

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\
 Data File : VU030256.D
 Acq On : 21 Mar 2019 11:35
 Operator : JC/SP
 Sample : K2022-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D2

Quant Time: Mar 22 04:38:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 04:03:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	522109	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	504447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	233478	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161910	45.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.72%
7) Chloroethane-d5	1.68	69	129822	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.98%
11) 1,1-Dichloroethene-d2	2.27	63	220073	34.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.34%
21) 2-Butanone-d5	4.18	46	219667	83.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.87%
24) Chloroform-d	4.65	84	272204	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.02%
26) 1,2-Dichloroethane-d4	5.31	65	159645	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
32) Benzene-d6	5.34	84	599719	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.24%
36) 1,2-Dichloropropane-d6	6.33	67	188634	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.72%
41) Toluene-d8	7.56	98	545307	43.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.26%
43) trans-1,3-Dichloropropene-	7.85	79	82851	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.74%
47) 2-Hexanone-d5	8.31	63	177080	83.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	267248	42.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	212589	45.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.70%

Target Compounds

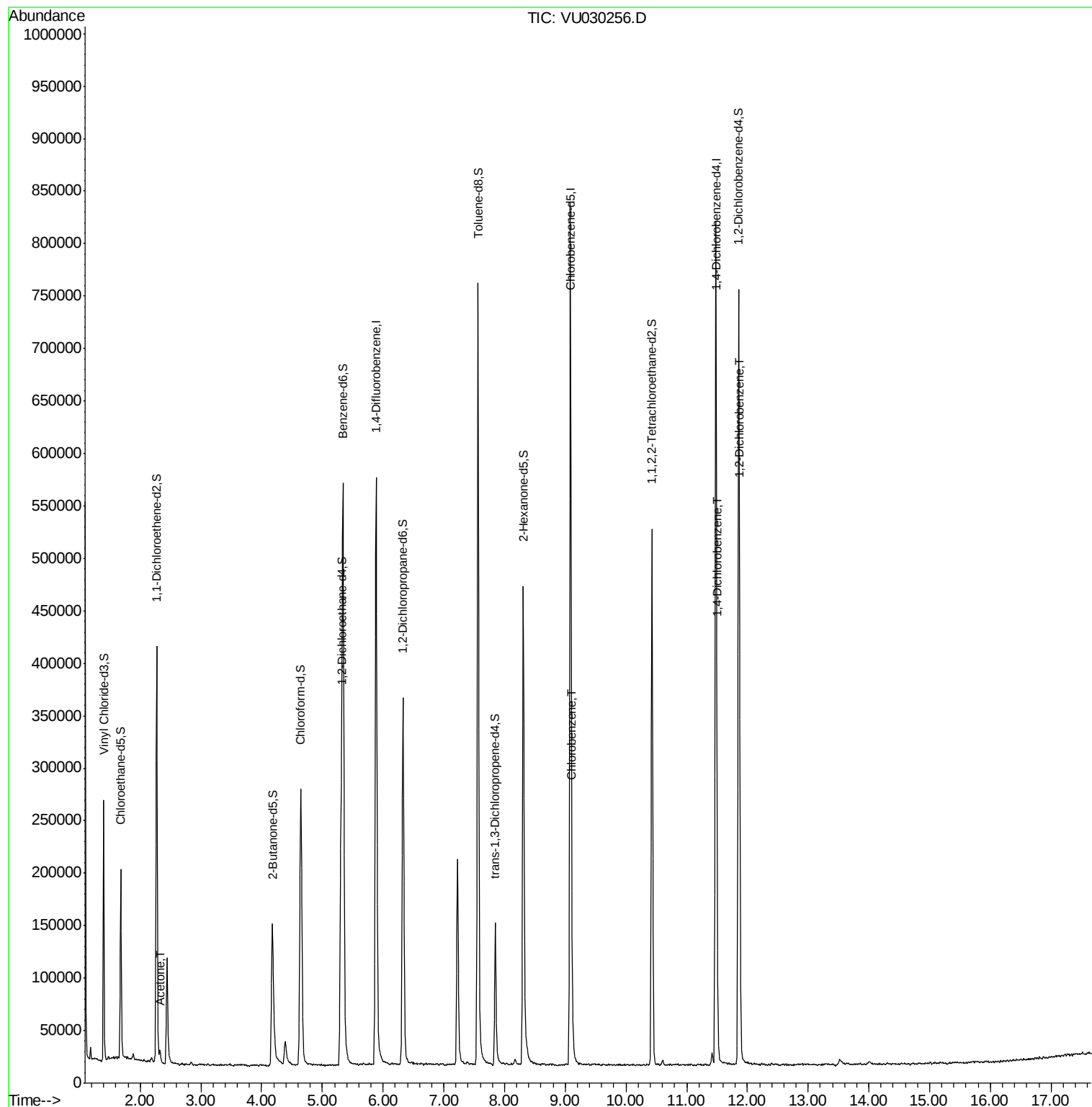
					Ovalue
13) Acetone	2.32	43	9240	3.376 ug/L	96
51) Chlorobenzene	9.12	112	22330	2.131 ug/L	93
63) 1,4-Dichlorobenzene	11.50	146	23254	3.010 ug/L	89
65) 1,2-Dichlorobenzene	11.88	146	53103	6.977 ug/L	99

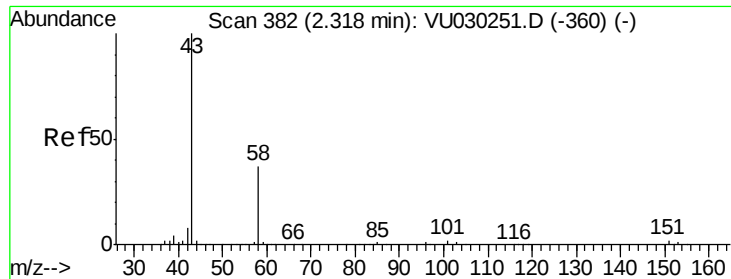
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.376 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030256.D

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Instrument :

MSVOA_U

ClientSampleId :

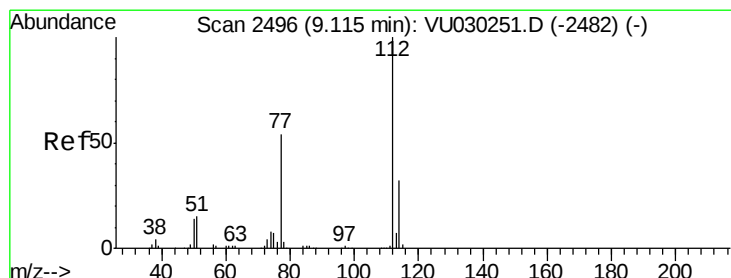
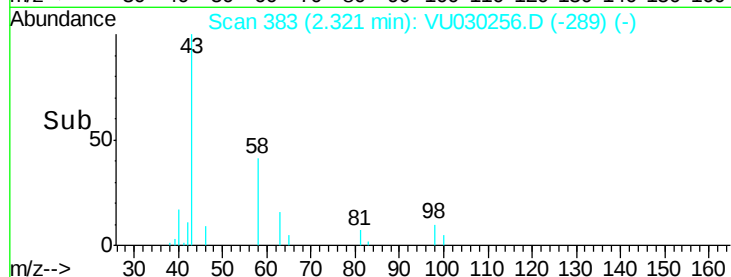
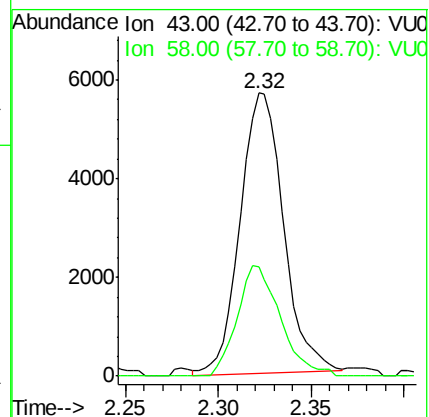
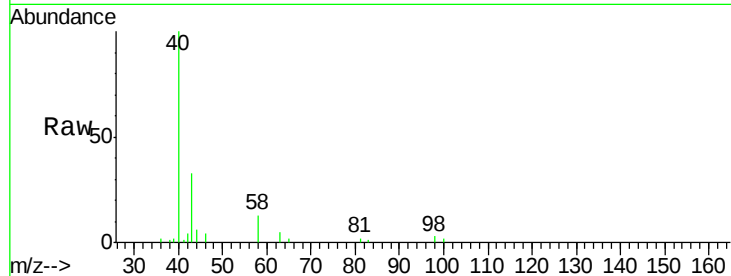
C09D2

Tot Ion: 43 Resp: 9240

Ion Ratio Lower Upper

43 100

58 39.0 0.0 73.4



#51

Chlorobenzene

Concen: 2.131 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

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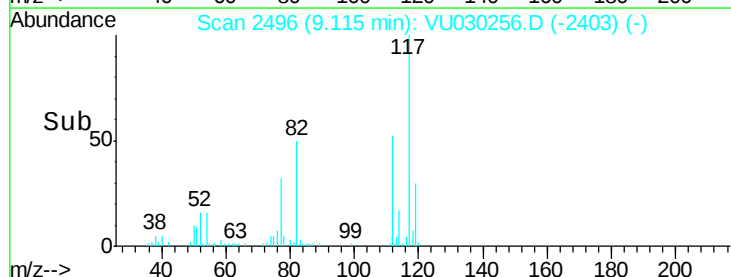
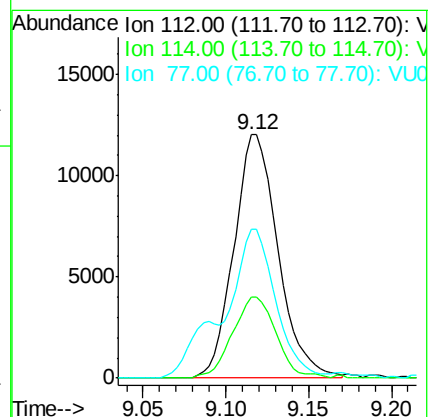
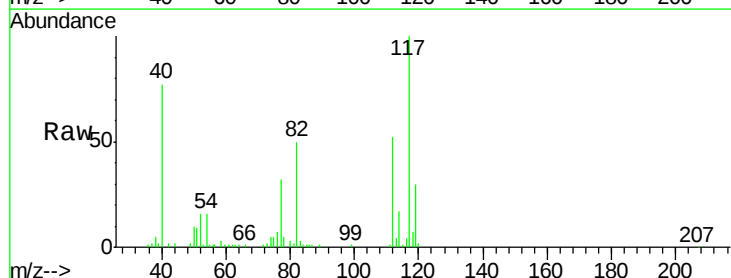
Tgt Ion: 112 Resp: 22330

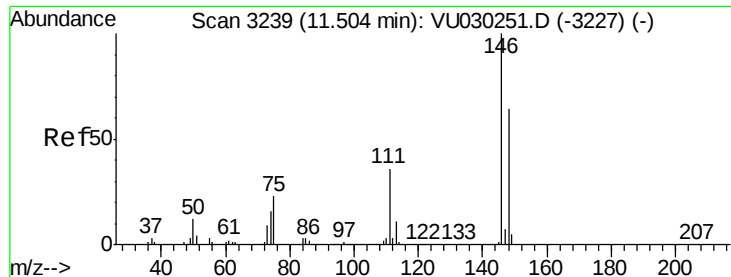
Ion Ratio Lower Upper

112 100

114 33.2 22.5 41.7

77 61.3 43.4 65.0





#63

1,4-Dichlorobenzene

Concen: 3.010 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

C09D2

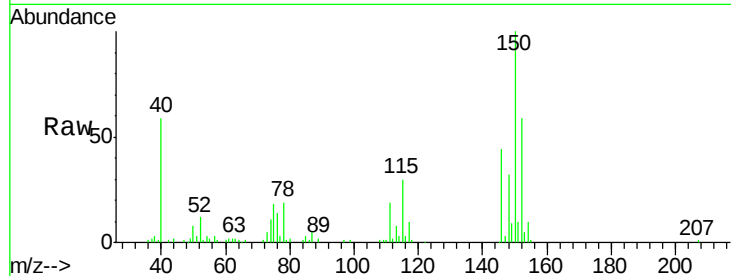
Tot Ion:146 Resp: 23254

Ion Ratio Lower Upper

146 100

111 42.0 25.3 46.9

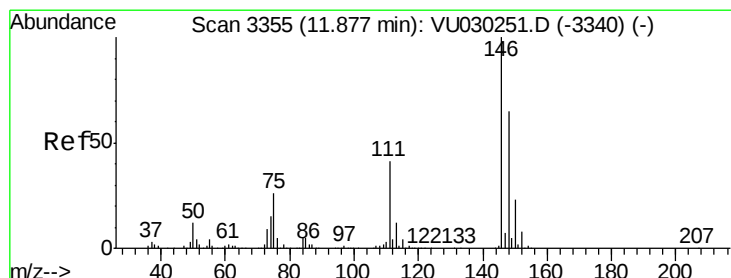
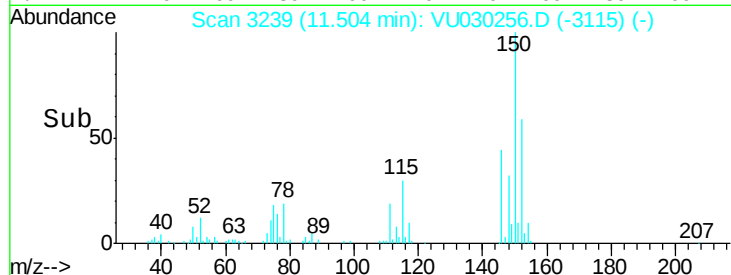
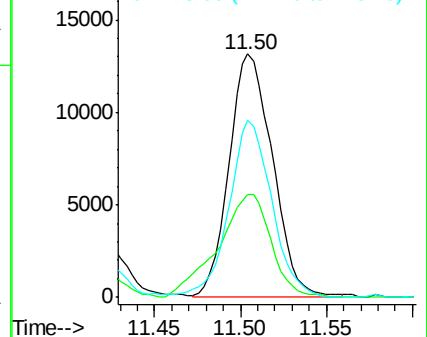
148 72.7 44.7 82.9



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: 6.977 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. -0.00 min

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Acq: 21 Mar 2019 11:35

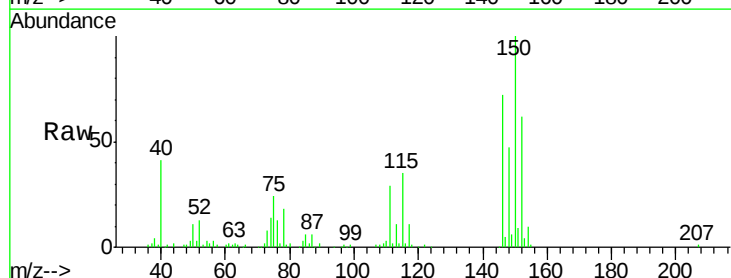
Tgt Ion:146 Resp: 53103

Ion Ratio Lower Upper

146 100

111 40.6 31.7 47.5

148 64.5 52.0 78.0



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

