

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026012.D
 Acq On : 09 Aug 2018 22:04
 Operator : MD/SY
 Sample : J4361-15DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 07:42:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	278233	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	271341	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	131808	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76280	37.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.02%
7) Chloroethane-d5	1.65	69	64703	40.13	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.26%
11) 1,1-Dichloroethene-d2	2.26	63	113605	29.40	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.80%#
21) 2-Butanone-d5	4.18	46	151230	89.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.22%
24) Chloroform-d	4.64	84	183607	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.14%
26) 1,2-Dichloroethane-d4	5.31	65	127726	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.68%
32) Benzene-d6	5.34	84	349198	41.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.88%
36) 1,2-Dichloropropane-d6	6.33	67	114776	42.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.20%
41) Toluene-d8	7.57	98	317733	39.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.84%#
43) trans-1,3-Dichloropropene-	7.85	79	55323	40.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.56%
47) 2-Hexanone-d5	8.32	63	115360	93.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.16%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	183817	46.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	143191	44.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.14%

Target Compounds

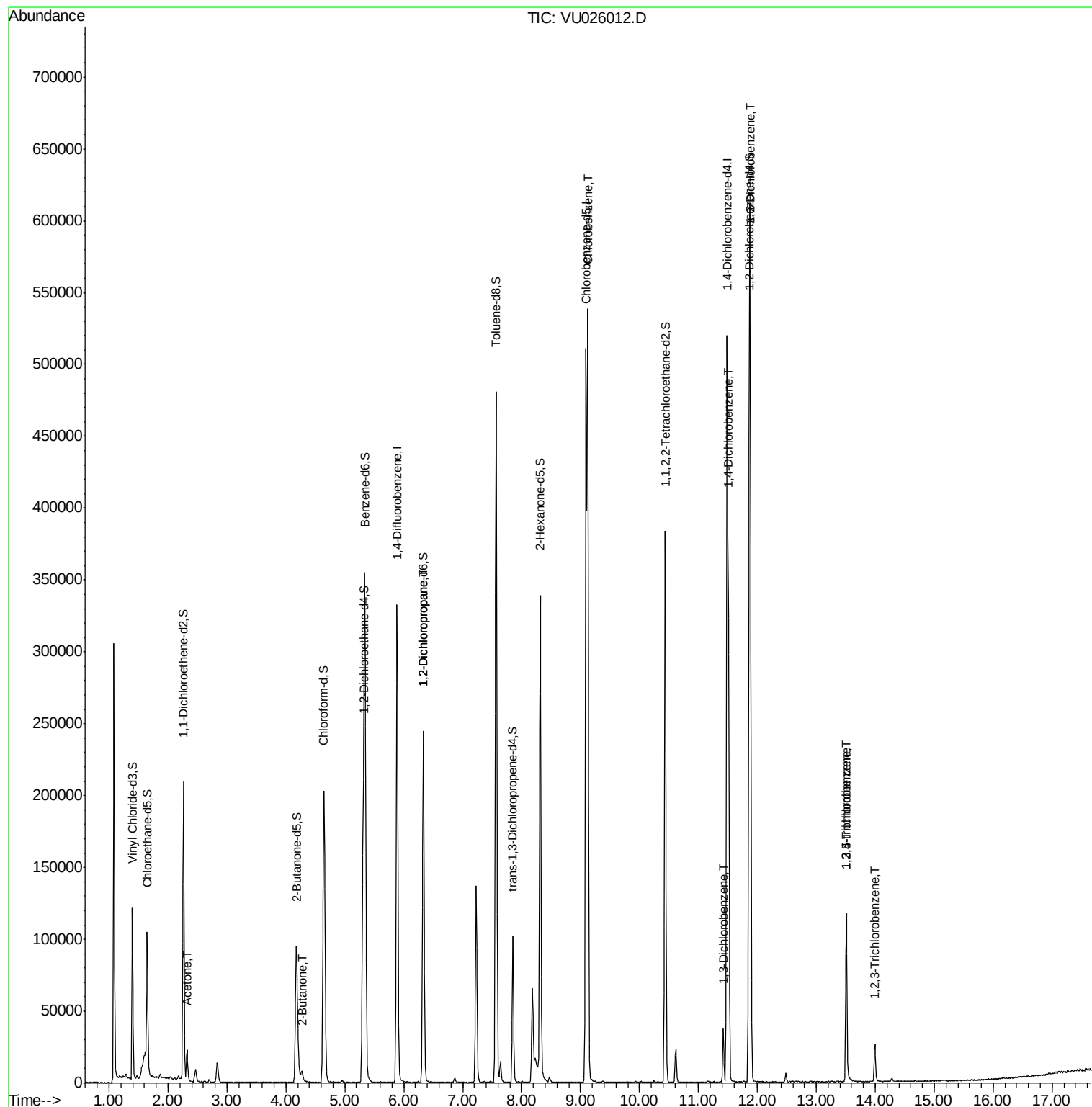
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	20098	19.087	ug/L	99
22) 2-Butanone	4.27	43	10054	6.599	ug/L	95
37) 1,2-Dichloropropane	6.33	63	13247	6.264	ug/L #	88
51) Chlorobenzene	9.12	112	276406	49.974	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	15268	3.721	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	109833	25.533	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	129182	29.576	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	38415	12.526	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	38415	14.812	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	9873	3.542	ug/L	96

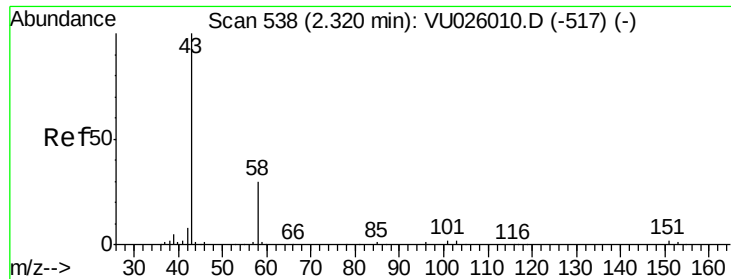
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 10 07:39:13 2018
Response via : Initial Calibration





#13

Acetone

Concen: 19.087 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

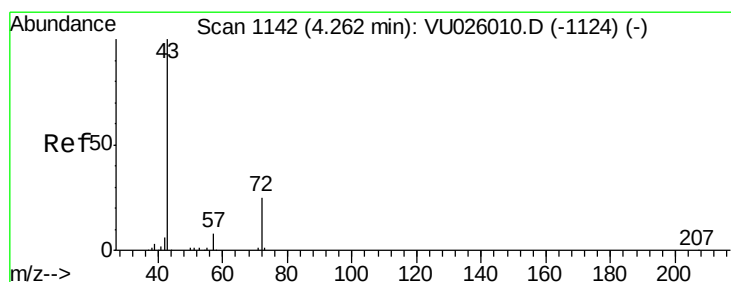
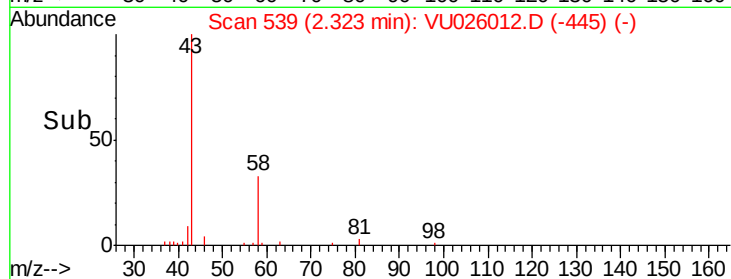
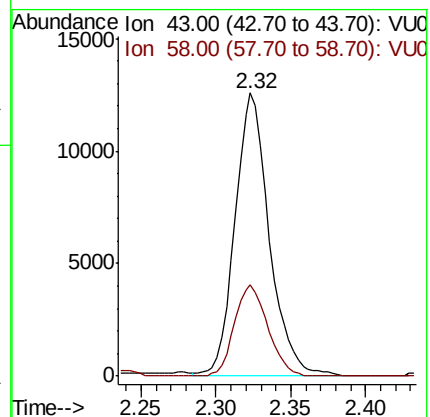
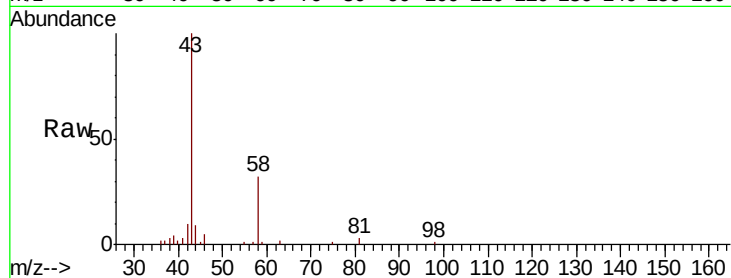
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 20098

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.8



#22

2-Butanone

Concen: 6.599 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026012.D

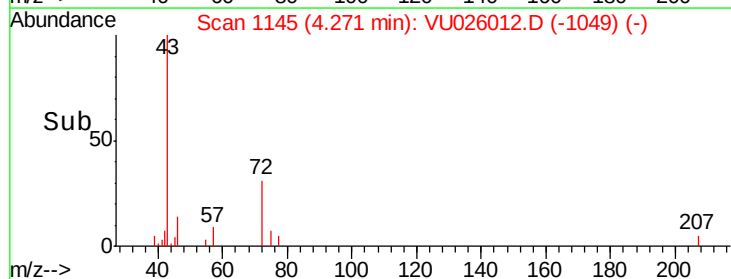
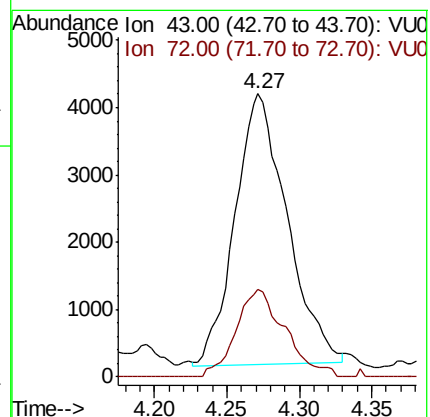
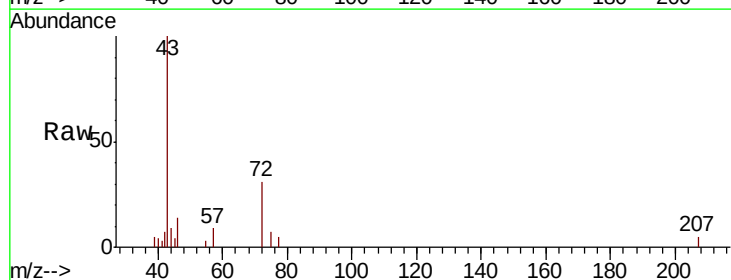
Acq: 09 Aug 2018 22:04

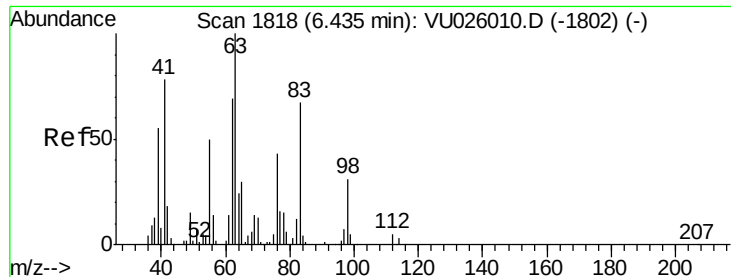
Tgt Ion: 43 Resp: 10054

Ion Ratio Lower Upper

43 100

72 29.8 13.5 40.5





#37

1,2-Dichloropropane

Concen: 6.264 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

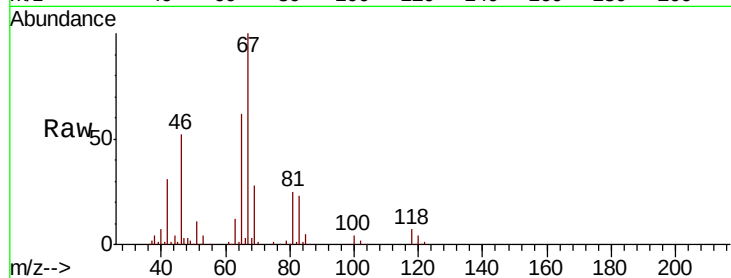
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 13247

Ion Ratio Lower Upper

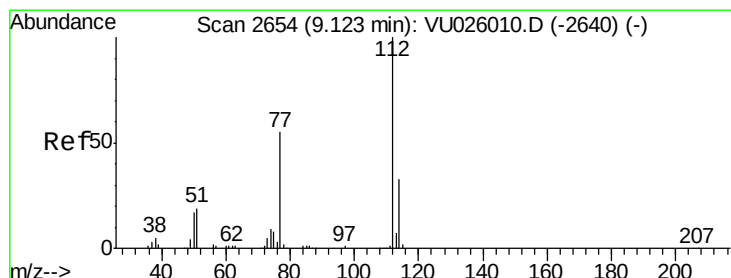
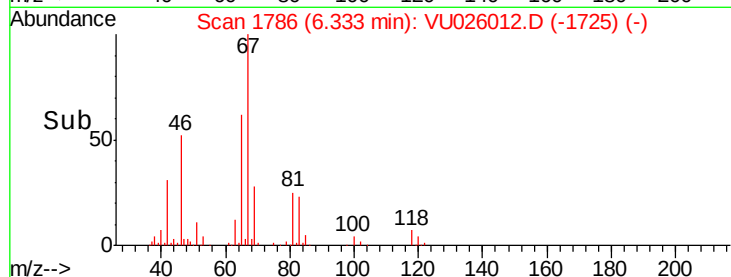
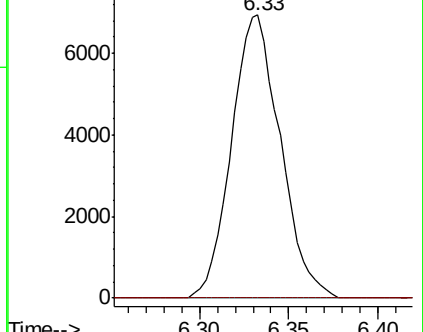
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU026012.D (-1786) (-)

Ion 112.00 (111.70 to 112.70): VU026012.D (-1786) (-)



#51

Chlorobenzene

Concen: 49.974 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

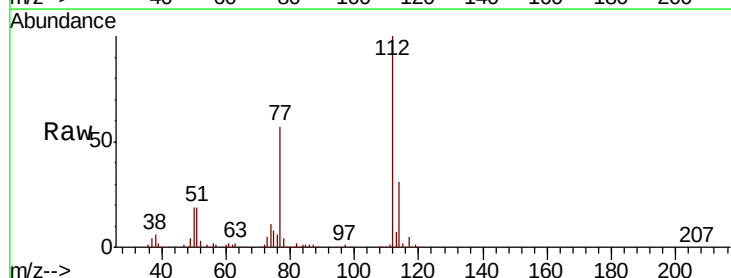
Tgt Ion: 112 Resp: 276406

Ion Ratio Lower Upper

112 100

114 30.7 22.7 42.3

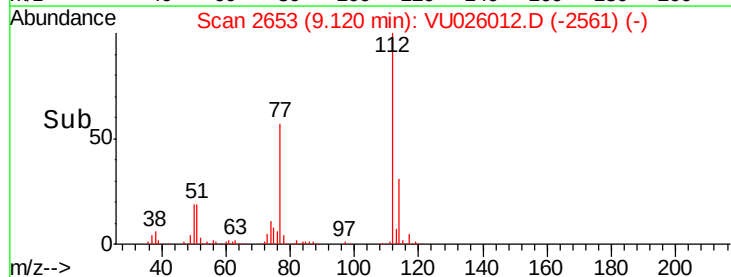
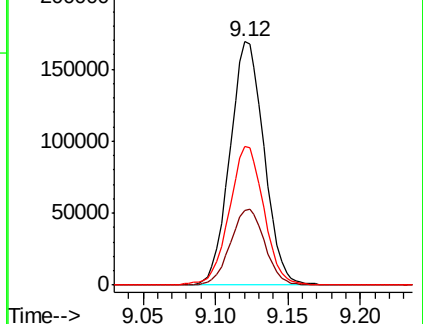
77 56.7 45.2 67.8

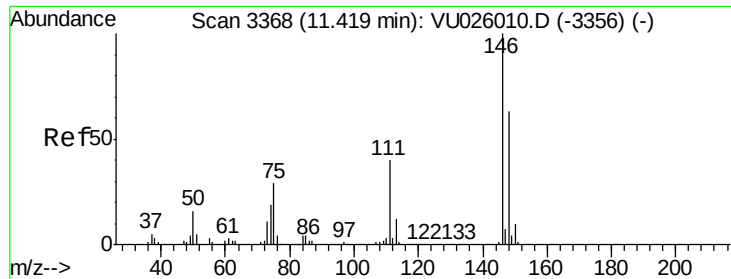


Abundance Ion 112.00 (111.70 to 112.70): VU026012.D (-2653) (-)

Ion 114.00 (113.70 to 114.70): VU026012.D (-2653) (-)

Ion 77.00 (76.70 to 77.70): VU026012.D (-2653) (-)





#62

1,3-Dichlorobenzene

Concen: 3.721 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

Instrument :

MSVOA_U

ClientSampleId :

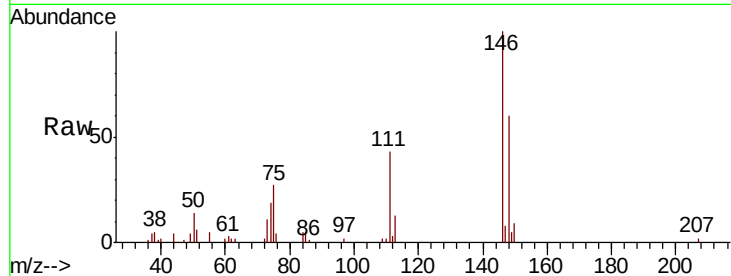
Tot Ion:146 Resp: 15268

Ion Ratio Lower Upper

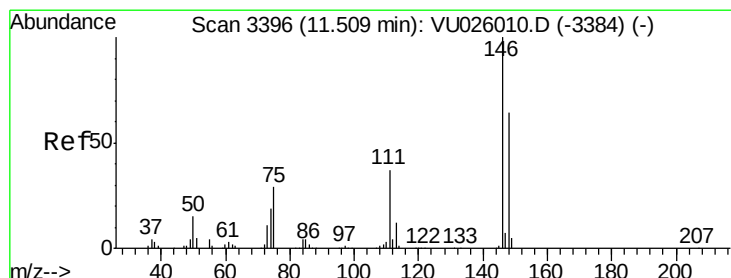
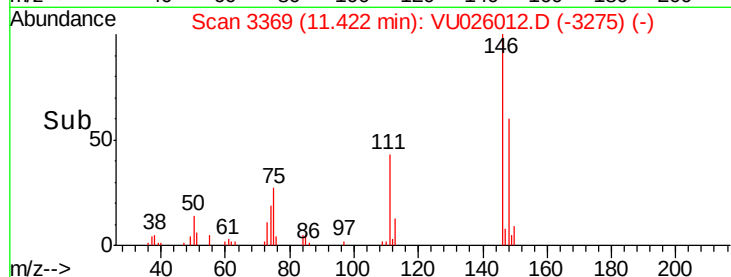
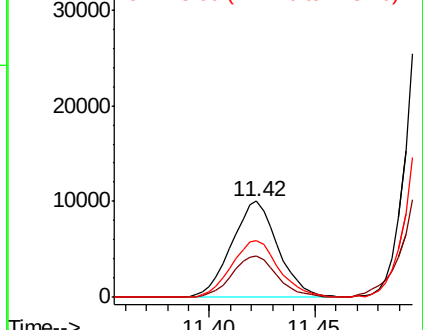
146 100

111 43.1 27.9 51.9

148 59.7 46.0 85.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 25.533 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

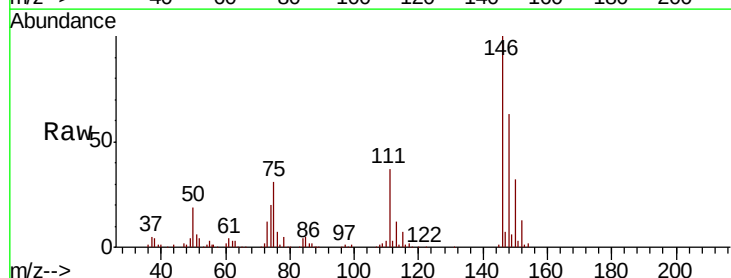
Tgt Ion:146 Resp: 109833

Ion Ratio Lower Upper

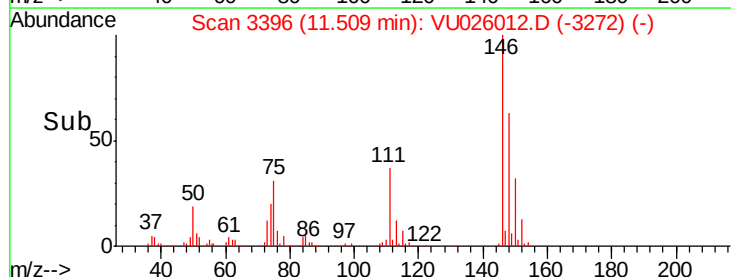
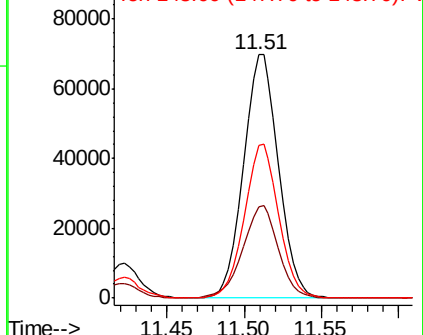
146 100

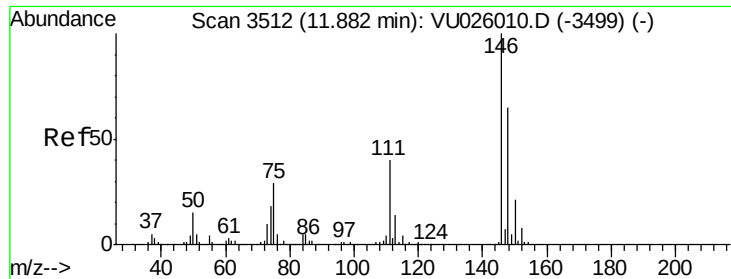
111 37.3 26.4 49.0

148 62.6 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 29.576 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

Instrument :

MSVOA_U

ClientSampleId :

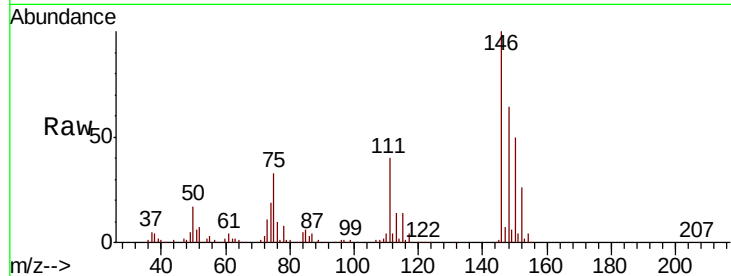
Tot Ion:146 Resp: 129182

Ion Ratio Lower Upper

146 100

111 40.0 32.4 48.6

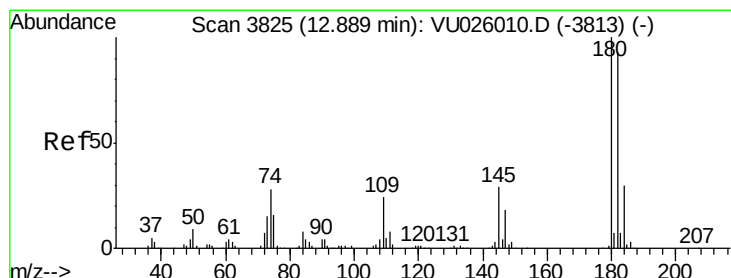
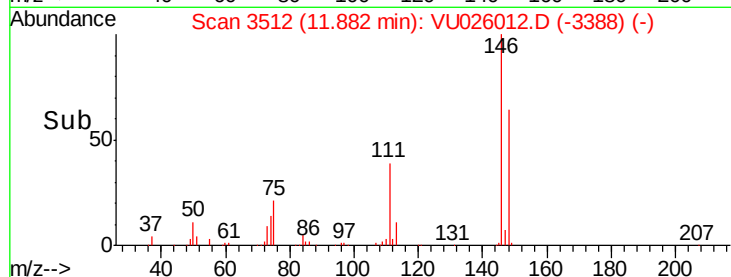
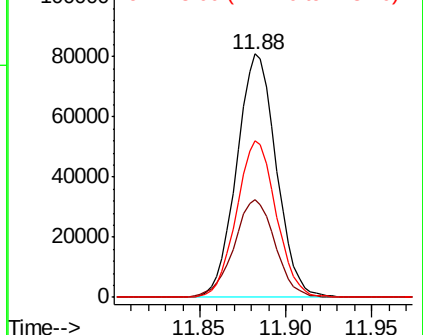
148 64.3 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 12.526 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.62 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

Tgt Ion:180 Resp: 38415

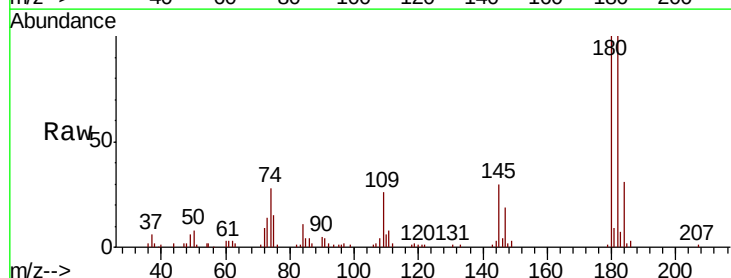
Ion Ratio Lower Upper

180 100

182 97.6 76.5 114.7

184 31.0 24.3 36.5

145 30.2 23.5 35.3

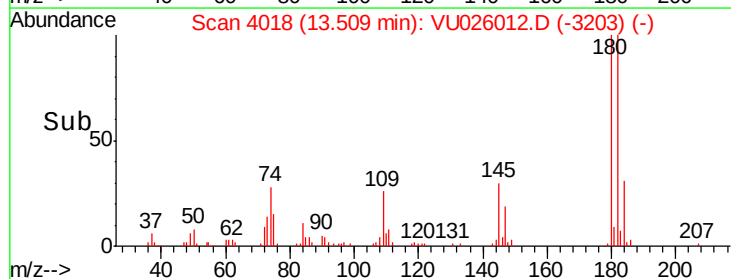
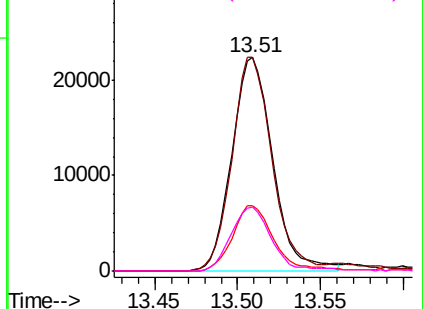


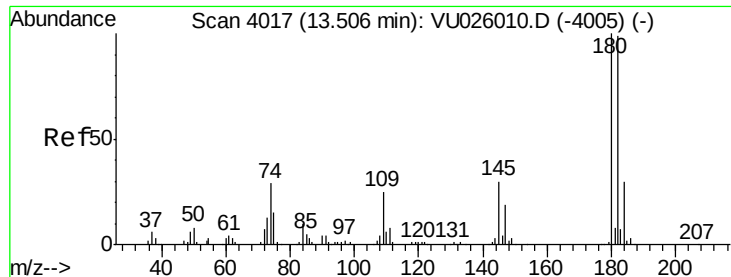
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

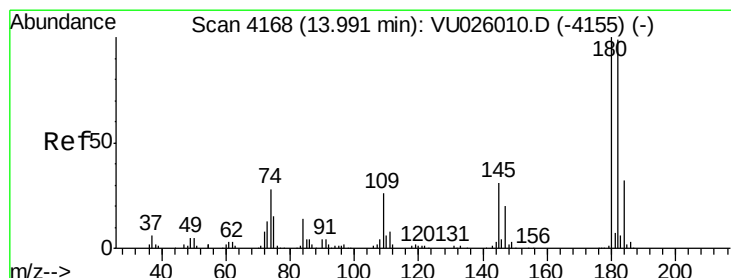
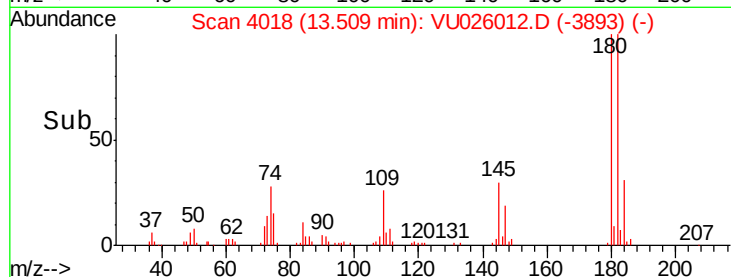
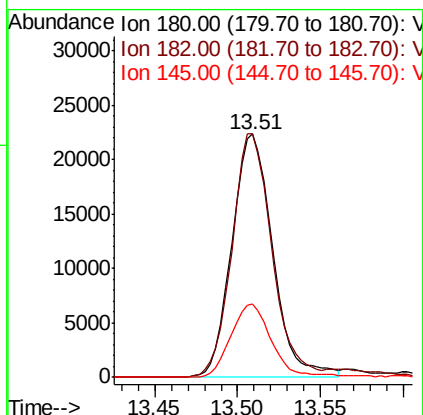
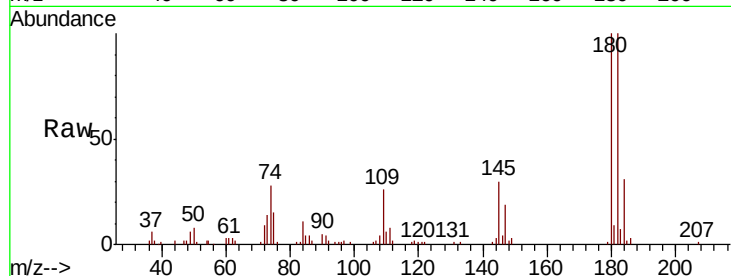




#68
 1,2,4-trichlorobenzene
 Concen: 14.812 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026012.D
 Acq: 09 Aug 2018 22:04

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 38415
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.5 114.7
 145 30.2 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 3.542 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU026012.D
 Acq: 09 Aug 2018 22:04

Tgt Ion:180 Resp: 9873
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.5 114.7
 145 27.9 24.7 37.1

