Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\
Data File : VU029054.D
Acq On : 07 Jan 2019 12:52
Operator : MD/SY
Sample : K1048-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0950

Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

Quant Time: Jan 08 02:49:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191860	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.13	117	238405	50.00	ug/L	0.05
60) 1,4-Dichlorobenzene-d4	11.51	152	142379	50.00	ug/L	0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	73411	47.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 95.46%			
7) Chloroethane-d5	1.67	69	57955	48.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.56%			
11) 1,1-Dichloroethene-d2	2.27	63	95289	36.84	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.68%			
21) 2-Butanone-d5	4.18	46	103697	96.23	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.23%			
24) Chloroform-d	4.65	84	130816	54.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.18%			
26) 1,2-Dichloroethane-d4	5.31	65	73380	49.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.44%			
32) Benzene-d6	5.34	84	266451	39.56	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 79.12%			
36) 1,2-Dichloropropane-d6	6.33	67	87494	38.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 76.48%			
41) Toluene-d8	7.57	98	239433	39.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 78.46%#			
43) trans-1,3-Dichloropropene-	7.85	79	40029	39.04	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 78.08%			
47) 2-Hexanone-d5	8.31	63	76340	70.25	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 70.25%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127076	40.03	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 80.06%			
64) 1,2-Dichlorobenzene-d4	11.90	152	148680	51.63	ug/L	0.04
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.26%			
Target Compounds						Qvalue
13) Acetone	2.32	43	21169	19.276	ug/L	99
25) Chloroform	4.67	83	336826	136.595	ug/L	99
29) Cyclohexane	4.99	56	17133	5.400	ug/L	98
31) Carbon tetrachloride	5.13	117	125396	61.625	ug/L	99
33) Benzene	5.39	78	23381632m	3080.627	ug/L	
35) Methylcyclohexane	6.41	83	7135	2.338	ug/L #	79
38) Bromodichloromethane	6.76	83	3412	1.452	ug/L	94
42) Toluene	7.64	91	9631	1.252	ug/L	99
46) Tetrachloroethene	8.23	164	2599	1.842	ug/L	89
51) Chlorobenzene	9.12	112	46055727m	9498.070	ug/L	
62) 1,3-Dichlorobenzene	11.43	146	6324610	1398.361	ug/L	98
63) 1,4-Dichlorobenzene	11.52	146	30326009m	6507.950	ug/L	
65) 1,2-Dichlorobenzene	11.89	146	34786274m	7372.960	ug/L	
68) 1,2,4-trichlorobenzene	13.52	180	10209418	3655.985	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	2209635	733.810	ug/L	99

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\
Data File : VU029054.D
Acq On : 07 Jan 2019 12:52
Operator : MD/SY
Sample : K1048-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0950

Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

Quant Time: Jan 08 02:49:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

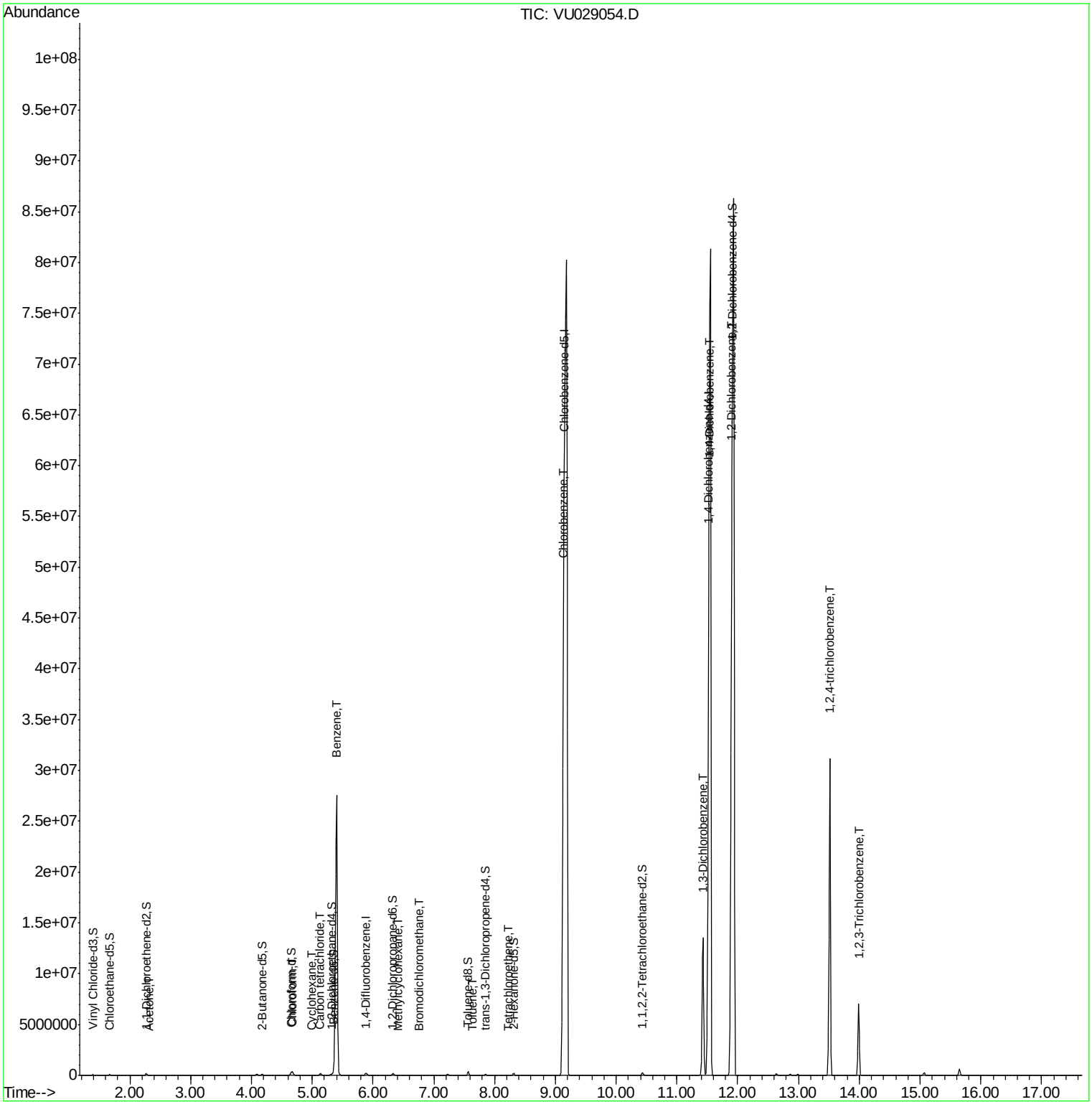
Quantitation Report (LSC Reviewed)

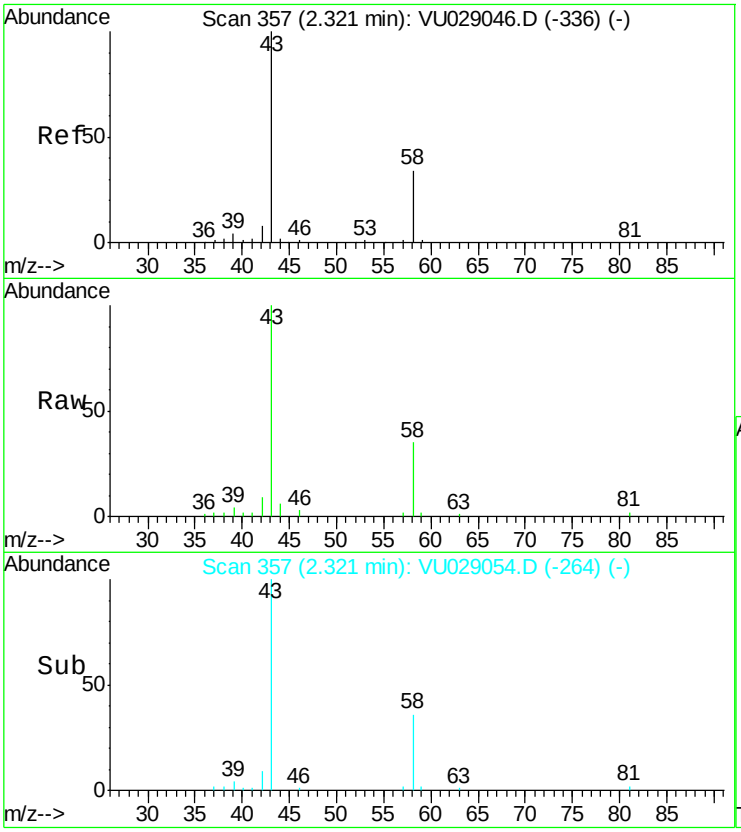
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\
Data File : VU029054.D
Acq On : 07 Jan 2019 12:52
Operator : MD/SY
Sample : K1048-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 08 02:49:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0950

Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

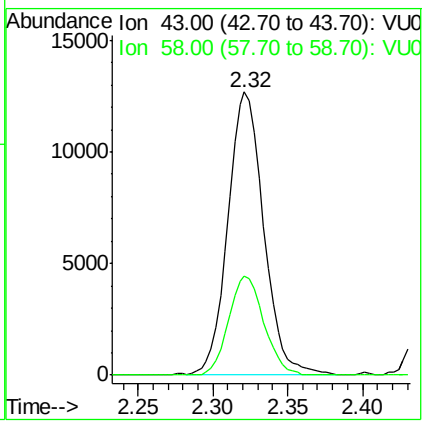




#13
Acetone
Concen: 19.276 ug/L
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

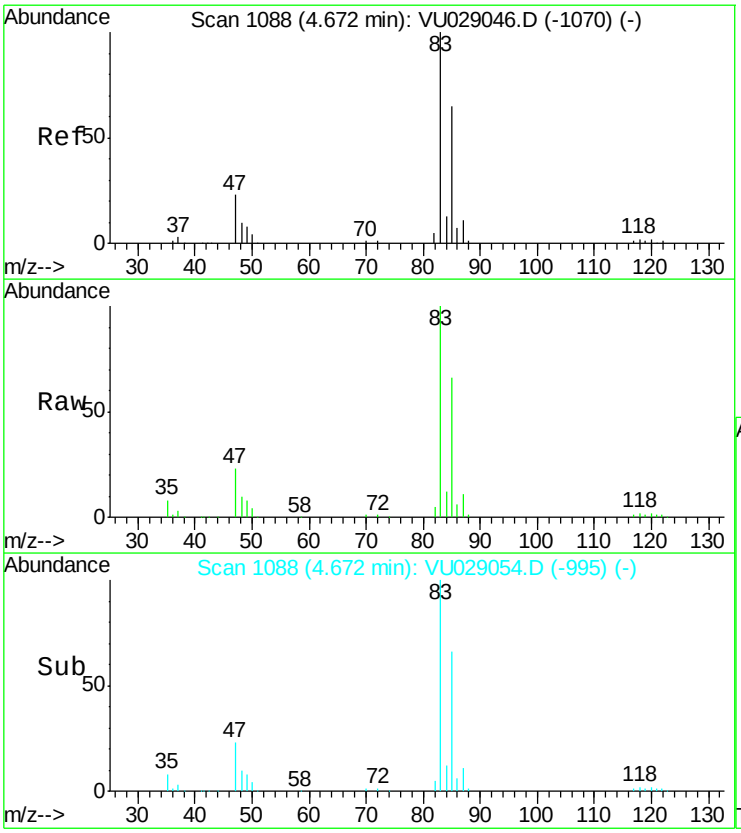
Tgt Ion: 43 Resp: 21169

Ion	Ratio	Lower	Upper
43	100		
58	34.3	0.0	70.2



Instrument :
MSVOA_U
ClientSampleId :
C0950

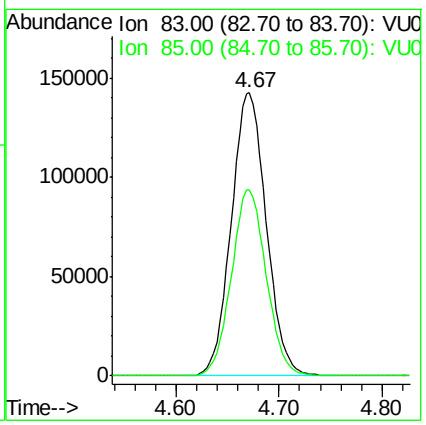
Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

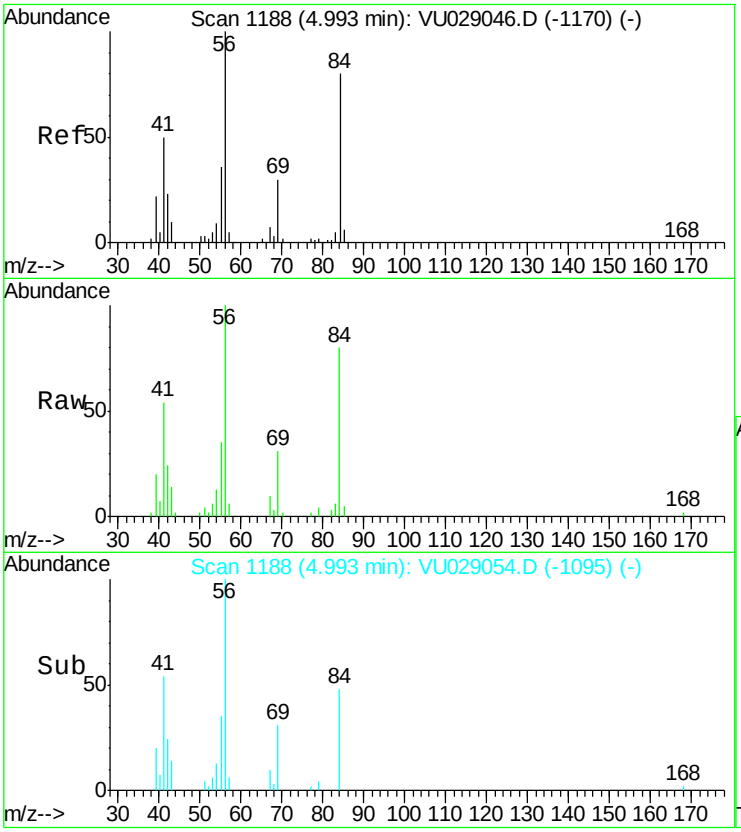


#25
Chloroform
Concen: 136.595 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion: 83 Resp: 336826

Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.6	84.6

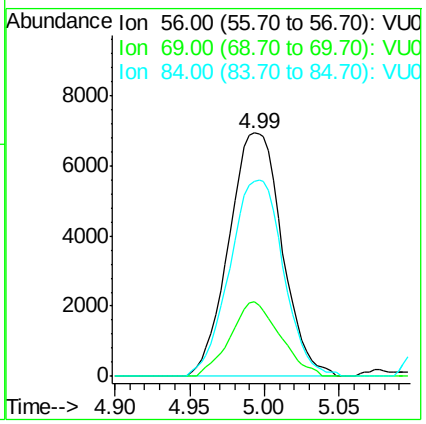




#29
Cyclohexane
Concen: 5.400 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

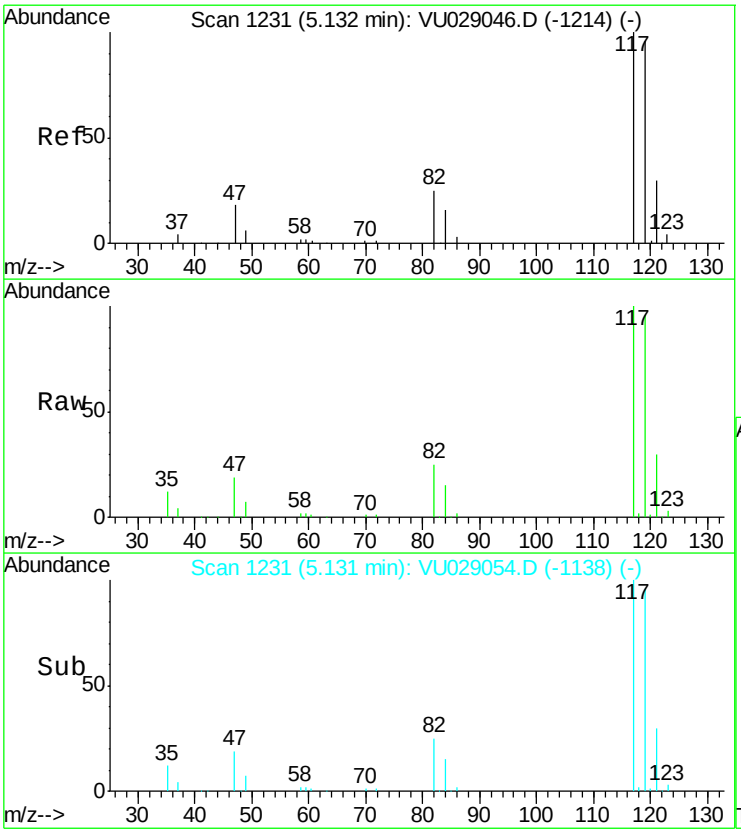
Tgt Ion: 56 Resp: 17133

Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.8	35.8
84	81.6	63.8	95.8



Instrument :
MSVOA_U
ClientSampleId :
C0950

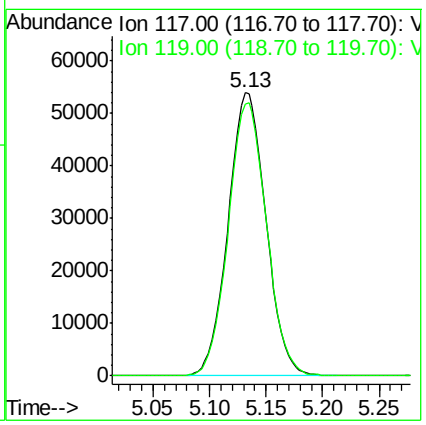
Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

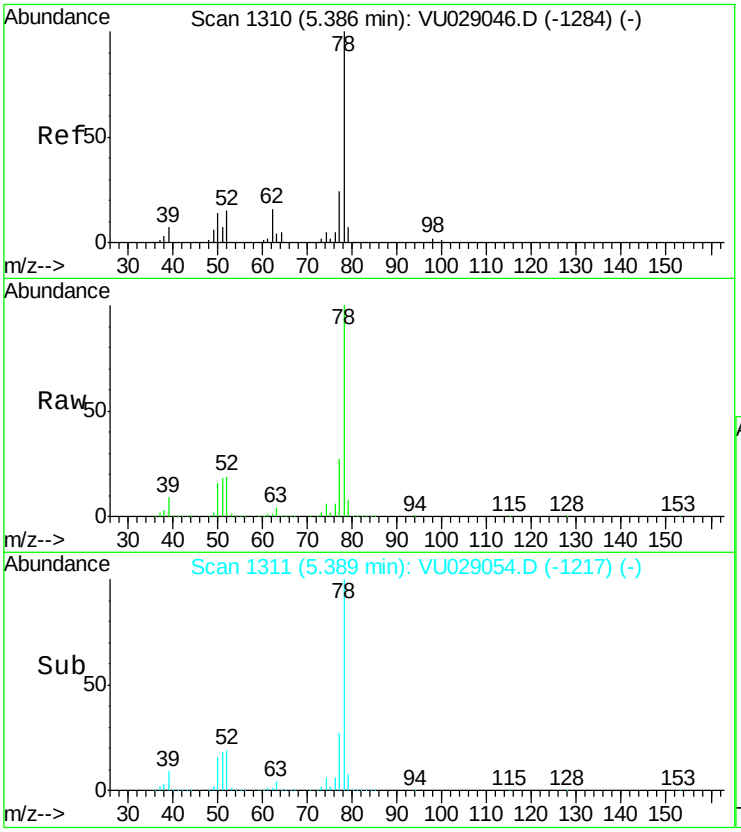


#31
Carbon tetrachloride
Concen: 61.625 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion:117 Resp: 125396

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.0	115.6



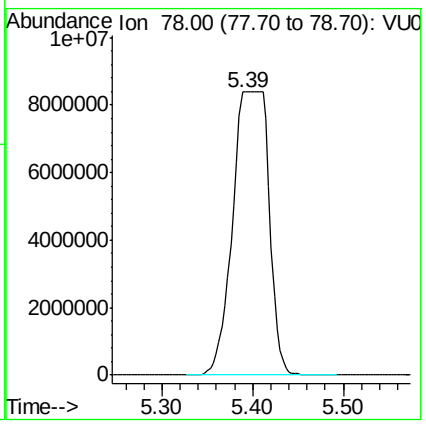


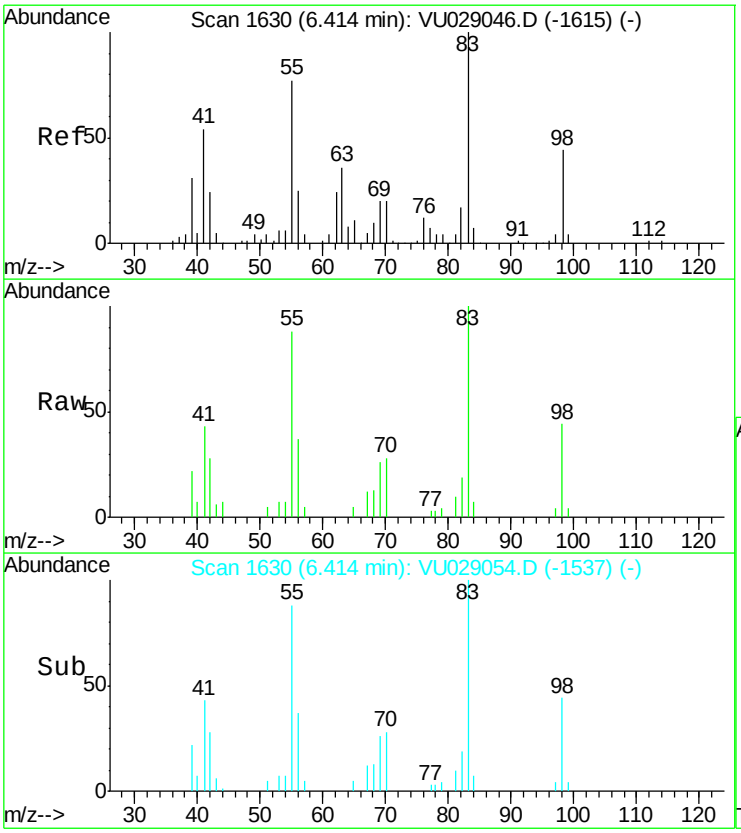
#33
Benzene
Concen: 3080.627 ug/L m
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion: 78 Resp:23381632

Instrument :
MSVOA_U
ClientSampleId :
C0950

Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

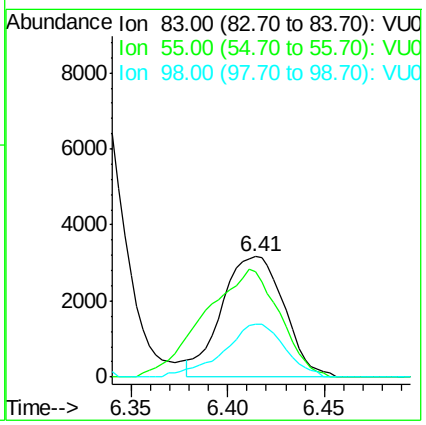


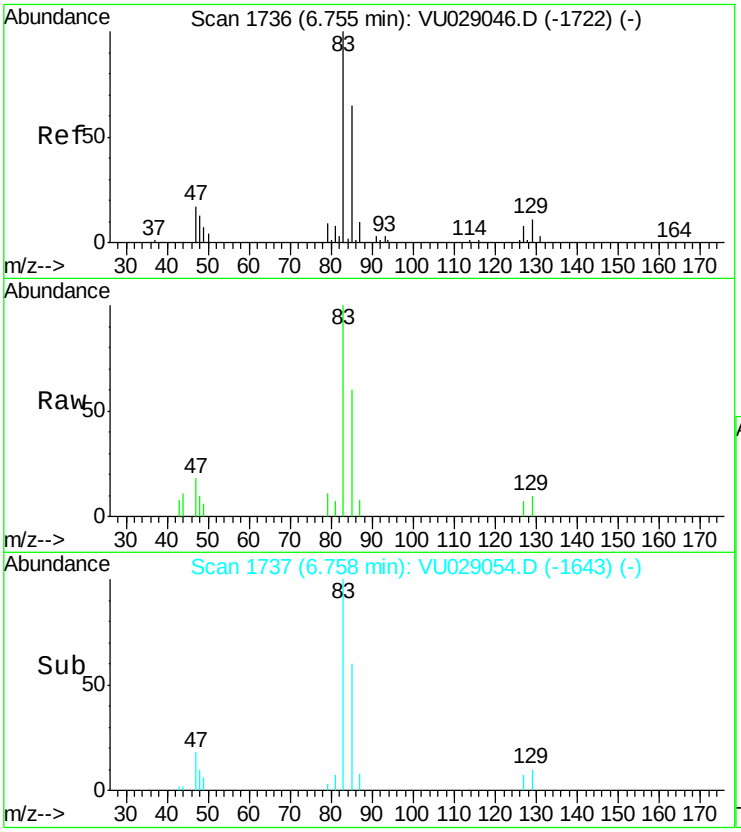


#35
Methylcyclohexane
Concen: 2.338 ug/L
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion: 83 Resp: 7135

Ion	Ratio	Lower	Upper
83	100		
55	106.9	63.7	95.5#
98	43.0	35.6	53.4

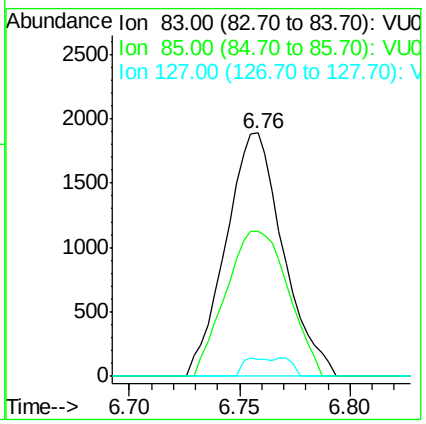




#38
Bromodichloromethane
Concen: 1.452 ug/L
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

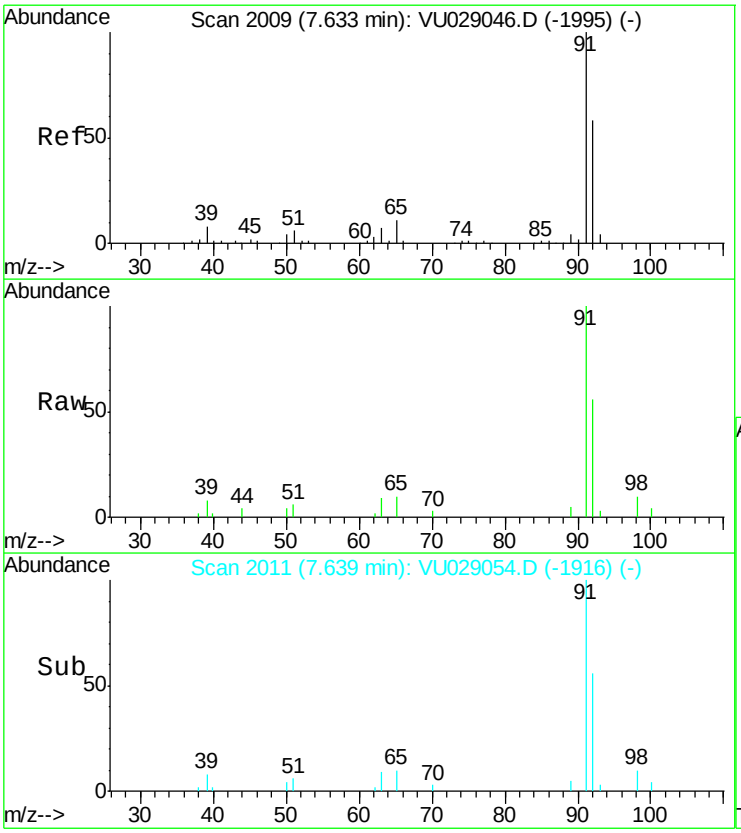
Tgt Ion: 83 Resp: 3412

Ion	Ratio	Lower	Upper
83	100		
85	59.8	45.4	84.2
127	7.2	6.2	9.2



Instrument :
MSVOA_U
ClientSampleId :
C0950

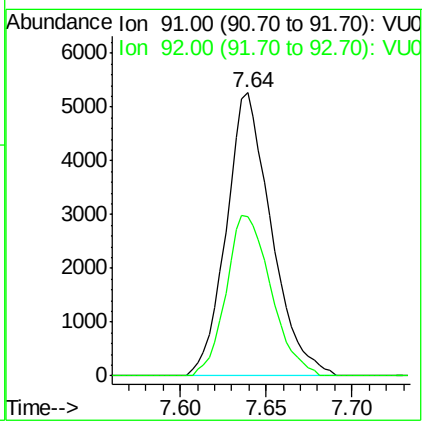
Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

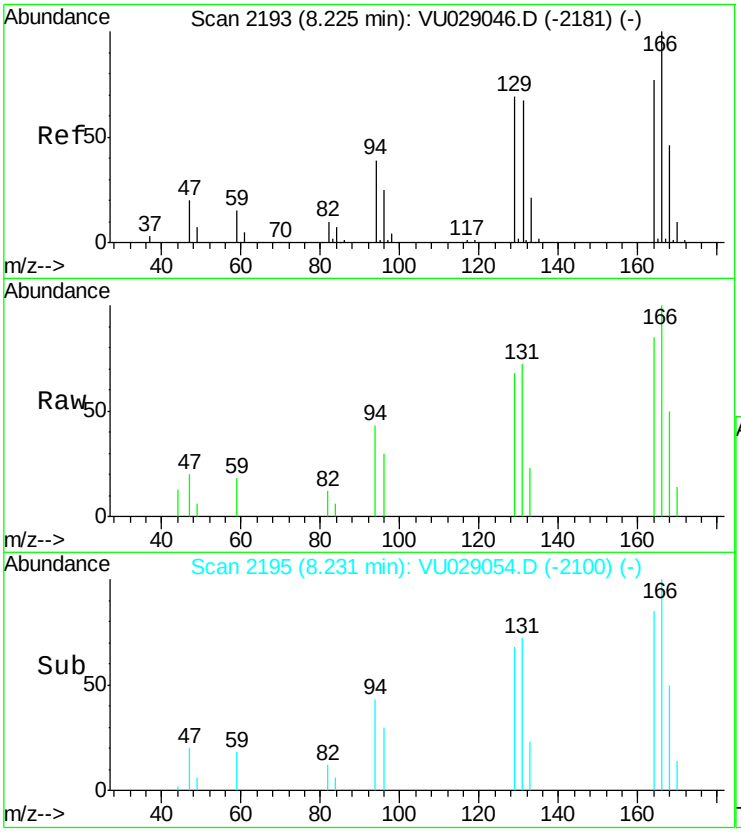


#42
Toluene
Concen: 1.252 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. 0.01 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion: 91 Resp: 9631

Ion	Ratio	Lower	Upper
91	100		
92	56.2	39.9	74.1

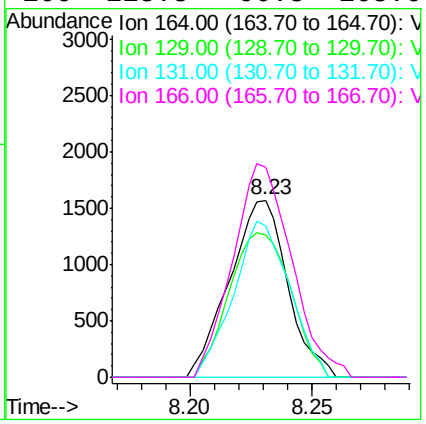




#46
Tetrachloroethene
Concen: 1.842 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.01 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

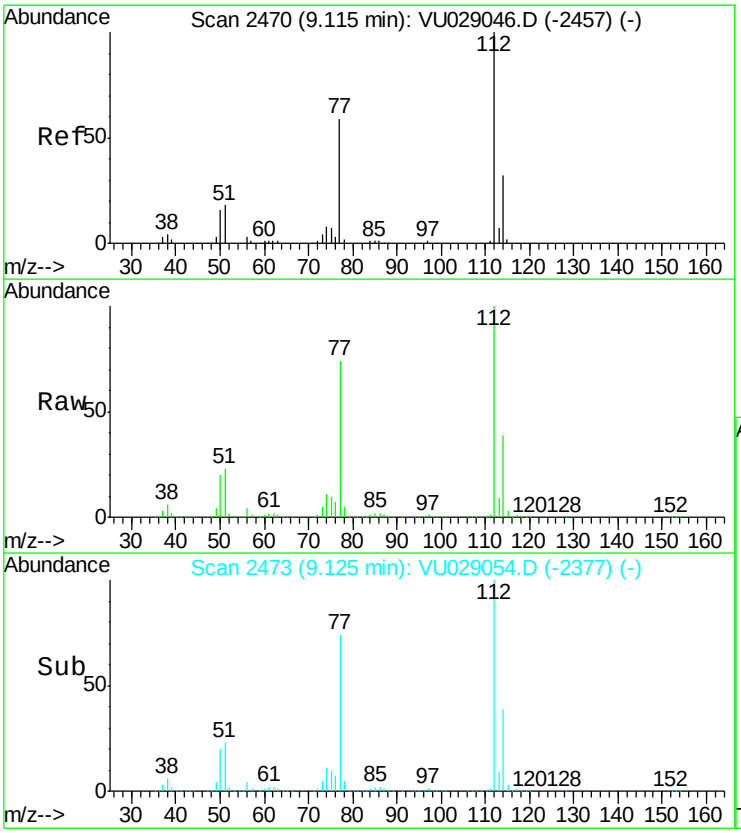
Tgt Ion:164 Resp: 2599

Ion	Ratio	Lower	Upper
164	100		
129	80.4	66.8	124.0
131	85.2	64.2	119.2
166	118.3	90.8	168.6



Instrument :
MSVOA_U
ClientSampleId :
C0950

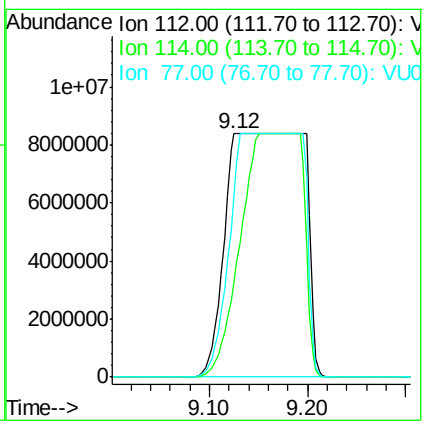
Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

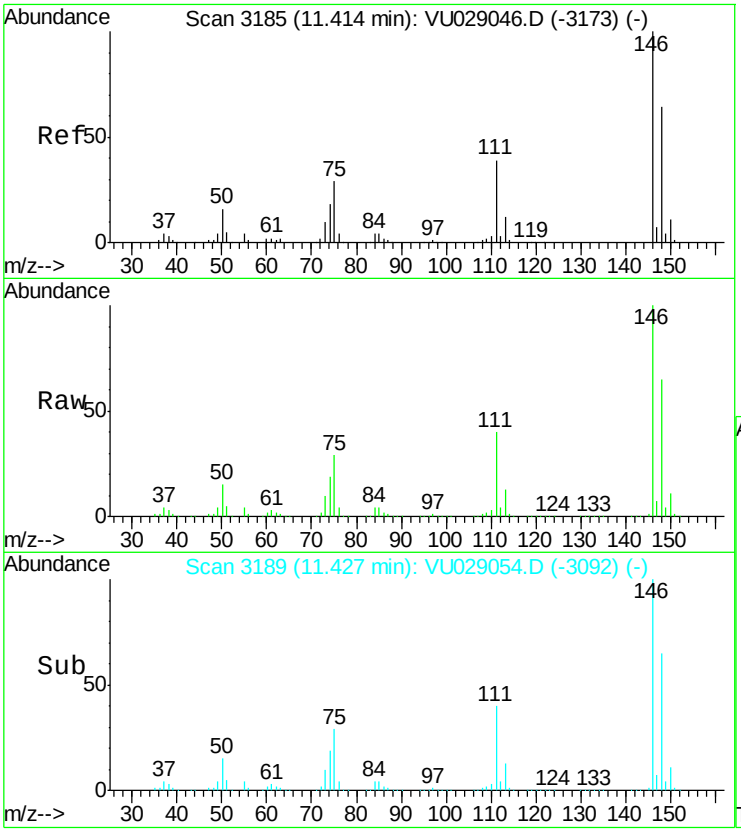


#51
Chlorobenzene
Concen: 9498.070 ug/L m
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion:112 Resp:46055727

Ion	Ratio	Lower	Upper
112	100		
114	38.8	22.2	41.2
77	73.7	47.8	71.8#

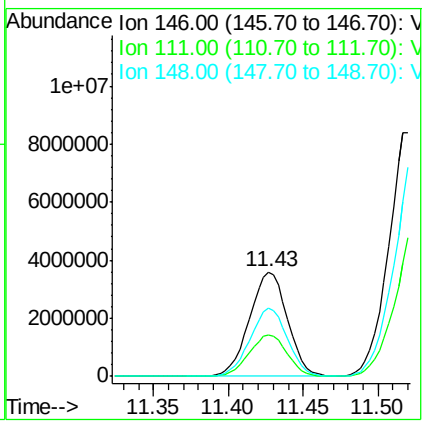




#62
1,3-Dichlorobenzene
Concen: 1398.361 ug/L
RT: 11.43 min Scan# 3189
Delta R.T. 0.01 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

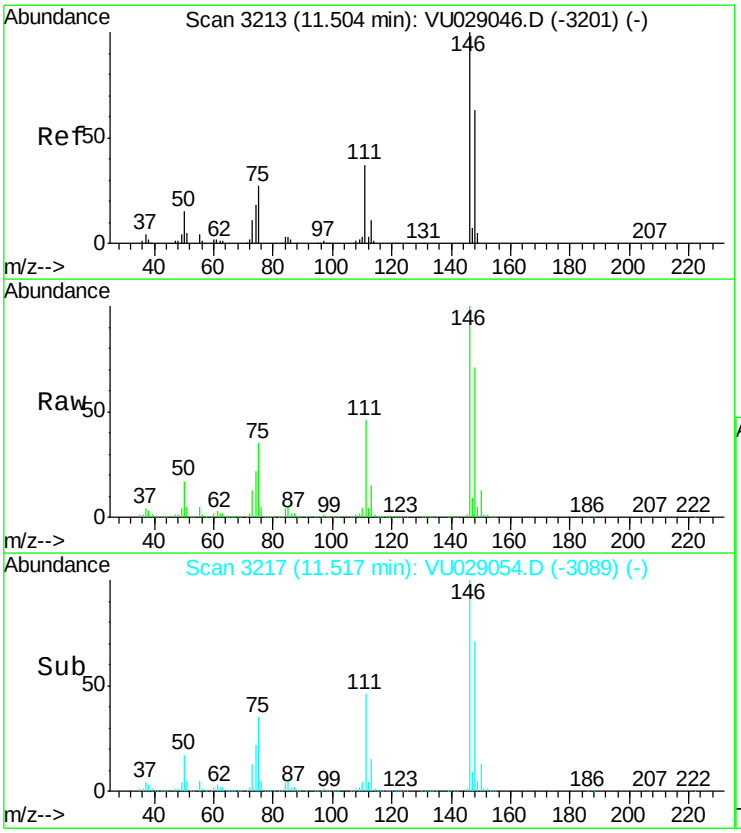
Tgt Ion:146 Resp: 6324610

Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.4	50.8
148	65.1	44.2	82.2



Instrument :
MSVOA_U
ClientSampleId :
C0950

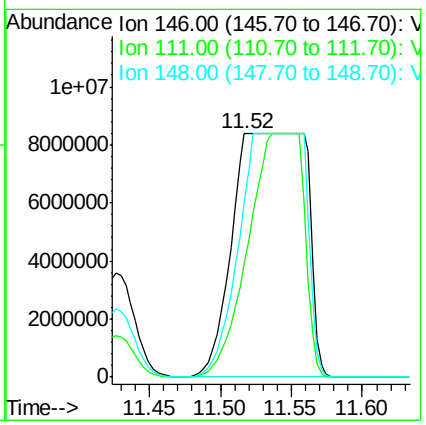
Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

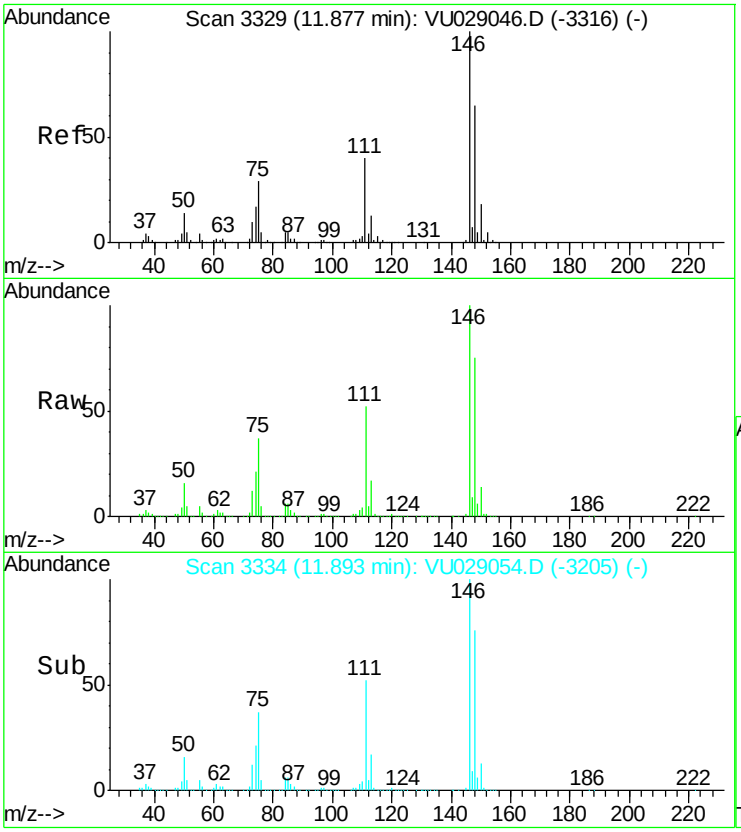


#63
1,4-Dichlorobenzene
Concen: 6507.950 ug/L m
RT: 11.52 min Scan# 3217
Delta R.T. 0.01 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion:146 Resp:30326009

Ion	Ratio	Lower	Upper
146	100		
111	46.3	26.5	49.1
148	71.4	45.1	83.9

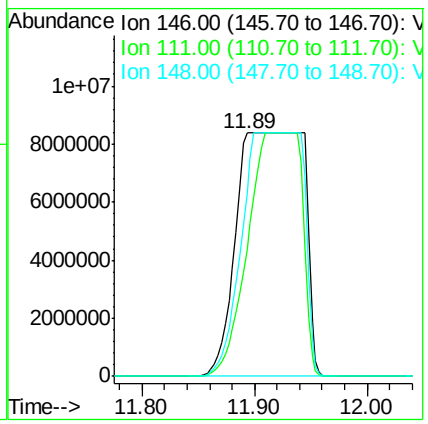




#65
1,2-Dichlorobenzene
Concen: 7372.960 ug/L m
RT: 11.89 min Scan# 3334
Delta R.T. 0.02 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

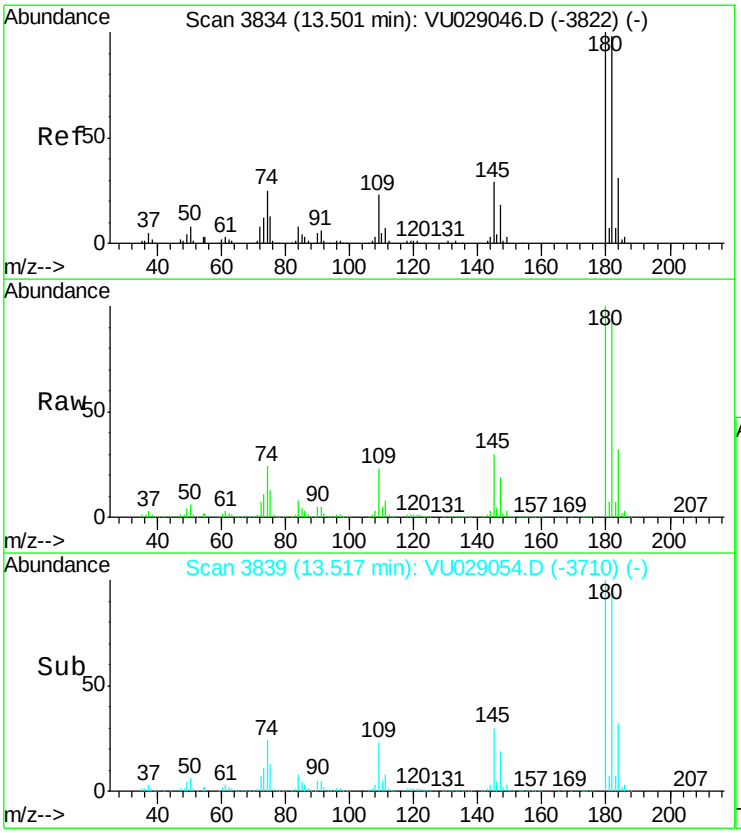
Tgt Ion:146 Resp:34786274

Ion	Ratio	Lower	Upper
146	100		
111	52.4	32.1	48.1#
148	75.5	49.7	74.5#



Instrument :
MSVOA_U
ClientSampleId :
C0950

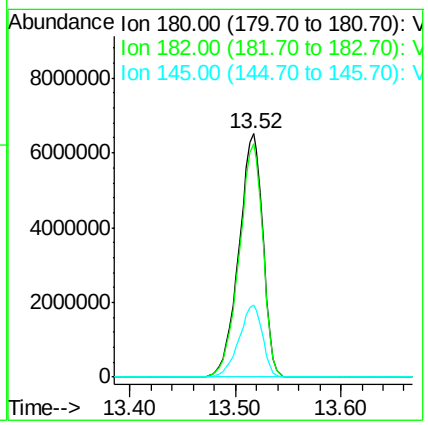
Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM

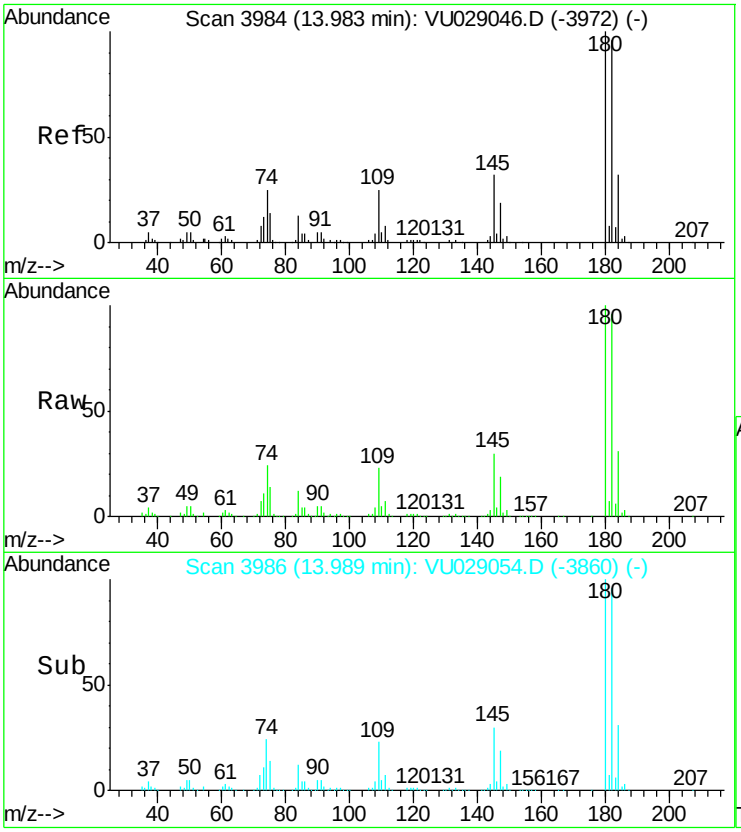


#68
1,2,4-trichlorobenzene
Concen: 3655.985 ug/L
RT: 13.52 min Scan# 3839
Delta R.T. 0.02 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion:180 Resp:10209418

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.0
145	29.1	23.5	35.3

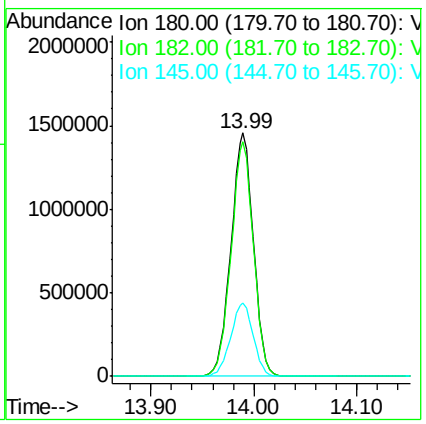




#70
1,2,3-Trichlorobenzene
Concen: 733.810 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.01 min
Lab File: VU029054.D
Acq: 07 Jan 2019 12:52

Tgt Ion:180 Resp: 2209635

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	30.3	24.5	36.7



Instrument :
MSVOA_U
ClientSampleId :
C0950

Manual Integrations APPROVED
MMDadoda
1/8/2019 9:17:20 AM