47.4

100 12.4 12.3 18.5



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): VU

