

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030482.D
 Acq On : 27 Mar 2019 14:43
 Operator : JC/SP
 Sample : K2022-16 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E4

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 11:00:19 AM

Quant Time: Mar 28 02:32:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 01:25:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	435104	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	416489	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	175062	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153642	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.67	69	131741	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.94%
11) 1,1-Dichloroethene-d2	2.27	63	227057	34.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.36%
21) 2-Butanone-d5	4.17	46	342398	104.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.02%
24) Chloroform-d	4.65	84	292479	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
26) 1,2-Dichloroethane-d4	5.31	65	202580	51.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.62%
32) Benzene-d6	5.34	84	580308	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
36) 1,2-Dichloropropane-d6	6.33	67	214319	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.90%
41) Toluene-d8	7.56	98	508635	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%
43) trans-1,3-Dichloropropene-	7.85	79	91973	47.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.72%
47) 2-Hexanone-d5	8.31	63	212561	95.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	291407	49.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	181704	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
33) Benzene	5.39	78	16039	1.131	ug/L 100
51) Chlorobenzene	9.12	112	1614011	180.991	ug/L 99
62) 1,3-Dichlorobenzene	11.41	146	50005	8.734	ug/L 96
63) 1,4-Dichlorobenzene	11.50	146	178683	30.317	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	414238	71.558	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	10844m	2.912	ug/L

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

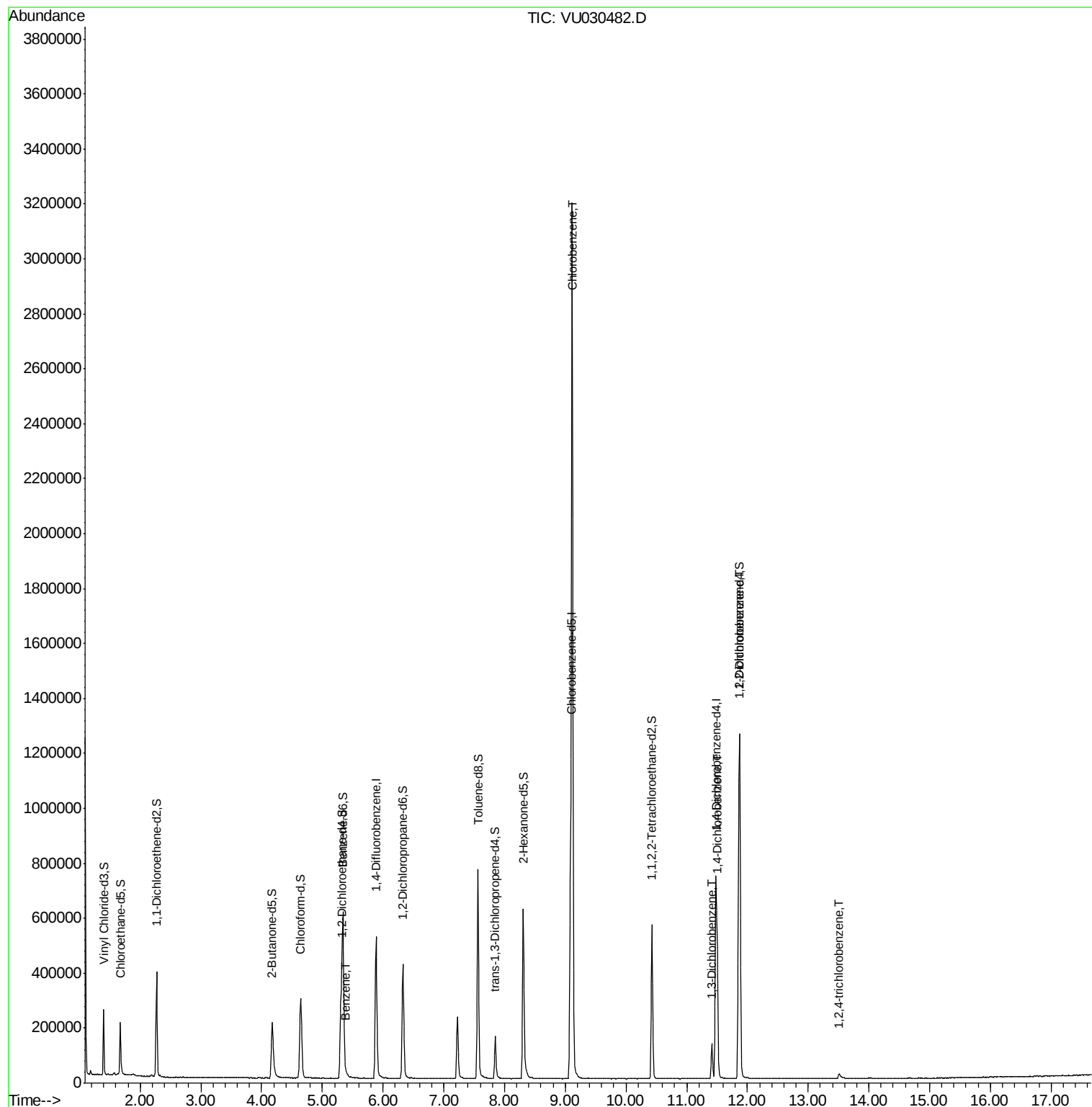
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032719\
Data File : VU030482.D
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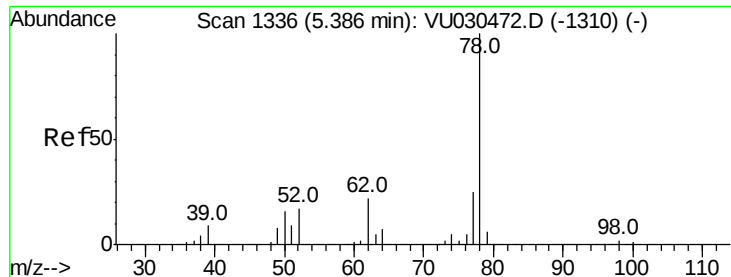
Instrument :
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Quant Time: Mar 28 02:32:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration





#33

Benzene

Concen: 1.131 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030482.D

Acq: 27 Mar 2019 14:43

Instrument :

MSVOA_U

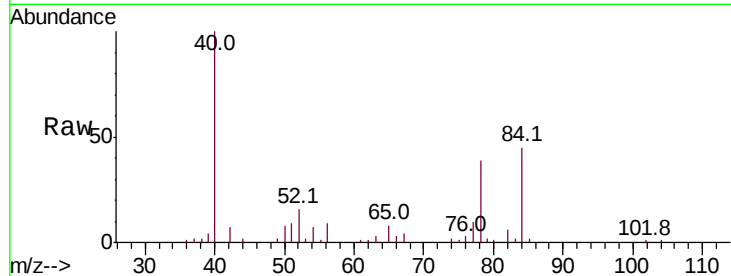
ClientSampleId :

C09E4

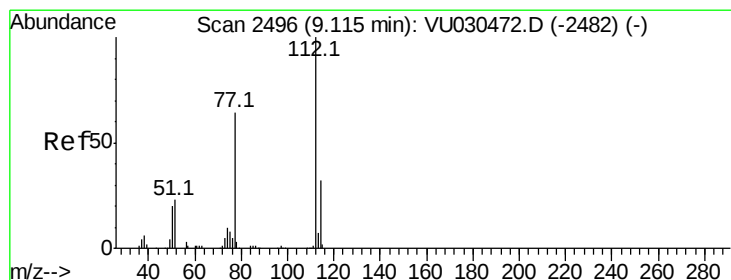
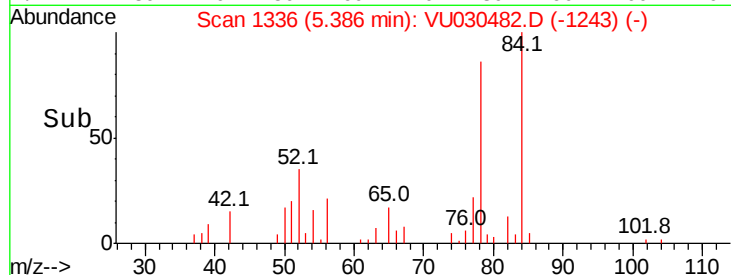
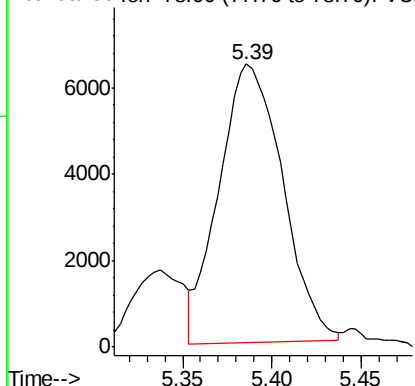
Tgt Ion: 78 Resp: 16039

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 180.991 ug/L

RT: 9.12 min Scan# 2496

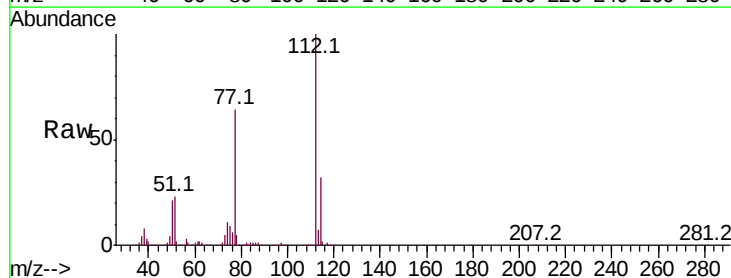
Delta R.T. -0.00 min

Lab File: VU030482.D

Acq: 27 Mar 2019 14:43

Tgt Ion: 112 Resp: 1614011

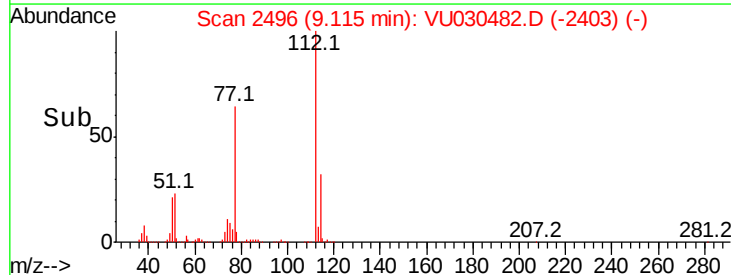
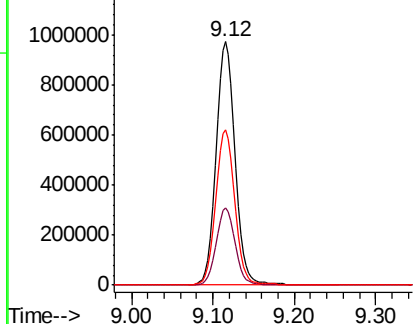
Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.5	39.9
77	64.0	51.4	77.0

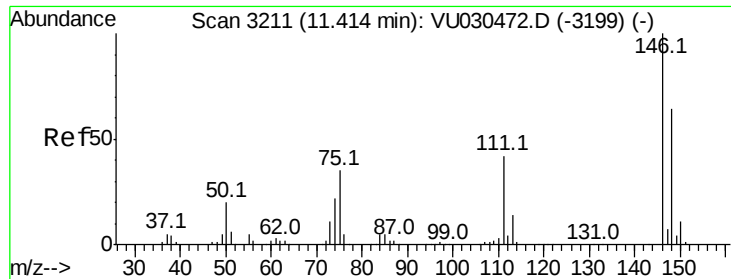


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 8.734 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030482.D

Acq: 27 Mar 2019 14:43

Instrument :

MSVOA_U

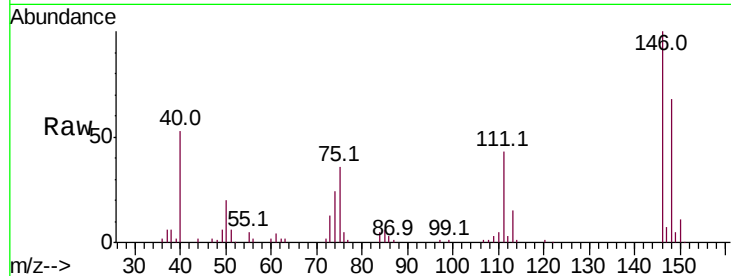
ClientSampled :

C09E4

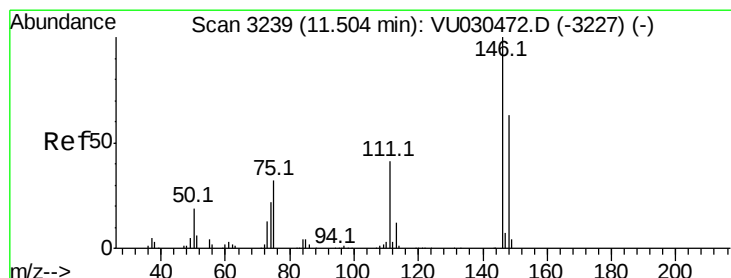
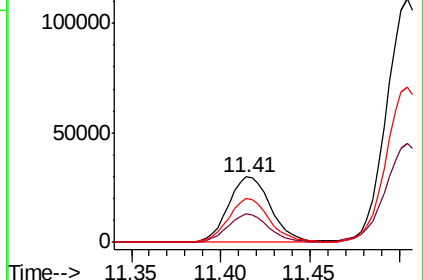
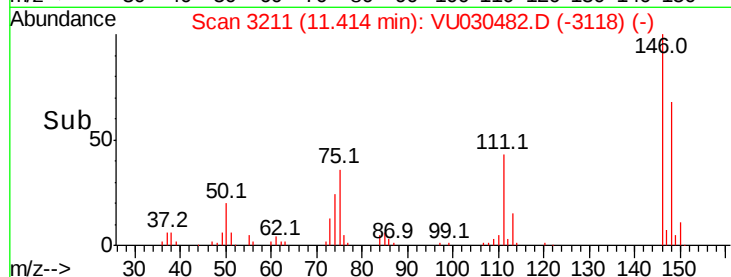
Tot Ion:	146	Resp:	50005
Ion Ratio	Lower	Upper	
146	100		
111	43.2	29.2	54.2
148	67.7	44.4	82.4

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Abundance Ion 146.00 (145.70 to 146.70): V
150000 Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 30.317 ug/L

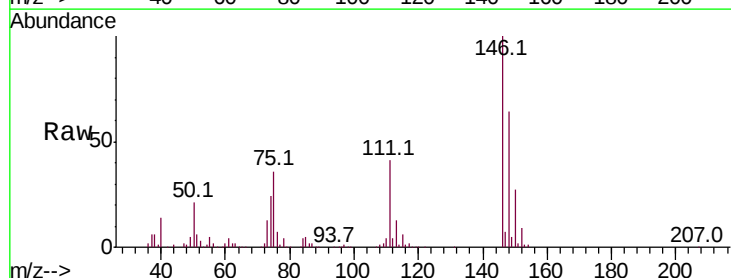
RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

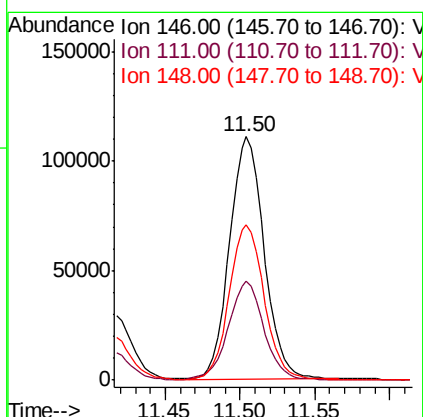
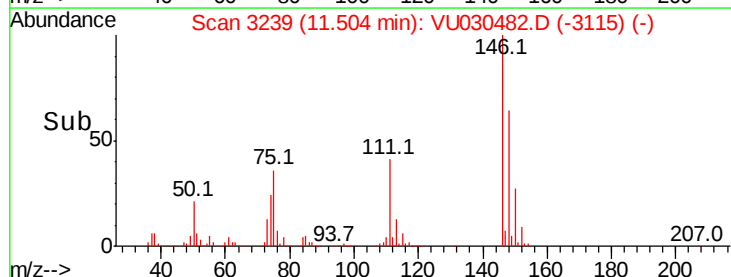
Lab File: VU030482.D

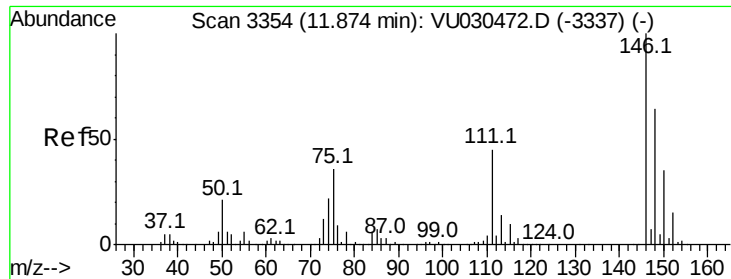
Acq: 27 Mar 2019 14:43

Tgt Ion:	146	Resp:	178683
Ion Ratio	Lower	Upper	
146	100		
111	40.6	28.7	53.3
148	63.9	44.3	82.3



Abundance Ion 146.00 (145.70 to 146.70): V
150000 Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





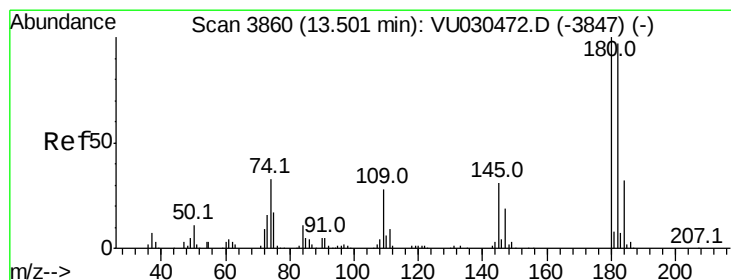
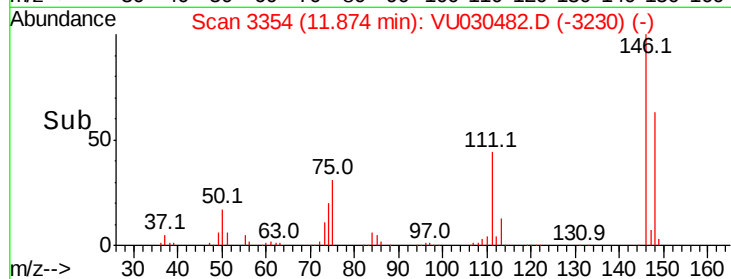
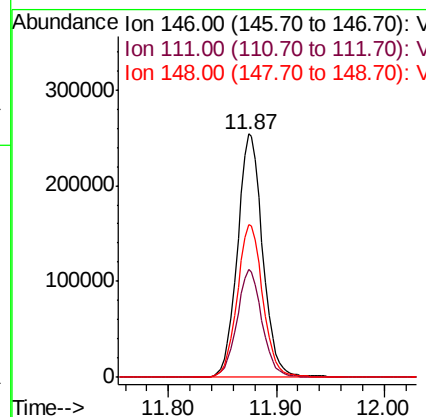
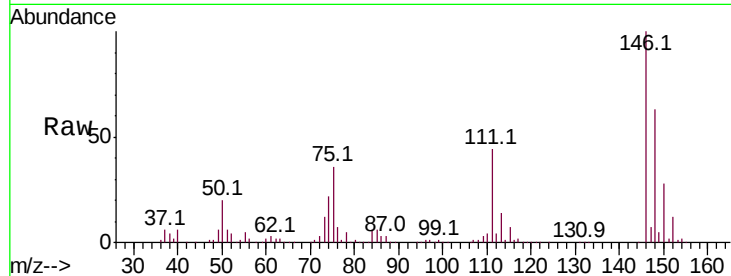
#65
 1,2-Dichlorobenzene
 Concen: 71.558 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030482.D
 Acq: 27 Mar 2019 14:43

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Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	34.9	52.3
148	62.8	51.2	76.8

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 3/28/2019 11:00:19 AM



#68
 1,2,4-trichlorobenzene
 Concen: 2.912 ug/L m
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.01 min
 Lab File: VU030482.D
 Acq: 27 Mar 2019 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.1	76.1	114.1
145	10.3	24.5	36.7#

