

Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETBQ8

Quant Time: Oct 27 01:46:46 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	110480	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	103187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48886	50.00	ug/L	0.00

System Monitoring Compounds

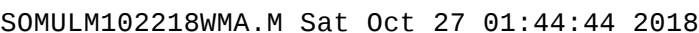
4) Vinyl Chloride-d3	1.40	65	30866	35.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.82%
7) Chloroethane-d5	1.68	69	26323	39.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.54%
11) 1,1-Dichloroethene-d2	2.27	63	46431	29.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.98%#
21) 2-Butanone-d5	4.18	46	72520	99.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.00%
24) Chloroform-d	4.65	84	67051	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.78%
26) 1,2-Dichloroethane-d4	5.31	65	47674	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
32) Benzene-d6	5.34	84	124269	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.58%
36) 1,2-Dichloropropane-d6	6.33	67	47527	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.60%
41) Toluene-d8	7.57	98	115057	42.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.90%
43) trans-1,3-Dichloropropene-	7.85	79	21480	42.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.32%
47) 2-Hexanone-d5	8.31	63	53424	99.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	62668	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	44953	44.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.78%

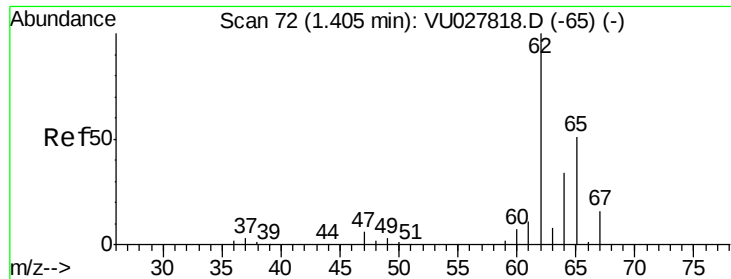
Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	4686	4.697 ug/L #	1
13) Acetone	2.32	43	5725	11.220 ug/L	95
17) trans-1,2-Dichloroethene	2.99	96	2263	3.323 ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	68072	84.497 ug/L	98
27) 1,2-Dichloroethane	5.35	62	648	0.521 ug/L #	78
34) Trichloroethene	6.19	95	116931	152.158 ug/L	99
37) 1,2-Dichloropropane	6.33	63	4834	5.330 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1227	0.879 ug/L #	70
40) 4-Methyl-2-pentanone	7.47	43	819	0.562 ug/L #	78
45) 1,1,2-Trichloroethane	8.18	97	339	0.452 ug/L #	14
53) m,p-Xylene	9.37	106	734	0.559 ug/L	65
59) 1,2,3-Trichloropropane	11.48	75	6336	5.911 ug/L	95
69) Naphthalene	13.75	128	10598	3.260 ug/L #	93

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

Quant Time: Oct 27 01:46:46 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





#5

Vinyl chloride

Concen: 4.697 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027833.D

Acq: 26 Oct 2018 15:05

Instrument :

MSVOA_U

ClientSampleId :

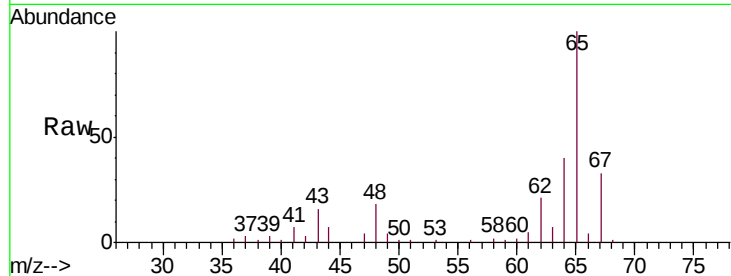
ETBQ8

Tgt Ion: 62 Resp: 4686

Ion Ratio Lower Upper

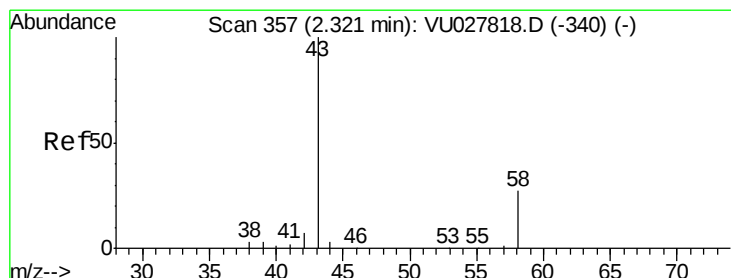
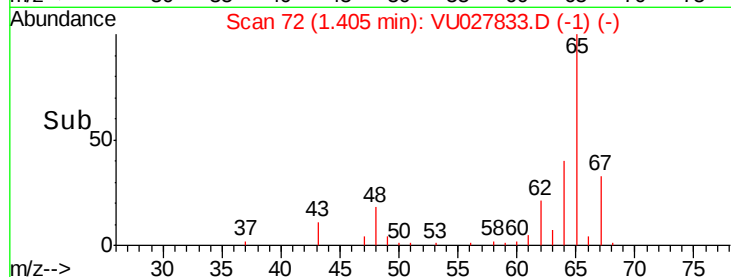
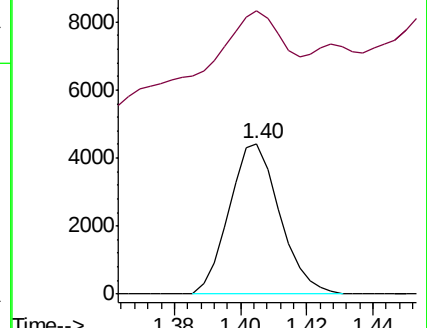
62 100

64 188.2 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 11.220 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027833.D

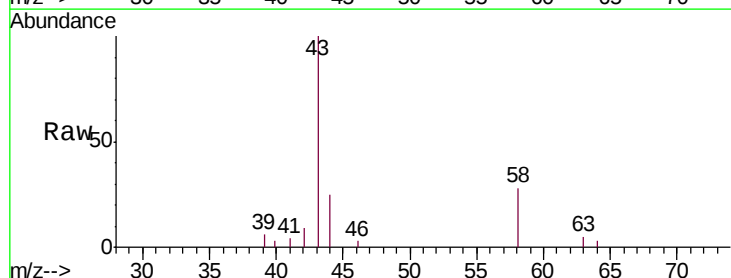
Acq: 26 Oct 2018 15:05

Tgt Ion: 43 Resp: 5725

Ion Ratio Lower Upper

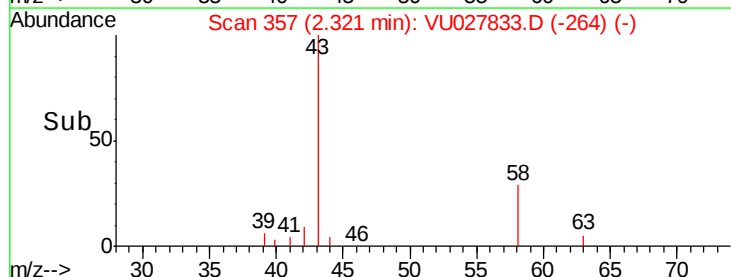
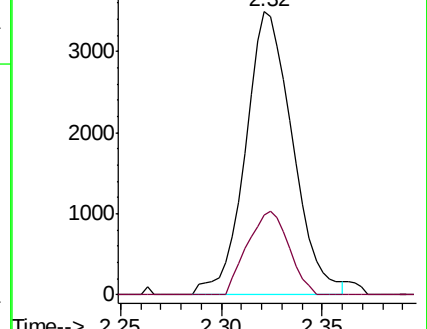
43 100

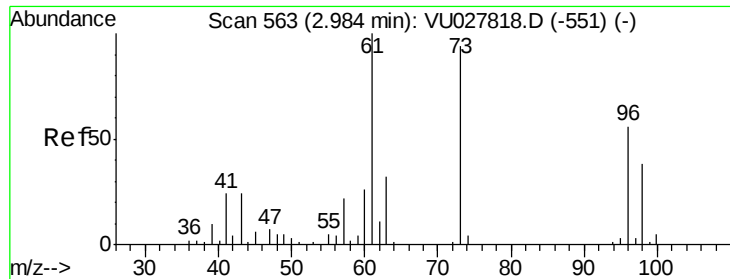
58 26.0 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

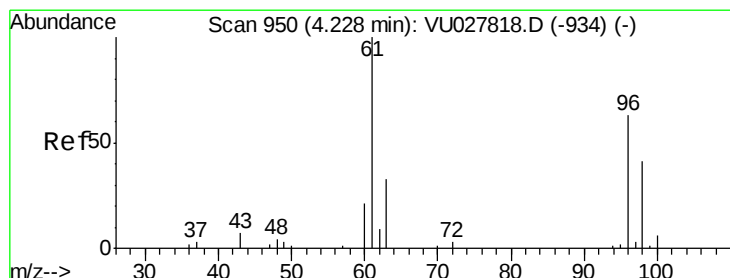
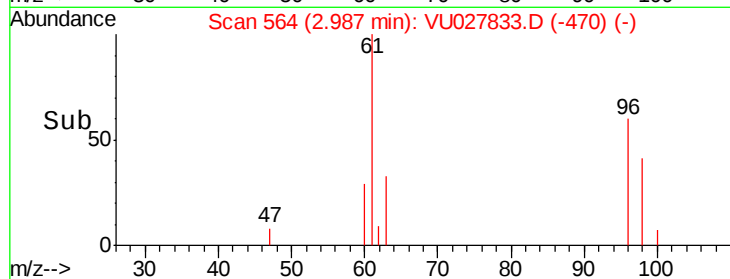
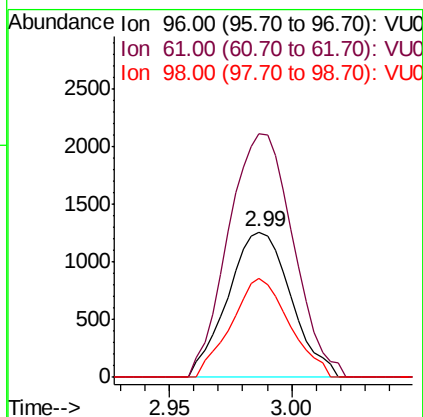
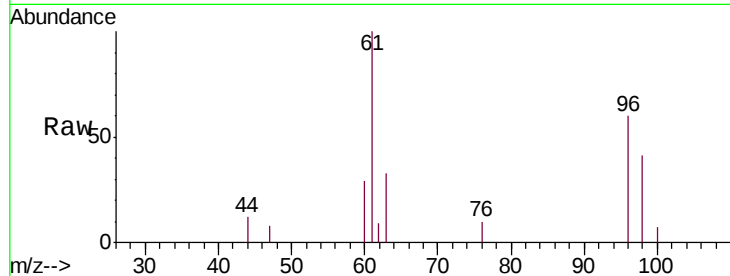




#17
 trans-1,2-Dichloroethene
 Concen: 3.323 ug/L
 RT: 2.99 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VU027833.D
 Acq: 26 Oct 2018 15:05

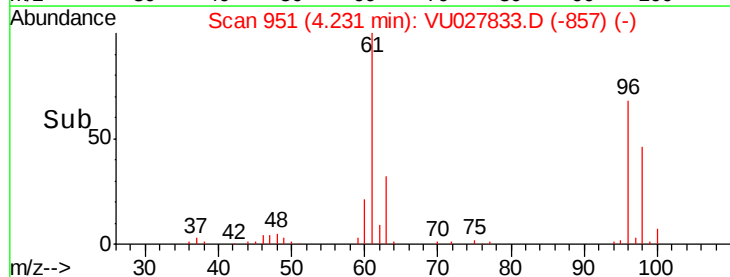
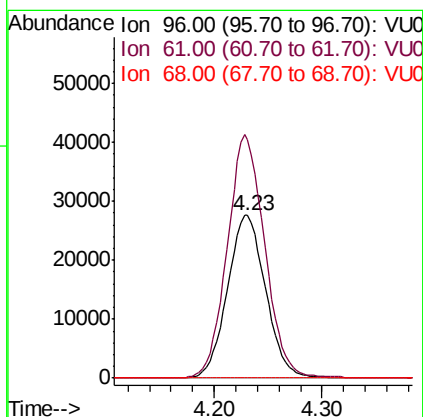
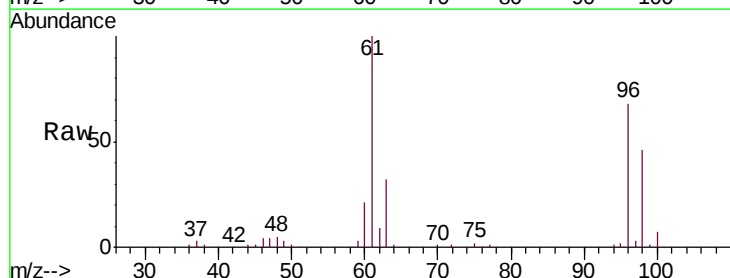
Instrument :
 MSVOA_U
 ClientSampleId :
 ETBQ8

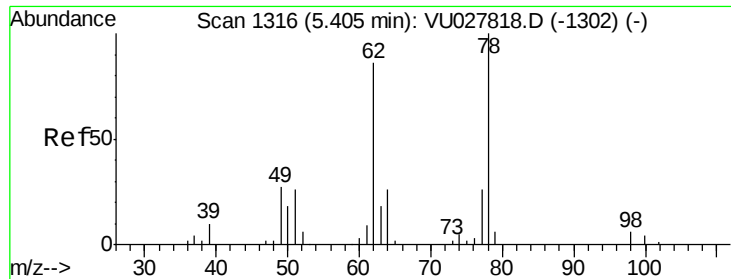
Tgt Ion: 96 Resp: 2263
 Ion Ratio Lower Upper
 96 100
 61 167.6 114.7 212.9
 98 67.9 42.2 78.4



#20
 cis-1,2-Dichloroethene
 Concen: 84.497 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027833.D
 Acq: 26 Oct 2018 15:05

Tgt Ion: 96 Resp: 68072
 Ion Ratio Lower Upper
 96 100
 61 146.1 104.2 193.4
 68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.521 ug/L

RT: 5.35 min Scan# 1300

Delta R.T. -0.05 min

Lab File: VU027833.D

Acq: 26 Oct 2018 15:05

Instrument :

MSVOA_U

ClientSampleId :

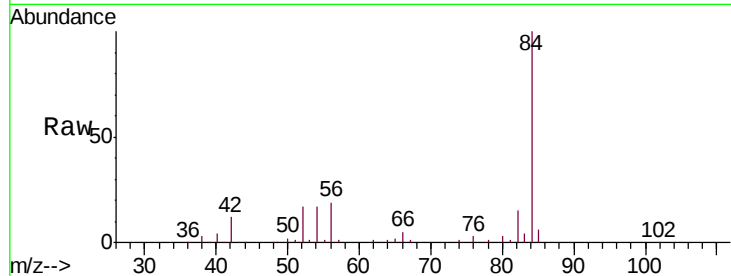
ETBQ8

Tgt Ion: 62 Resp: 648

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

5.35

300

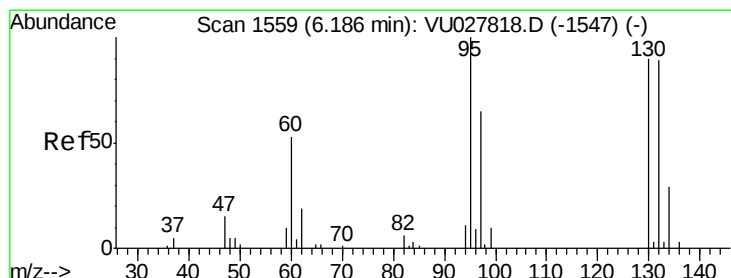
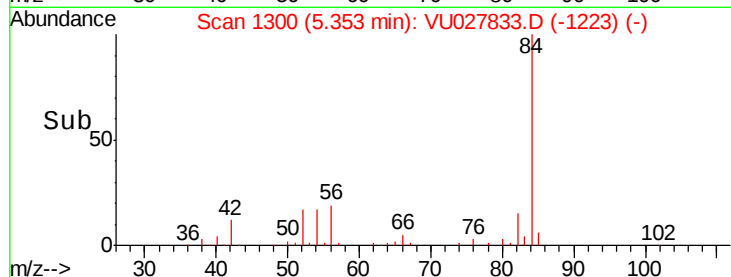
200

100

0

5.30 5.32 5.34 5.36 5.38

Time-->



#34

Trichloroethene

Concen: 152.158 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027833.D

Acq: 26 Oct 2018 15:05

Tgt Ion: 95 Resp: 116931

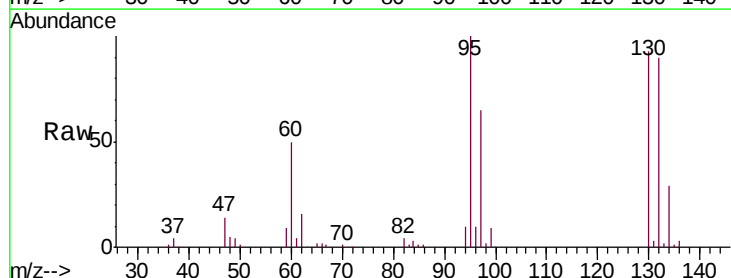
Ion Ratio Lower Upper

95 100

97 64.5 45.8 85.2

132 90.2 62.1 115.3

130 93.2 65.0 120.6



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

80000

60000

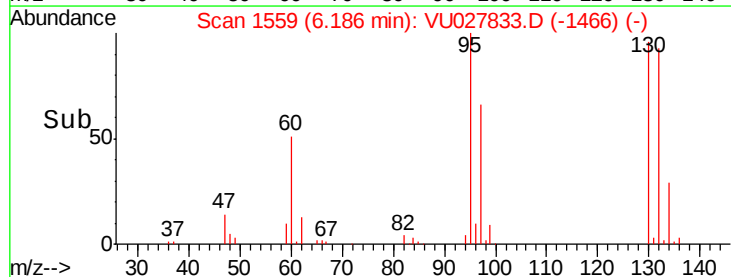
40000

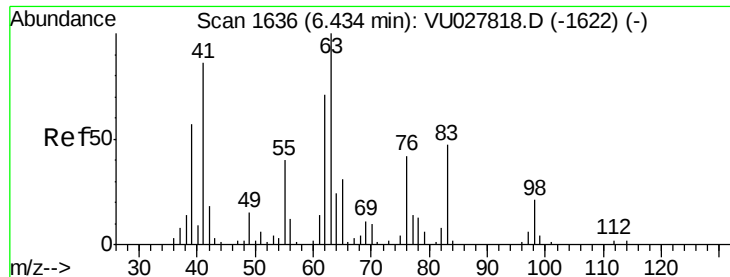
20000

0

6.10 6.15 6.20 6.25 6.30

Time-->

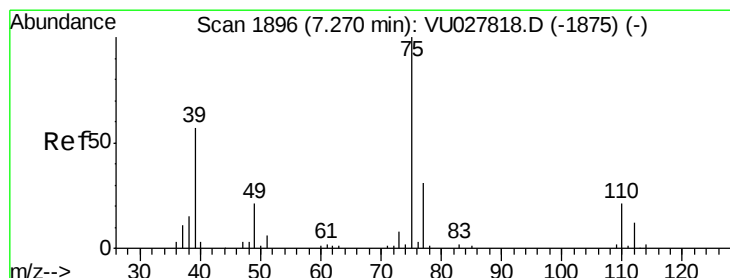
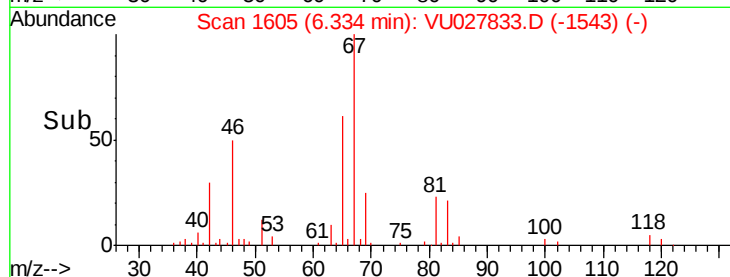
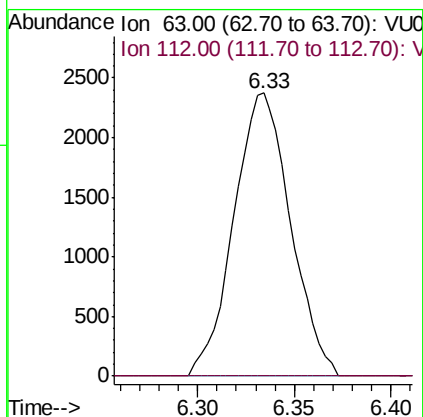
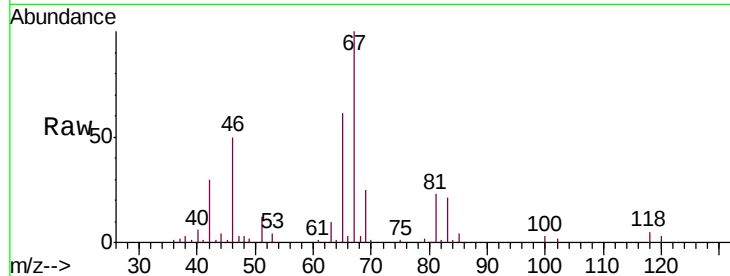




#37
 1,2-Dichloropropane
 Concen: 5.330 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU027833.D
 Acq: 26 Oct 2018 15:05

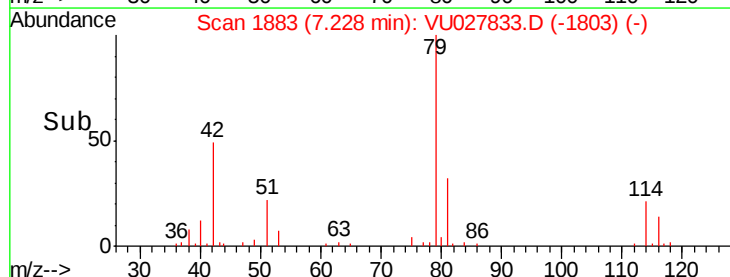
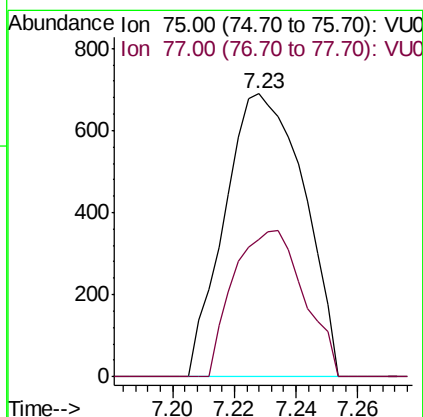
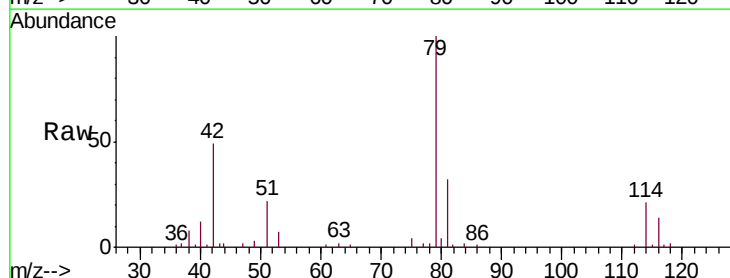
Instrument :
 MSVOA_U
 ClientSampled :
 ETBQ8

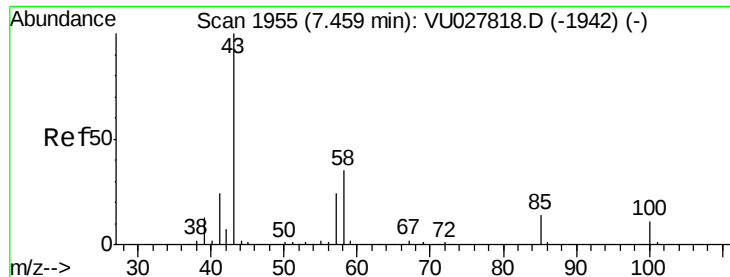
Tgt Ion: 63 Resp: 4834
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.879 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU027833.D
 Acq: 26 Oct 2018 15:05

Tgt Ion: 75 Resp: 1227
 Ion Ratio Lower Upper
 75 100
 77 48.8 22.5 41.7#





#40

4-Methyl-2-pentanone

Concen: 0.562 ug/L

RT: 7.47 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VU027833.D

Acq: 26 Oct 2018 15:05

Instrument :

MSVOA_U

ClientSampleId :

ETBQ8

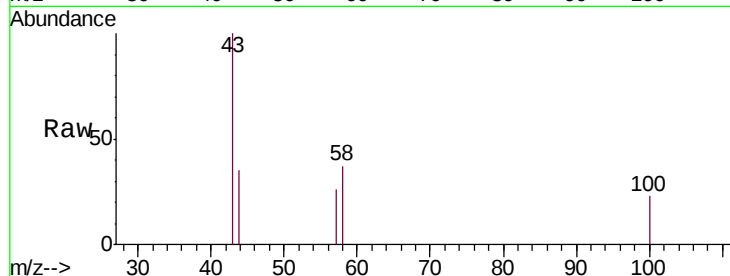
Tgt Ion: 43 Resp: 819

Ion Ratio Lower Upper

43 100

58 21.5 28.3 42.5#

100 5.0 9.1 13.7#

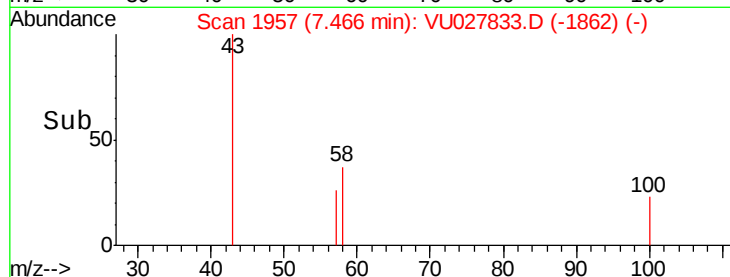


Abundance Ion 43.00 (42.70 to 43.70): VU027818.D (-1942) (-)

Ion 58.00 (57.70 to 58.70): VU027818.D (-1942) (-)

Ion 100.00 (99.70 to 100.70): VU027818.D (-1942) (-)

Time-->



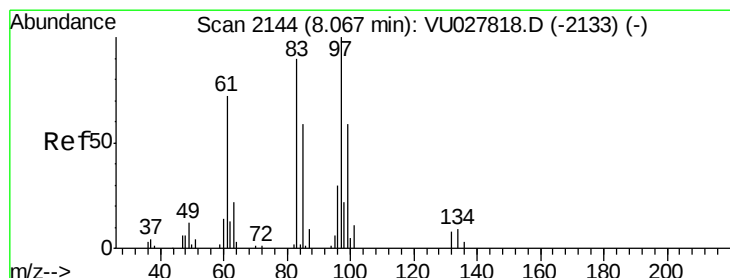
Abundance

Ion 43.00 (42.70 to 43.70): VU027833.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU027833.D (-1862) (-)

Ion 100.00 (99.70 to 100.70): VU027833.D (-1862) (-)

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.452 ug/L

RT: 8.18 min Scan# 2179

Delta R.T. 0.11 min

Lab File: VU027833.D

Acq: 26 Oct 2018 15:05

Tgt Ion: 97 Resp: 339

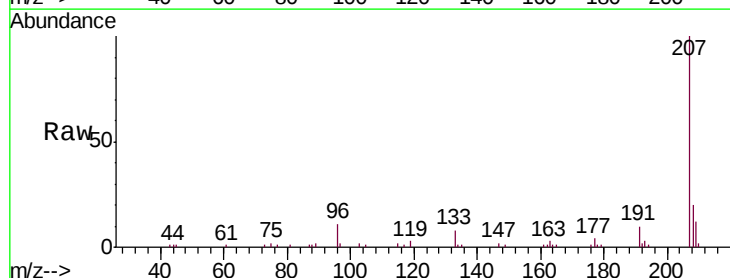
Ion Ratio Lower Upper

97 100

99 0.0 42.6 79.2#

83 0.0 62.4 115.8#

85 0.0 41.6 77.2#



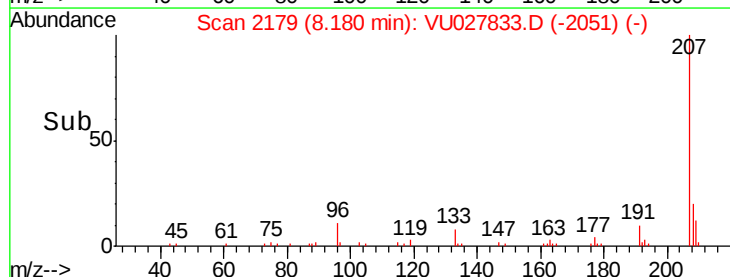
Abundance Ion 97.00 (96.70 to 97.70): VU027818.D (-2133) (-)

Ion 99.00 (98.70 to 99.70): VU027818.D (-2133) (-)

Ion 83.00 (82.70 to 83.70): VU027818.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027818.D (-2133) (-)

Time-->



Abundance

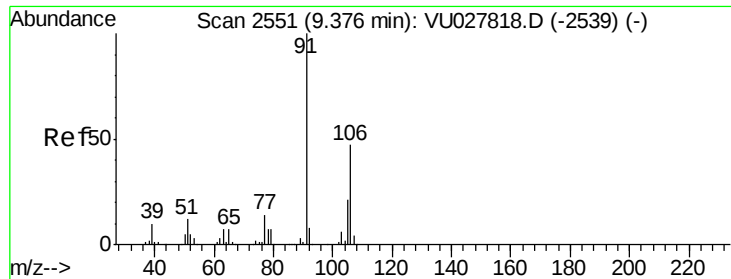
Ion 97.00 (96.70 to 97.70): VU027833.D (-2051) (-)

Ion 99.00 (98.70 to 99.70): VU027833.D (-2051) (-)

Ion 83.00 (82.70 to 83.70): VU027833.D (-2051) (-)

Ion 85.00 (84.70 to 85.70): VU027833.D (-2051) (-)

Time-->



#53

m,p-Xylene

Concen: 0.559 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU027833.D

Acq: 26 Oct 2018 15:05

Instrument :

MSVOA_U

ClientSampleId :

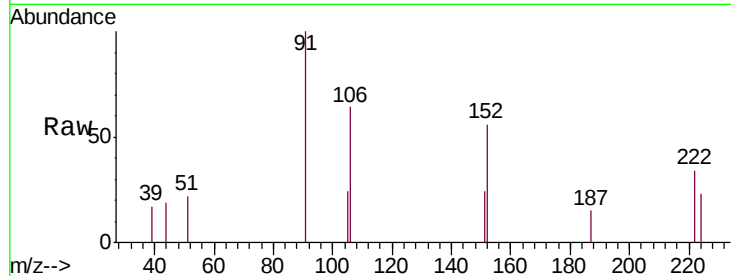
ETBQ8

Tgt Ion:106 Resp: 734

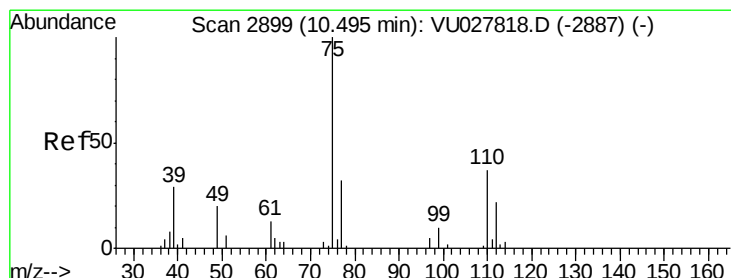
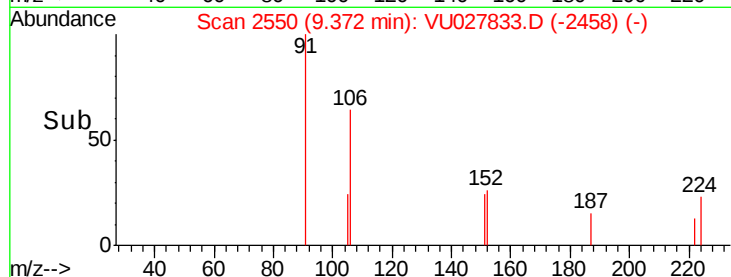
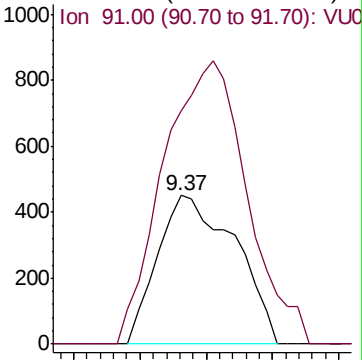
Ion Ratio Lower Upper

106 100

91 156.8 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027818.D (-2539) (-)



#59

1,2,3-Trichloropropane

Concen: 5.911 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU027833.D

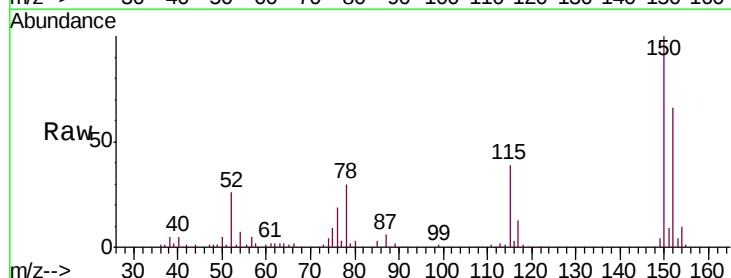
Acq: 26 Oct 2018 15:05

Tgt Ion: 75 Resp: 6336

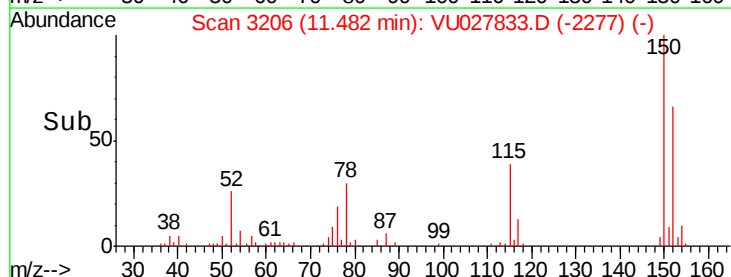
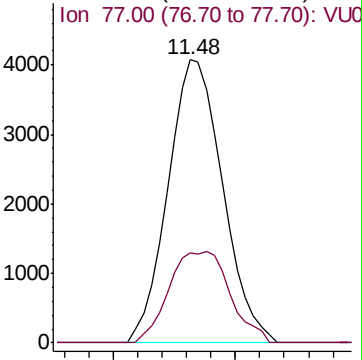
Ion Ratio Lower Upper

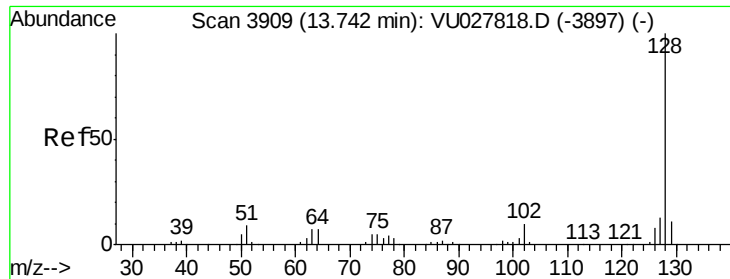
75 100

77 35.9 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU027818.D (-2887) (-)





#69

Naphthalene

Concen: 3.260 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027833.D

Acq: 26 Oct 2018 15:05

Instrument :

MSVOA_U

ClientSampleId :

ETBQ8

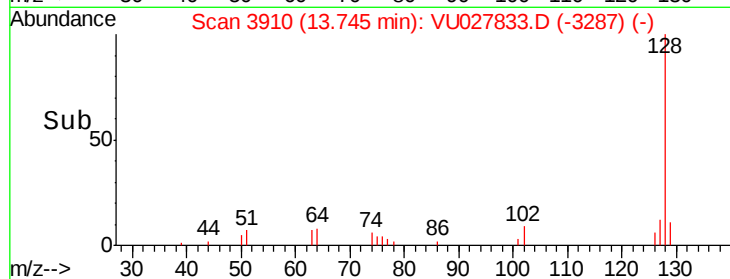
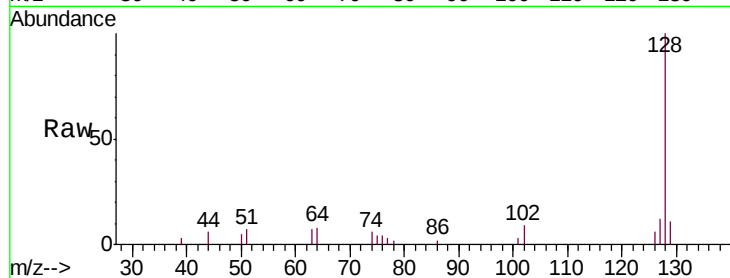
Tgt Ion:128 Resp: 10598

Ion Ratio Lower Upper

128 100

127 10.8 10.9 16.3#

129 8.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

