

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026944.D
 Acq On : 20 Sep 2018 19:33
 Operator : MD/SY
 Sample : J5012-01 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08J8

Quant Time: Sep 21 06:32:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	276024	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	269931	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	137742	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92643	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.67	69	79775	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.30%
11) 1,1-Dichloroethene-d2	2.27	63	129939	33.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.26%
21) 2-Butanone-d5	4.18	46	138560	102.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	4.65	84	160413	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.70%
26) 1,2-Dichloroethane-d4	5.31	65	103367	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.68%
32) Benzene-d6	5.34	84	335187	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.62%
36) 1,2-Dichloropropane-d6	6.33	67	108807	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.28%
41) Toluene-d8	7.57	98	295584	43.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.50%
43) trans-1,3-Dichloropropene-	7.85	79	46548	42.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.54%
47) 2-Hexanone-d5	8.31	63	100945	105.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	146007	42.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	134509	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%

Target Compounds

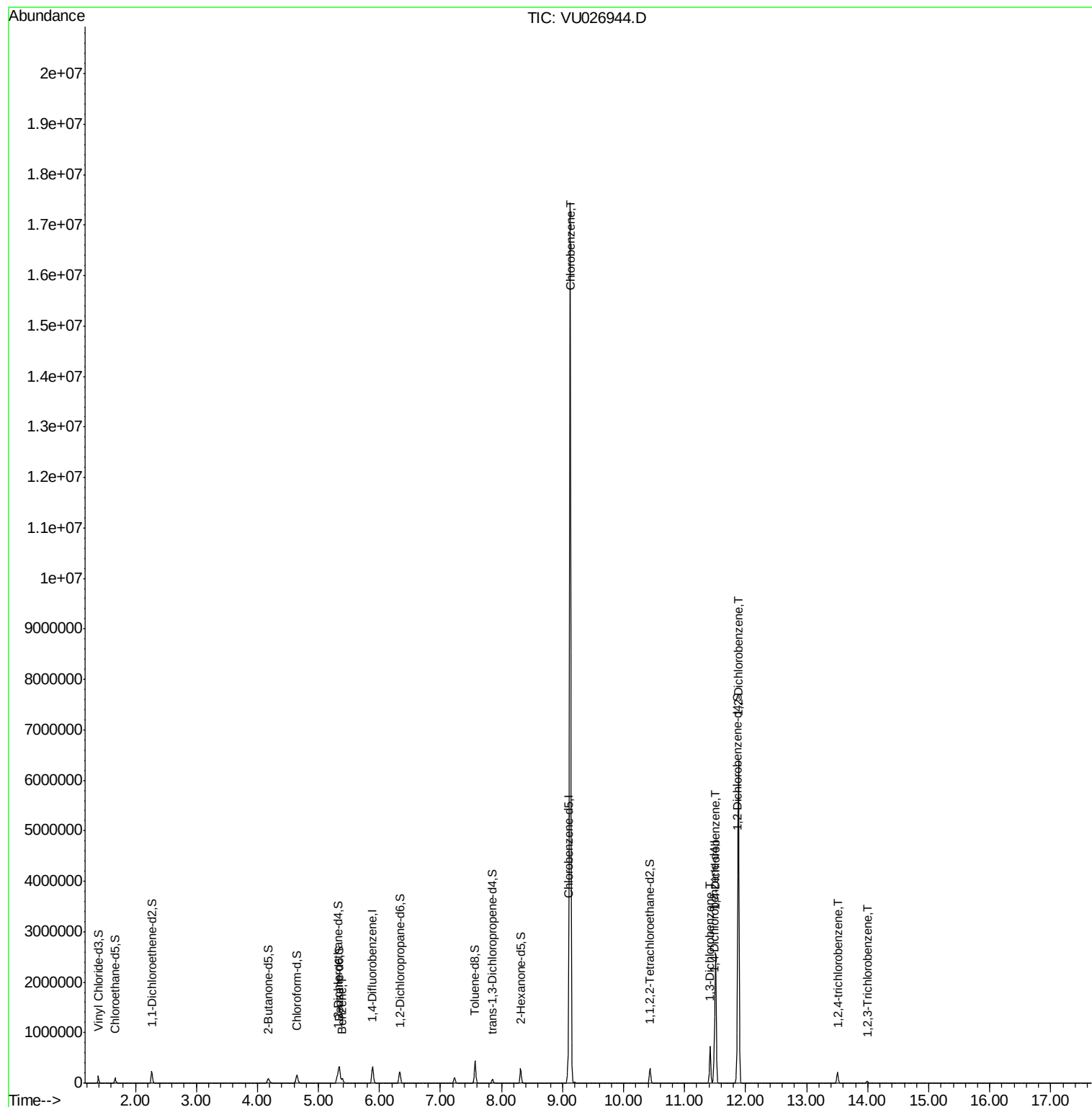
					Ovalue
33) Benzene	5.39	78	91704	10.958	ug/L 100
51) Chlorobenzene	9.12	112	961522	1673.263	ug/L 97
62) 1,3-Dichlorobenzene	11.42	146	314996	75.017	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	1045576	226.135	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	2655285	571.100	ug/L 100
68) 1,2,4-trichlorobenzene	13.50	180	73526	26.259	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	12478	4.047	ug/L 95

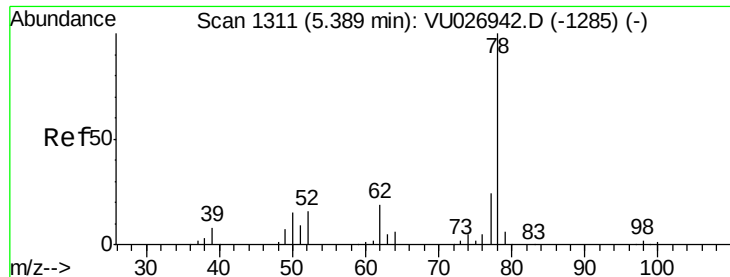
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration





#33

Benzene

Concen: 10.958 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

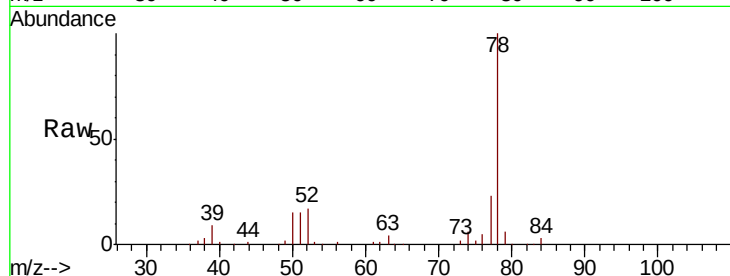
Instrument :

MSVOA_U

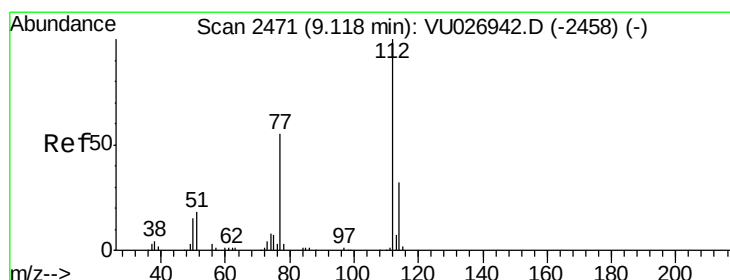
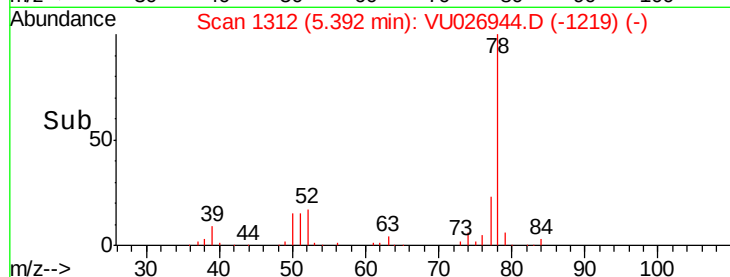
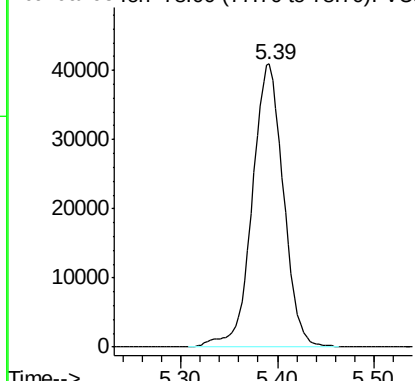
ClientSampled :

C08J8

Tgt Ion: 78 Resp: 91704



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 1673.263 ug/L

RT: 9.12 min Scan# 2473

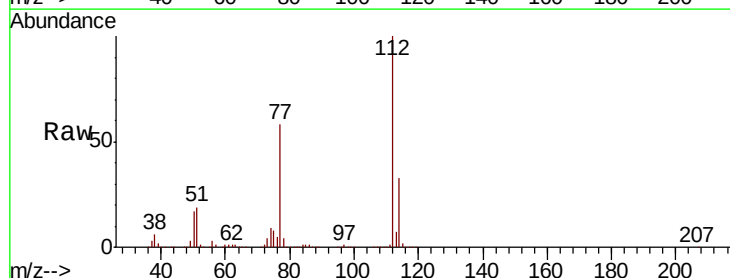
Delta R.T. 0.01 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

Tgt Ion: 112 Resp: 9615522

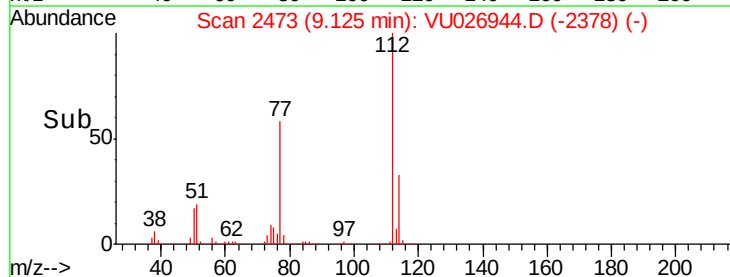
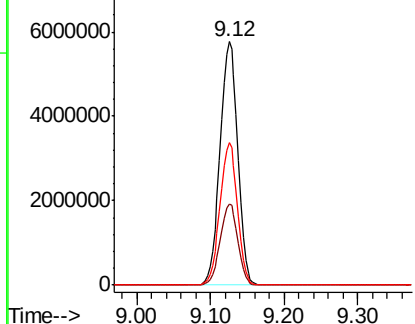
Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.3	41.5
77	58.4	45.1	67.7

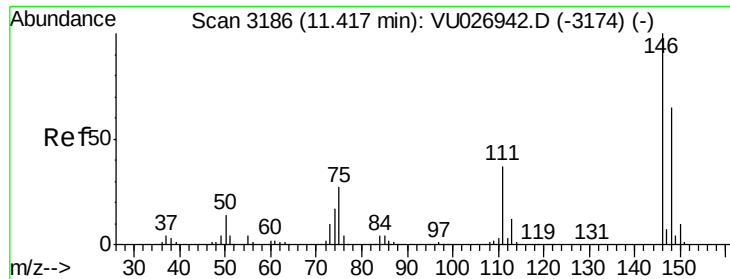


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

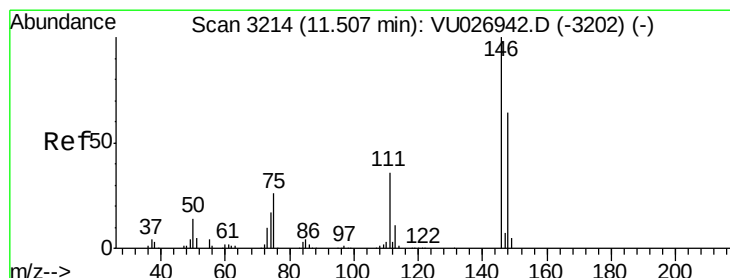
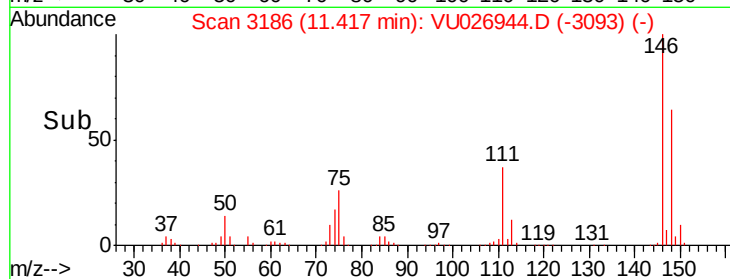
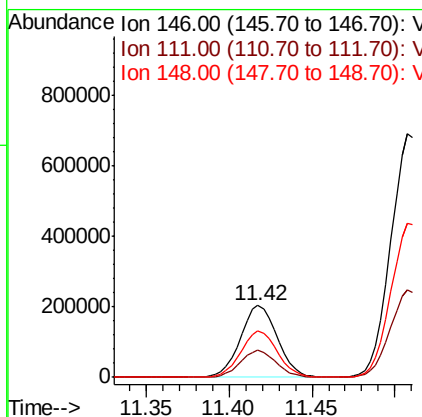
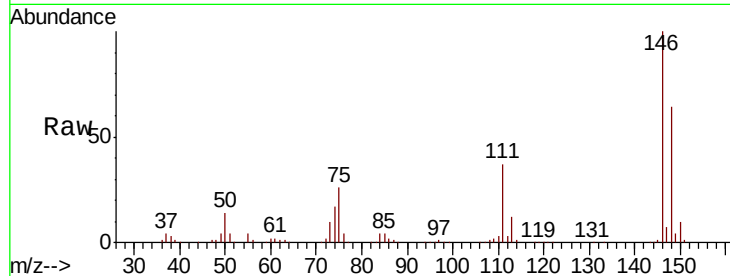




#62
 1,3-Dichlorobenzene
 Concen: 75.017 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

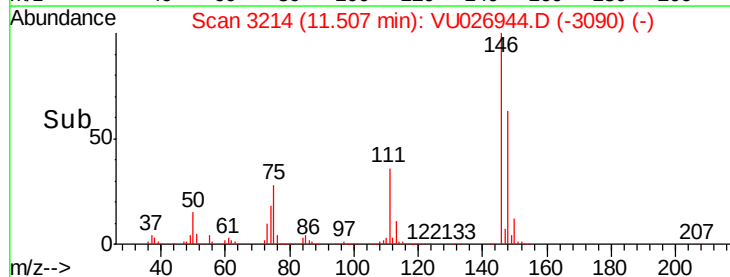
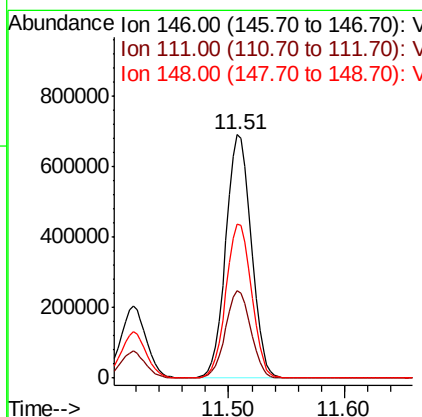
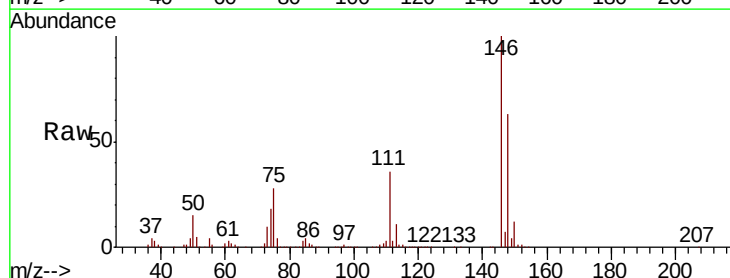
Instrument :
 MSVOA_U
 ClientSampled :
 C08J8

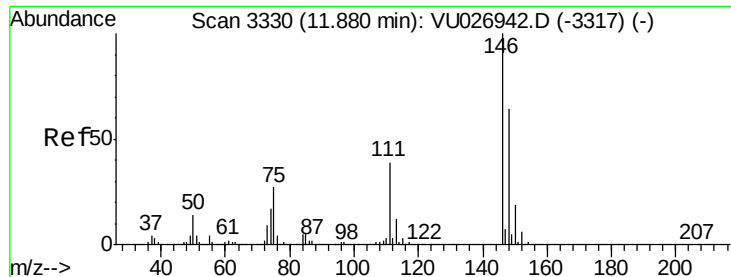
Tot Ion:146 Resp: 314996
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.7 49.7
 148 64.2 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 226.135 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Tgt Ion:146 Resp: 1045576
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.0 48.2
 148 63.3 45.8 85.2



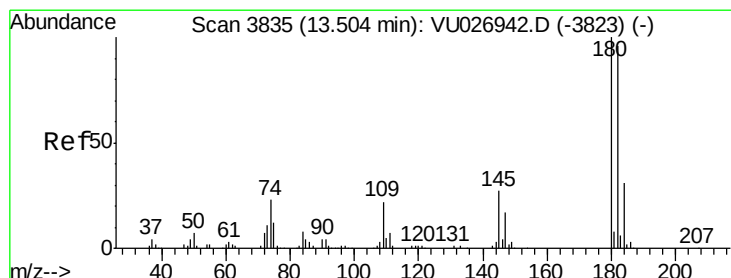
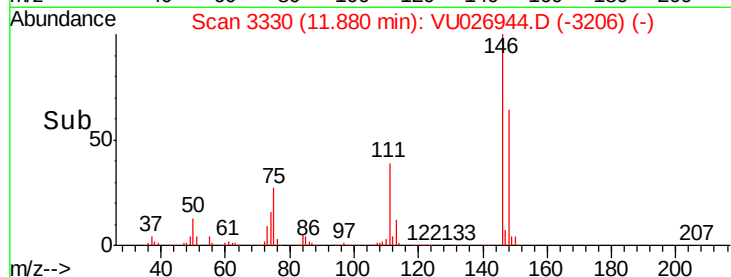
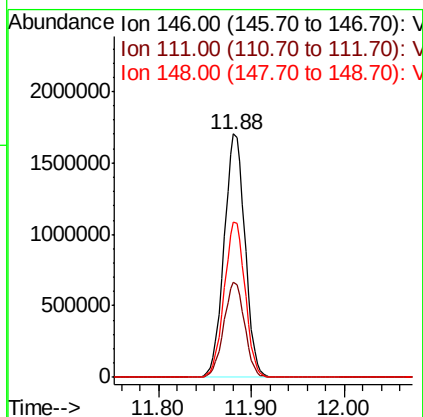
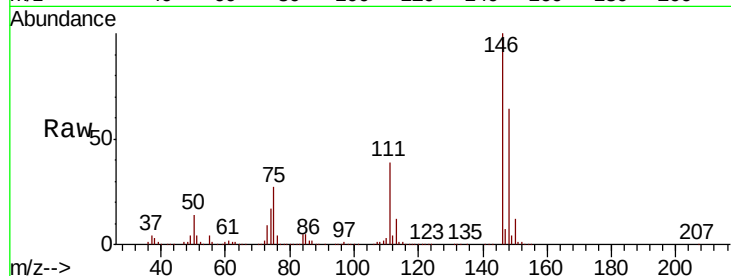


#65
 1,2-Dichlorobenzene
 Concen: 571.100 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampled :
 C08J8

Tot Ion:146 Resp: 2655285

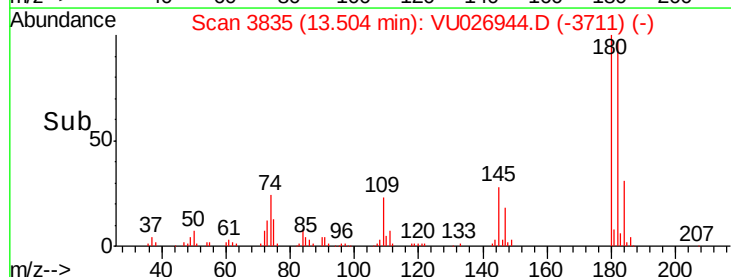
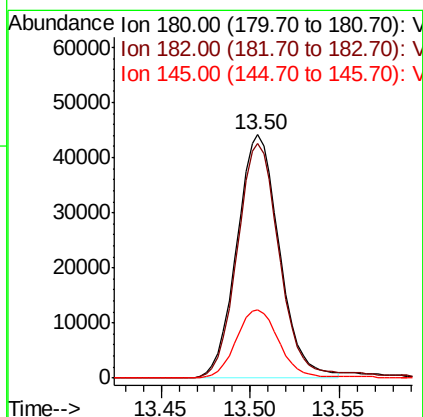
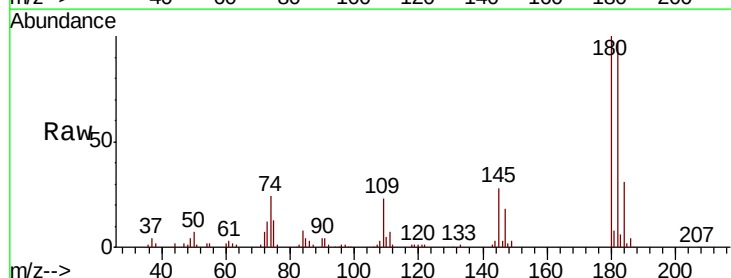
Ion	Ratio	Lower	Upper
146	100		
111	39.1	31.4	47.0
148	63.9	51.4	77.2

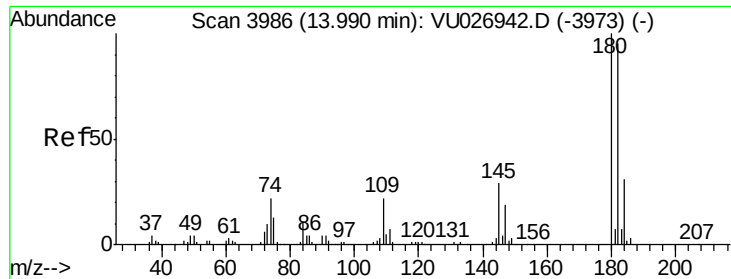


#68
 1,2,4-trichlorobenzene
 Concen: 26.259 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Tgt Ion:180 Resp: 73526

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.8	115.2
145	28.2	22.2	33.2





#70
 1,2,3-Trichlorobenzene
 Concen: 4.047 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 C08J8

Tot Ion:180	Resp:	12478
Ion	Ratio	Lower Upper
180	100	
182	100.2	75.6 113.4
145	30.0	23.8 35.6

