

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026858.D
 Acq On : 18 Sep 2018 13:41
 Operator : MD/SY
 Sample : J4896-08 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L2

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 5:26:42 PM

Quant Time: Sep 19 07:00:21 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	242288	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	243513	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117548	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78275	43.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.34%
7) Chloroethane-d5	1.68	69	71662	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.42%
11) 1,1-Dichloroethene-d2	2.27	63	118518	34.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.90%
21) 2-Butanone-d5	4.18	46	135618	114.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.02%
24) Chloroform-d	4.65	84	158474	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.31	65	106779	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
32) Benzene-d6	5.34	84	324328	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
36) 1,2-Dichloropropane-d6	6.33	67	106531	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.90%
41) Toluene-d8	7.57	98	283369	45.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.92%
43) trans-1,3-Dichloropropene-	7.85	79	45446	46.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.58%
47) 2-Hexanone-d5	8.31	63	95719	110.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145535	47.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	129608m	53.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.39	78	108859	14.419	ug/L	100
51) Chlorobenzene	9.13	112	11754512	2267.392	ug/L	94
62) 1,3-Dichlorobenzene	11.42	146	98057	27.364	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	534970	135.579	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	3335519	840.650	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	330577	138.342	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	53035	20.154	ug/L	97

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

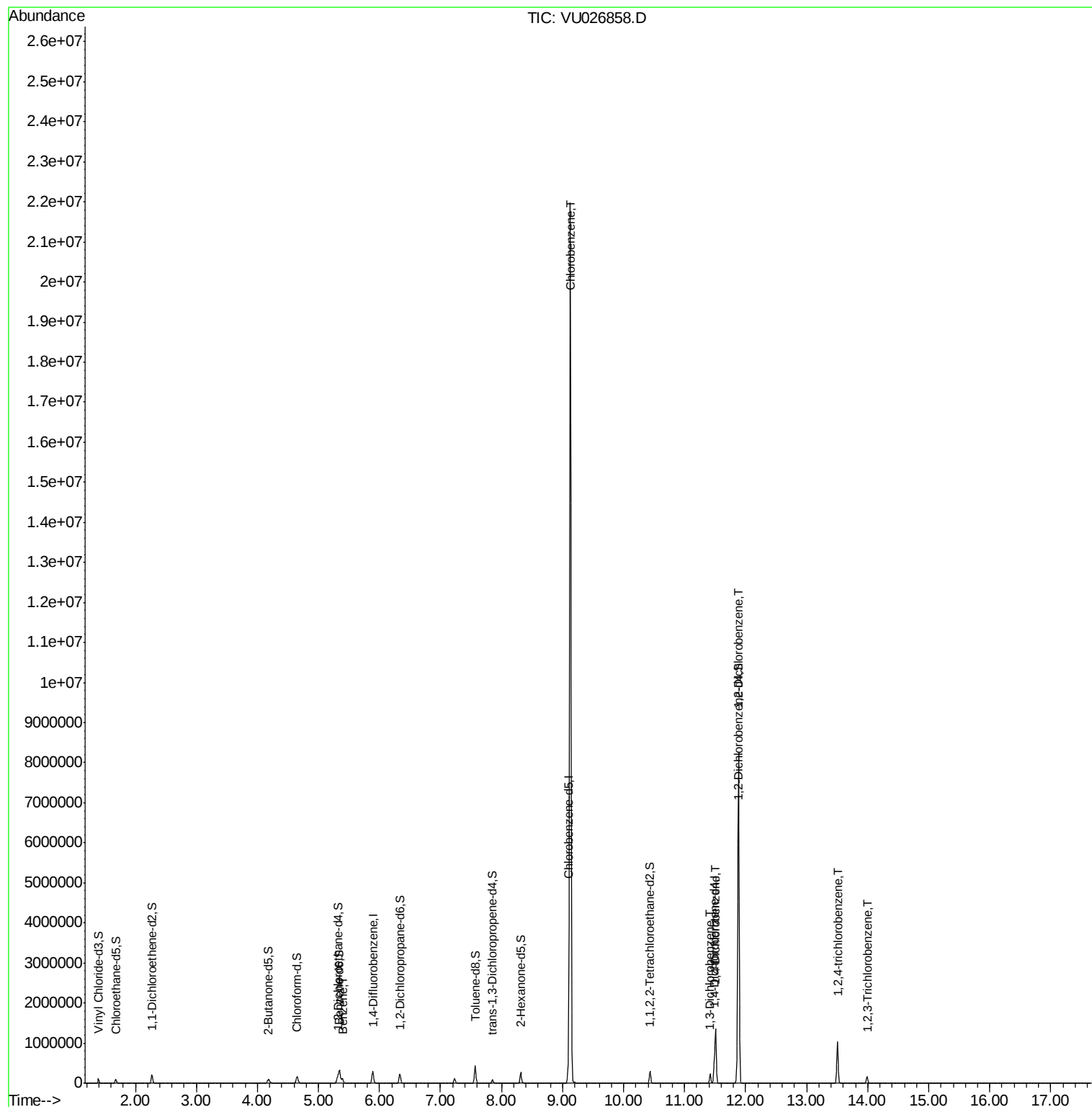
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091818\
Data File : VU026858.D
Acq On : 18 Sep 2018 13:41
Operator : MD/SY
Sample : J4896-08 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

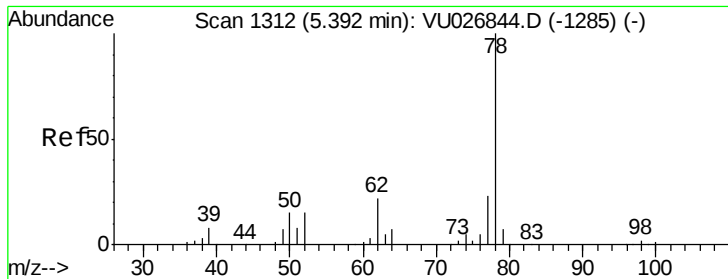
Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: Sep 19 07:00:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration





#33

Benzene

Concen: 14.419 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Instrument :

MSVOA_U

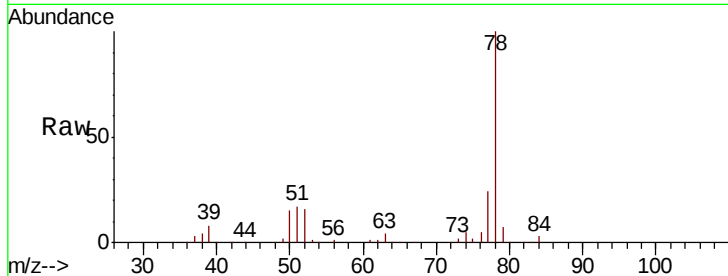
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C08L2

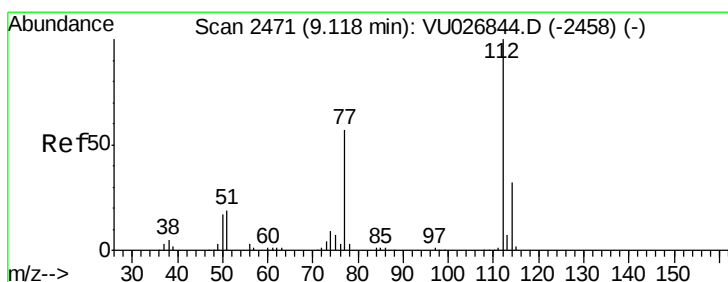
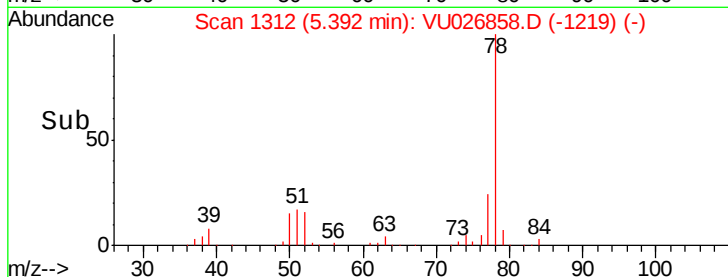
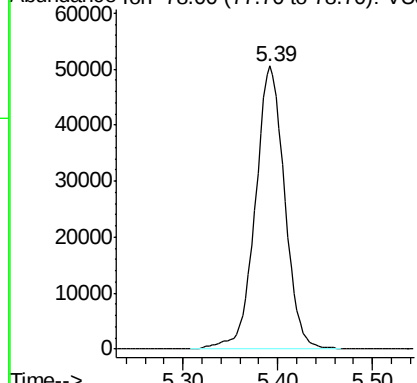
Tgt Ion: 78 Resp: 108859

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 2267.392 ug/L

RT: 9.13 min Scan# 2474

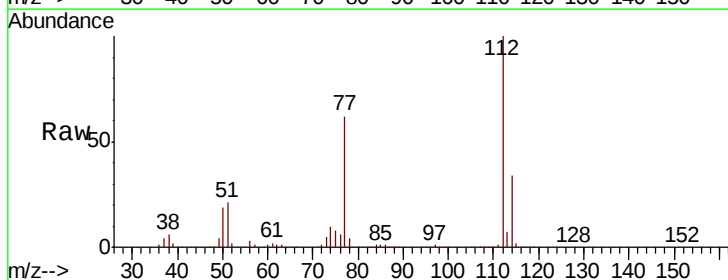
Delta R.T. 0.01 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Tgt Ion: 112 Resp: 11754512

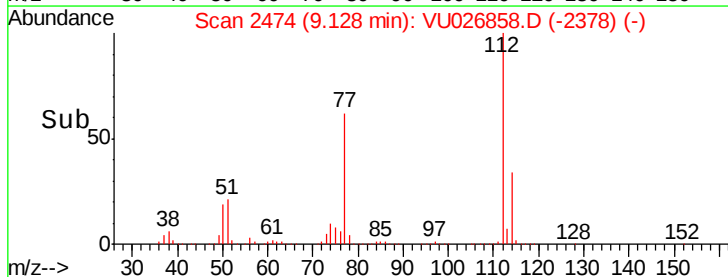
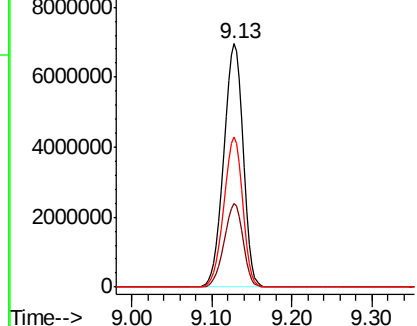
Ion	Ratio	Lower	Upper
112	100		
114	34.3	22.3	41.5
77	61.7	45.1	67.7

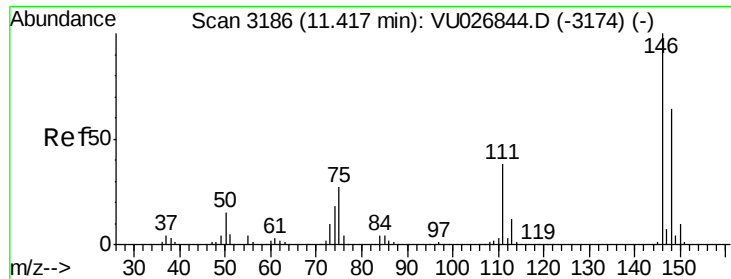


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 27.364 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Instrument :

MSVOA_U

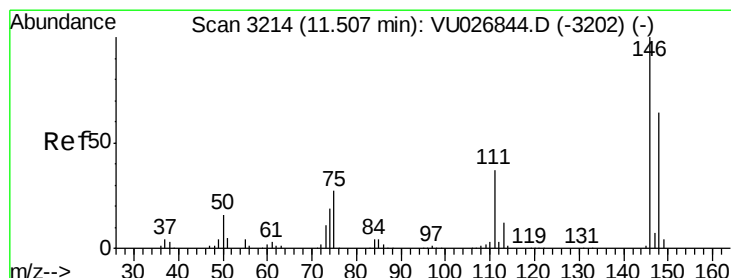
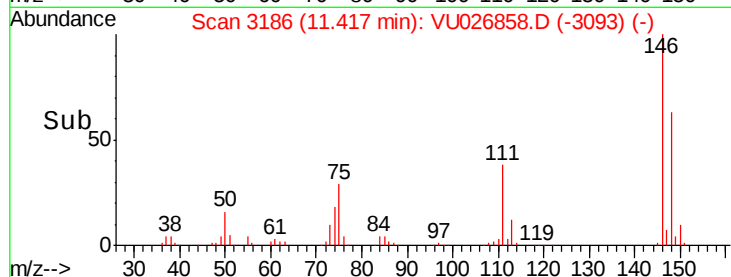
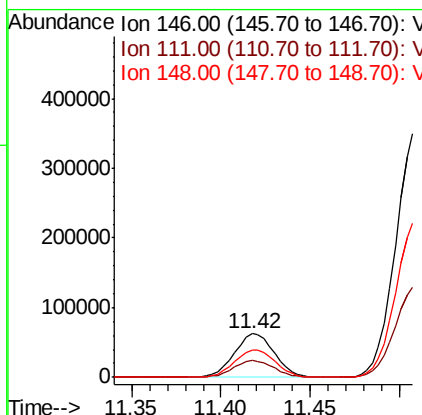
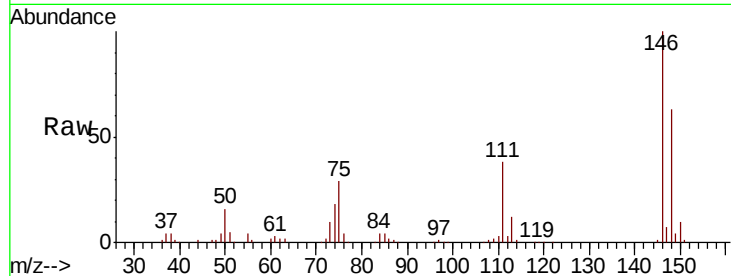
ClientSampled :

C08L2

Tot Ion:	146	Resp:	98057
Ion Ratio	Lower	Upper	
146	100		
111	37.9	26.7	49.7
148	63.0	44.9	83.5

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#63

1,4-Dichlorobenzene

Concen: 135.579 ug/L

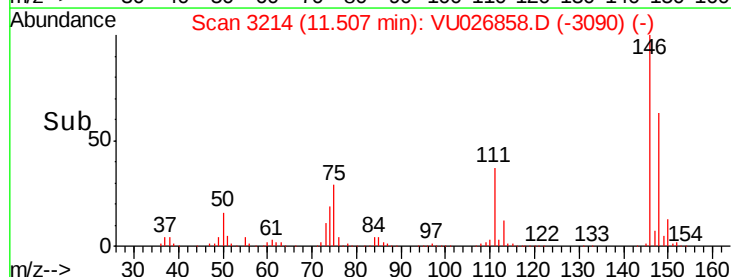
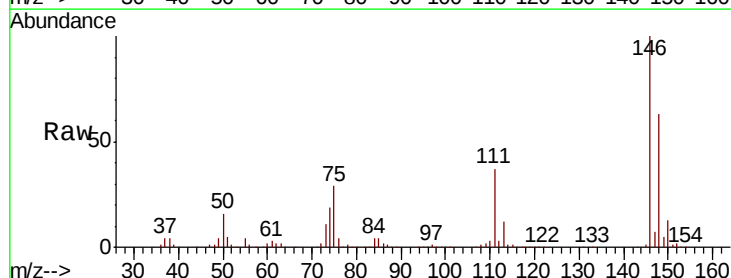
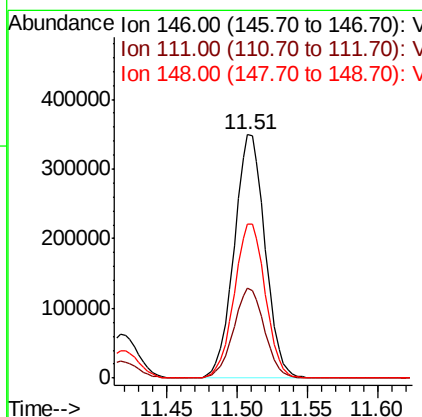
RT: 11.51 min Scan# 3214

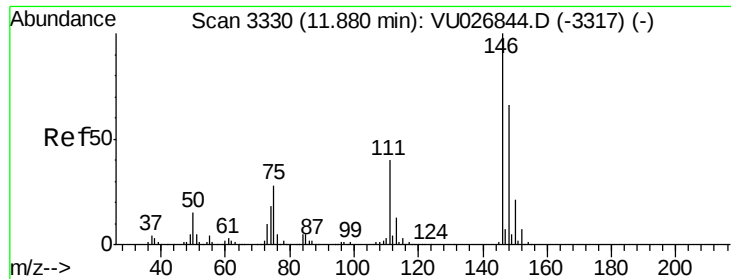
Delta R.T. 0.00 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Tgt Ion:	146	Resp:	534970
Ion Ratio	Lower	Upper	
146	100		
111	36.8	26.0	48.2
148	63.3	45.8	85.2





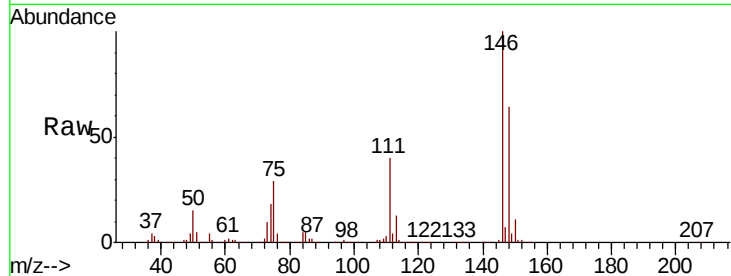
#65
 1,2-Dichlorobenzene
 Concen: 840.650 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Instrument :
 MSVOA_U
 ClientSampled :
 C08L2

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.4	47.0
148	64.4	51.4	77.2

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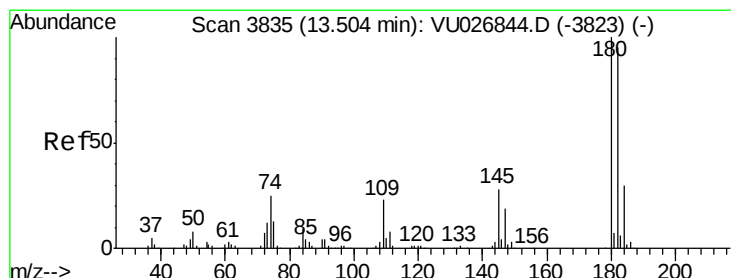
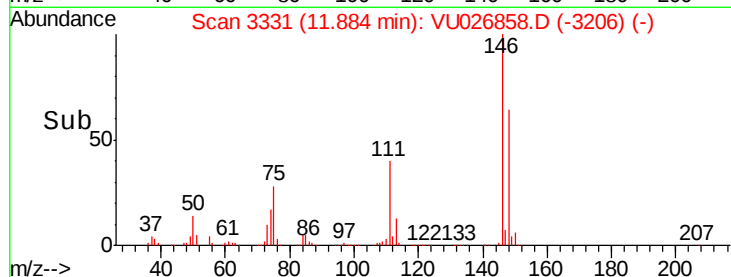
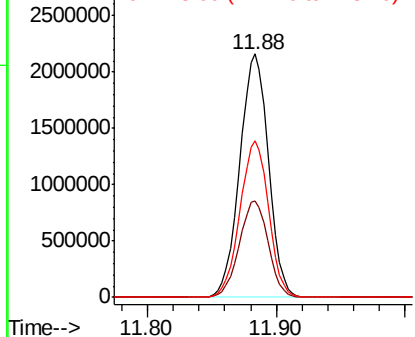


Abundance

Ion 146.00 (145.70 to 146.70): V

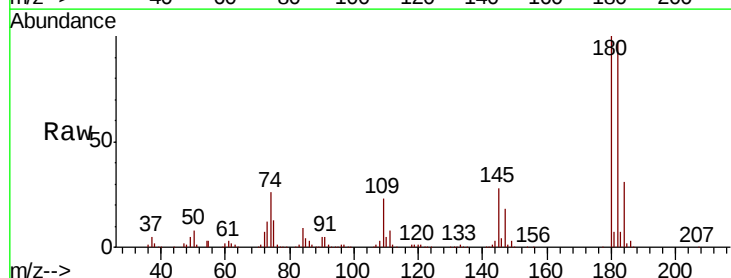
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 138.342 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
145	28.1	22.2	33.2

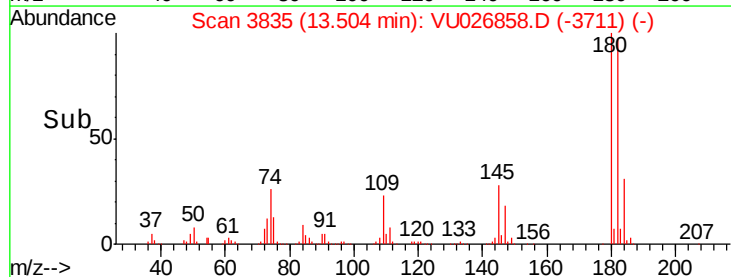
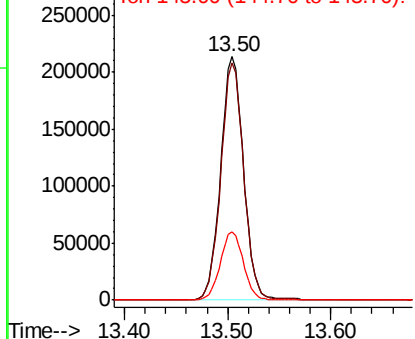


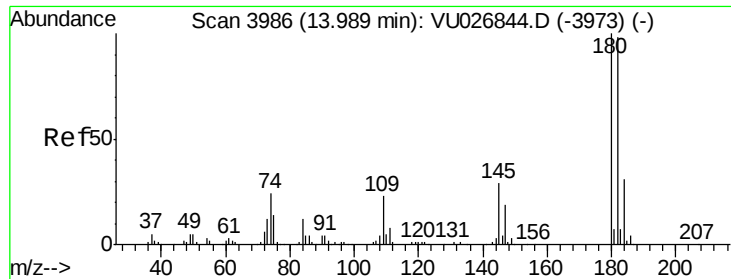
Abundance

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: 20.154 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.6	113.4
145	30.3	23.8	35.6

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