

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030083.D
 Acq On : 14 Mar 2019 18:52
 Operator : JC/SP
 Sample : K1859-05DL 500X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BR0DL

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:22:35 AM

Quant Time: Mar 15 03:46:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 02:44:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	463311	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	442470	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	219967	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106480	34.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.50%
7) Chloroethane-d5	1.68	69	100280	40.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.08%
11) 1,1-Dichloroethene-d2	2.27	63	164421	29.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.44%#
21) 2-Butanone-d5	4.17	46	235455	102.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.55%
24) Chloroform-d	4.65	84	255038	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
26) 1,2-Dichloroethane-d4	5.31	65	154480	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
32) Benzene-d6	5.34	84	530228	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
36) 1,2-Dichloropropane-d6	6.33	67	171160	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.20%
41) Toluene-d8	7.56	98	479339	44.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.88%
43) trans-1,3-Dichloropropene-	7.85	79	76549	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
47) 2-Hexanone-d5	8.31	63	199565	102.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	265832	49.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	216607	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

					Qvalue
33) Benzene	5.39	78	113178	8.939 ug/L	100
51) Chlorobenzene	9.12	112	470709	50.718 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	20301	2.858 ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	173978	24.086 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	232064	32.454 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	26167m	5.188 ug/L	
70) 1,2,3-Trichlorobenzene	14.00	180	7452	1.422 ug/L	91

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

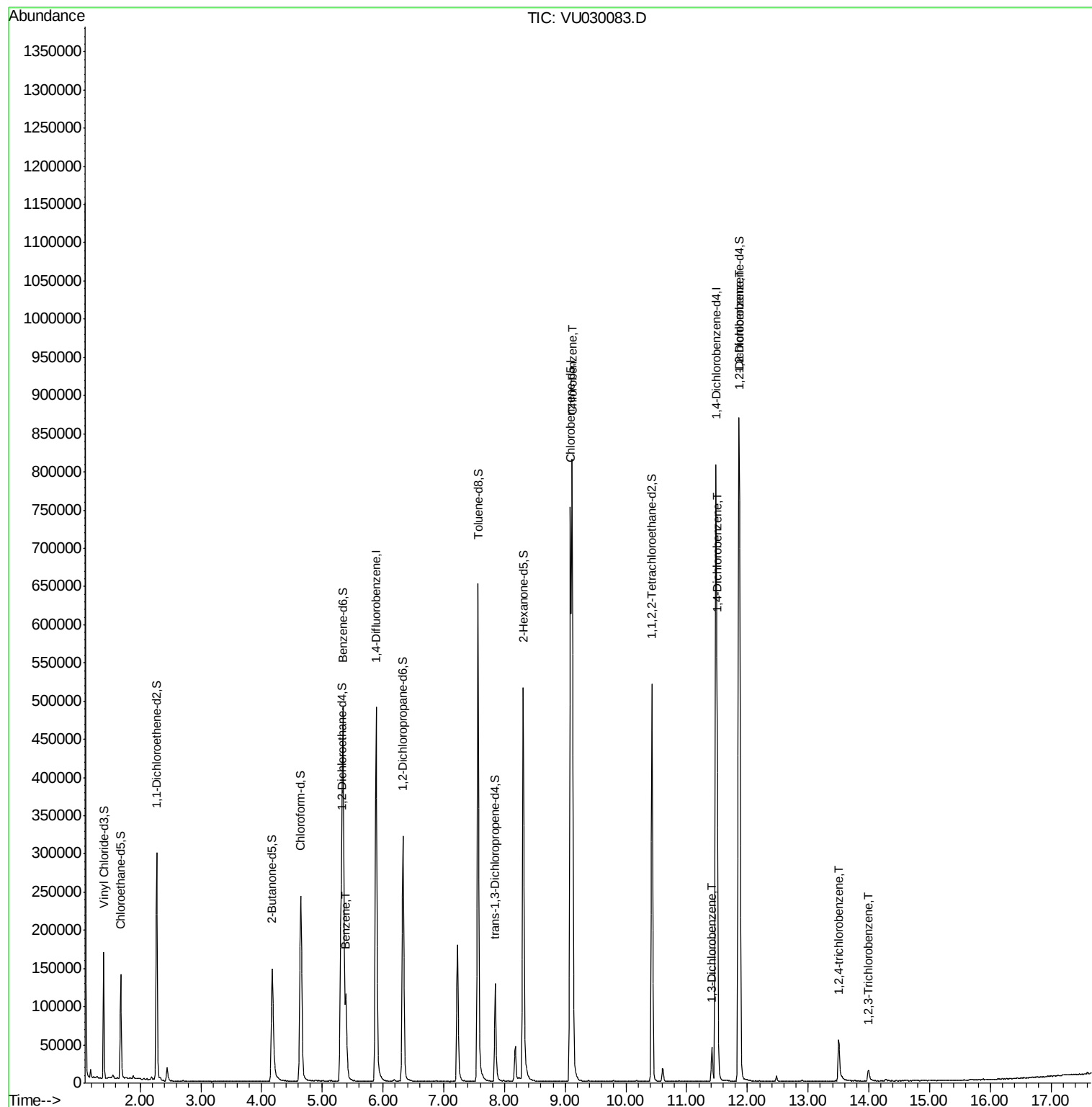
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
Data File : VU030083.D
Acq On : 14 Mar 2019 18:52
Operator : JC/SP
Sample : K1859-05DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

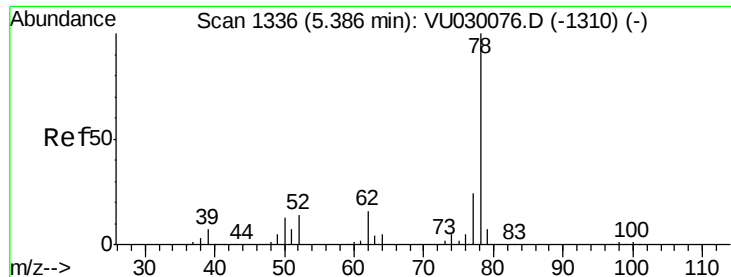
Instrument :
MSVOA_U
ClientSampleId :
C0BR0DL

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:22:35 AM

Quant Time: Mar 15 03:46:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 02:44:49 2019
Response via : Initial Calibration





#33

Benzene

Concen: 8.939 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030083.D

Acq: 14 Mar 2019 18:52

Instrument :

MSVOA_U

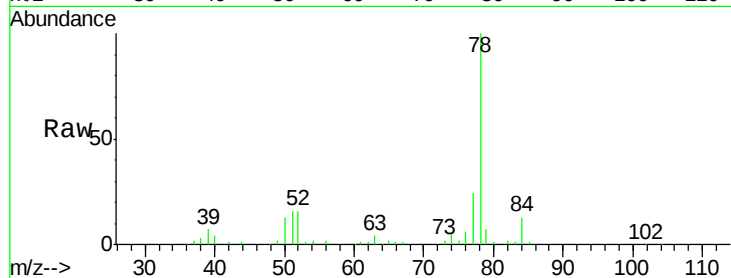
ClientSampled :

C0BR0DL

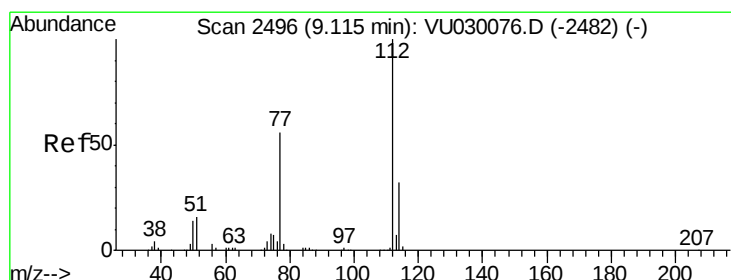
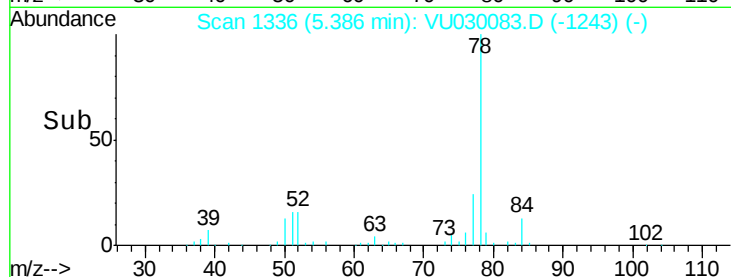
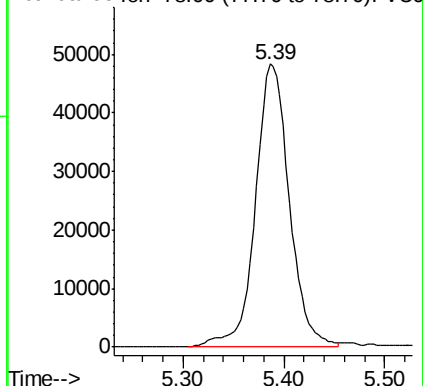
Tgt Ion: 78 Resp: 113178

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:22:35 AM



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 50.718 ug/L

RT: 9.12 min Scan# 2496

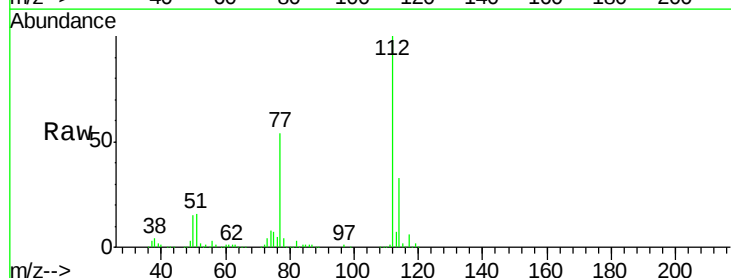
Delta R.T. 0.00 min

Lab File: VU030083.D

Acq: 14 Mar 2019 18:52

Tgt Ion: 112 Resp: 470709

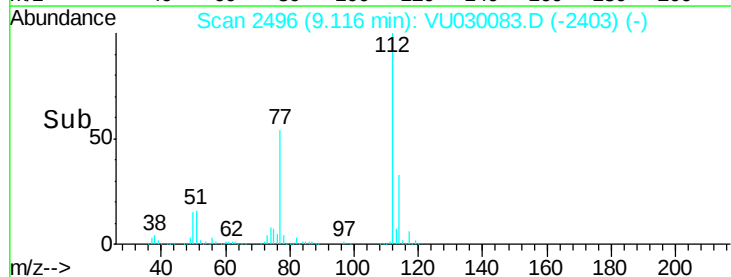
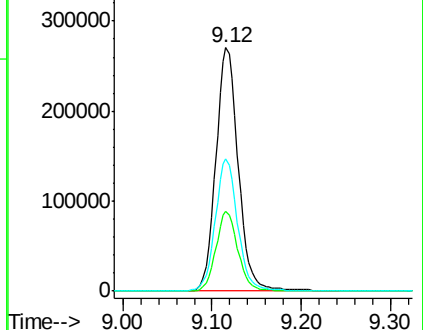
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.5	41.9
77	54.2	44.6	66.8

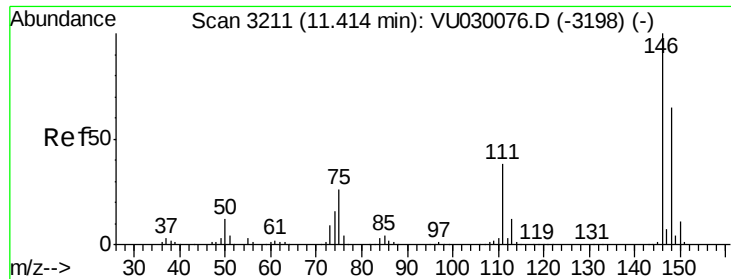


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 2.858 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030083.D

Acq: 14 Mar 2019 18:52

Instrument :

MSVOA_U

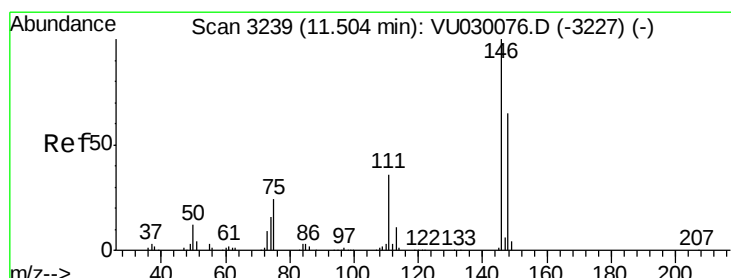
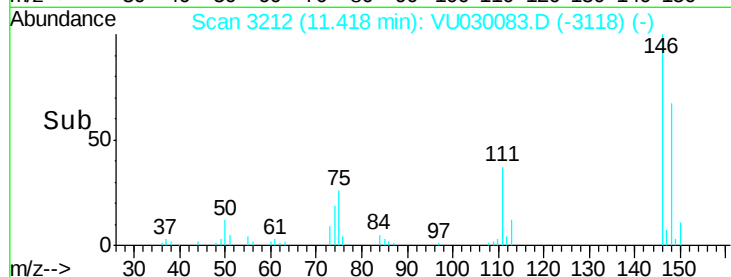
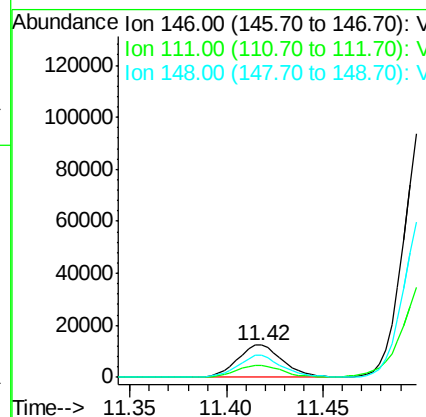
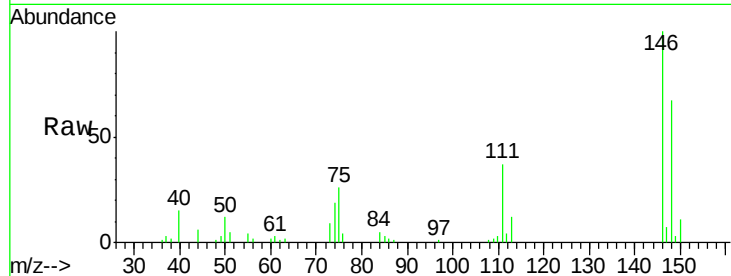
ClientSampleId :

C0BR0DL

Tgt Ion:	146	Resp:	20301
Ion Ratio	Lower	Upper	
146	100		
111	36.5	26.7	49.5
148	67.3	44.9	83.5

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:22:35 AM



#63

1,4-Dichlorobenzene

Concen: 24.086 ug/L

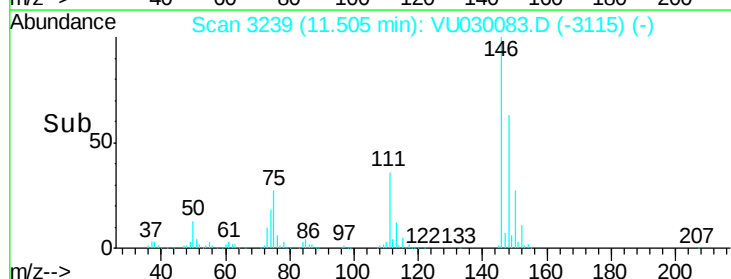
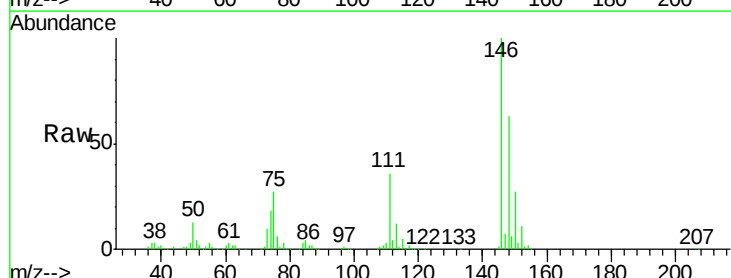
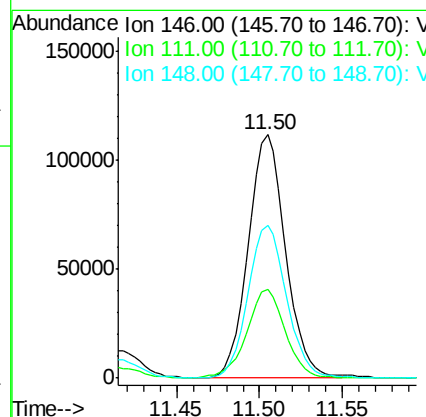
RT: 11.50 min Scan# 3239

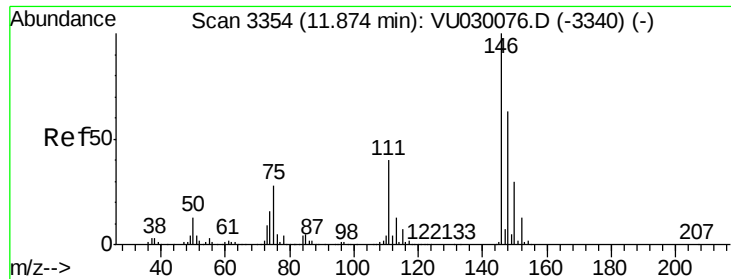
Delta R.T. 0.00 min

Lab File: VU030083.D

Acq: 14 Mar 2019 18:52

Tgt Ion:	146	Resp:	173978
Ion Ratio	Lower	Upper	
146	100		
111	36.3	25.5	47.3
148	62.9	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 32.454 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030083.D

Acq: 14 Mar 2019 18:52

Instrument :

MSVOA_U

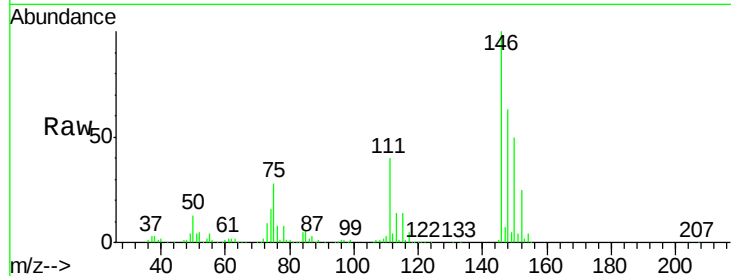
ClientSampleId :

C0BR0DL

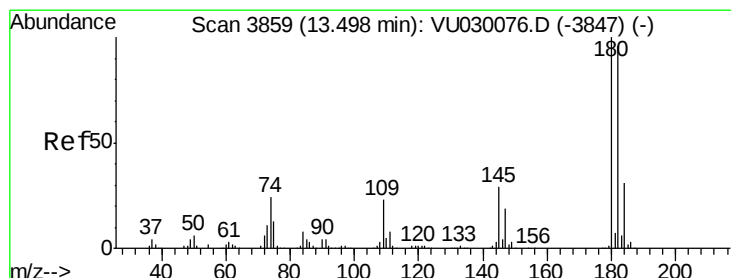
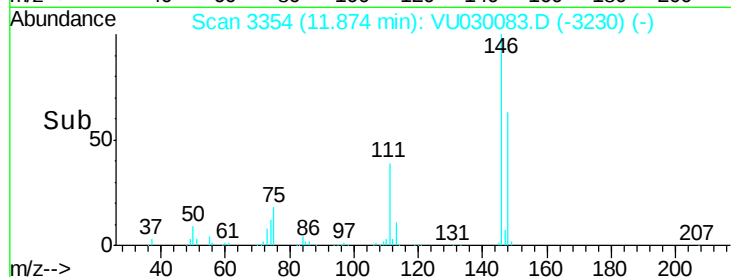
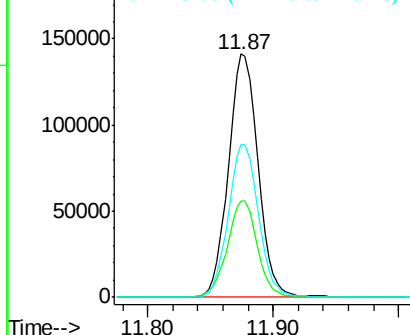
Tgt Ion:	146	Resp:	232064
Ion Ratio	Lower	Upper	
146	100		
111	39.9	30.9	46.3
148	62.9	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:22:35 AM



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: 5.188 ug/L m

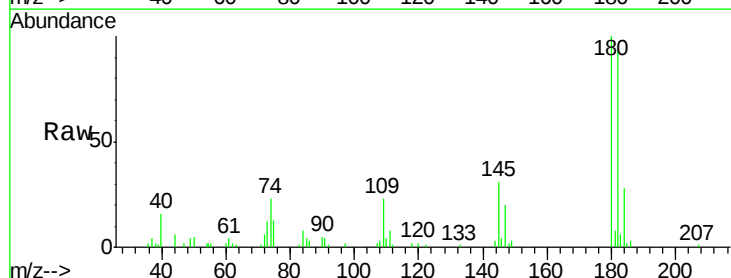
RT: 13.50 min Scan# 3861

Delta R.T. 0.01 min

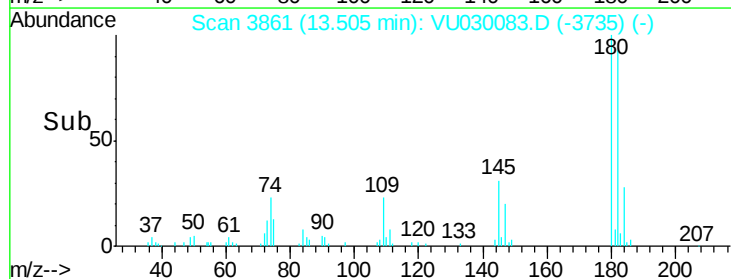
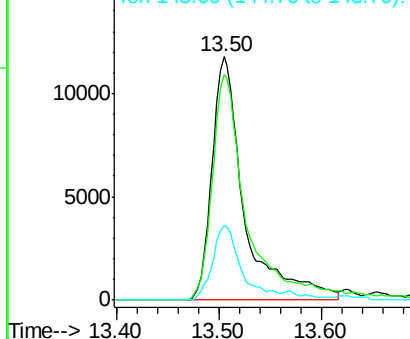
Lab File: VU030083.D

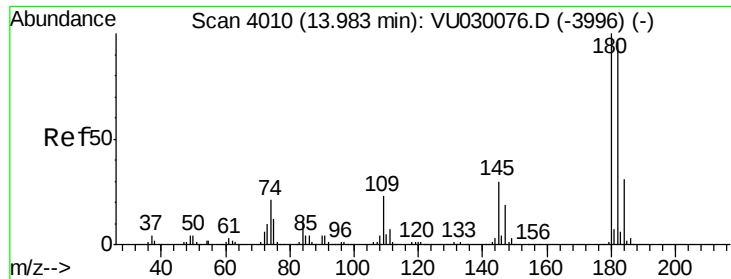
Acq: 14 Mar 2019 18:52

Tgt Ion:	180	Resp:	26167
Ion Ratio	Lower	Upper	
180	100		
182	88.6	76.1	114.1
145	25.6	23.0	34.4



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: 1.422 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU030083.D
 Acq: 14 Mar 2019 18:52

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BR0DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.4	75.9	113.9
145	25.6	24.0	36.0

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:22:35 AM

