

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030369.D
 Acq On : 24 Mar 2019 14:39
 Operator : JC/SP
 Sample : K2016-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0980

Manual Integrations
 APPROVED

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 3/25/2019 12:35:52 PM

Quant Time: Mar 25 04:19:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 25 03:20:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	408735	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	390294	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	169645	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139961	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.10%
7) Chloroethane-d5	1.68	69	117020	44.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.76%
11) 1,1-Dichloroethene-d2	2.27	63	203771	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.32%
21) 2-Butanone-d5	4.17	46	279165	90.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.28%
24) Chloroform-d	4.64	84	262765	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
26) 1,2-Dichloroethane-d4	5.31	65	173951	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
32) Benzene-d6	5.34	84	536319	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
36) 1,2-Dichloropropane-d6	6.33	67	192526	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.56%
41) Toluene-d8	7.56	98	470762	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	74198	41.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.42%
47) 2-Hexanone-d5	8.31	63	189015	91.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	249189	45.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.94%
64) 1,2-Dichlorobenzene-d4	11.85	152	167935m	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

Target Compounds

					Ovalue
13) Acetone	2.32	43	4332	1.385	ug/L 98
33) Benzene	5.39	78	142293	10.710	ug/L 100
51) Chlorobenzene	9.12	112	2854011	341.521	ug/L 98
62) 1,3-Dichlorobenzene	11.41	146	123741	22.304	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	852165	149.205	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	1305744	232.763	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	12022	3.331	ug/L 93

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

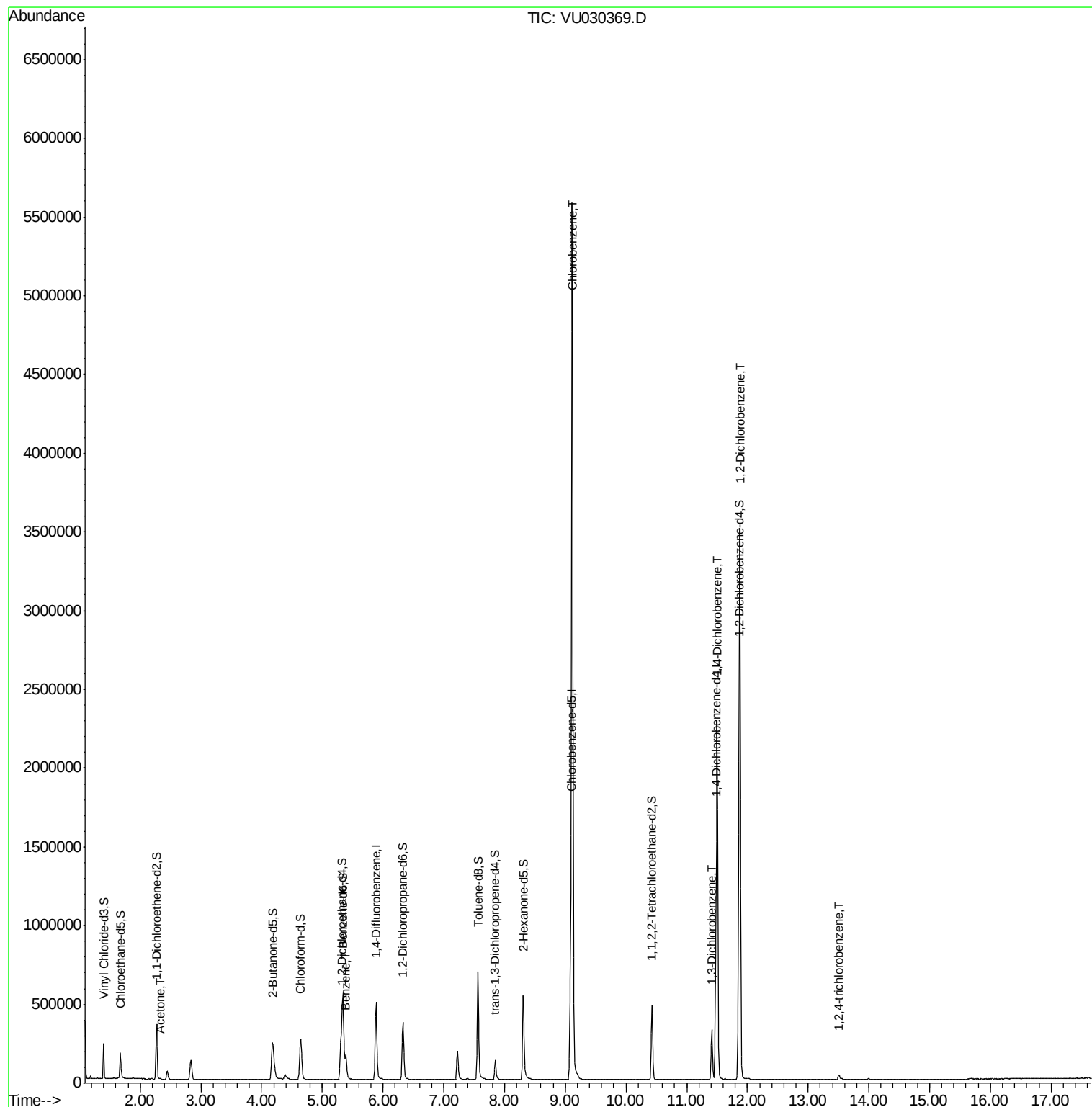
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
Data File : VU030369.D
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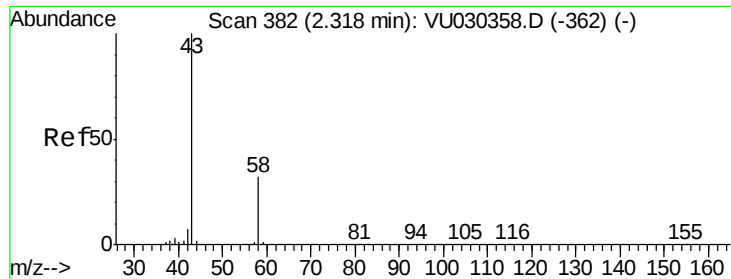
Instrument :
MSVOA_U
ClientSampleId :
C0980

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Quant Time: Mar 25 04:19:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.385 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

C0980

Tot Ion: 43 Resp: 4332

Ion Ratio Lower Upper

43 100

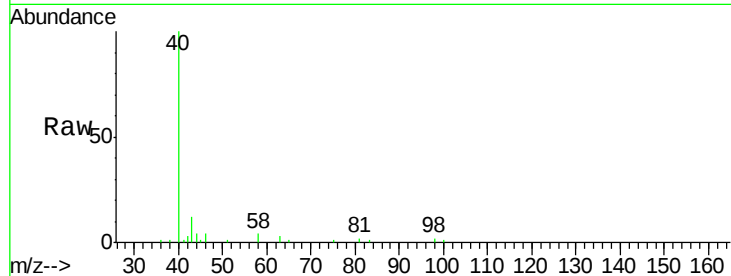
58 30.0 0.0 62.8

Manual Integrations

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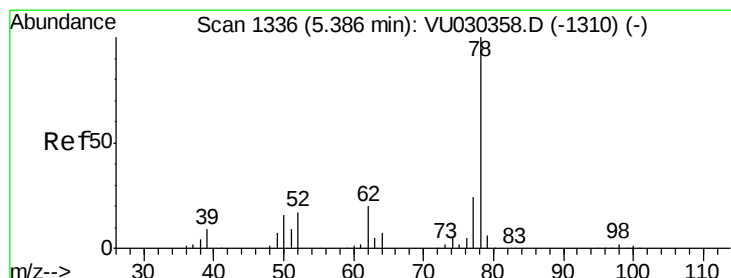
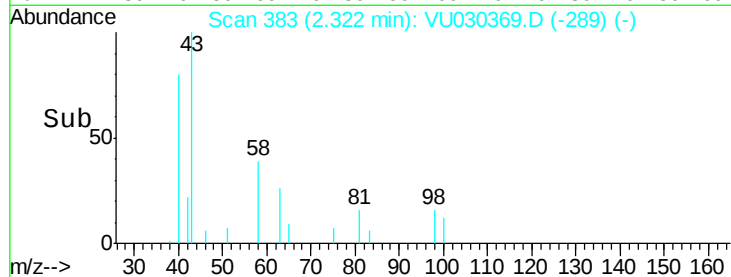
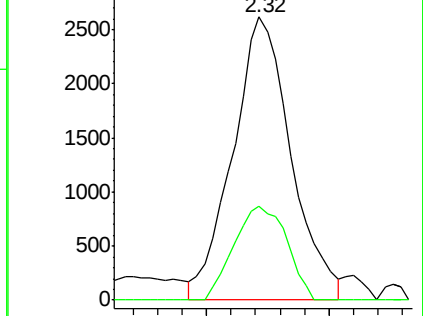
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Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030358.D (-362) (-)



#33

Benzene

Concen: 10.710 ug/L

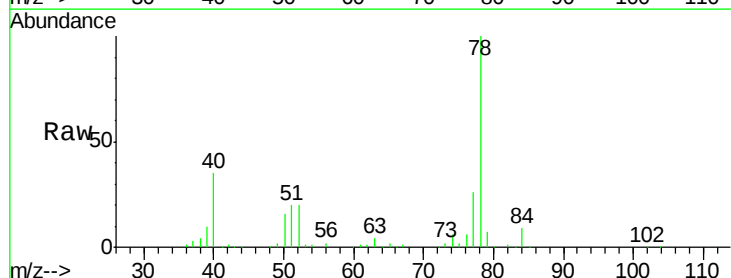
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030369.D

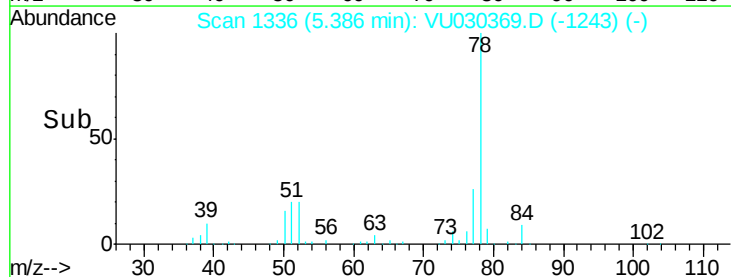
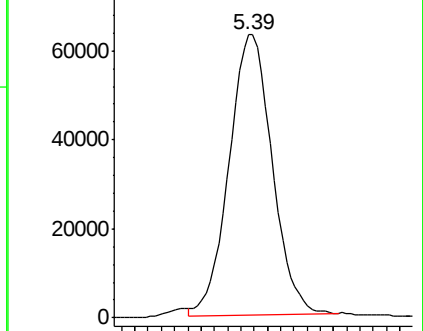
Acq: 24 Mar 2019 14:39

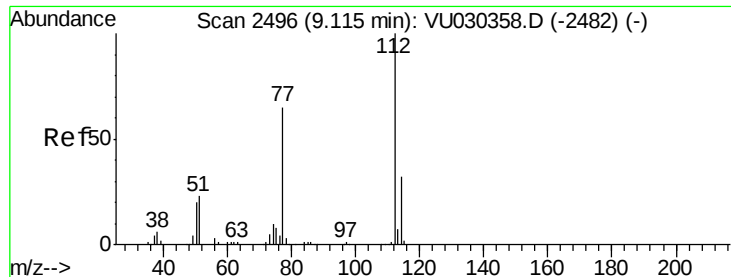
Tgt Ion: 78 Resp: 142293



Abundance Ion 78.00 (77.70 to 78.70): VU030358.D (-1310) (-)

Ion 78.00 (77.70 to 78.70): VU030358.D (-1310) (-)





#51

Chlorobenzene

Concen: 341.521 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

C0980

Tot Ion:112 Resp: 2854011

Ion Ratio Lower Upper

112 100

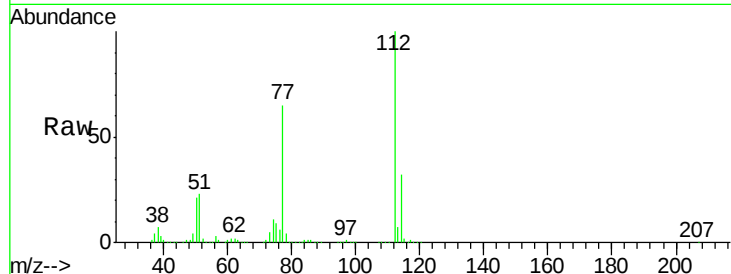
114 32.0 21.5 39.9

77 65.5 51.4 77.0

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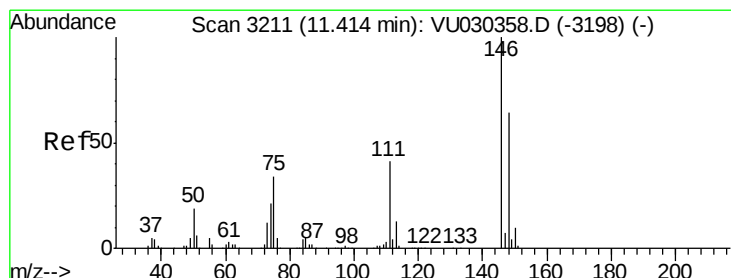
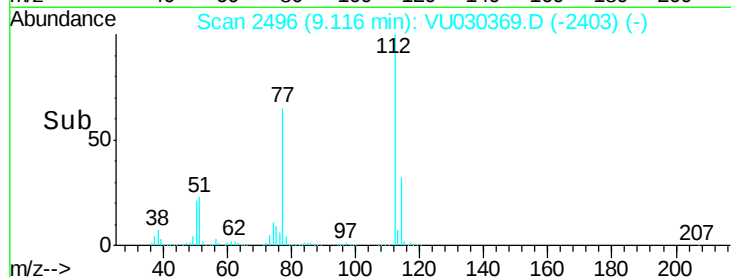
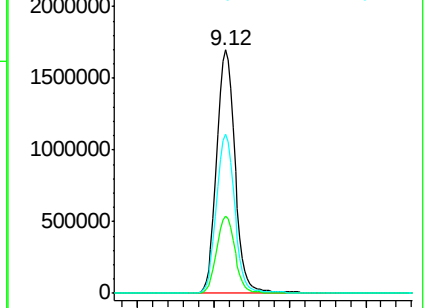
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 22.304 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

Tgt Ion:146 Resp: 123741

Ion Ratio Lower Upper

146 100

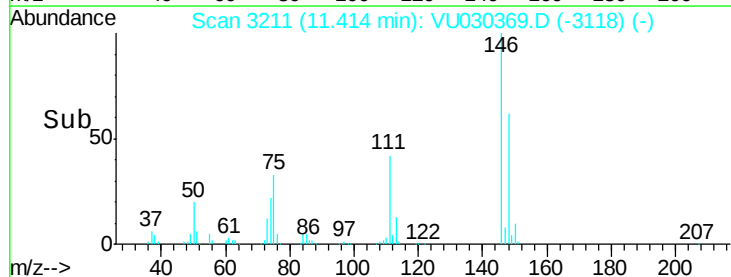
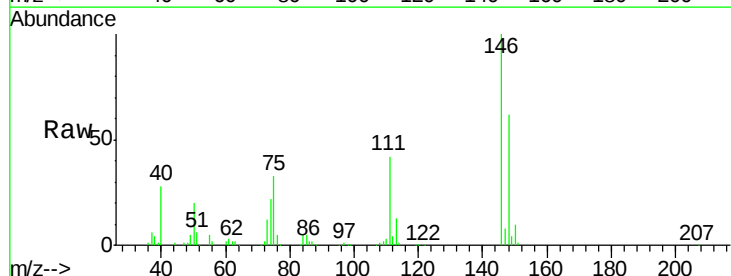
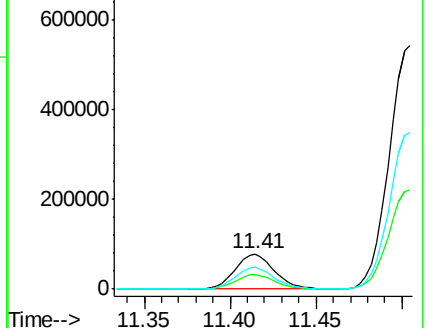
111 41.9 29.2 54.2

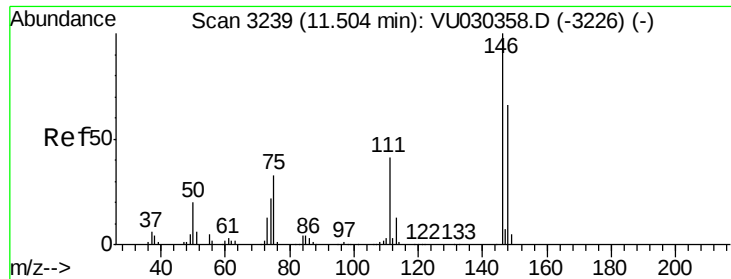
148 62.0 44.4 82.4

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: 149.205 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

Instrument :

MSVOA_U

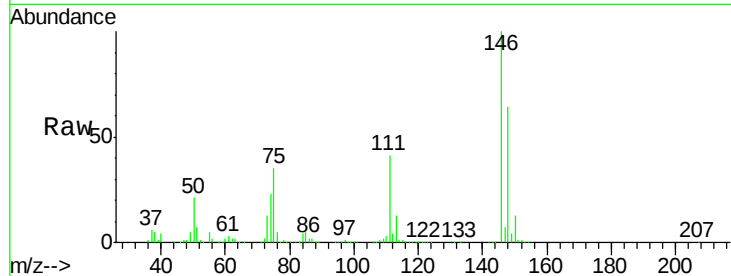
ClientSampled :

C0980

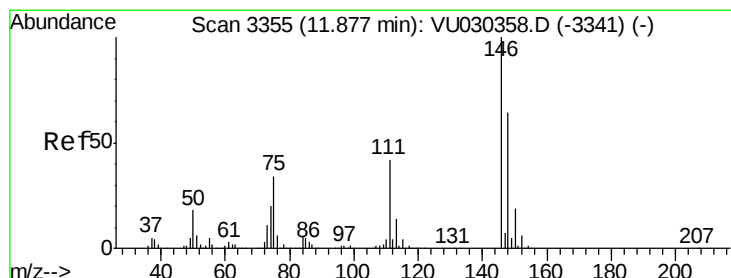
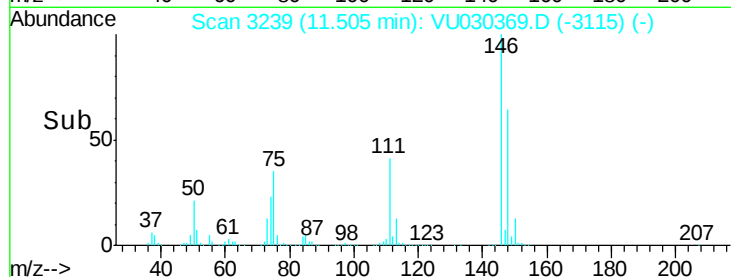
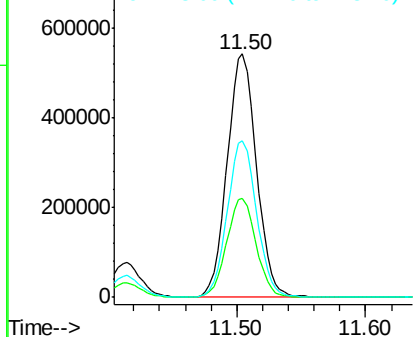
Tot Ion:	146	Resp:	852165
Ion Ratio	Lower	Upper	
146	100		
111	40.8	28.7	53.3
148	64.5	44.3	82.3

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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



#65

1,2-Dichlorobenzene

Concen: 232.763 ug/L

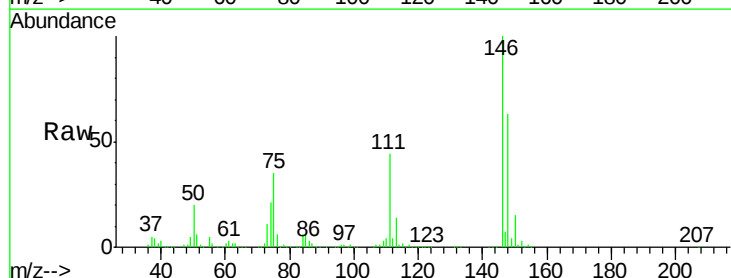
RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

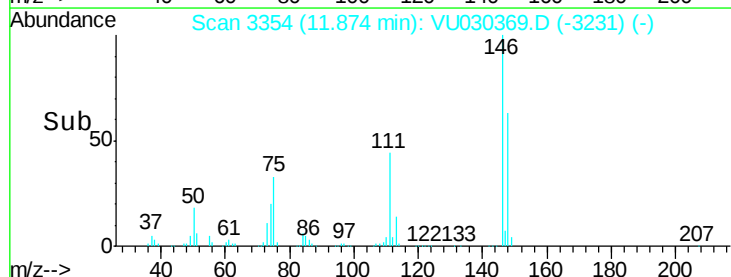
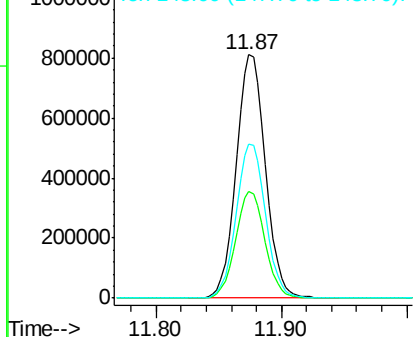
Lab File: VU030369.D

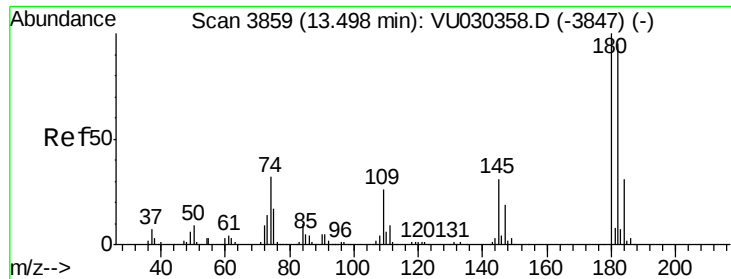
Acq: 24 Mar 2019 14:39

Tgt Ion:	146	Resp:	1305744
Ion Ratio	Lower	Upper	
146	100		
111	43.9	34.9	52.3
148	63.4	51.2	76.8



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





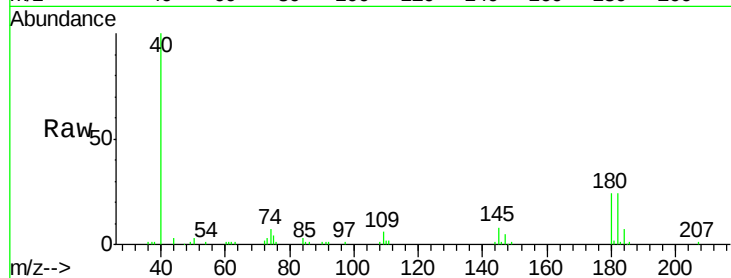
#68
 1,2,4-trichlorobenzene
 Concen: 3.331 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030369.D
 Acq: 24 Mar 2019 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0980

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.3	76.1	114.1
145	27.4	24.5	36.7

Manual Integrations
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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

