

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026018.D
 Acq On : 10 Aug 2018 00:30
 Operator : MD/SY
 Sample : J4401-02 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 07:42:52 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	289073	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	273019	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	124065	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76619	36.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.52%
7) Chloroethane-d5	1.68	69	69107	41.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.50%
11) 1,1-Dichloroethene-d2	2.27	63	116151	28.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.86%#
21) 2-Butanone-d5	4.18	46	152235	86.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.44%
24) Chloroform-d	4.65	84	189345	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.52%
26) 1,2-Dichloroethane-d4	5.31	65	129729	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
32) Benzene-d6	5.35	84	359085	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.72%
36) 1,2-Dichloropropane-d6	6.33	67	119342	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.00%
41) Toluene-d8	7.57	98	321107	39.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.18%#
43) trans-1,3-Dichloropropene-	7.85	79	54083	39.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.26%
47) 2-Hexanone-d5	8.31	63	107497	86.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.28%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	170914	42.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	138395	45.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.50%

Target Compounds

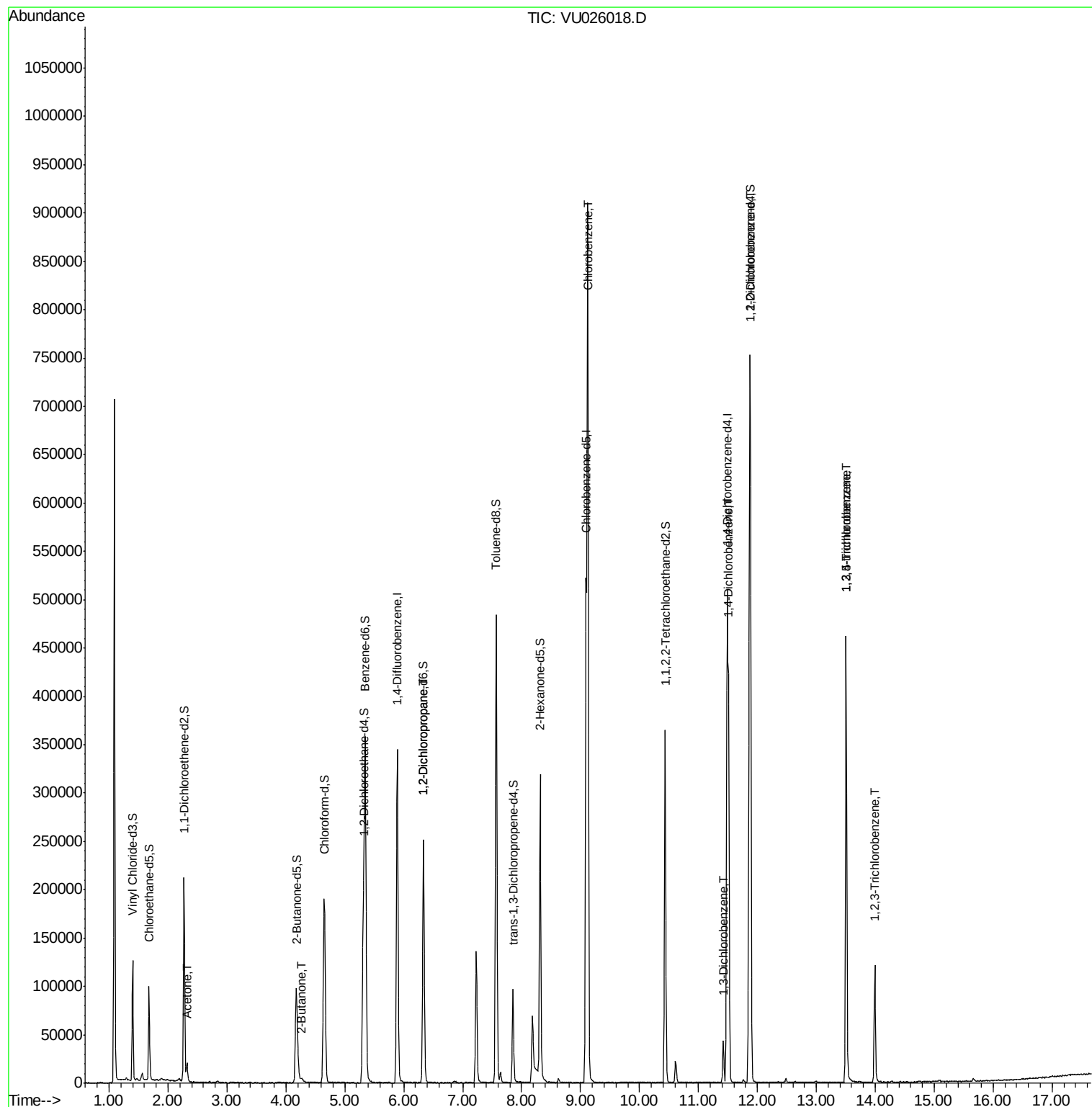
					Ovalue
13) Acetone	2.32	43	19653	17.964	ug/L 95
22) 2-Butanone	4.27	43	2158	1.363	ug/L # 22
37) 1,2-Dichloropropane	6.34	63	12513	5.881	ug/L # 88
51) Chlorobenzene	9.12	112	480968	86.423	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	18311	4.741	ug/L 96
63) 1,4-Dichlorobenzene	11.51	146	154612	38.186	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	244330	59.430	ug/L 99
67) 1,3,5-Trichlorobenzene	13.51	180	144449	50.040	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	144449	59.173	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	39730	15.143	ug/L 99

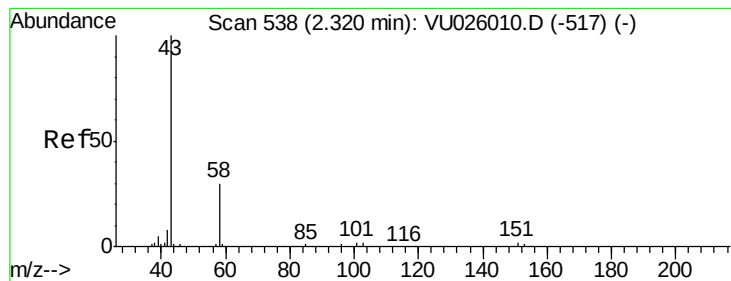
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 10 07:39:13 2018
Response via : Initial Calibration





#13

Acetone

Concen: 17.964 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026018.D

Acq: 10 Aug 2018 00:30

Instrument :

MSVOA_U

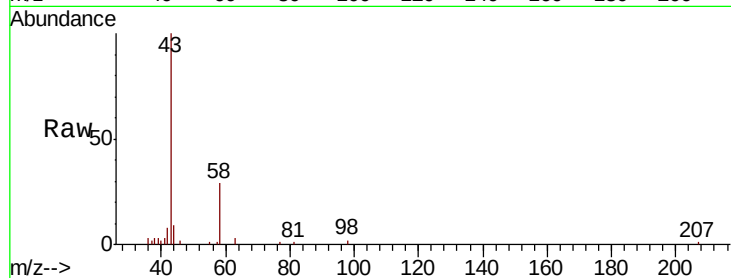
ClientSampleId :

Tot Ion: 43 Resp: 19653

Ion Ratio Lower Upper

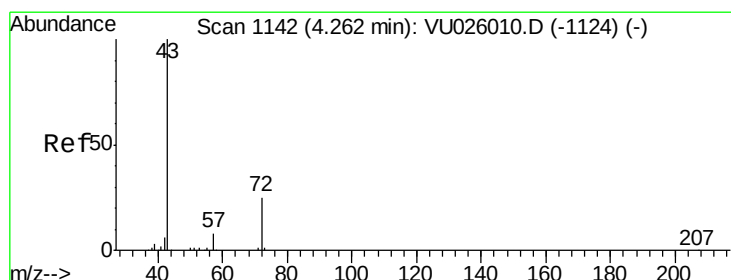
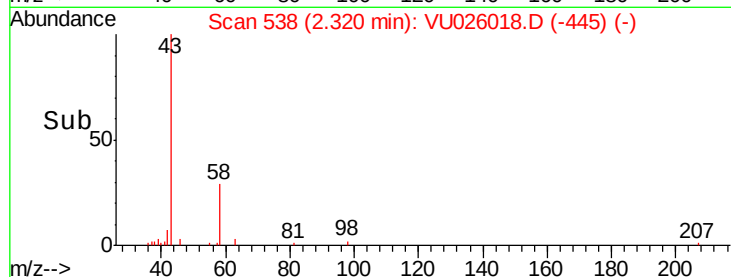
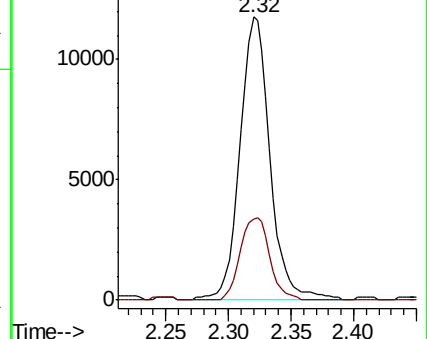
43 100

58 28.4 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 1.363 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU026018.D

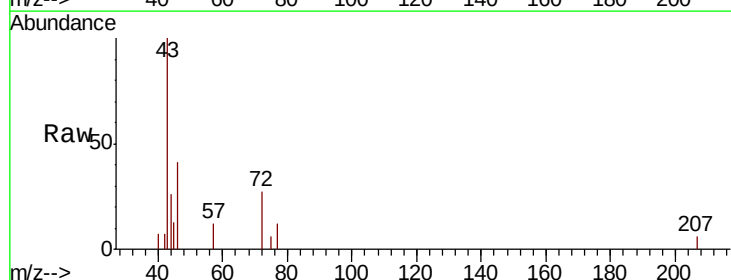
Acq: 10 Aug 2018 00:30

Tgt Ion: 43 Resp: 2158

Ion Ratio Lower Upper

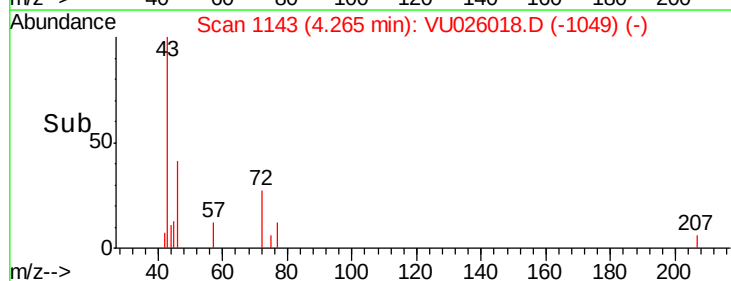
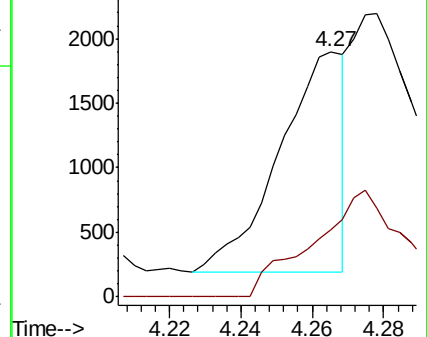
43 100

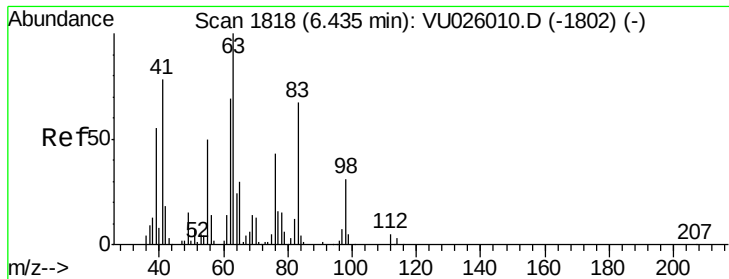
72 67.2 13.5 40.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#37

1,2-Dichloropropane

Concen: 5.881 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU026018.D

Acq: 10 Aug 2018 00:30

Instrument :

MSVOA_U

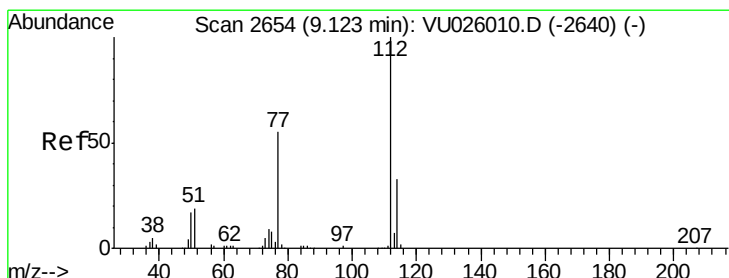
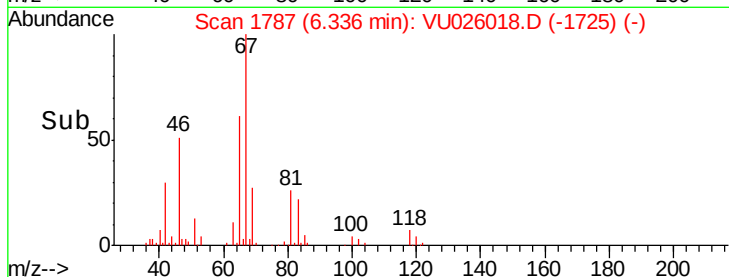
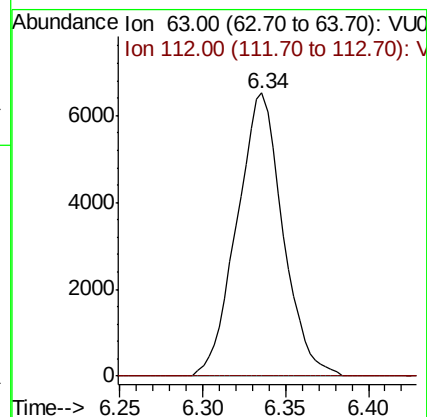
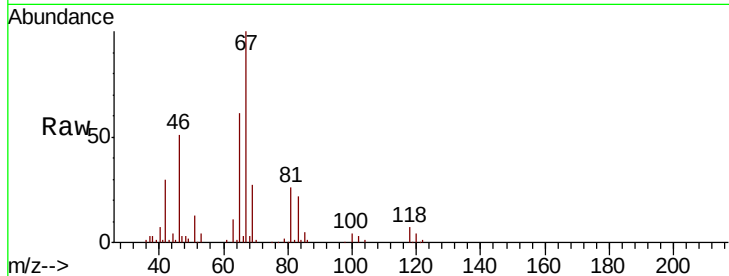
ClientSampleId :

Tot Ion: 63 Resp: 12513

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#51

Chlorobenzene

Concen: 86.423 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026018.D

Acq: 10 Aug 2018 00:30

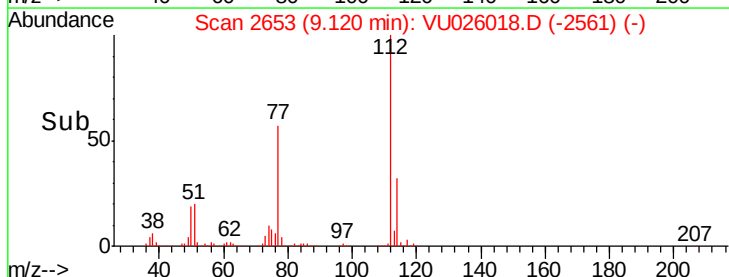
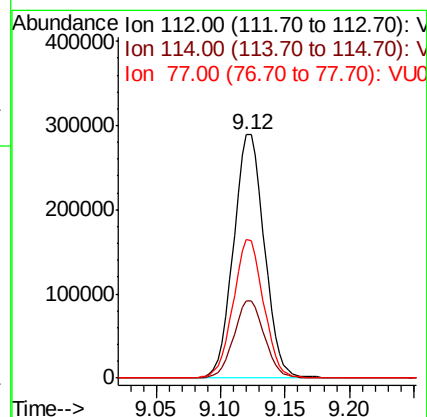
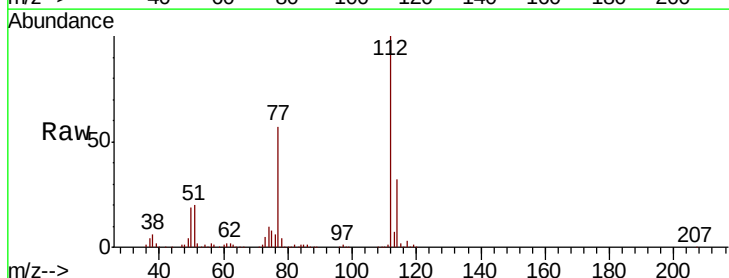
Tgt Ion: 112 Resp: 480968

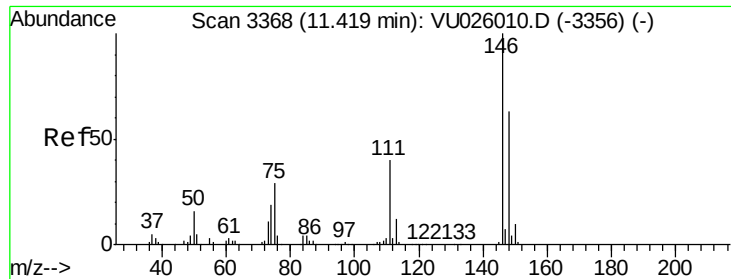
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 56.9 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 4.741 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026018.D

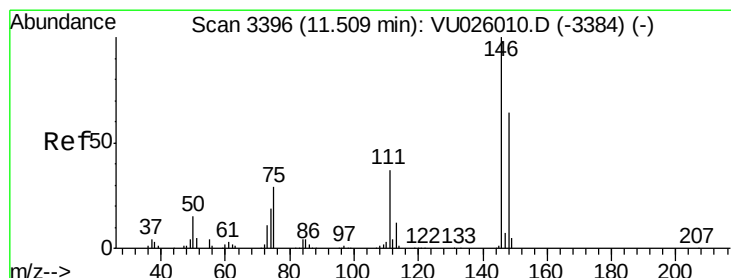
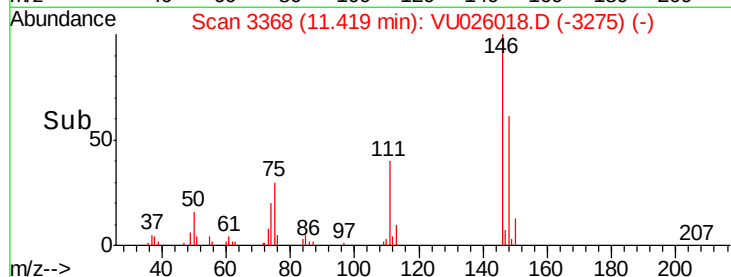
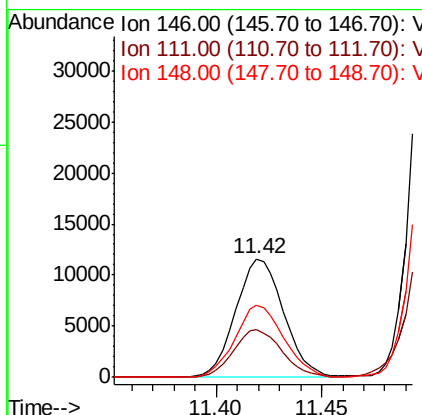
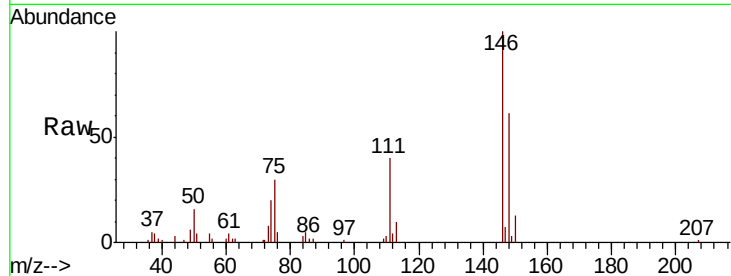
Acq: 10 Aug 2018 00:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	18311
Ion Ratio	Lower	Upper
146	100	
111	40.2	27.9 51.9
148	61.3	46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 38.186 ug/L

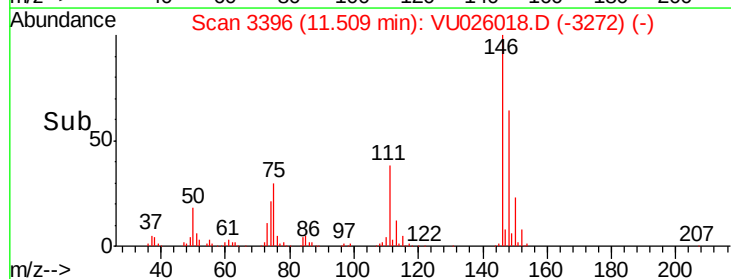
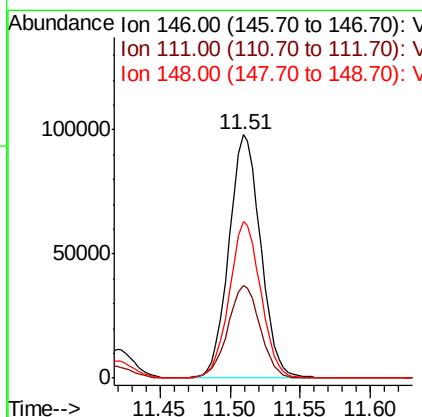
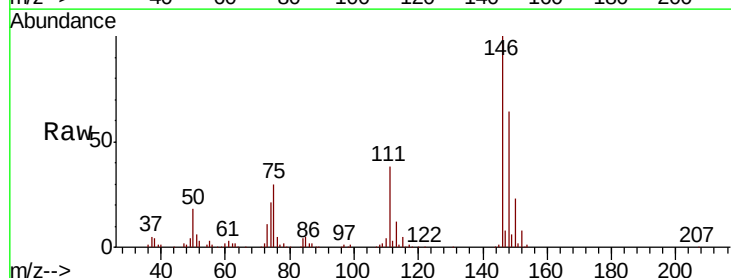
RT: 11.51 min Scan# 3396

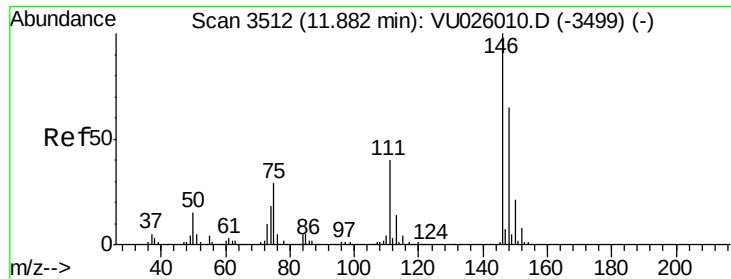
Delta R.T. -0.00 min

Lab File: VU026018.D

Acq: 10 Aug 2018 00:30

Tgt Ion:146	Resp:	154612
Ion Ratio	Lower	Upper
146	100	
111	37.9	26.4 49.0
148	64.2	43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 59.430 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026018.D

Acq: 10 Aug 2018 00:30

Instrument :

MSVOA_U

ClientSampleId :

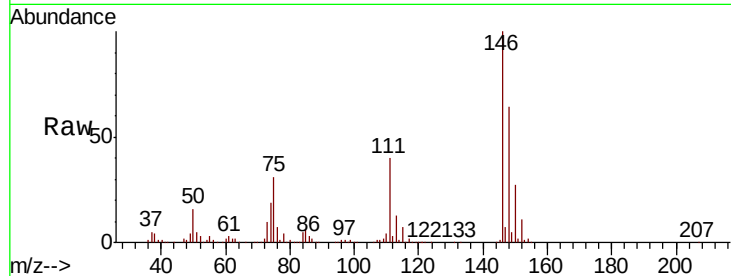
Tot Ion:146 Resp: 244330

Ion Ratio Lower Upper

146 100

111 40.2 32.4 48.6

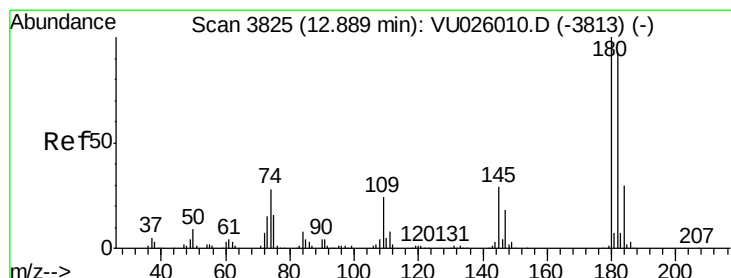
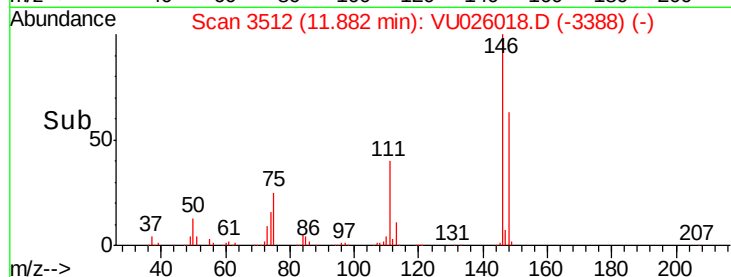
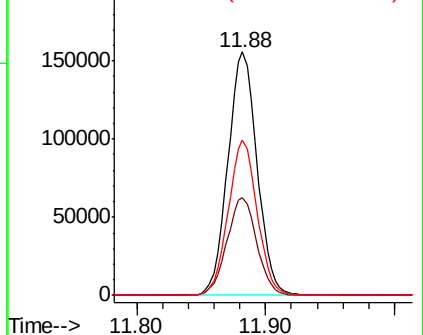
148 63.6 50.1 75.1



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: 50.040 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU026018.D

Acq: 10 Aug 2018 00:30

Tgt Ion:180 Resp: 144449

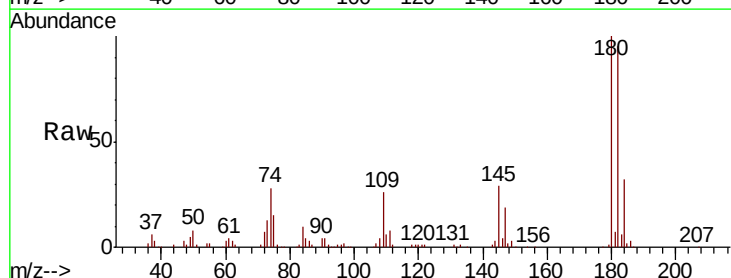
Ion Ratio Lower Upper

180 100

182 96.4 76.5 114.7

184 31.5 24.3 36.5

145 29.6 23.5 35.3

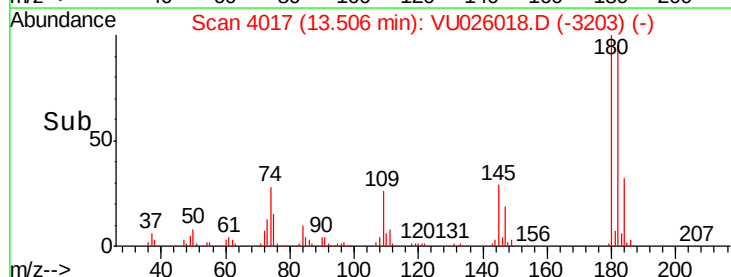
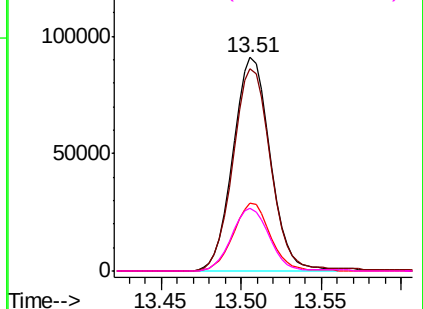


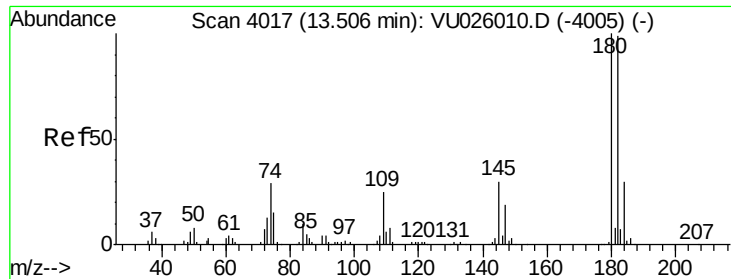
Abundance Ion 180.00 (179.70 to 180.70): V

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

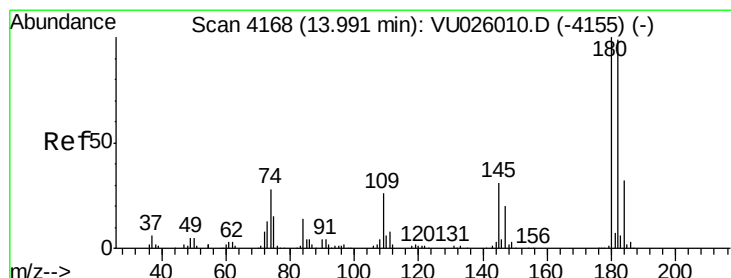
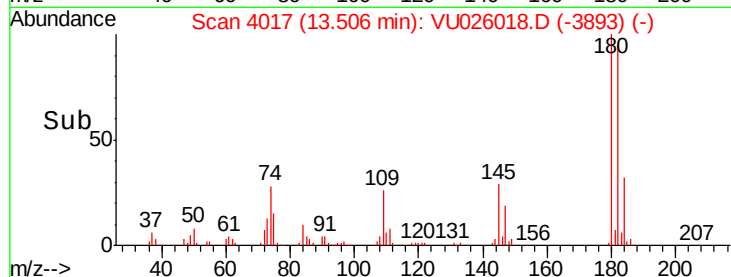
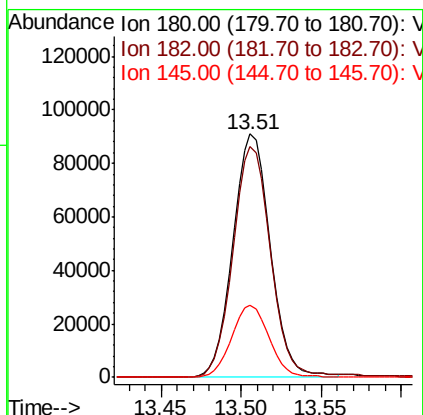
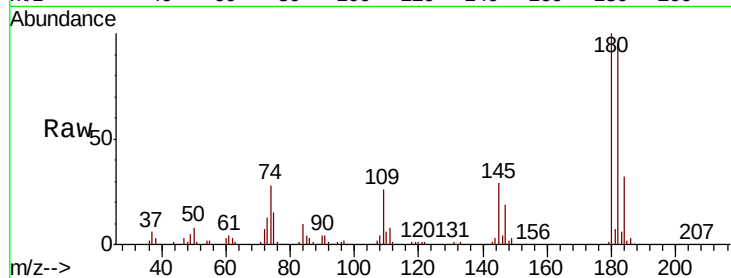




#68
 1,2,4-trichlorobenzene
 Concen: 59.173 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026018.D
 Acq: 10 Aug 2018 00:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	180	Resp	144449
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.5	114.7
145	29.6	24.2	36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 15.143 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU026018.D
 Acq: 10 Aug 2018 00:30

Tgt Ion	180	Resp	39730
Ion Ratio	Lower	Upper	
180	100		
182	94.5	76.5	114.7
145	30.7	24.7	37.1

