Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034683.D
Acq On : 20 Sep 2019 13:01
Operator : JC/SP
Sample : K4895-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF5

Manual Integrations APPROVED
MMDadoda
9/23/2019 9:32:49 AM

Quant Time: Sep 21 03:30:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 21 02:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	489989	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	467068	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	225360	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	221373	44.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.26%			
7) Chloroethane-d5	1.67	69	178980	46.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.34%			
11) 1,1-Dichloroethene-d2	2.26	63	295137m	34.74	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.48%			
21) 2-Butanone-d5	4.15	46	369848	96.20	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.20%			
24) Chloroform-d	4.62	84	192567	26.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 52.82%#			
26) 1,2-Dichloroethane-d4	5.29	65	258465	48.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.42%			
32) Benzene-d6	5.32	84	698339	48.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.48%			
36) 1,2-Dichloropropane-d6	6.31	67	249046	49.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.44%			
41) Toluene-d8	7.54	98	667060	48.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.86%			
43) trans-1,3-Dichloropropene-	7.83	79	109998	45.39	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.78%			
47) 2-Hexanone-d5	8.29	63	250217	98.46	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 98.46%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	86866	12.37	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 24.74%#			
64) 1,2-Dichlorobenzene-d4	11.84	152	233301	49.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.74%			
Target Compounds						Qvalue
13) Acetone	2.31	43	20952	4.685	ug/L	99
16) Methylene chloride	2.68	84	4356	1.073	ug/L	96
25) Chloroform	4.65	83	160470	20.267	ug/L	98
34) Trichloroethene	6.16	95	10025	2.506	ug/L #	85
35) Methylcyclohexane	6.39	83	11211	1.651	ug/L	95
42) Toluene	7.61	91	252275	14.410	ug/L	97
46) Tetrachloroethene	8.21	164	90560	32.181	ug/L	94
52) Ethylbenzene	9.23	91	139583	7.080	ug/L	100
53) m,p-Xylene	9.35	106	318974	45.681	ug/L	96
54) o-xylene	9.76	106	590091	85.441	ug/L	96
56) Isopropylbenzene	10.14	105	28127	1.510	ug/L	95
62) 1,3-Dichlorobenzene	11.40	146	12707	1.628	ug/L	90
63) 1,4-Dichlorobenzene	11.49	146	20660	2.599	ug/L	94
65) 1,2-Dichlorobenzene	11.85	146	209941	26.623	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	7629	1.855	ug/L #	69

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Quant Title : VOC Analysis
QLast Update : Sat Sep 21 02:29:10 2019
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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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Manual Integrations APPROVED
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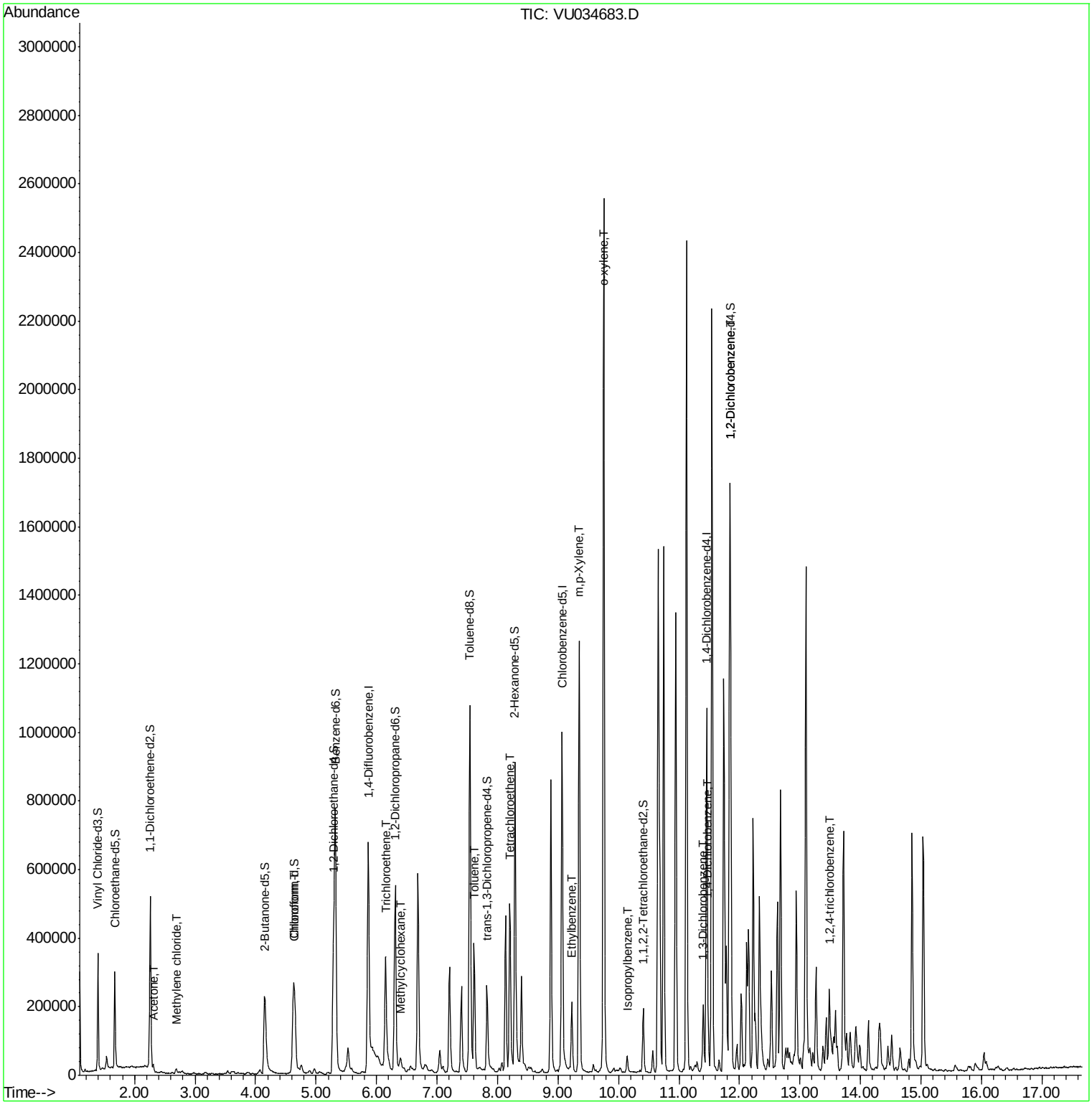
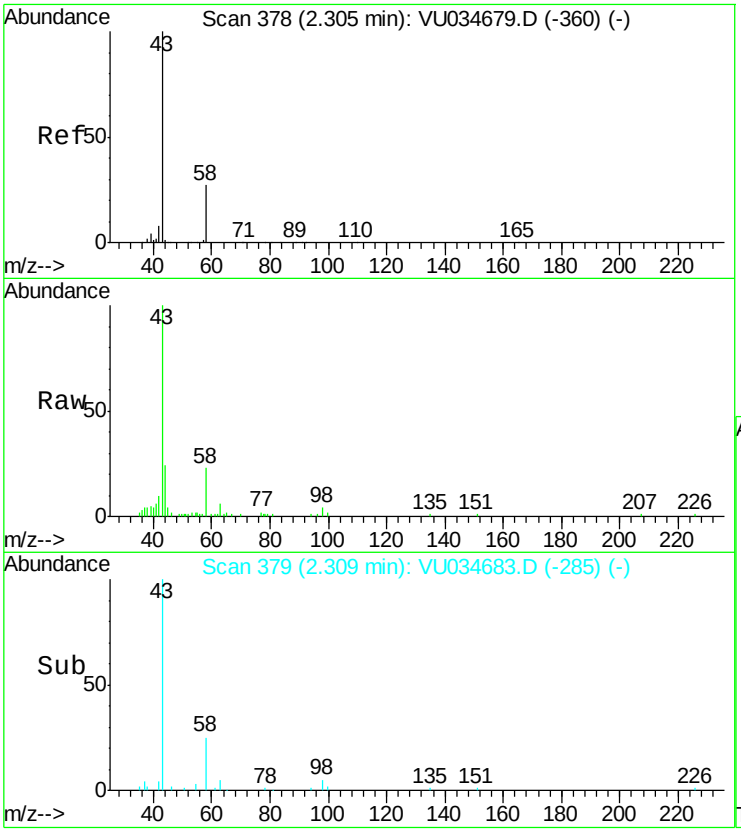
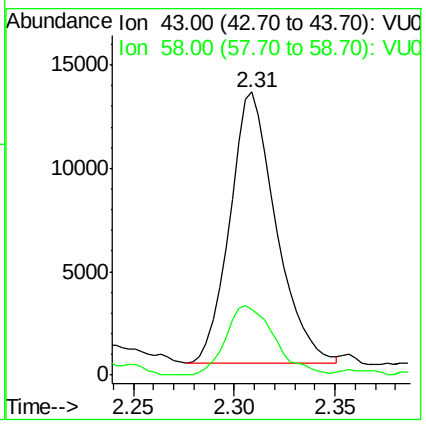




#13
Acetone
Concen: 4.685 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion: 43 Resp: 20952

Ion	Ratio	Lower	Upper
43	100		
58	27.2	0.0	53.4



Instrument :
MSVOA_U
ClientSampleId :
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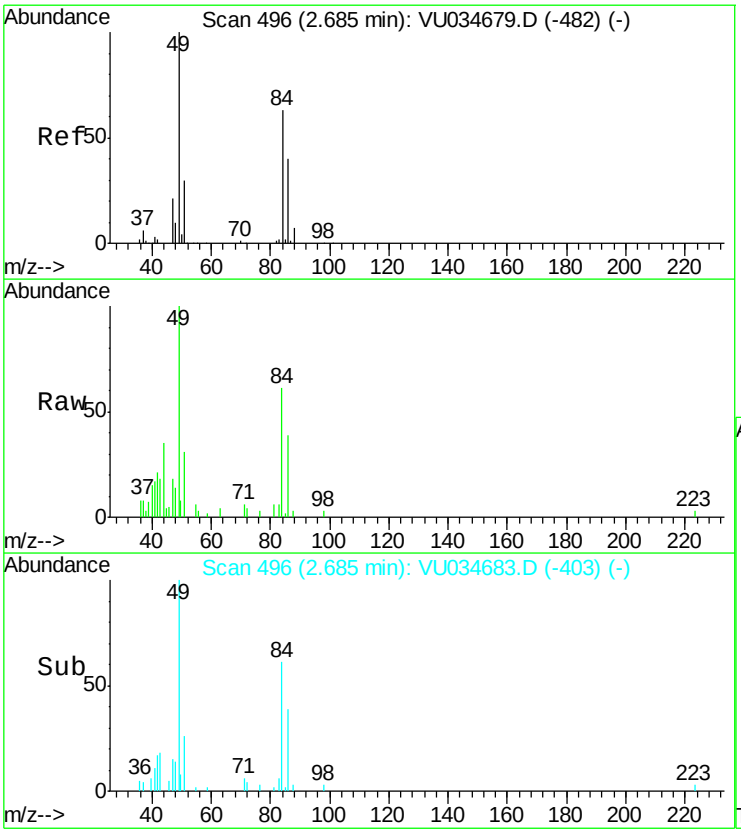
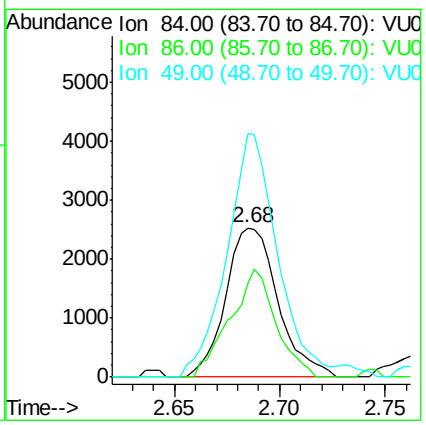
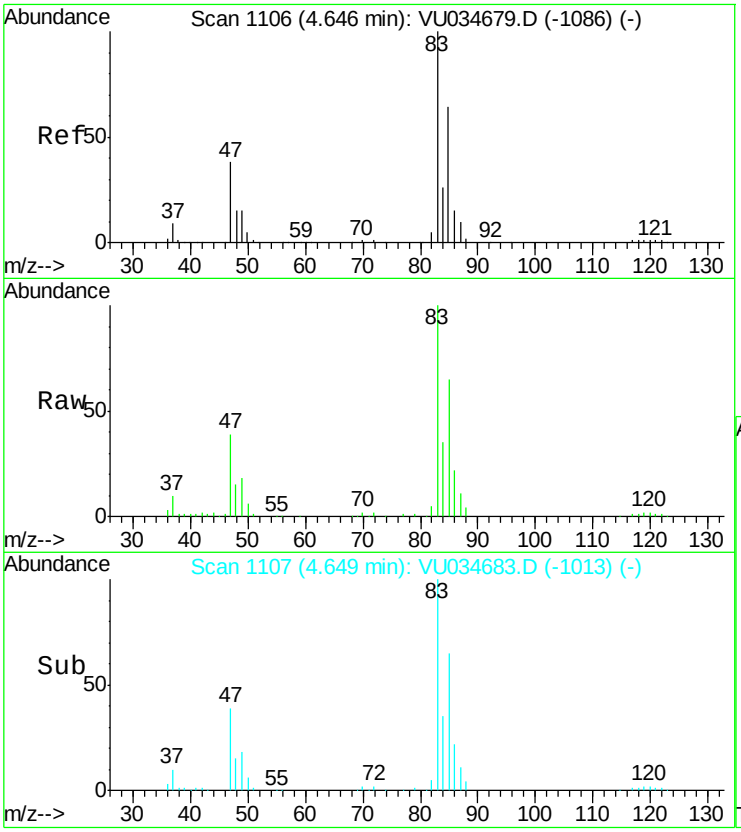


#16
Methylene chloride
Concen: 1.073 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion: 84 Resp: 4356

Ion	Ratio	Lower	Upper
84	100		
86	62.9	43.0	80.0
49	163.0	109.7	203.7

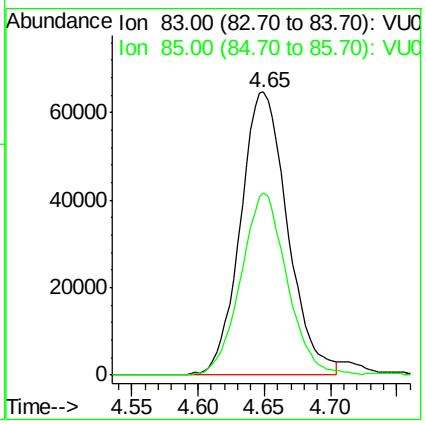




#25
Chloroform
Concen: 20.267 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion: 83 Resp: 160470

Ion	Ratio	Lower	Upper
83	100		
85	64.6	44.0	81.6



Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations APPROVED
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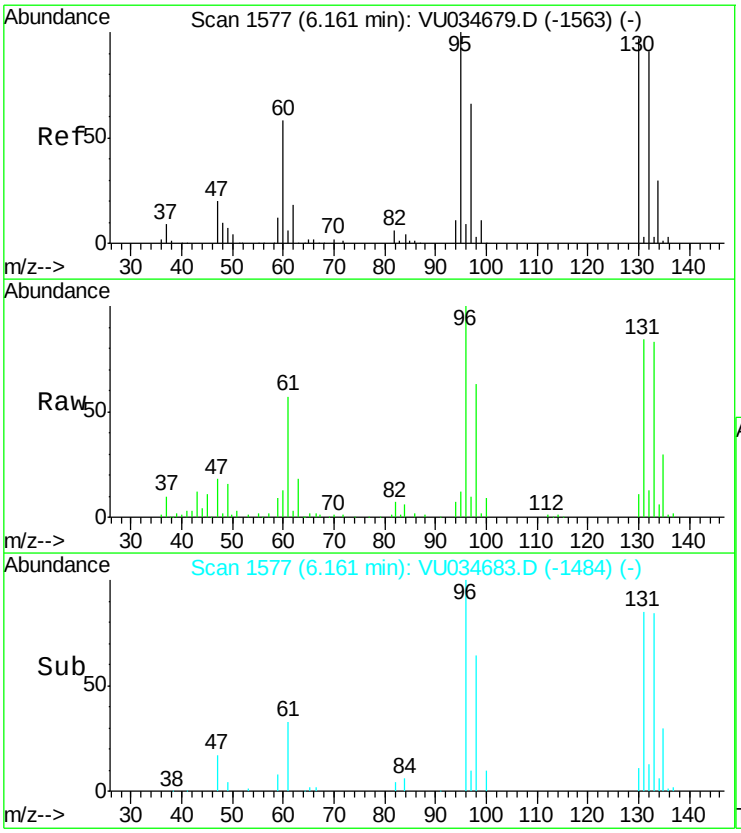
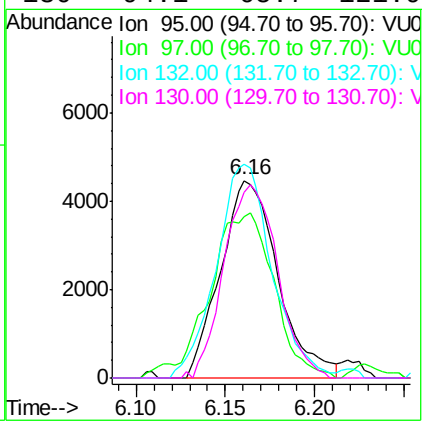
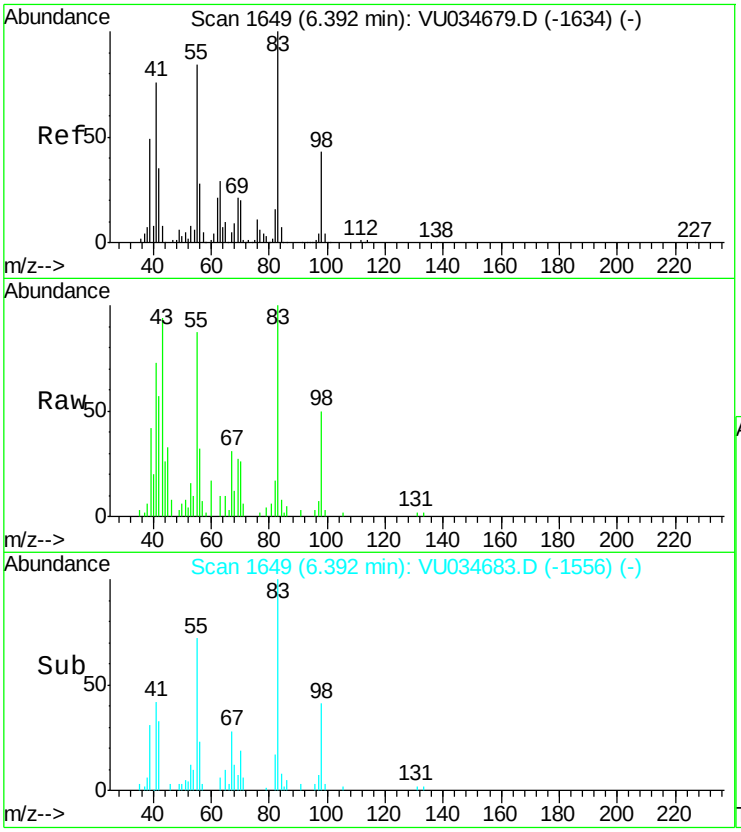


#34
Trichloroethene
Concen: 2.506 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion: 95 Resp: 10025

Ion	Ratio	Lower	Upper
95	100		
97	81.9	43.7	81.1#
132	108.3	61.0	113.2
130	94.1	65.7	121.9

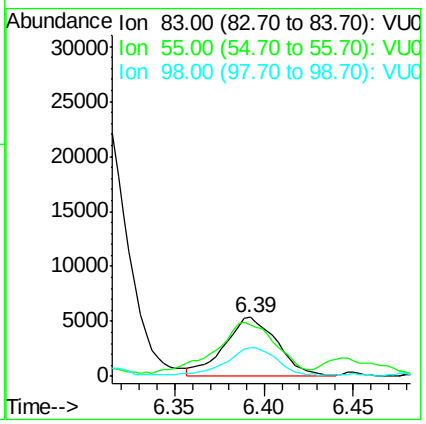




#35
Methylcyclohexane
Concen: 1.651 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion: 83 Resp: 11211

Ion	Ratio	Lower	Upper
83	100		
55	94.9	71.6	107.4
98	47.7	35.7	53.5



Instrument :
MSVOA_U
ClientSampleId :
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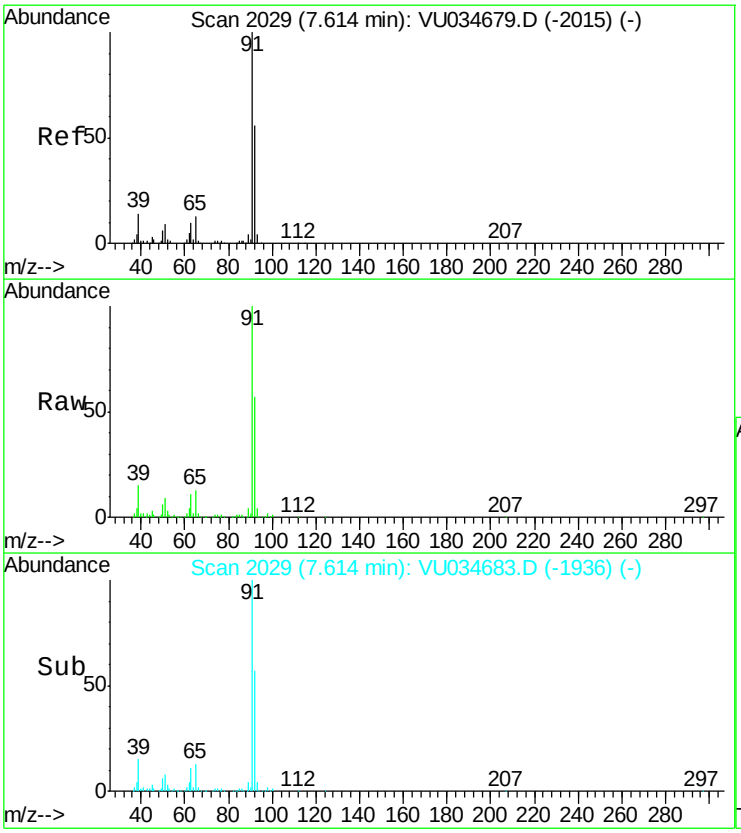
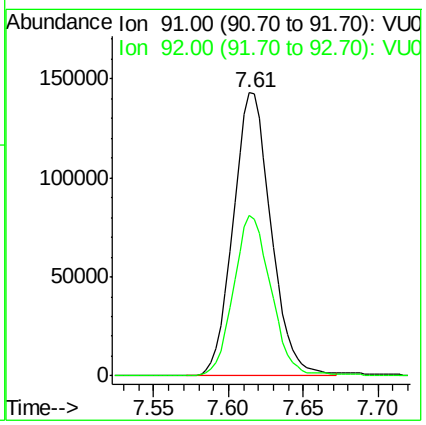
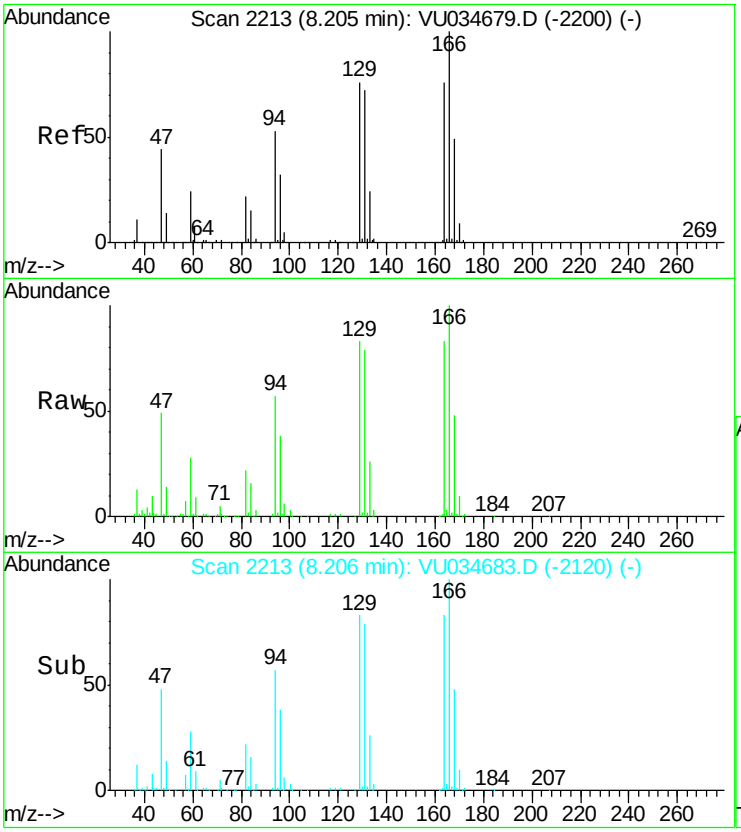


#42
Toluene
Concen: 14.410 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion: 91 Resp: 252275

Ion	Ratio	Lower	Upper
91	100		
92	56.7	38.2	71.0

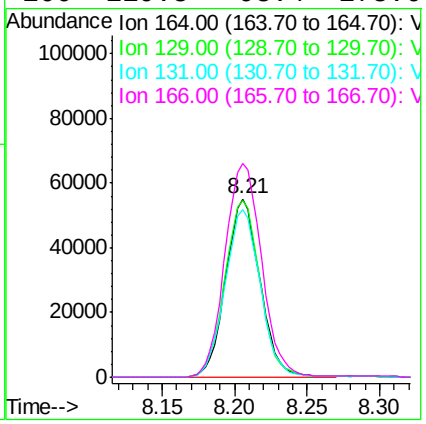




#46
Tetrachloroethene
Concen: 32.181 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:164 Resp: 90560

Ion	Ratio	Lower	Upper
164	100		
129	99.4	71.9	133.5
131	94.3	66.3	123.1
166	119.8	93.4	173.6



Instrument :
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ClientSampleId :
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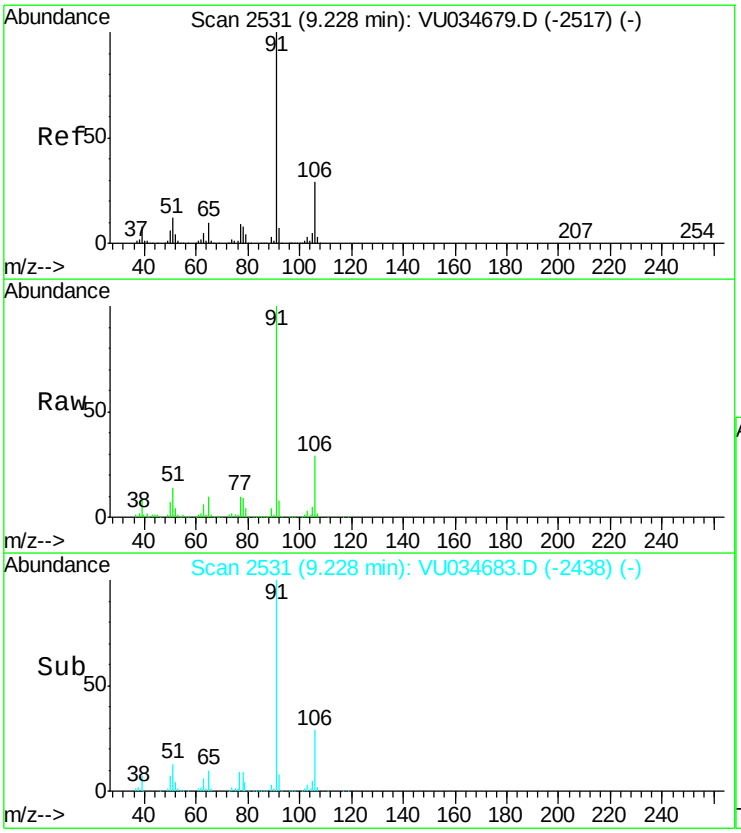
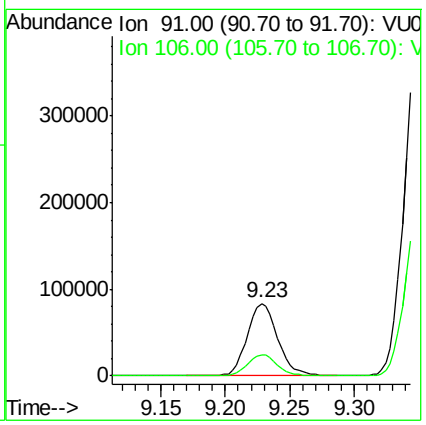
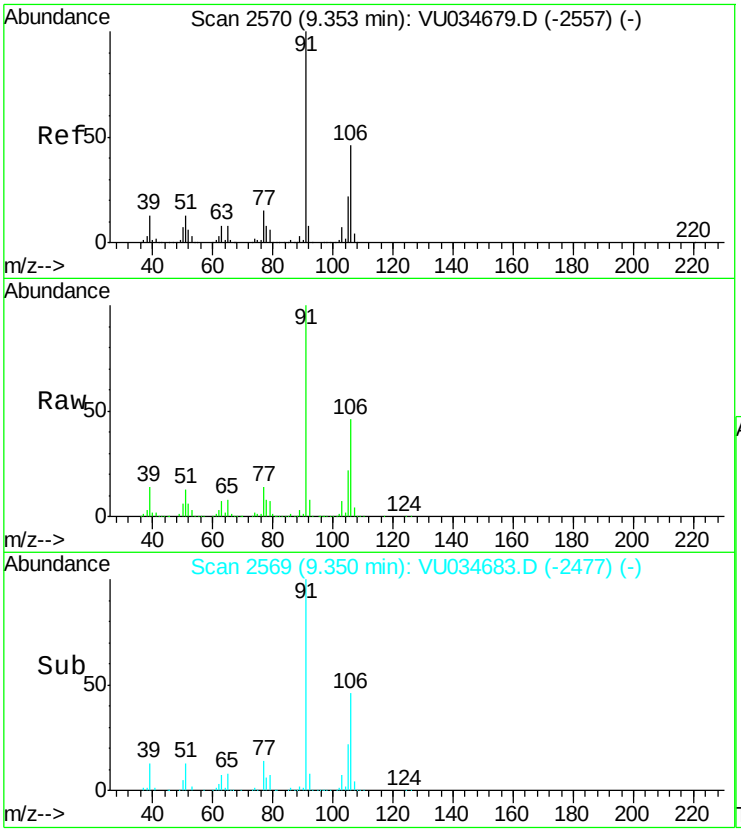


#52
Ethylbenzene
Concen: 7.080 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion: 91 Resp: 139583

Ion	Ratio	Lower	Upper
91	100		
106	29.4	20.6	38.4

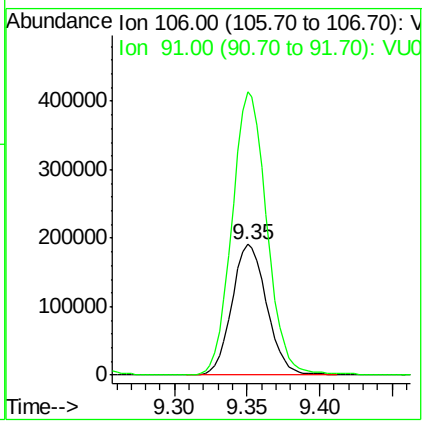




#53
m,p-Xylene
Concen: 45.681 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:106 Resp: 318974

Ion	Ratio	Lower	Upper
106	100		
91	216.3	146.9	272.7



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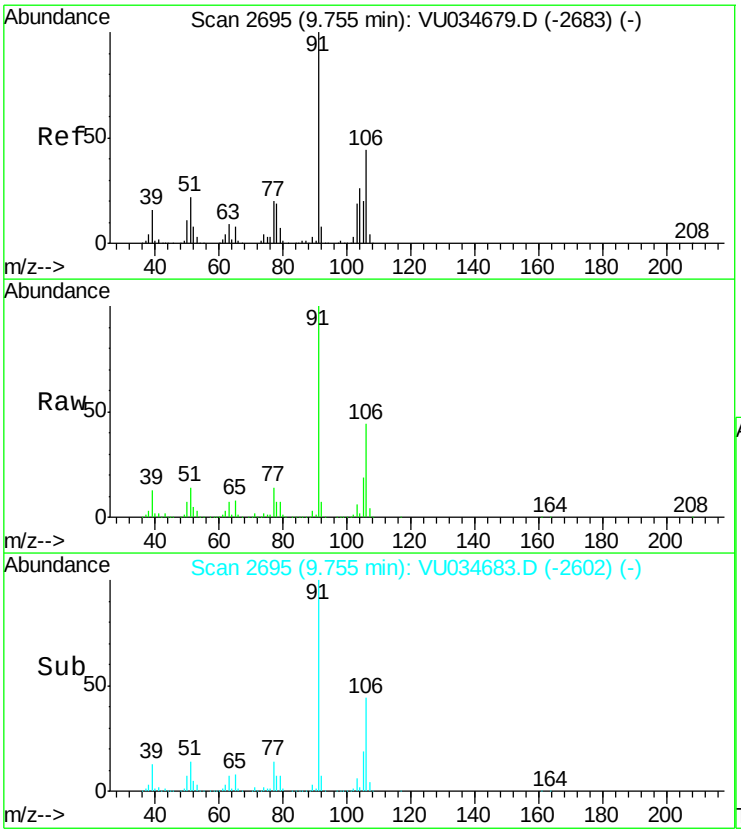
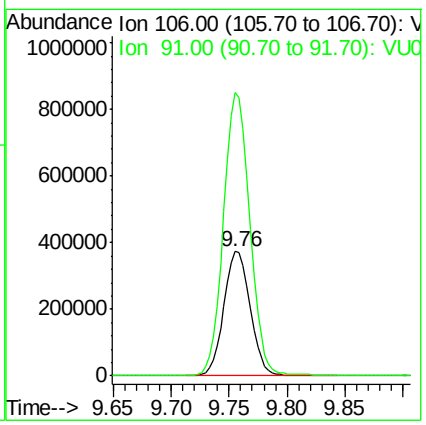
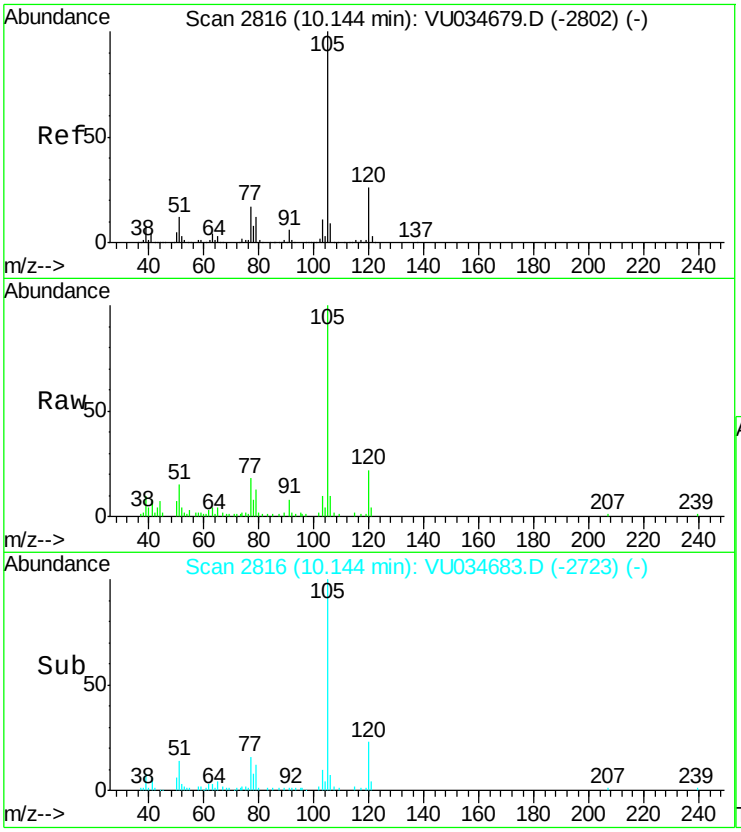


#54
o-xylene
Concen: 85.441 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:106 Resp: 590091

Ion	Ratio	Lower	Upper
106	100		
91	228.1	155.6	289.0

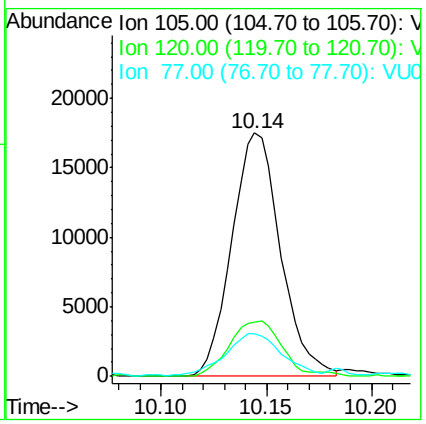




#56
Isopropylbenzene
Concen: 1.510 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:105 Resp: 28127

Ion	Ratio	Lower	Upper
105	100		
120	24.0	20.4	30.6
77	20.8	14.2	21.4



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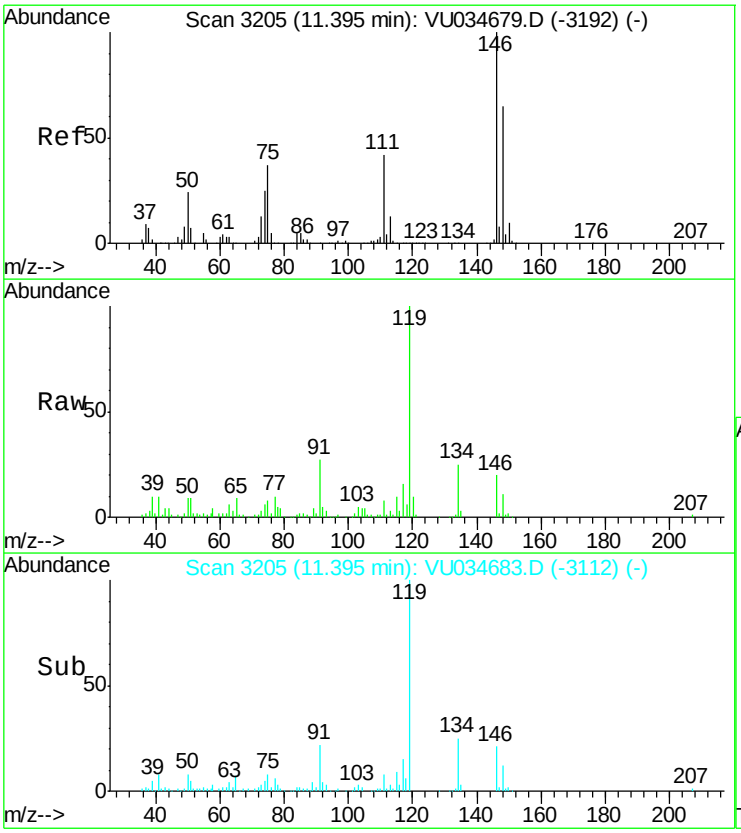
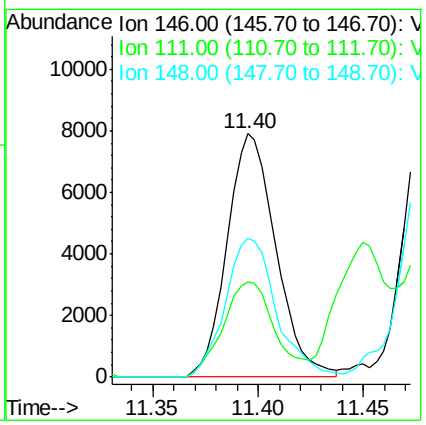
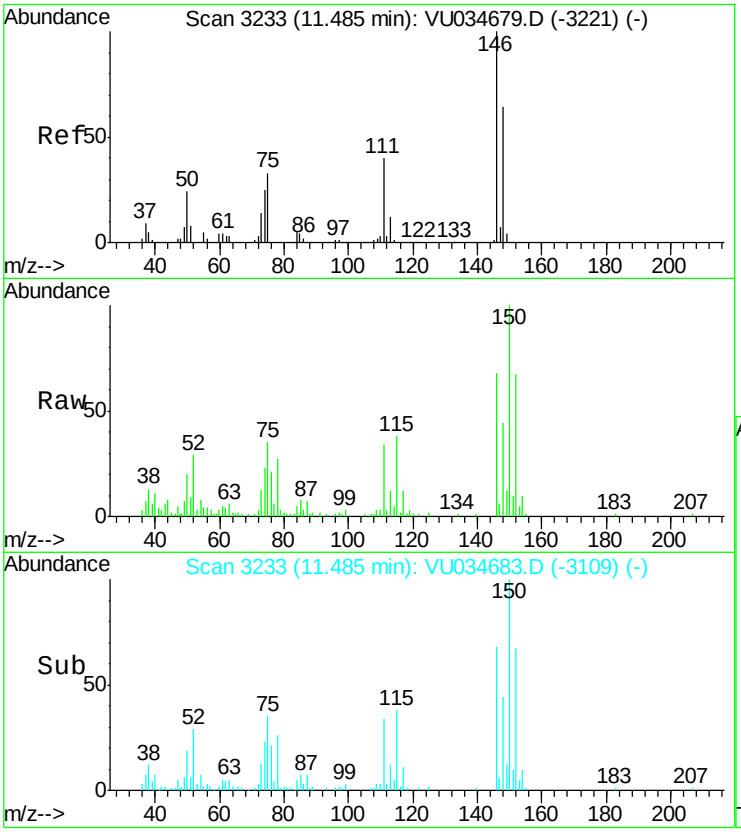


#62
1,3-Dichlorobenzene
Concen: 1.628 ug/L
RT: 11.40 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:146 Resp: 12707

Ion	Ratio	Lower	Upper
146	100		
111	39.0	30.4	56.5
148	56.9	46.1	85.7

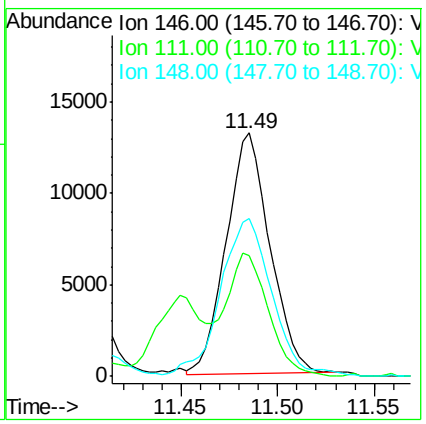




#63
1,4-Dichlorobenzene
Concen: 2.599 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:146 Resp: 20660

Ion	Ratio	Lower	Upper
146	100		
111	49.8	29.5	54.9
148	64.8	44.4	82.4



Instrument :
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ClientSampleId :
BFDF5

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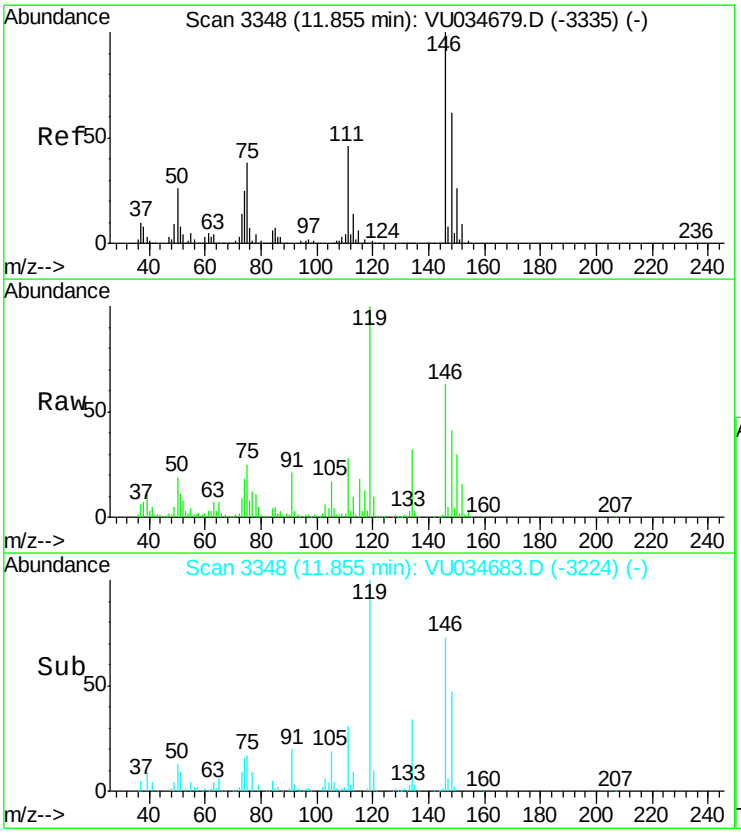
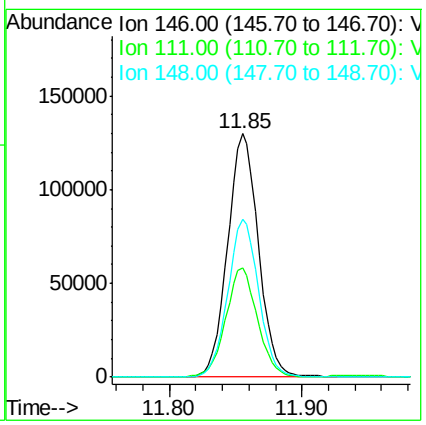
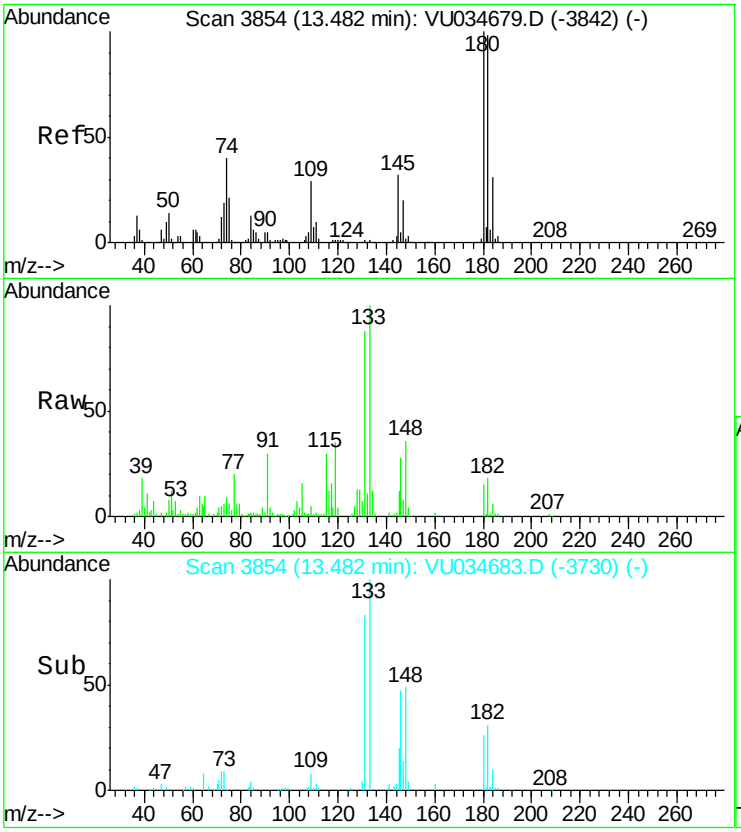


#65
1,2-Dichlorobenzene
Concen: 26.623 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:146 Resp: 209941

Ion	Ratio	Lower	Upper
146	100		
111	44.9	35.2	52.8
148	64.7	53.0	79.6

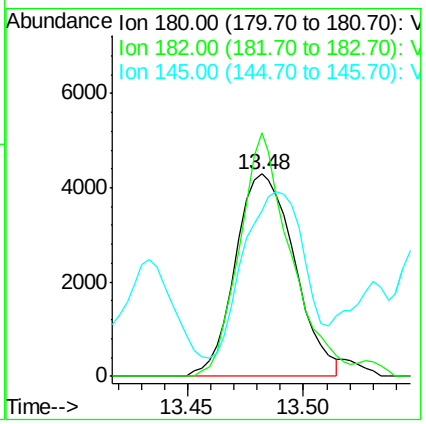




#68
1,2,4-trichlorobenzene
Concen: 1.855 ug/L
RT: 13.48 min Scan# 3854
Delta R.T. 0.00 min
Lab File: VU034683.D
Acq: 20 Sep 2019 13:01

Tgt Ion:180 Resp: 7629

Ion	Ratio	Lower	Upper
180	100		
182	104.0	75.7	113.5
145	83.8	25.2	37.8#



Instrument :
MSVOA_U
ClientSampleId :
BFDF5

Manual Integrations APPROVED
MMDadoda
9/23/2019 9:32:49 AM