Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030456.D
Acq On : 26 Mar 2019 20:16
Operator : JC/SP
Sample : K2022-18 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09F3

Manual Integrations APPROVED
MMDadoda
3/27/2019 9:56:05 AM

Quant Time: Mar 27 07:32:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	448747	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	421289	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171316	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	167679	46.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.86%			
7) Chloroethane-d5	1.67	69	139546	48.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.50%			
11) 1,1-Dichloroethene-d2	2.27	63	240301	35.08	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.16%			
21) 2-Butanone-d5	4.17	46	355185	104.62	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.62%			
24) Chloroform-d	4.64	84	299386	48.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.22%			
26) 1,2-Dichloroethane-d4	5.31	65	205298	50.42	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.84%			
32) Benzene-d6	5.34	84	597427	49.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.90%			
36) 1,2-Dichloropropane-d6	6.33	67	216351	52.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.68%			
41) Toluene-d8	7.56	98	517878	47.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.46%			
43) trans-1,3-Dichloropropene-	7.85	79	92772	47.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.46%			
47) 2-Hexanone-d5	8.31	63	230066	102.71	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.71%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297065	50.22	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 100.44%			
64) 1,2-Dichlorobenzene-d4	11.85	152	180409	52.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.12%			
Target Compounds						Qvalue
51) Chlorobenzene	9.12	112	158508	17.572	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	9413	1.680	ug/L	86
63) 1,4-Dichlorobenzene	11.50	146	40376	7.000	ug/L	92
65) 1,2-Dichlorobenzene	11.87	146	315586	55.708	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	29143	7.997	ug/L #	83
70) 1,2,3-Trichlorobenzene	14.00	180	5457m	1.418	ug/L	

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

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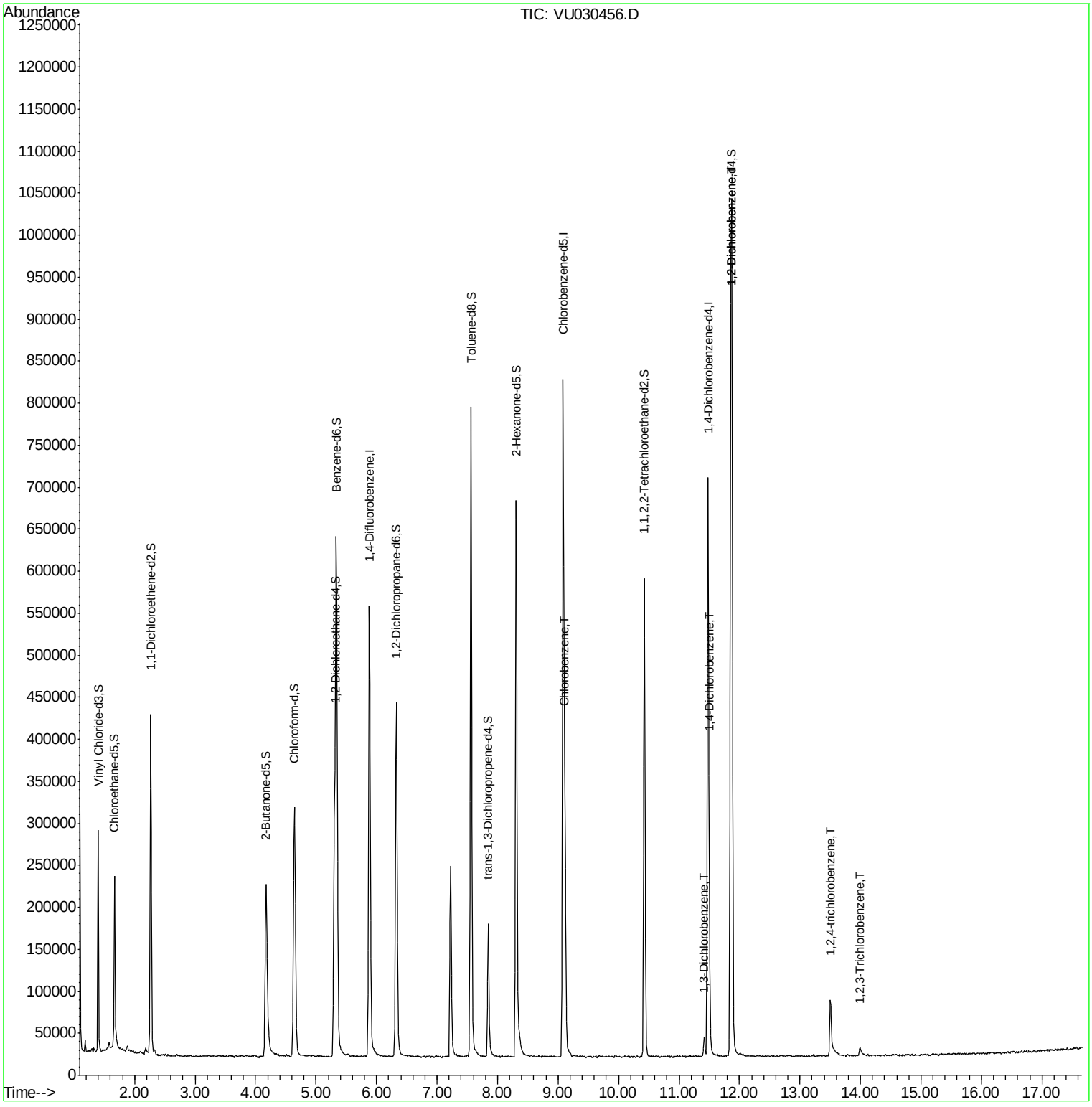
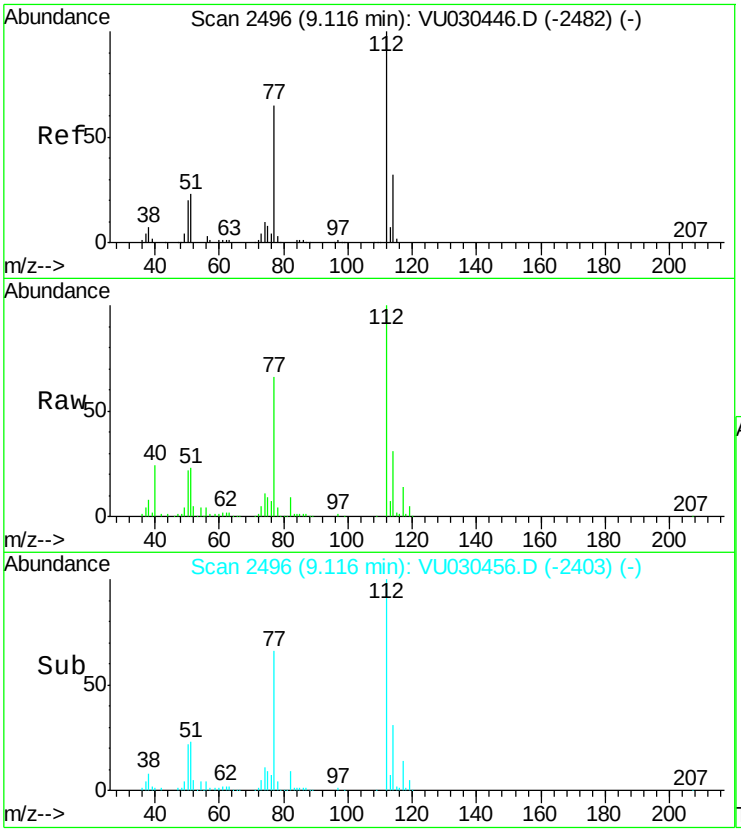
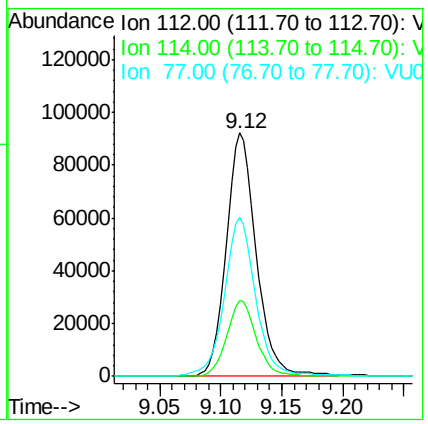




#51
Chlorobenzene
Concen: 17.572 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

Tgt Ion:112 Resp: 158508

Ion	Ratio	Lower	Upper
112	100		
114	31.1	21.5	39.9
77	65.5	51.4	77.0



Instrument :
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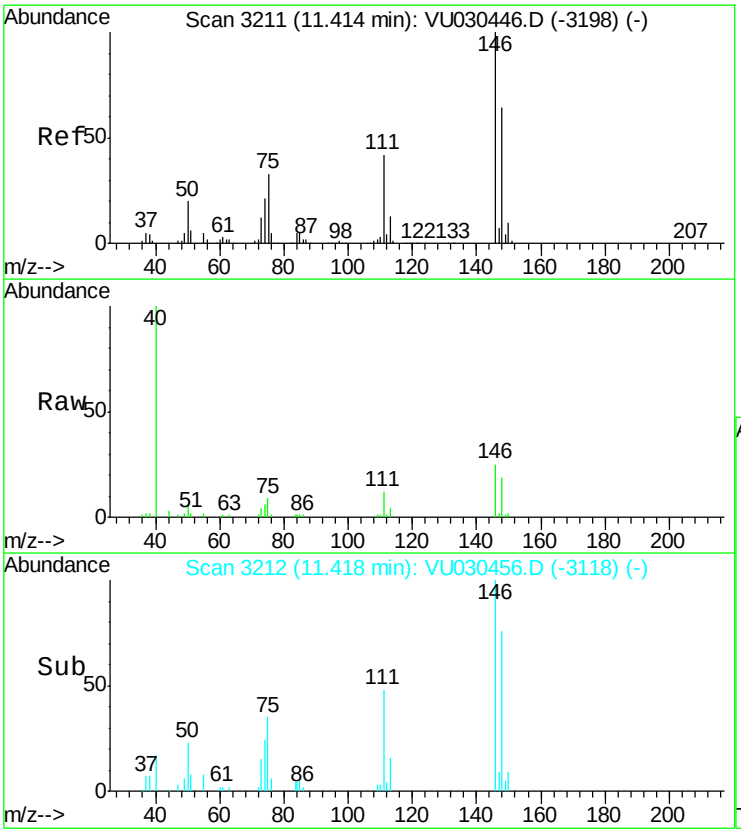
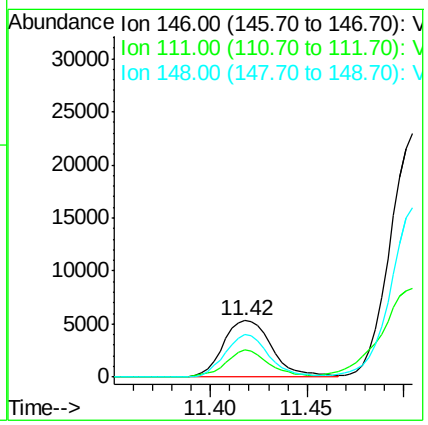
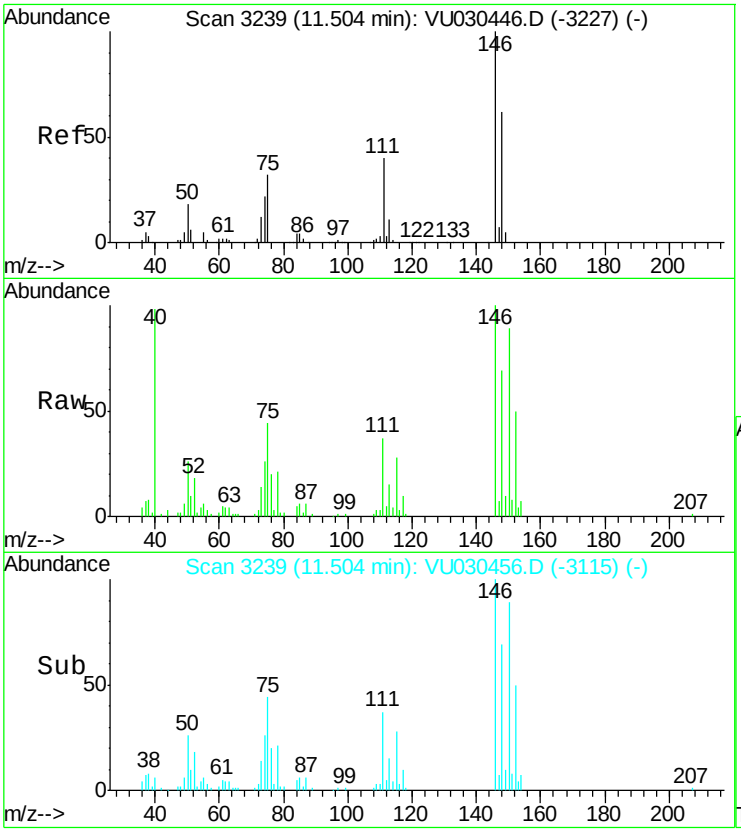


#62
1,3-Dichlorobenzene
Concen: 1.680 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

Tgt Ion:146 Resp: 9413

Ion	Ratio	Lower	Upper
146	100		
111	48.2	29.2	54.2
148	75.9	44.4	82.4

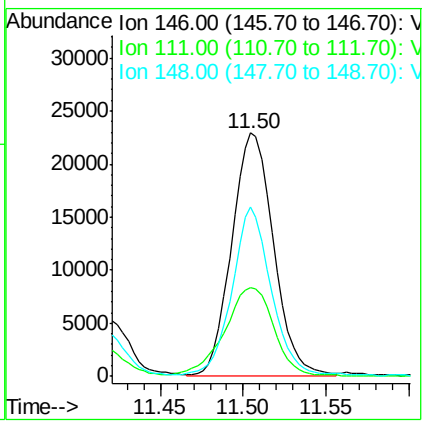




#63
1,4-Dichlorobenzene
Concen: 7.000 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

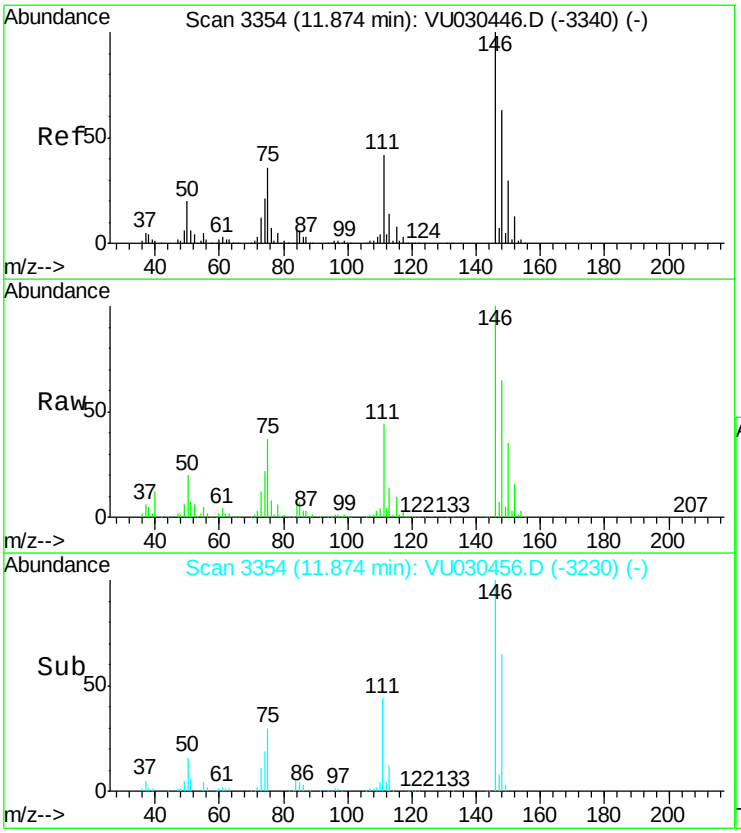
Tgt Ion:146 Resp: 40376

Ion	Ratio	Lower	Upper
146	100		
111	36.5	28.7	53.3
148	69.4	44.3	82.3



Instrument :
MSVOA_U
ClientSampleId :
C09F3

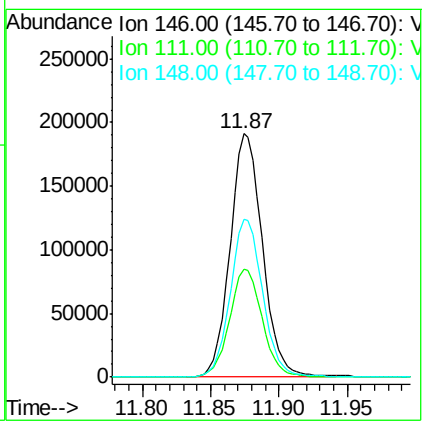
Manual Integrations APPROVED
MMDadoda
3/27/2019 9:56:05 AM

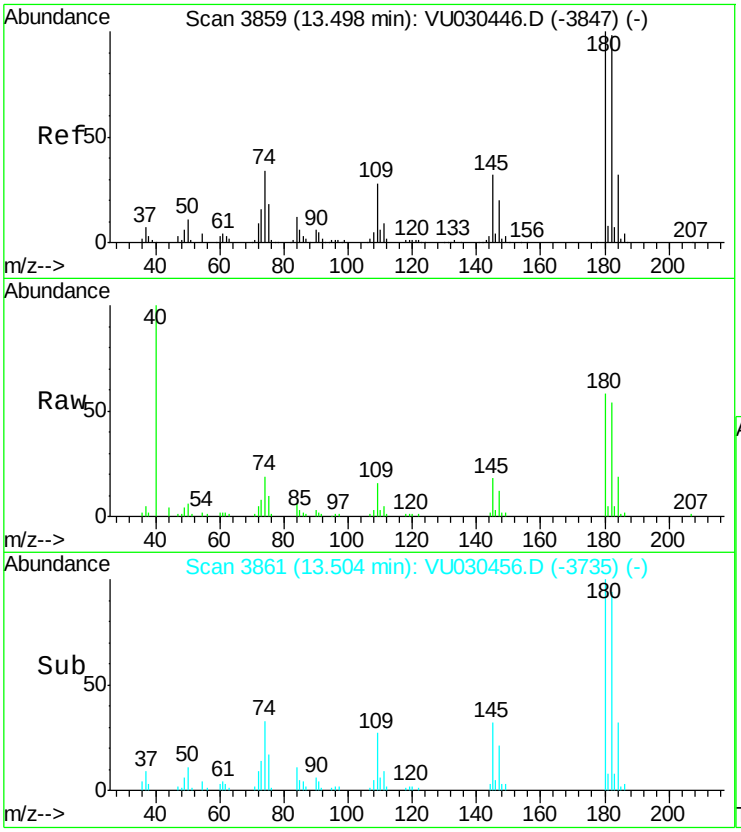


#65
1,2-Dichlorobenzene
Concen: 55.708 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

Tgt Ion:146 Resp: 315586

Ion	Ratio	Lower	Upper
146	100		
111	44.4	34.9	52.3
148	64.9	51.2	76.8

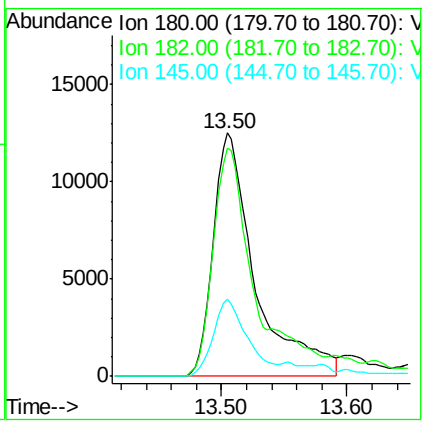




#68
1,2,4-trichlorobenzene
Concen: 7.997 ug/L
RT: 13.50 min Scan# 3861
Delta R.T. 0.01 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

Tgt Ion:180 Resp: 29143

Ion	Ratio	Lower	Upper
180	100		
182	75.7	76.1	114.1#
145	25.9	24.5	36.7



Instrument :
MSVOA_U
ClientSampleId :
C09F3

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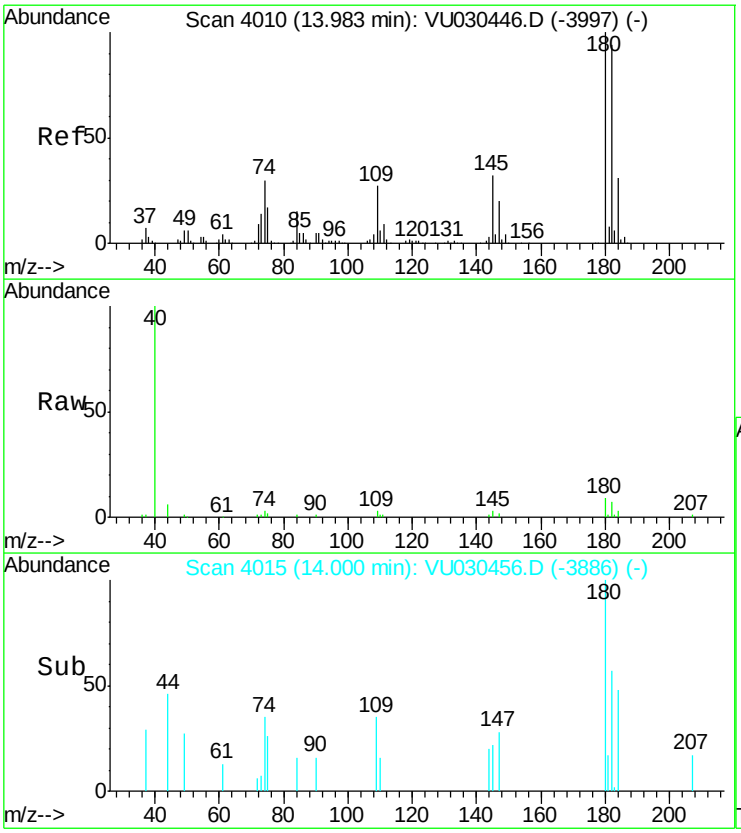
MMDadoda
3/27/2019 9:56:05 AM



#70
1,2,3-Trichlorobenzene
Concen: 1.418 ug/L m
RT: 14.00 min Scan# 4015
Delta R.T. 0.02 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

Tgt Ion:180 Resp: 5457

Ion	Ratio	Lower	Upper
180	100		
182	59.7	77.4	116.2#
145	11.3	25.9	38.9#