

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026868.D
 Acq On : 18 Sep 2018 17:34
 Operator : MD/SY
 Sample : J4896-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M5

Quant Time: Sep 19 07:33:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	149179	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	149956	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75694	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56140	50.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.74%
7) Chloroethane-d5	1.68	69	53741	56.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.27	63	83873	40.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.34%
21) 2-Butanone-d5	4.18	46	115548	157.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	157.78%#
24) Chloroform-d	4.65	84	126000	61.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.10%
26) 1,2-Dichloroethane-d4	5.31	65	83618	64.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	129.74%#
32) Benzene-d6	5.34	84	242088	57.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.22%
36) 1,2-Dichloropropane-d6	6.33	67	84268	62.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	124.46%#
41) Toluene-d8	7.57	98	197712	52.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.14%
43) trans-1,3-Dichloropropene-	7.85	79	34372	56.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.70%
47) 2-Hexanone-d5	8.31	63	76544	143.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	143.83%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	122274	64.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	129.52%#
64) 1,2-Dichlorobenzene-d4	11.86	152	93361	59.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.58%

Target Compounds

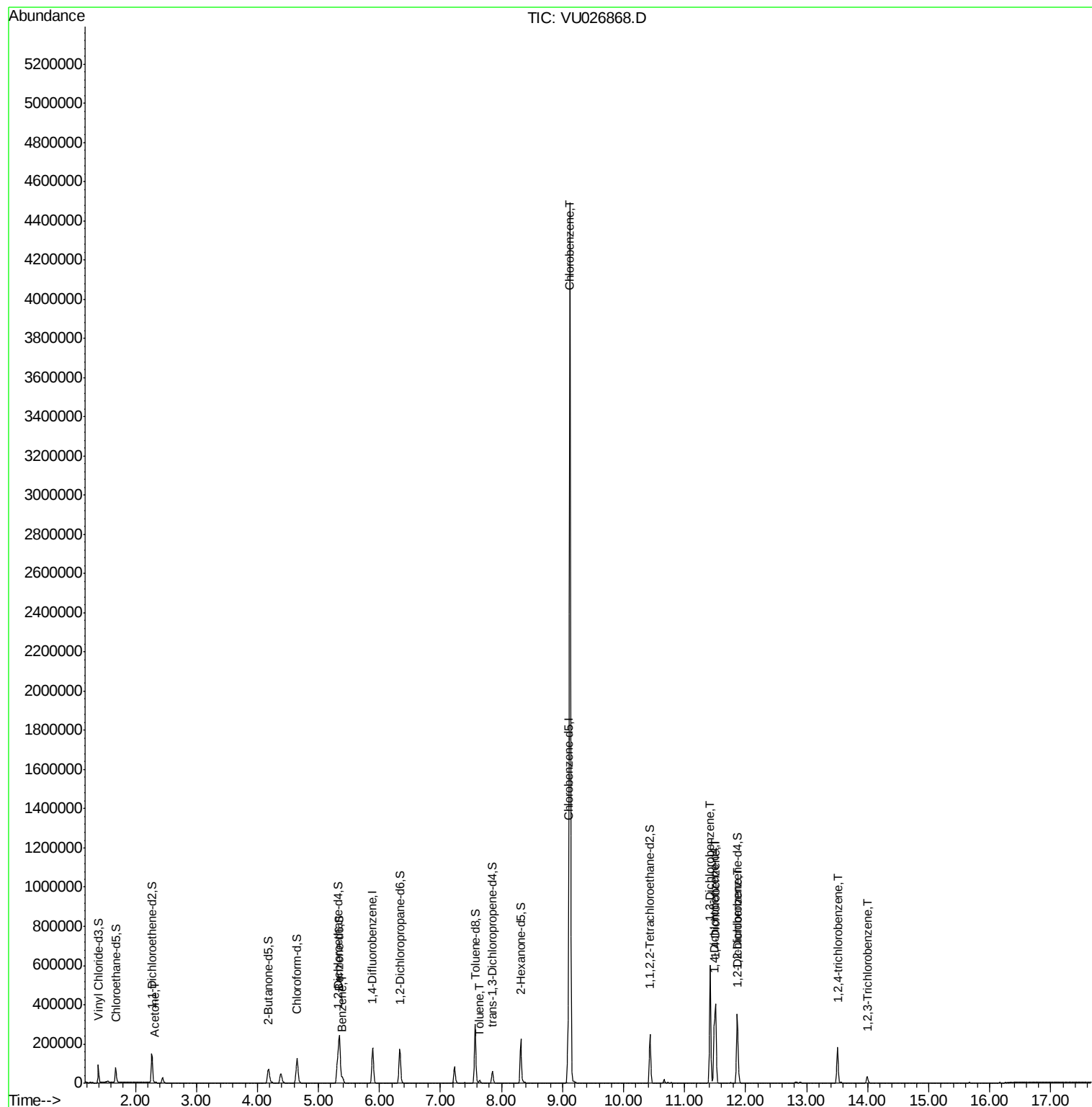
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	5443	7.562	ug/L	95
33) Benzene	5.39	78	30013	6.456	ug/L	100
42) Toluene	7.64	91	10028	2.131	ug/L	95
51) Chlorobenzene	9.12	112	2372060	743.029	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	247407	107.219	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	157613	62.031	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	26078	10.207	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	61094	39.704	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	12940	7.636	ug/L	97

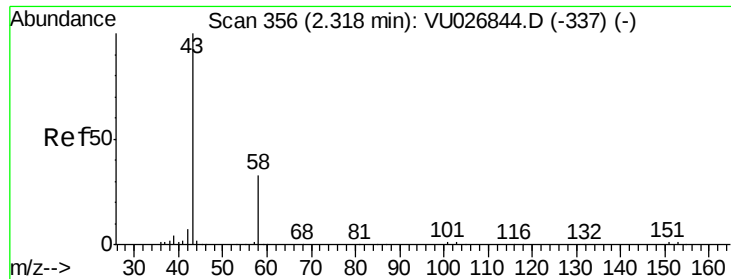
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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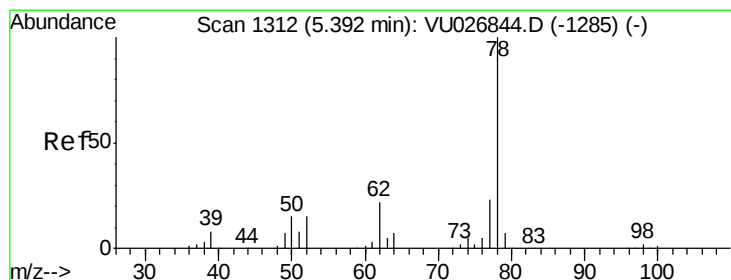
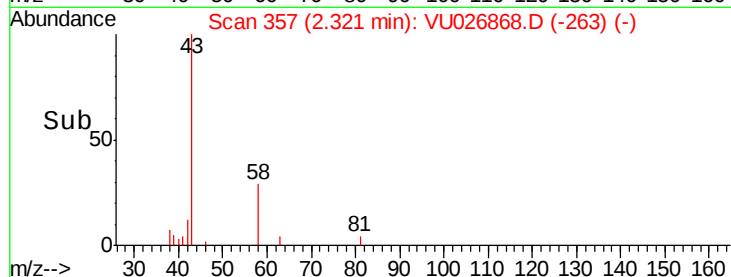
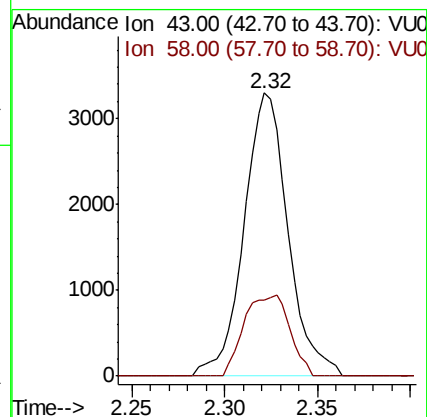
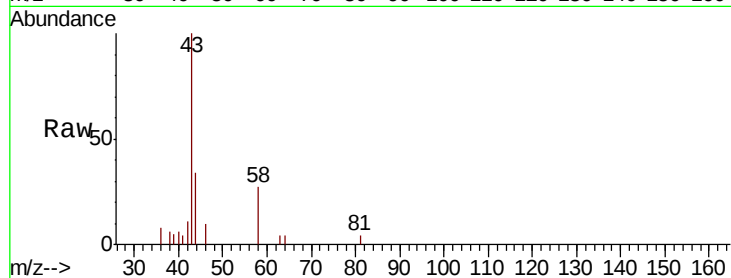




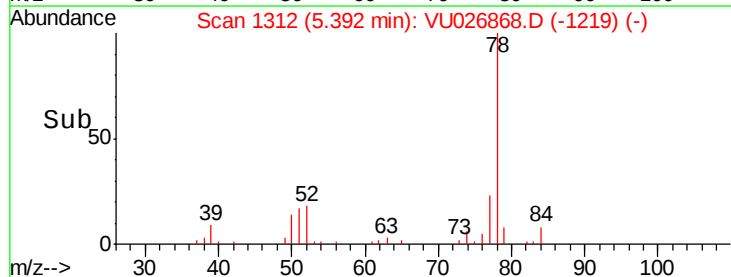
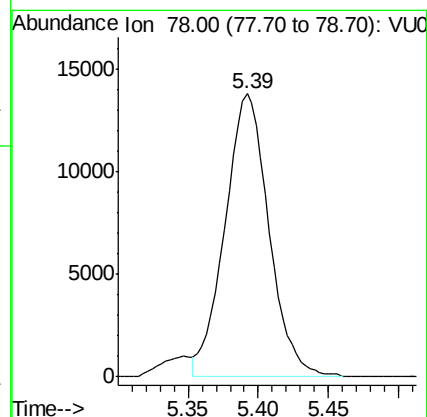
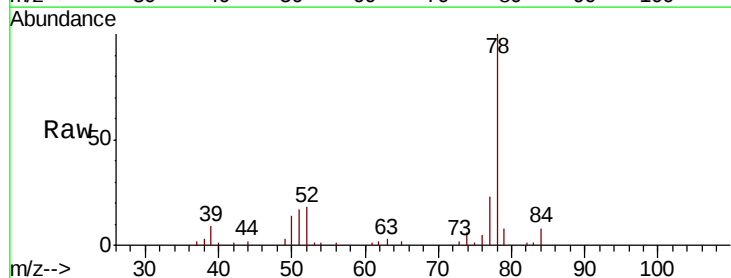
#13
Acetone
Concen: 7.562 ug/L
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU026868.D
Acq: 18 Sep 2018 17:34

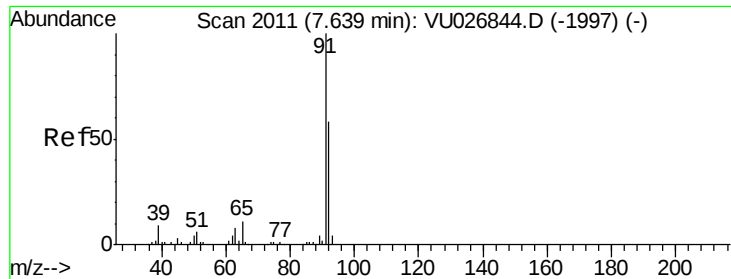
Instrument :
MSVOA_U
ClientSampleId :
C08M5

Tot Ion: 43 Resp: 5443
Ion Ratio Lower Upper
43 100
58 29.6 0.0 64.6



#33
Benzene
Concen: 6.456 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026868.D
Acq: 18 Sep 2018 17:34
Tgt Ion: 78 Resp: 30013





#42

Toluene

Concen: 2.131 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

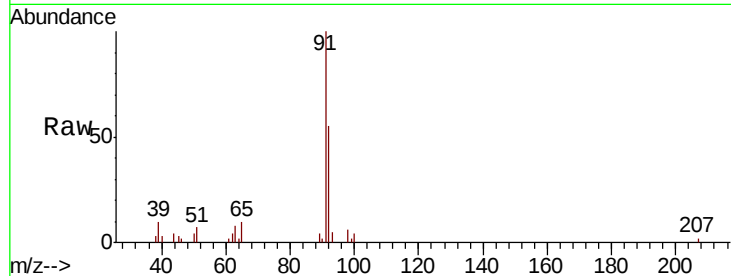
C08M5

Tot Ion: 91 Resp: 10028

Ion Ratio Lower Upper

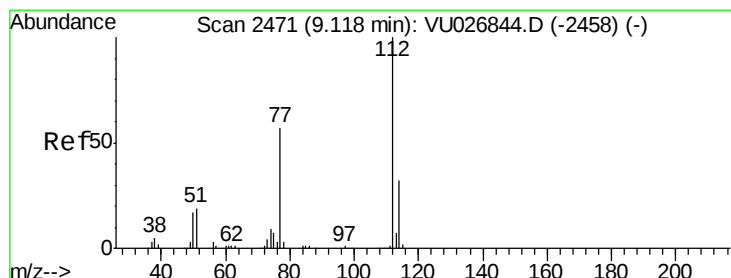
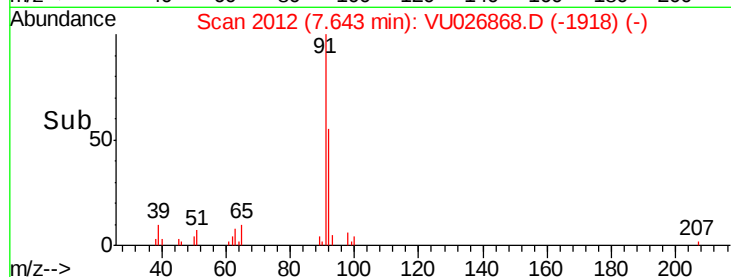
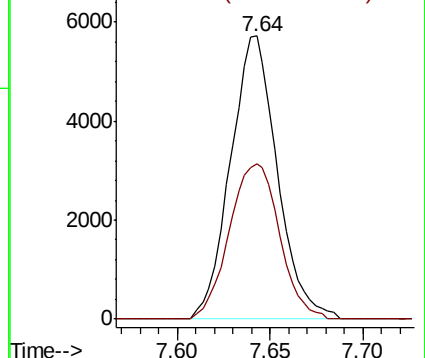
91 100

92 55.0 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU026844.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU026844.D (-1997) (-)



#51

Chlorobenzene

Concen: 743.029 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

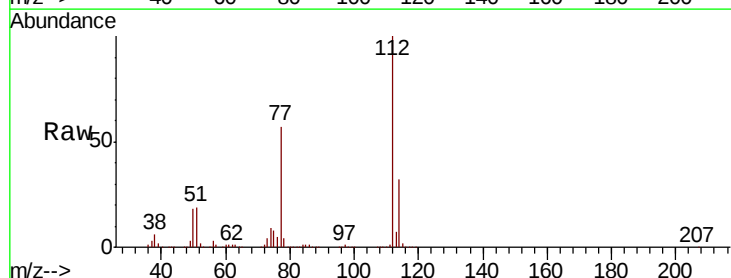
Tgt Ion: 112 Resp: 2372060

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.5

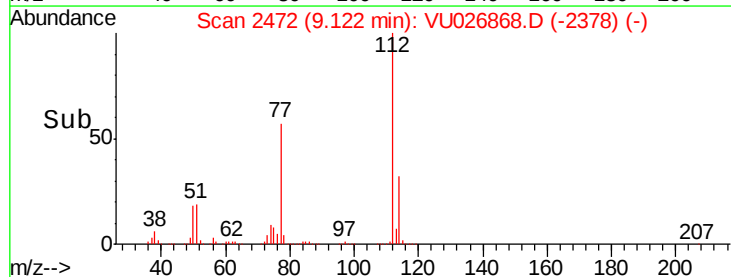
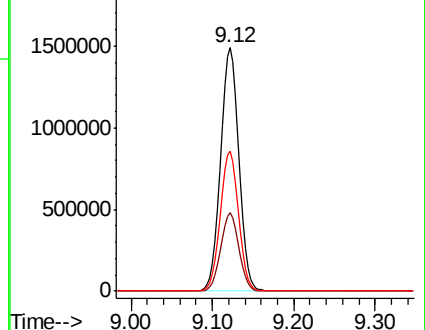
77 57.3 45.1 67.7

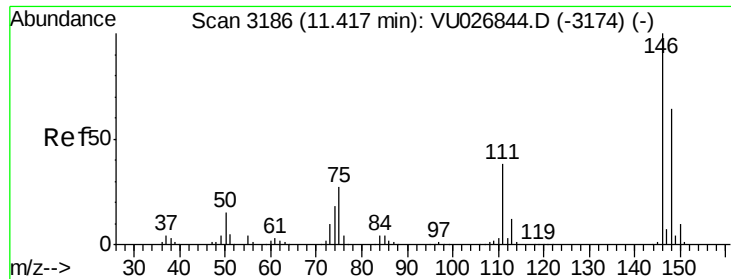


Abundance Ion 112.00 (111.70 to 112.70): VU026844.D (-2458) (-)

Ion 114.00 (113.70 to 114.70): VU026844.D (-2458) (-)

Ion 77.00 (76.70 to 77.70): VU026844.D (-2458) (-)





#62

1,3-Dichlorobenzene

Concen: 107.219 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

C08M5

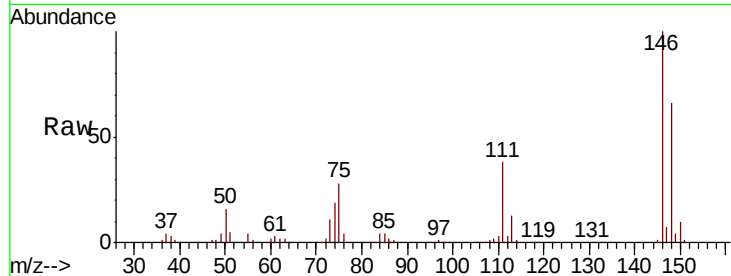
Tot Ion:146 Resp: 247407

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

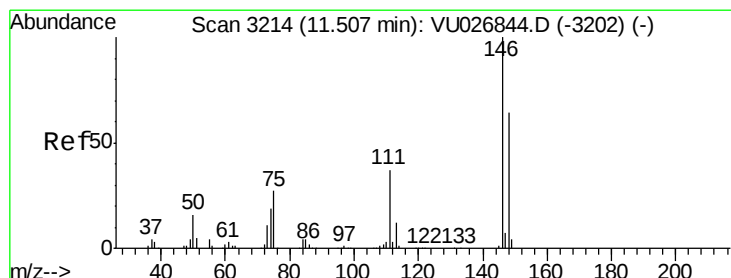
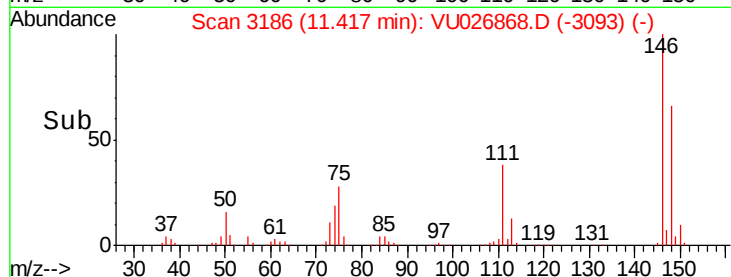
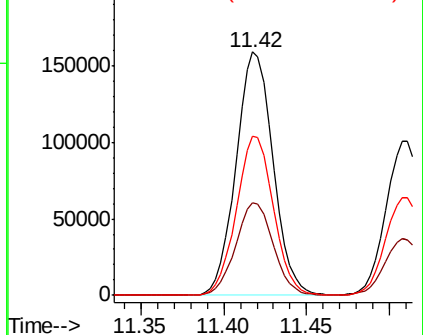
148 65.6 44.9 83.5



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: 62.031 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

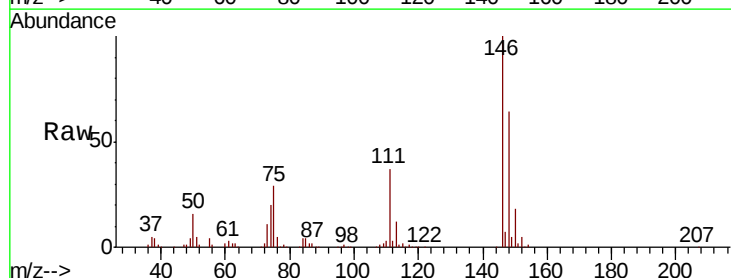
Tgt Ion:146 Resp: 157613

Ion Ratio Lower Upper

146 100

111 36.6 26.0 48.2

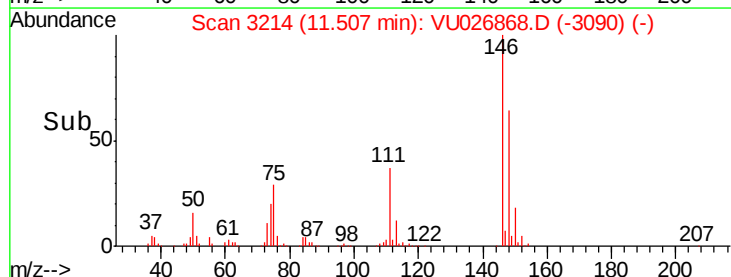
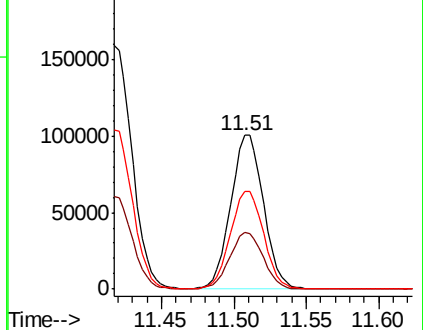
148 63.7 45.8 85.2

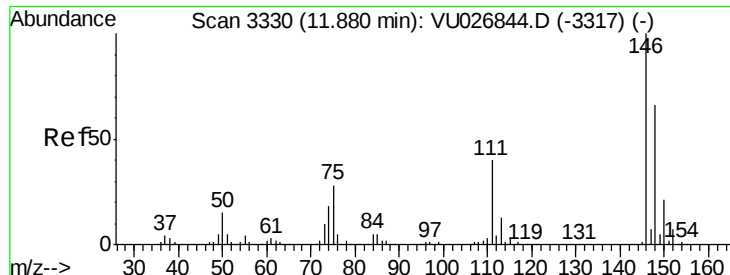


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.207 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

C08M5

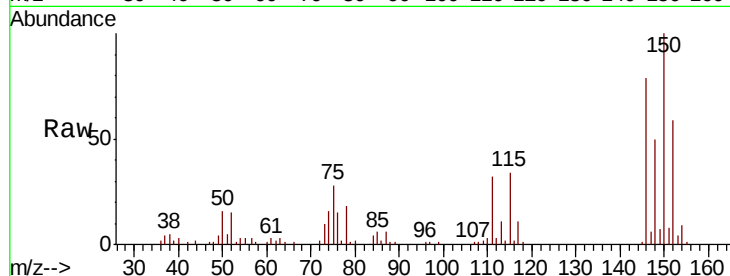
Tot Ion:146 Resp: 26078

Ion Ratio Lower Upper

146 100

111 40.3 31.4 47.0

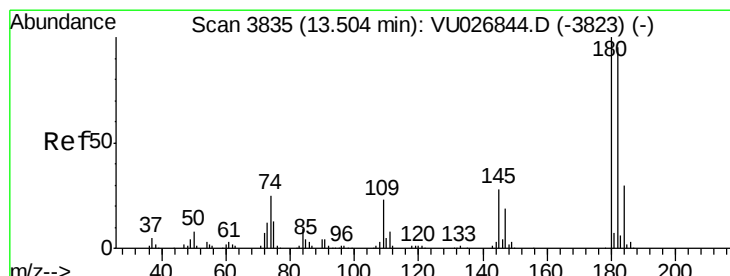
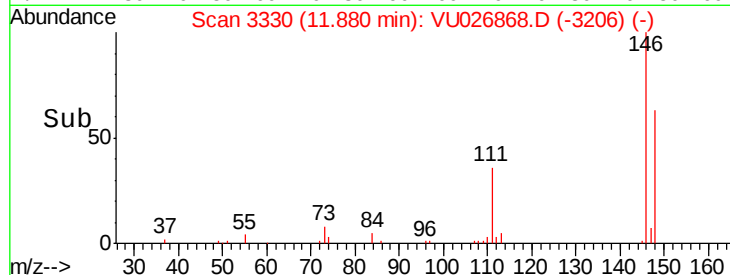
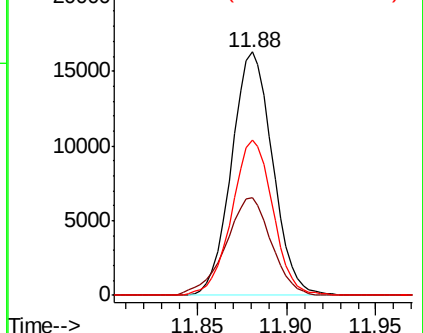
148 63.6 51.4 77.2



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: 39.704 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

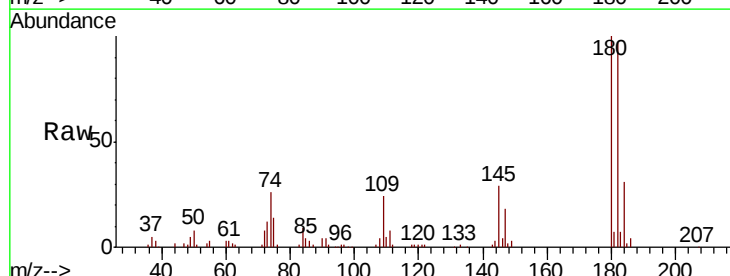
Tgt Ion:180 Resp: 61094

Ion Ratio Lower Upper

180 100

182 97.8 76.8 115.2

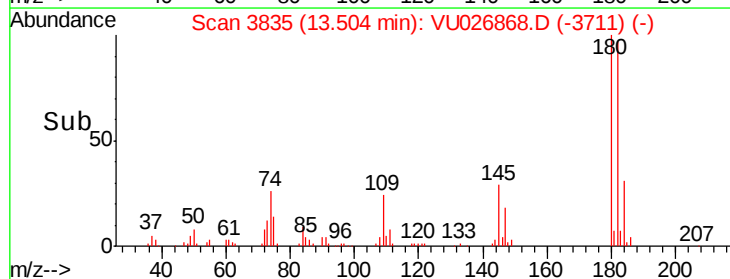
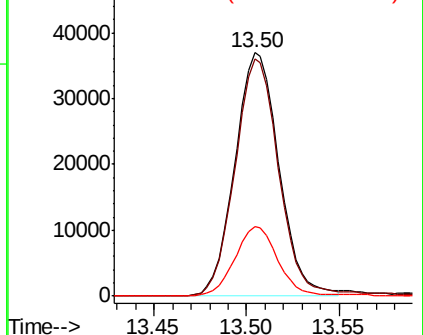
145 27.5 22.2 33.2

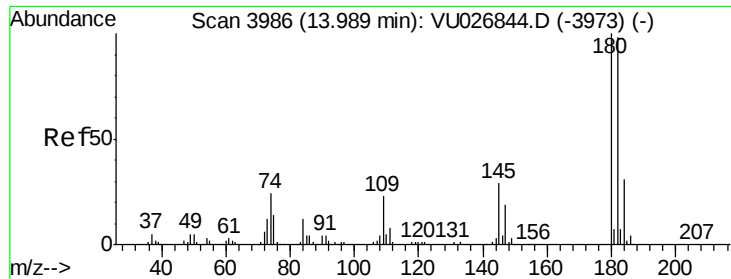


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 7.636 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M5

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	97.0	75.6	113.4	
145	28.1	23.8	35.6	

