

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026017.D
 Acq On : 10 Aug 2018 00:05
 Operator : MD/SY
 Sample : J4401-01 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 07:42:43 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	296442	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	282194	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	129206	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77346	35.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.38%
7) Chloroethane-d5	1.68	69	70341	40.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.88%
11) 1,1-Dichloroethene-d2	2.27	63	120072	29.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.32%#
21) 2-Butanone-d5	4.18	46	156238	86.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.51%
24) Chloroform-d	4.65	84	190297	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.82%
26) 1,2-Dichloroethane-d4	5.31	65	133614	43.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.10%
32) Benzene-d6	5.35	84	364584	41.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.22%
36) 1,2-Dichloropropane-d6	6.33	67	120938	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.30%
41) Toluene-d8	7.57	98	328276	39.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.32%#
43) trans-1,3-Dichloropropene-	7.85	79	56036	39.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.46%
47) 2-Hexanone-d5	8.31	63	110669	85.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	174965	42.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	139867	43.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.82%

Target Compounds

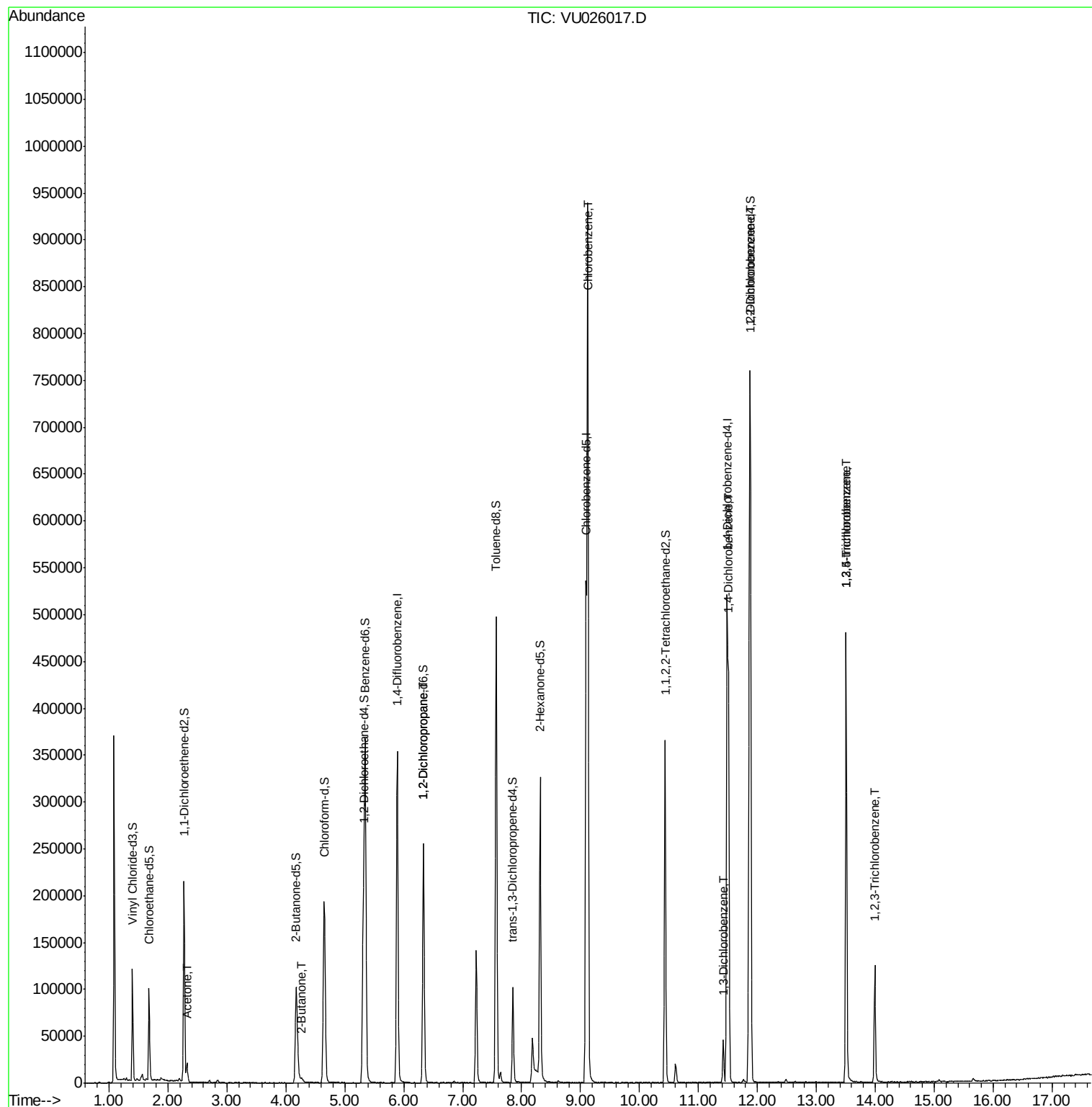
					Ovalue
13) Acetone	2.32	43	19635	17.502	ug/L 99
22) 2-Butanone	4.27	43	5834	3.594	ug/L # 68
37) 1,2-Dichloropropane	6.33	63	14150	6.434	ug/L # 89
51) Chlorobenzene	9.12	112	483268	84.013	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	18856	4.688	ug/L 94
63) 1,4-Dichlorobenzene	11.51	146	158307	37.543	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	247124	57.718	ug/L 100
67) 1,3,5-Trichlorobenzene	13.51	180	148487	49.392	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	148487	58.407	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	39700	14.529	ug/L 97

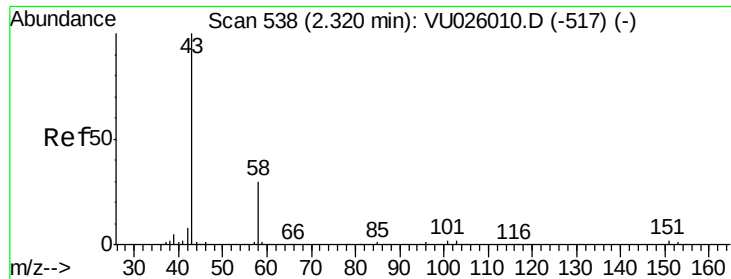
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 17.502 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026017.D

Acq: 10 Aug 2018 00:05

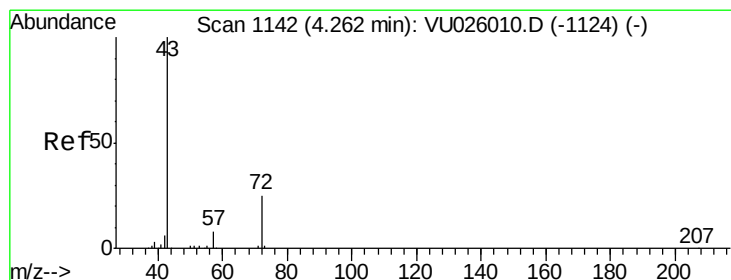
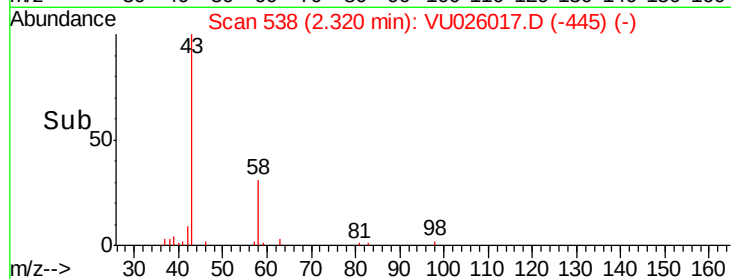
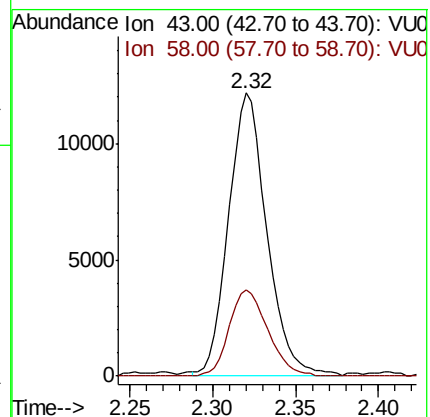
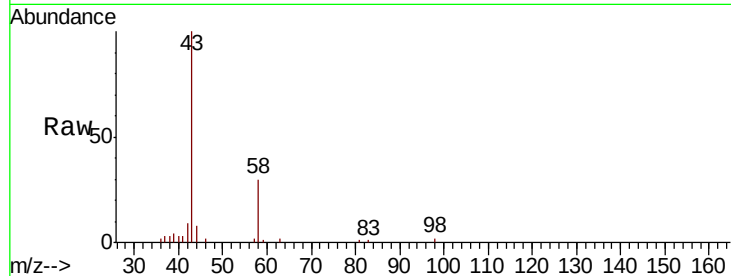
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 19635

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.8



#22

2-Butanone

Concen: 3.594 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026017.D

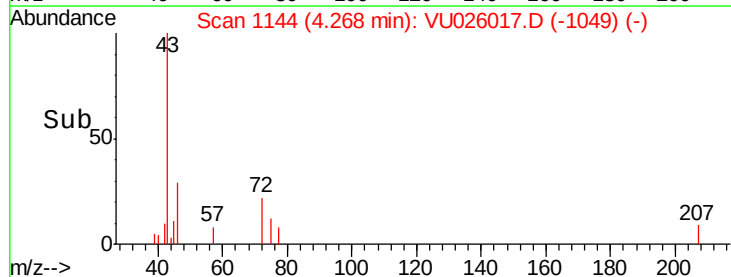
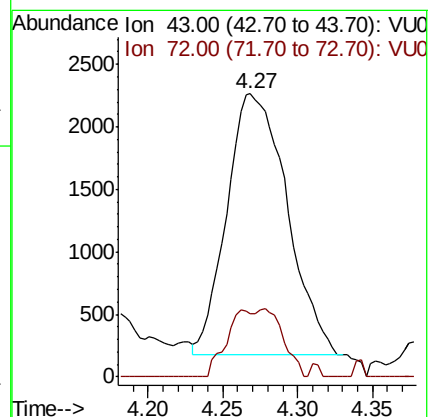
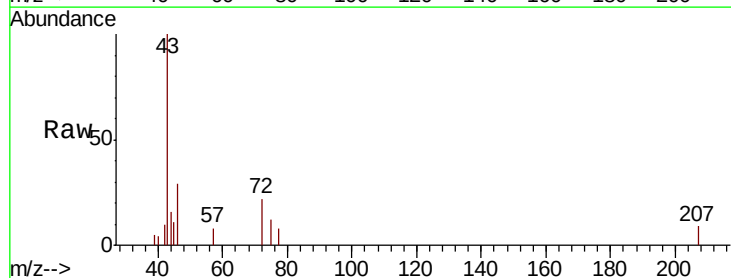
Acq: 10 Aug 2018 00:05

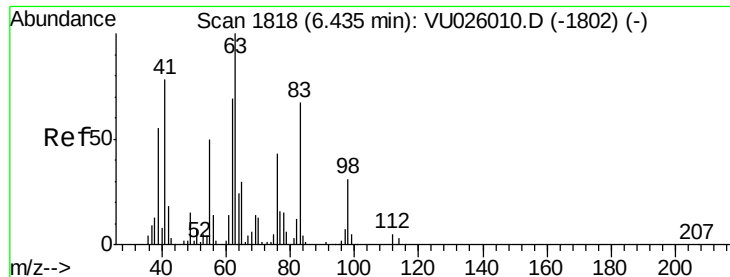
Tgt Ion: 43 Resp: 5834

Ion Ratio Lower Upper

43 100

72 10.7 13.5 40.5#





#37

1,2-Dichloropropane

Concen: 6.434 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026017.D

Acq: 10 Aug 2018 00:05

Instrument :

MSVOA_U

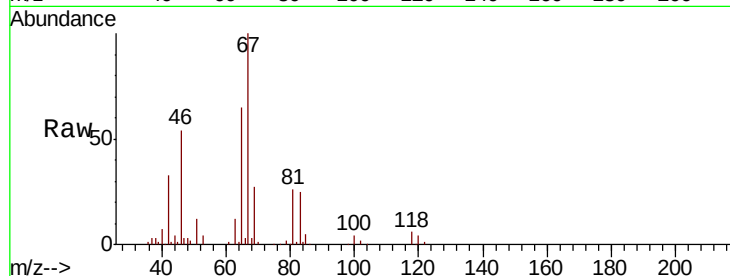
ClientSampleId :

Tot Ion: 63 Resp: 14150

Ion Ratio Lower Upper

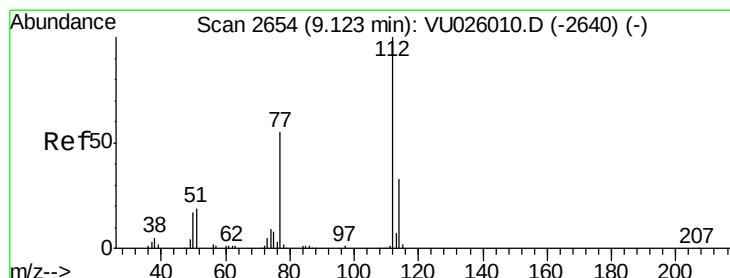
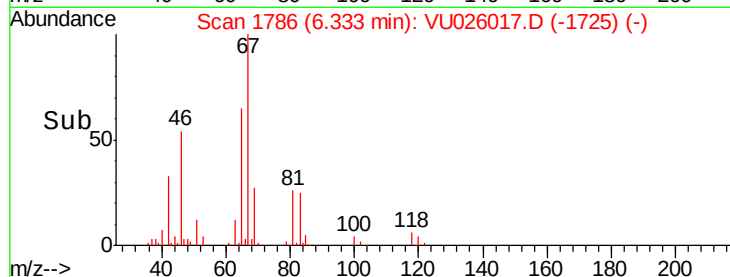
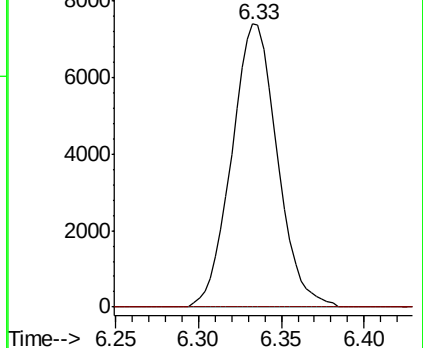
63 100

112 0.4 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#51

Chlorobenzene

Concen: 84.013 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026017.D

Acq: 10 Aug 2018 00:05

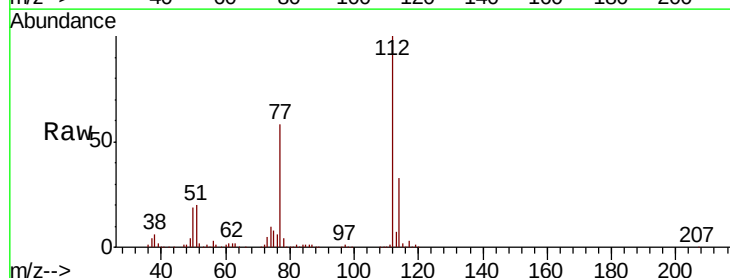
Tgt Ion: 112 Resp: 483268

Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.3

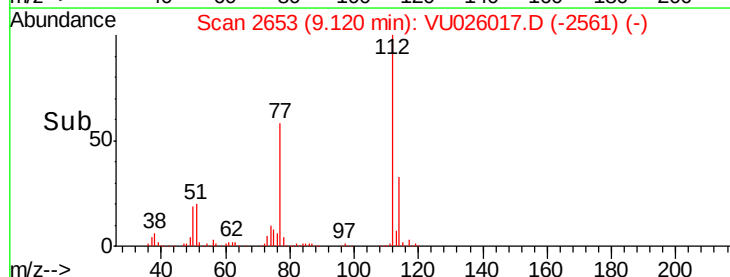
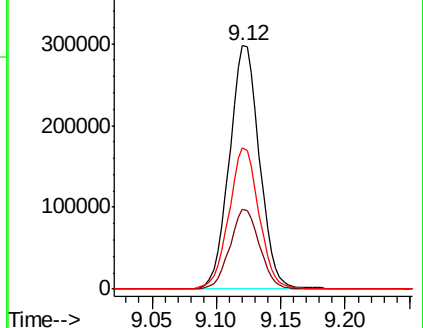
77 58.0 45.2 67.8

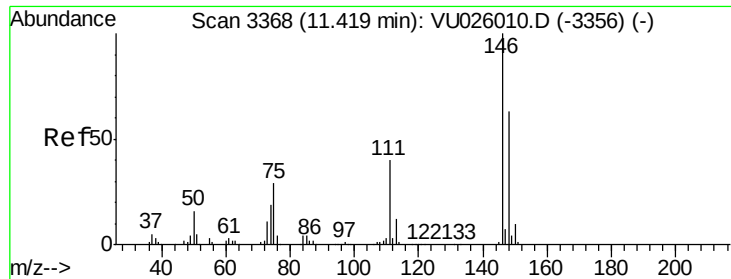


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 4.688 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026017.D

Acq: 10 Aug 2018 00:05

Instrument :

MSVOA_U

ClientSampleId :

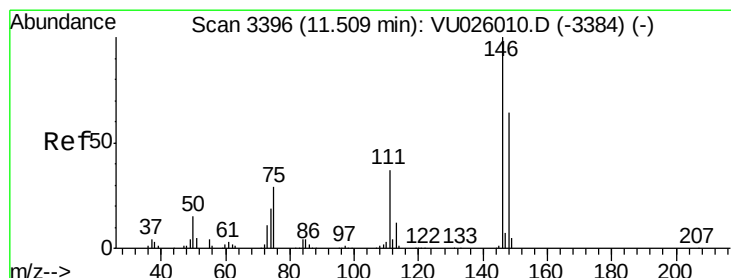
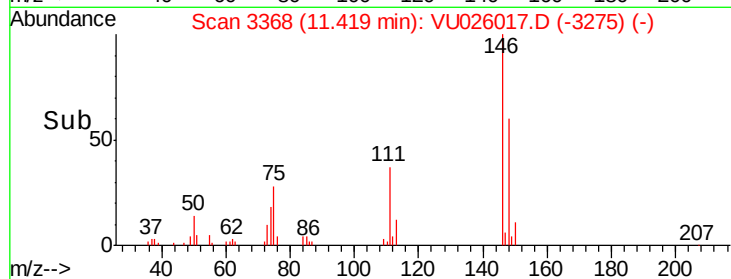
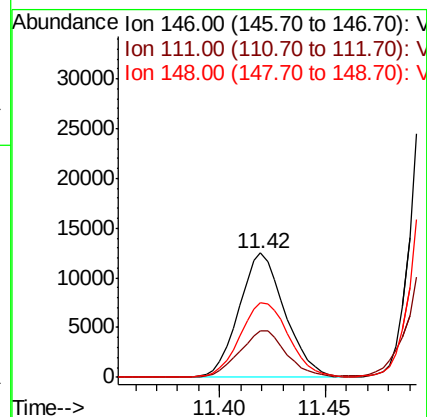
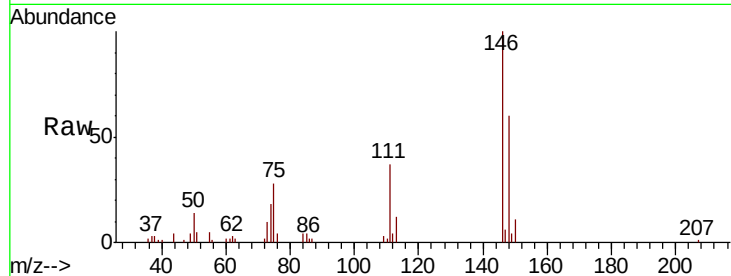
Tot Ion:146 Resp: 18856

Ion Ratio Lower Upper

146 100

111 37.4 27.9 51.9

148 60.2 46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 37.543 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026017.D

Acq: 10 Aug 2018 00:05

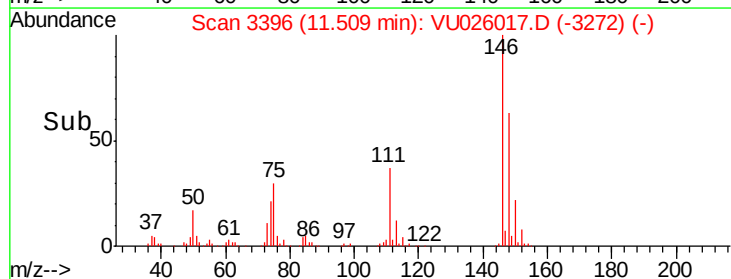
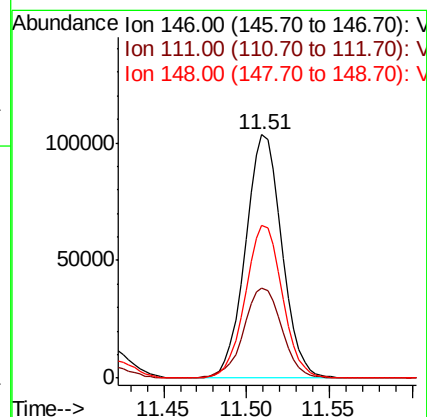
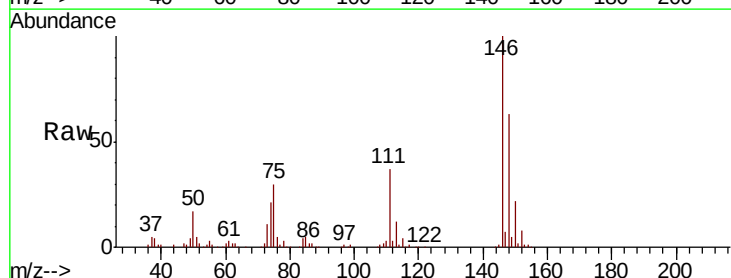
Tgt Ion:146 Resp: 158307

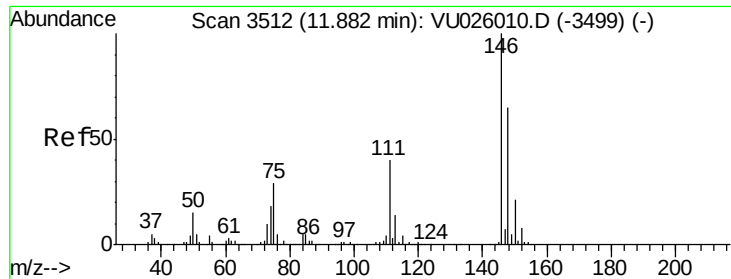
Ion Ratio Lower Upper

146 100

111 36.9 26.4 49.0

148 62.8 43.8 81.4

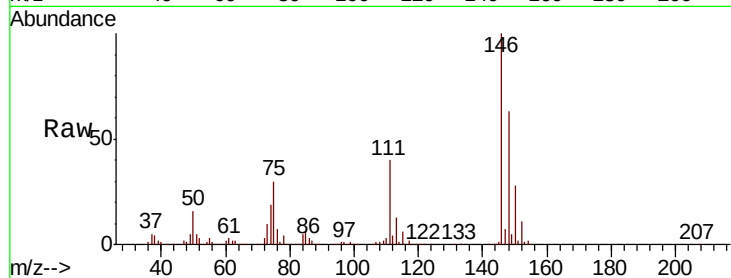




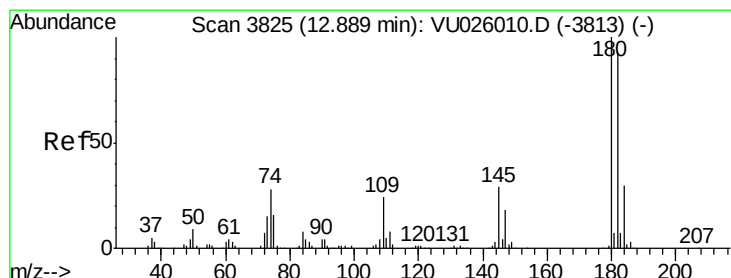
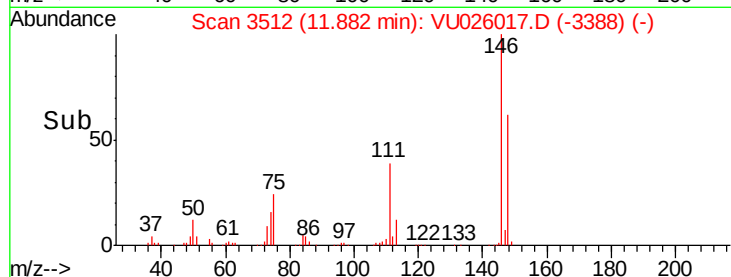
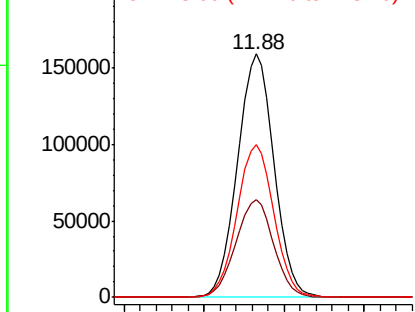
#65
 1,2-Dichlorobenzene
 Concen: 57.718 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026017.D
 Acq: 10 Aug 2018 00:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 247124
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.4 48.6
 148 62.5 50.1 75.1

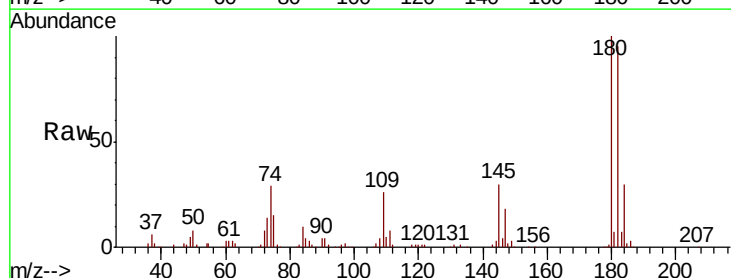


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

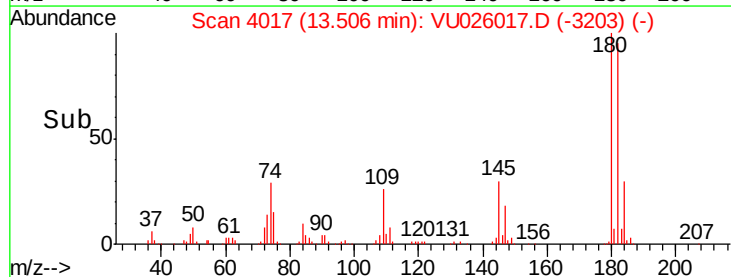
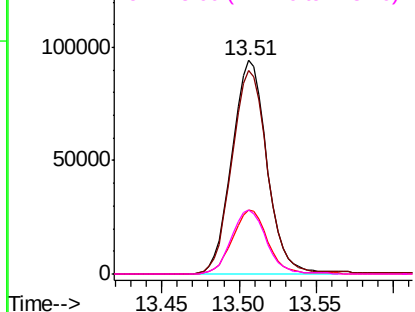


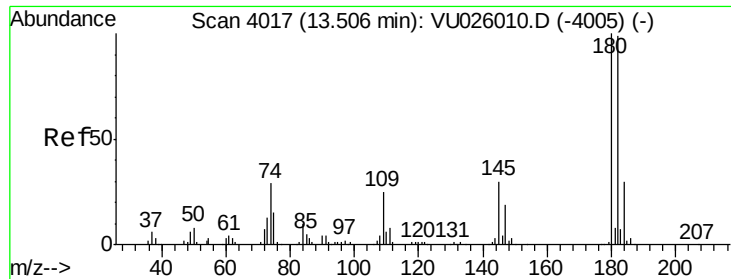
#67
 1,3,5-Trichlorobenzene
 Concen: 49.392 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026017.D
 Acq: 10 Aug 2018 00:05

Tgt Ion:180 Resp: 148487
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.5 114.7
 184 30.2 24.3 36.5
 145 29.9 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

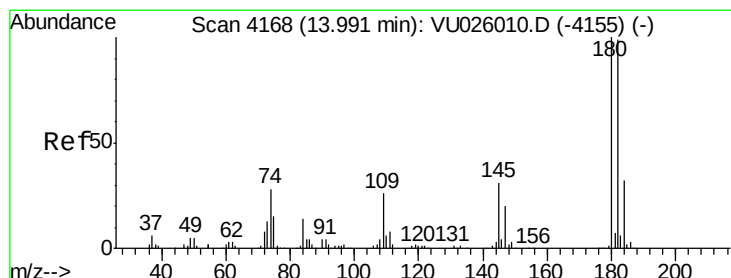
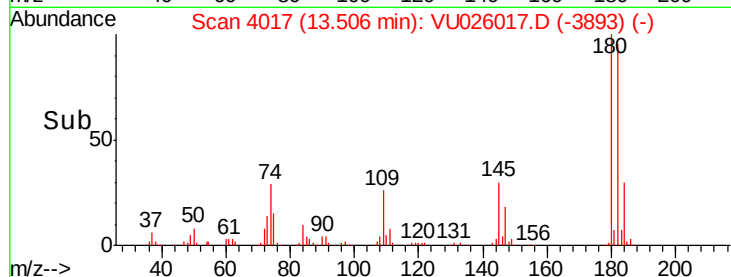
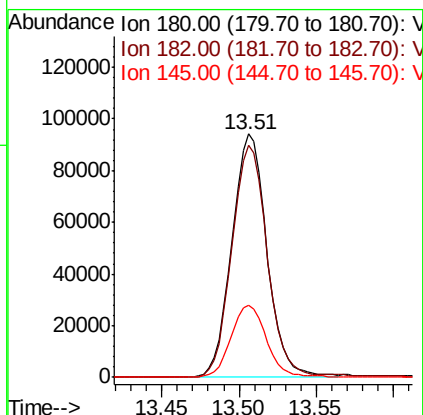
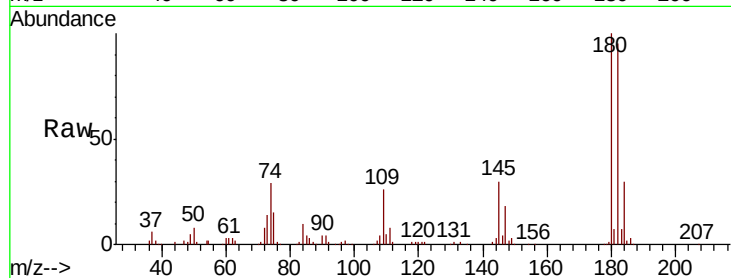




#68
 1,2,4-trichlorobenzene
 Concen: 58.407 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026017.D
 Acq: 10 Aug 2018 00:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 148487
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.5 114.7
 145 29.9 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 14.529 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026017.D
 Acq: 10 Aug 2018 00:05

Tgt Ion:180 Resp: 39700
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.5 114.7
 145 32.4 24.7 37.1

