

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026936.D
 Acq On : 20 Sep 2018 14:15
 Operator : MD/SY
 Sample : J4893-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

Quant Time: Sep 21 05:13:54 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	277054	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	257309	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	128305	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75021	36.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.20%
7) Chloroethane-d5	1.68	69	63289	36.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.16%
11) 1,1-Dichloroethene-d2	2.27	63	103675	26.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.46%#
21) 2-Butanone-d5	4.18	46	98458	72.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.39%
24) Chloroform-d	4.65	84	129789	34.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.28%#
26) 1,2-Dichloroethane-d4	5.31	65	83304	34.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.60%#
32) Benzene-d6	5.34	84	268136	37.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.36%
36) 1,2-Dichloropropane-d6	6.33	67	85474	36.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.58%
41) Toluene-d8	7.57	98	231392	35.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.04%#
43) trans-1,3-Dichloropropene-	7.85	79	36233	34.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.86%
47) 2-Hexanone-d5	8.31	63	69785	76.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113445	35.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	70.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	103251	38.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.36%#

Target Compounds

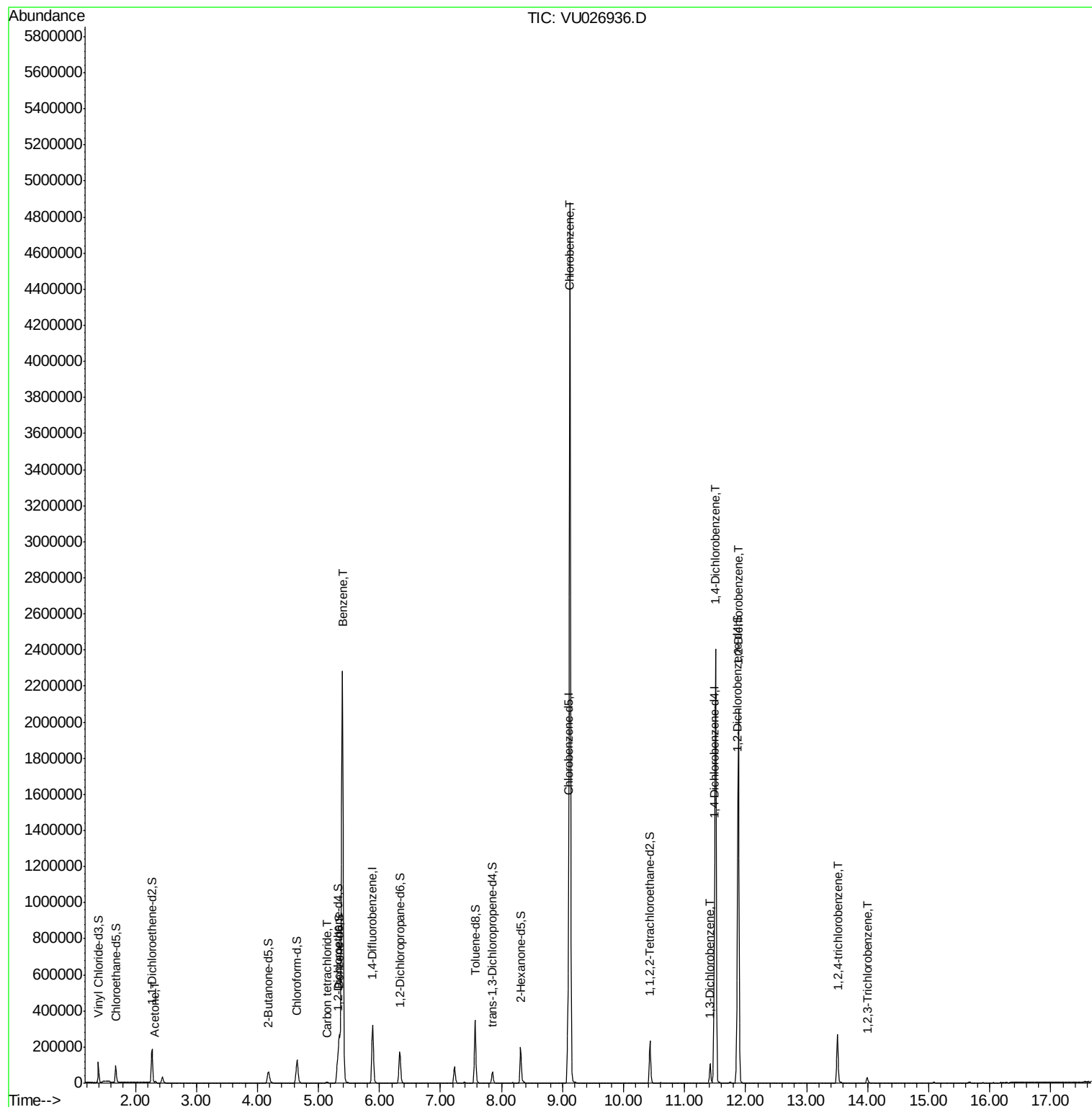
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	8231	6.157	ug/L	98
31) Carbon tetrachloride	5.14	117	3244	1.183	ug/L	93
33) Benzene	5.39	78	2235970	280.282	ug/L	100
51) Chlorobenzene	9.12	112	2615581	477.482	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	47258	12.082	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	972753	225.859	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	845357	195.193	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	95031	36.435	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	11623	4.047	ug/L	96

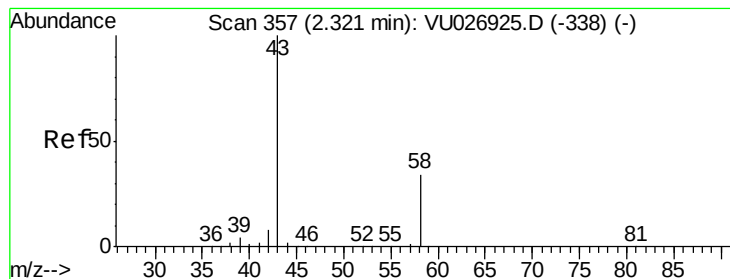
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.157 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

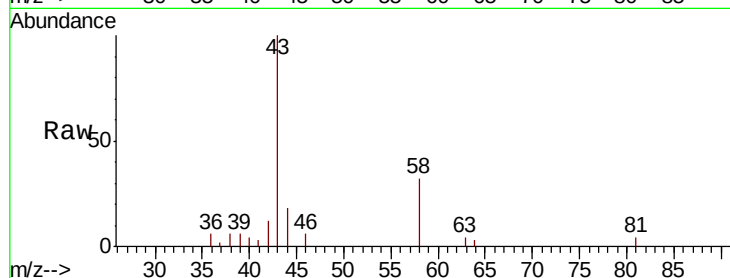
C08N0

Tot Ion: 43 Resp: 8231

Ion Ratio Lower Upper

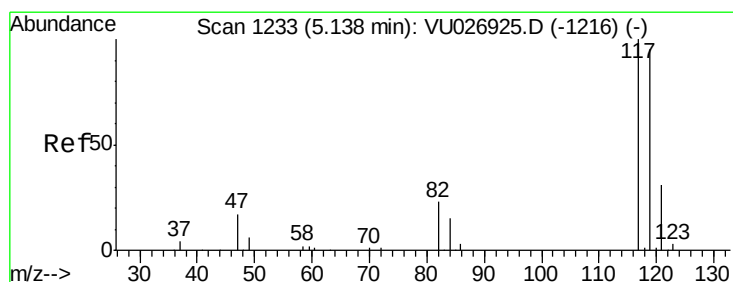
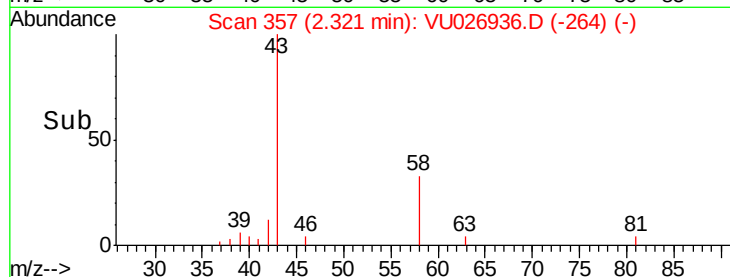
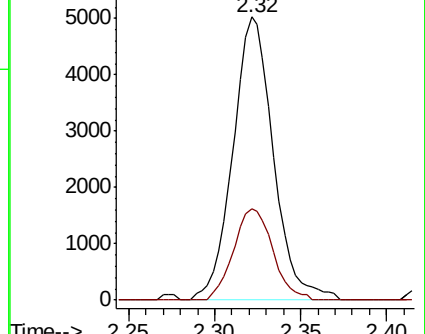
43 100

58 31.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU026925.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU026925.D (-338) (-)



#31

Carbon tetrachloride

Concen: 1.183 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026936.D

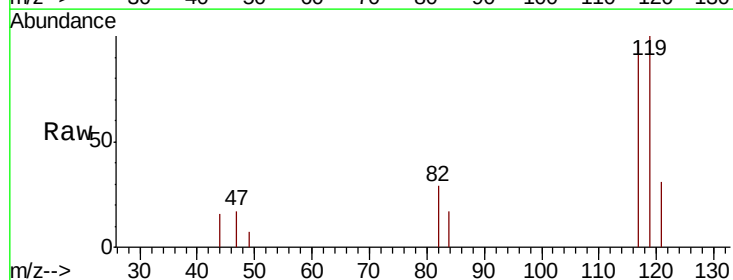
Acq: 20 Sep 2018 14:15

Tgt Ion: 117 Resp: 3244

Ion Ratio Lower Upper

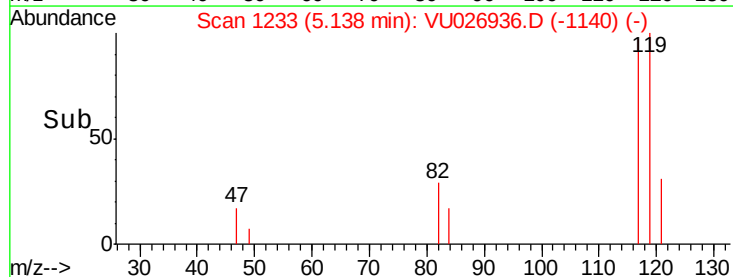
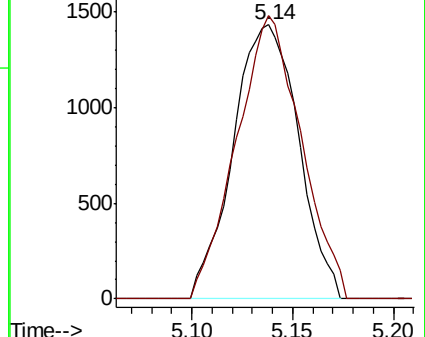
117 100

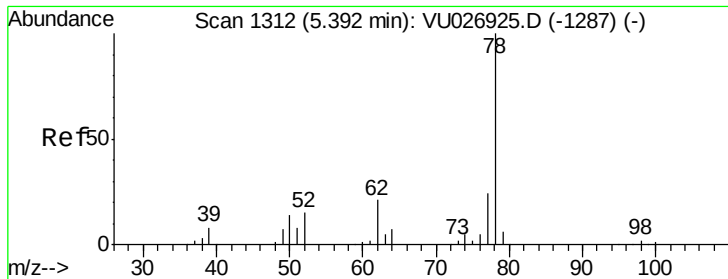
119 102.1 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): VU026925.D (-1216) (-)

Ion 119.00 (118.70 to 119.70): VU026925.D (-1216) (-)





#33

Benzene

Concen: 280.282 ug/L

RT: 5.39 min Scan# 1312

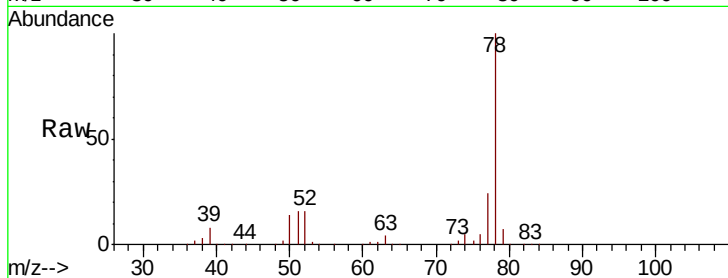
Delta R.T. 0.00 min

Lab File: VU026936.D

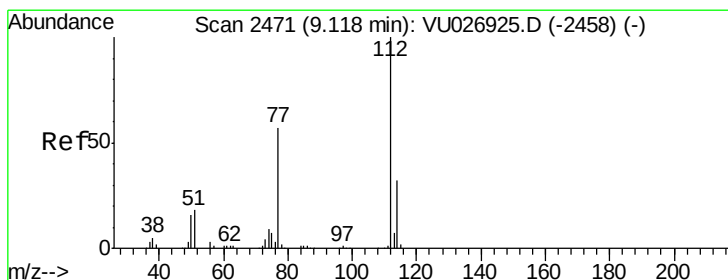
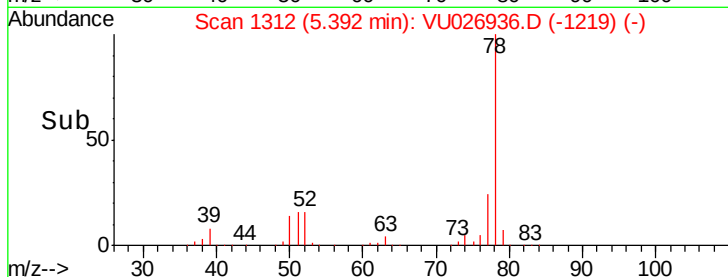
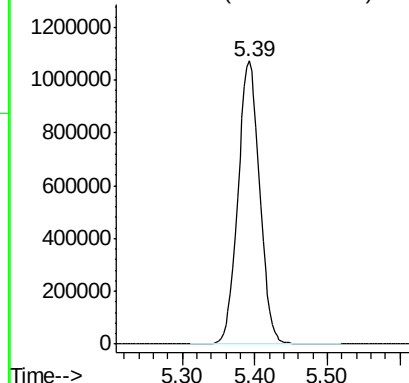
Acq: 20 Sep 2018 14:15

Instrument :
MSVOA_U
ClientSampleId :
C08N0

Tgt Ion: 78 Resp: 2235970



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 477.482 ug/L

RT: 9.12 min Scan# 2472

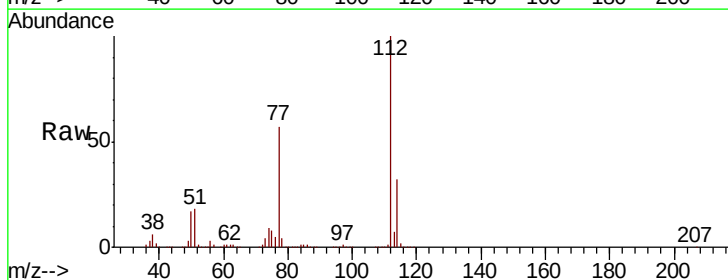
Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Tgt Ion: 112 Resp: 2615581

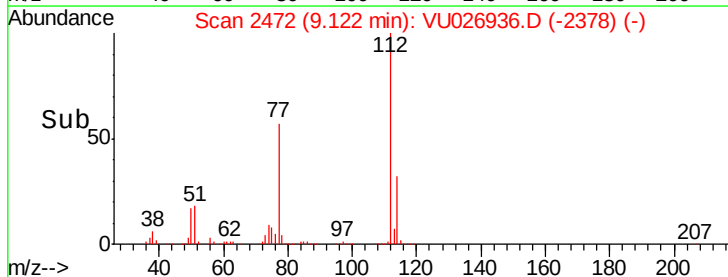
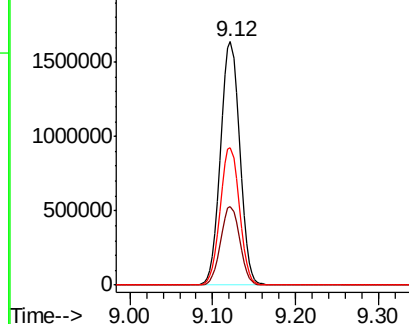
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.5
77	56.6	45.1	67.7

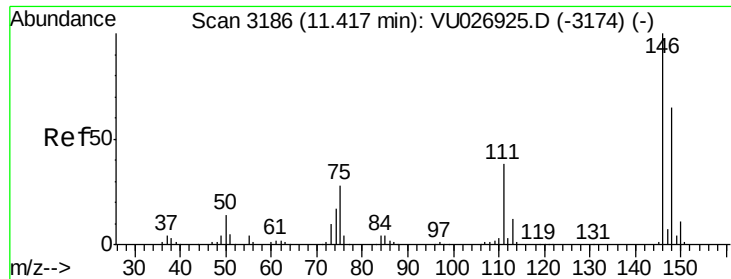


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 12.082 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Instrument :

MSVOA_U

ClientSampled :

C08N0

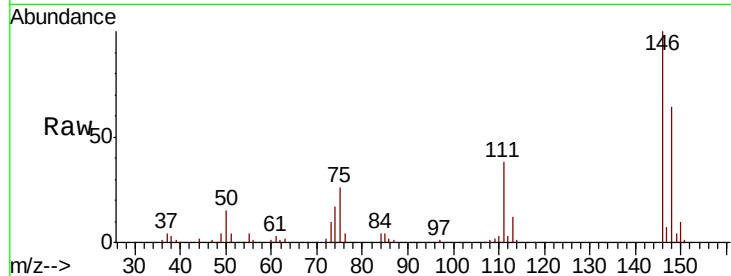
Tot Ion:146 Resp: 47258

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

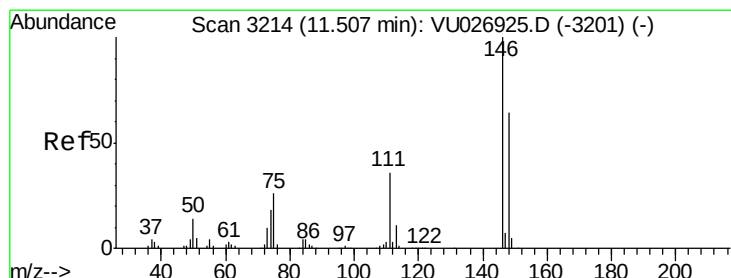
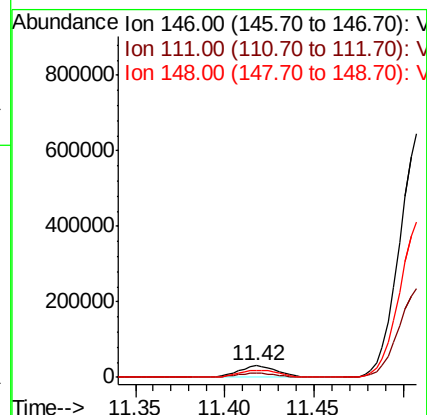
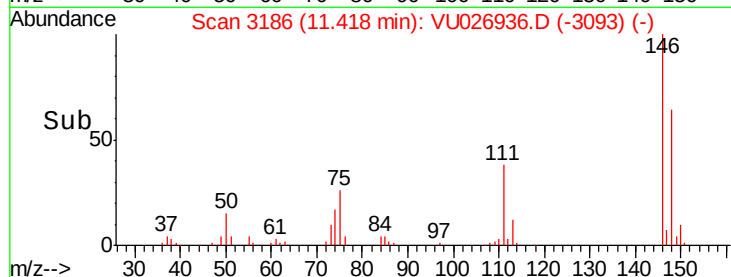
148 63.6 44.9 83.5



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: 225.859 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

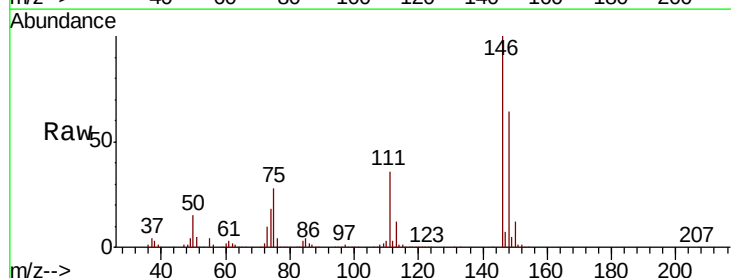
Tgt Ion:146 Resp: 972753

Ion Ratio Lower Upper

146 100

111 36.3 26.0 48.2

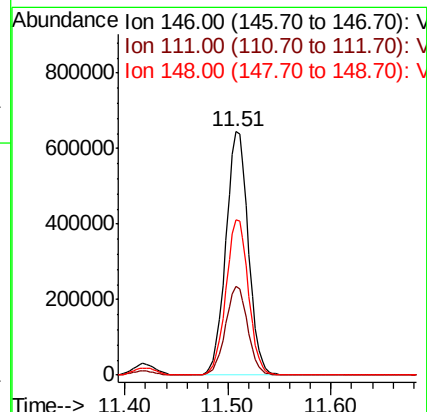
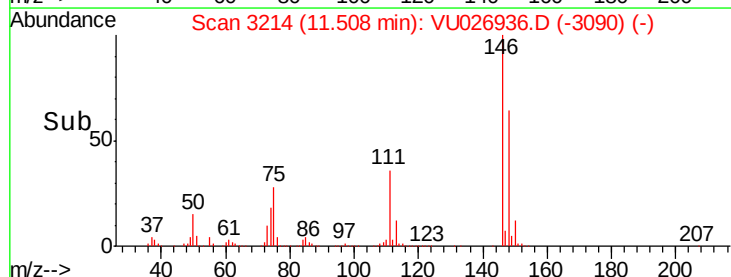
148 63.8 45.8 85.2

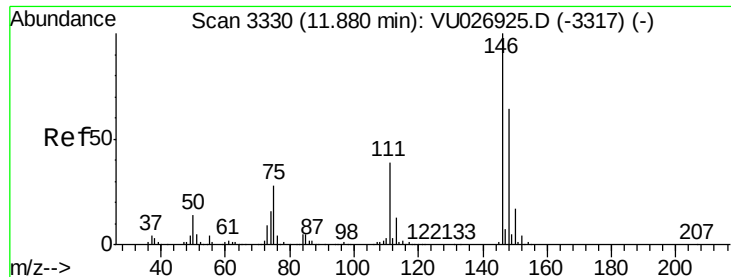


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 195.193 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Instrument :

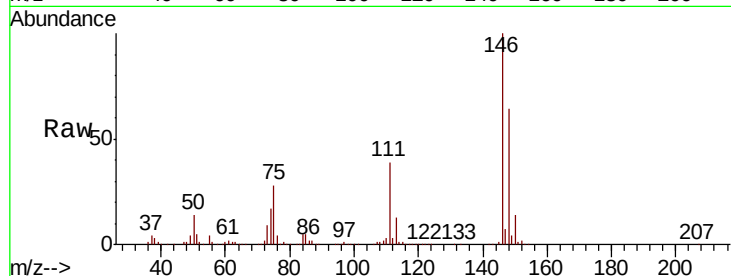
MSVOA_U

ClientSampleId :

C08N0

Tot Ion:146 Resp: 845357

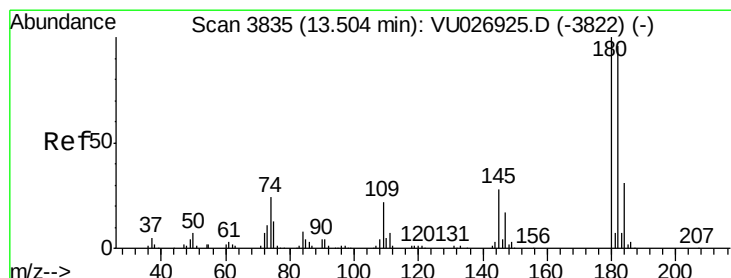
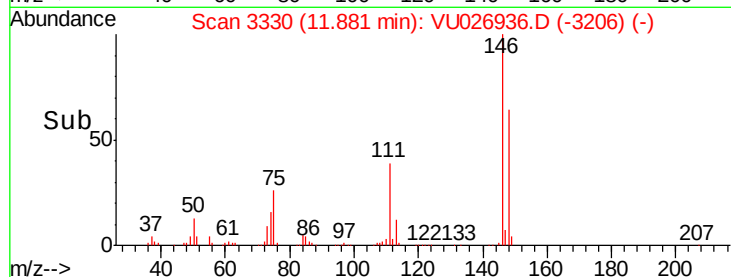
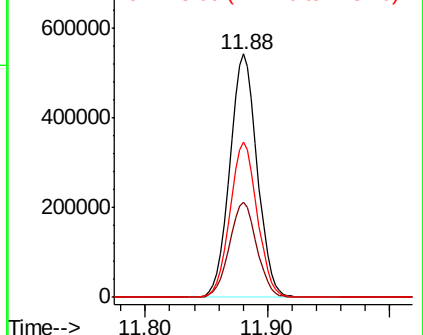
Ion	Ratio	Lower	Upper
146	100		
111	39.1	31.4	47.0
148	63.9	51.4	77.2



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



#68

1,2,4-trichlorobenzene

Concen: 36.435 ug/L

RT: 13.50 min Scan# 3835

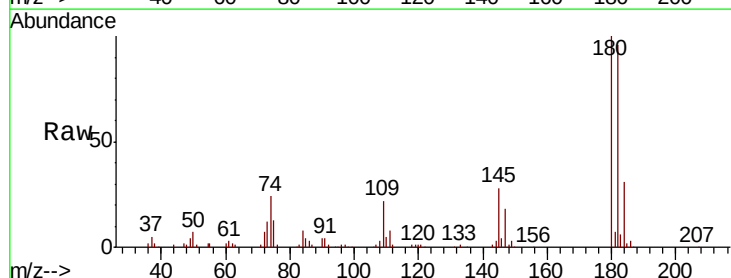
Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Tgt Ion:180 Resp: 95031

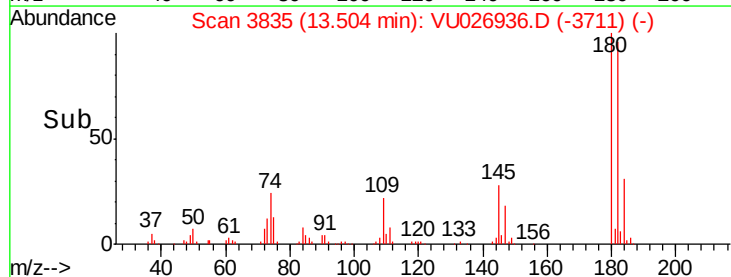
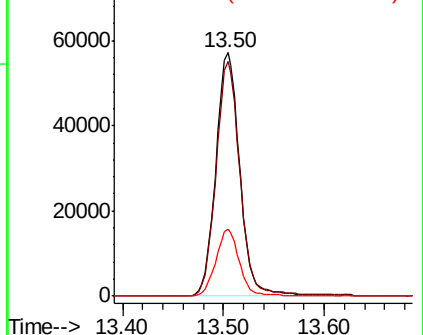
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	27.0	22.2	33.2

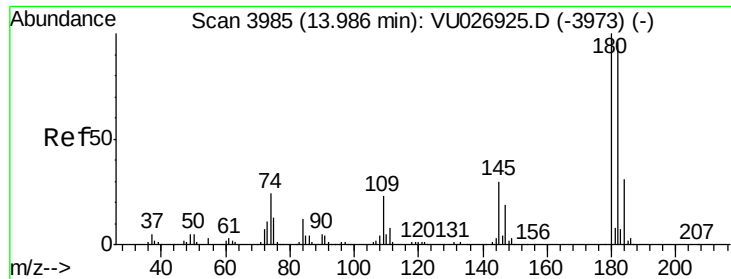


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 4.047 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026936.D
 Acq: 20 Sep 2018 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	75.6	113.4
145	29.3	23.8	35.6

