Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034778.D
Acq On : 24 Sep 2019 17:59
Operator : JC/SP
Sample : K4932-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDG6RE

Manual Integrations APPROVED
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9/25/2019 10:06:23 AM

Quant Time: Sep 25 05:38:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 02:59:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	617661	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	568553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	260758	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	230387	36.44	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 72.88%			
7) Chloroethane-d5	1.67	69	207191	42.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.80%			
11) 1,1-Dichloroethene-d2	2.26	63	321087	29.99	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 59.98%#			
21) 2-Butanone-d5	4.19	46	28365m	5.85	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery = 5.85%#			
24) Chloroform-d	4.65	84	16712m	1.82	ug/L	0.03
Spiked Amount 50.000	Range 70 - 125		Recovery = 3.64%#			
26) 1,2-Dichloroethane-d4	5.28	65	285188	42.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.40%			
32) Benzene-d6	5.32	84	883442	50.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.26%			
36) 1,2-Dichloropropane-d6	6.31	67	304621	49.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.92%			
41) Toluene-d8	7.54	98	838144	49.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.98%			
43) trans-1,3-Dichloropropene-	7.83	79	133693	45.32	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.64%			
47) 2-Hexanone-d5	8.30	63	4246m	1.37	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 1.37%#			
57) 1,1,2,2-Tetrachloroethane-	10.42	84	1049m	0.12	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery = 0.24%#			
64) 1,2-Dichlorobenzene-d4	11.84	152	285851	52.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.56%			
Target Compounds						Qvalue
13) Acetone	2.31	43	941729	167.052	ug/L	96
16) Methylene chloride	2.68	84	105421	20.594	ug/L	93
22) 2-Butanone	4.23	43	373632	55.711	ug/L	90
25) Chloroform	4.65	83	392522	39.327	ug/L	99
29) Cyclohexane	4.97	56	28762m	3.065	ug/L	
33) Benzene	5.36	78	555340	28.163	ug/L	100
34) Trichloroethene	6.16	95	272750	56.007	ug/L	92
35) Methylcyclohexane	6.39	83	23887	2.890	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	2845509	253.843	ug/L	95
42) Toluene	7.61	91	4858646	227.992	ug/L	98
46) Tetrachloroethene	8.21	164	20460	5.973	ug/L	96
48) 2-Hexanone	8.33	43	337688	38.571	ug/L #	91
52) Ethylbenzene	9.23	91	1063636	44.323	ug/L	97
53) m,p-Xylene	9.35	106	1469036	172.832	ug/L	95
54) o-xylene	9.76	106	896512	106.638	ug/L	99
56) Isopropylbenzene	10.14	105	83277	3.674	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	67155	7.360	ug/L	94

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ALS Vial : 16 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 02:59:31 2019
Response via : Initial Calibration

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

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

Quantitation Report (LSC Reviewed)

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Manual Integrations APPROVED
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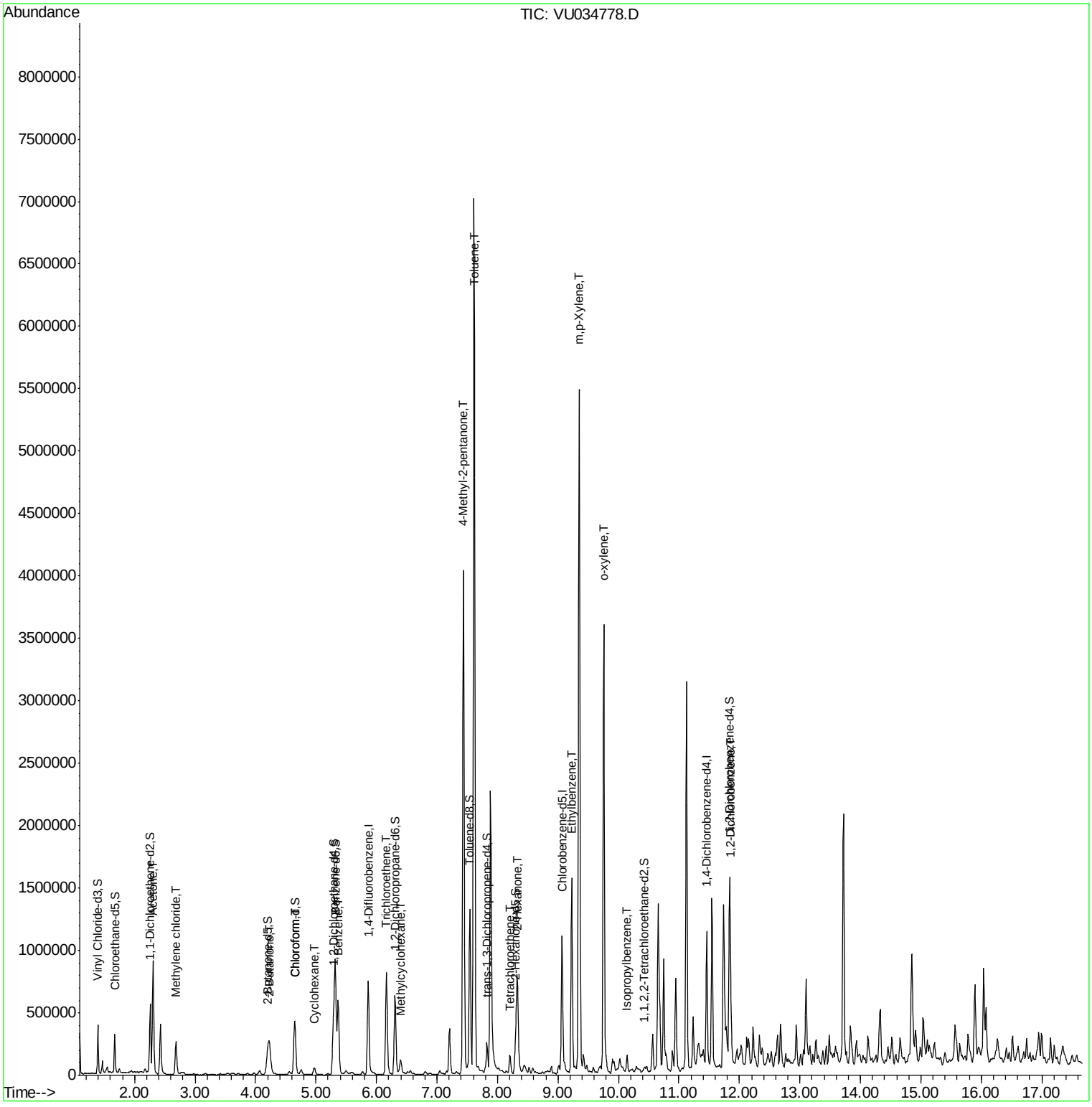
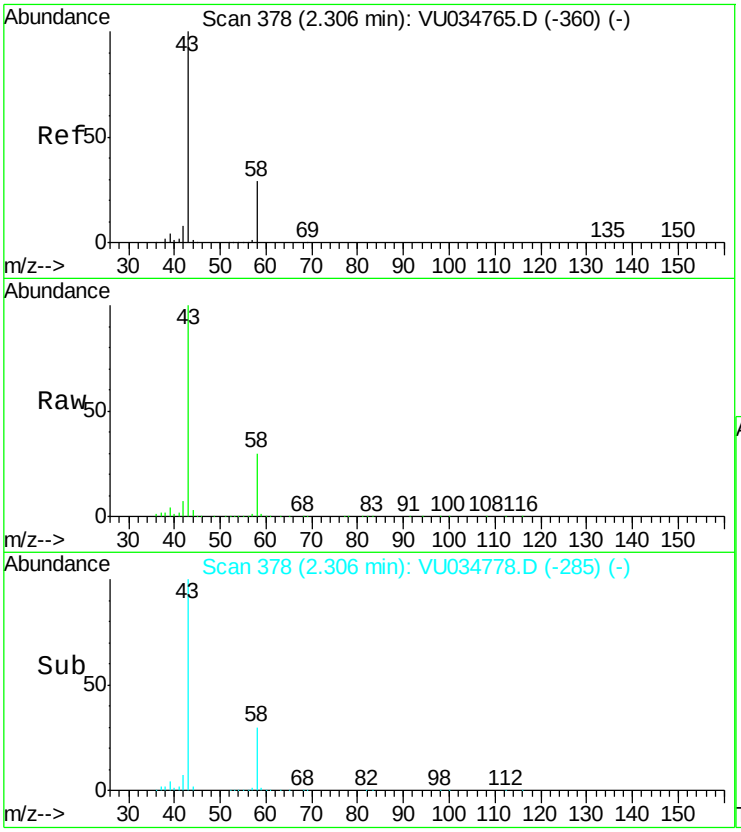
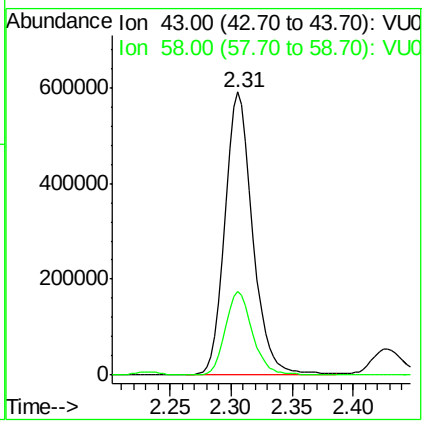




#13
Acetone
Concen: 167.052 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 43 Resp: 941729

Ion	Ratio	Lower	Upper
43	100		
58	28.7	0.0	53.4



Instrument :
MSVOA_U
ClientSampleId :
BFDG6RE

Manual Integrations APPROVED
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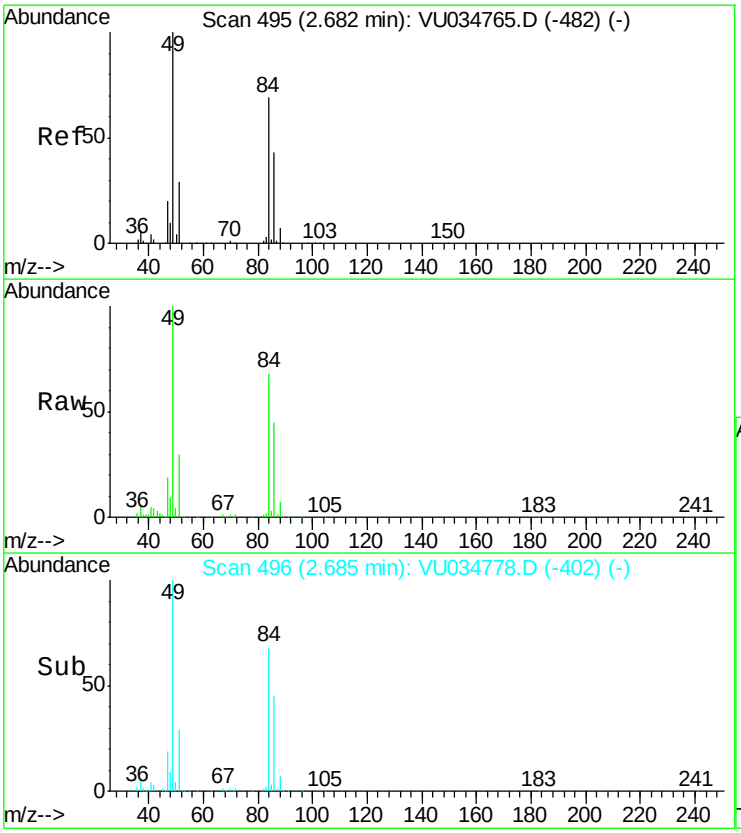
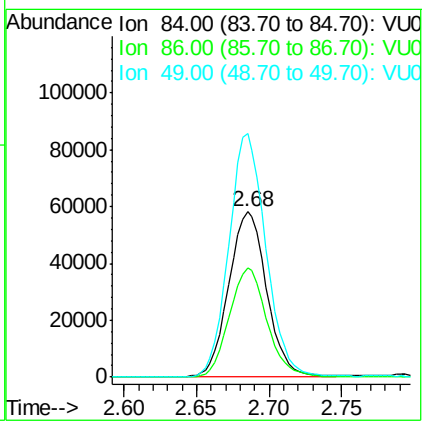
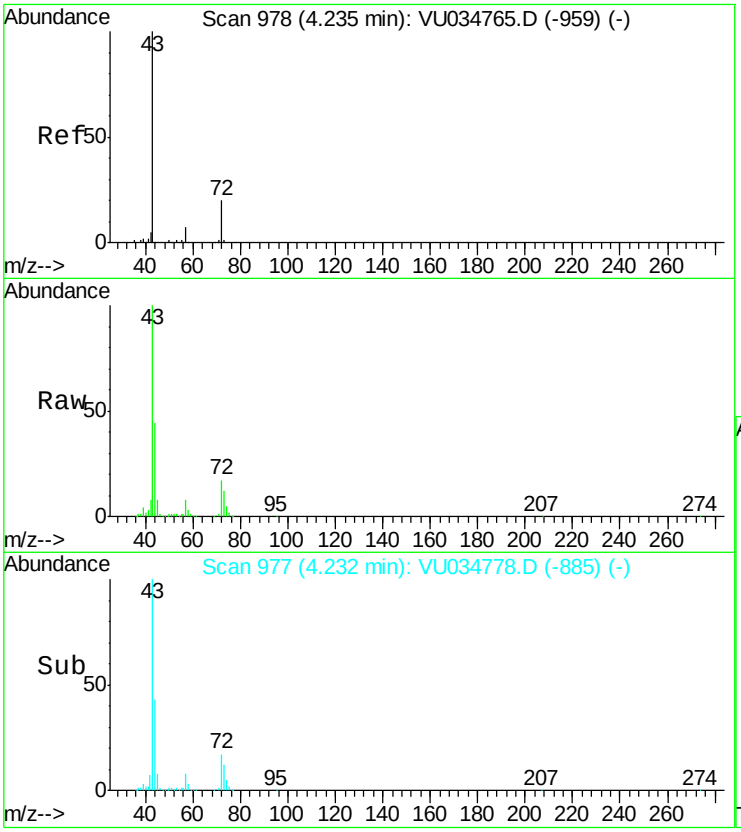


#16
Methylene chloride
Concen: 20.594 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 84 Resp: 105421

Ion	Ratio	Lower	Upper
84	100		
86	66.2	43.0	80.0
49	147.6	109.7	203.7

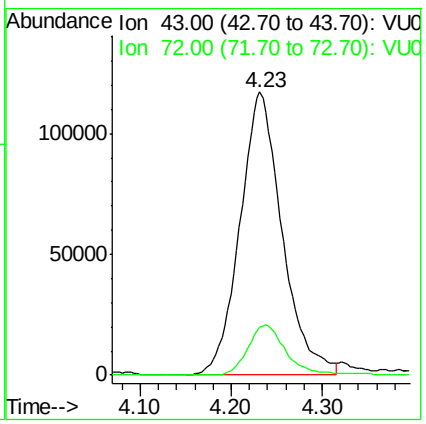




#22
2-Butanone
Concen: 55.711 ug/L
RT: 4.23 min Scan# 977
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 43 Resp: 373632

Ion	Ratio	Lower	Upper
43	100		
72	15.7	10.2	30.6



Instrument :
MSVOA_U
ClientSampleId :
BFDG6RE

Manual Integrations APPROVED
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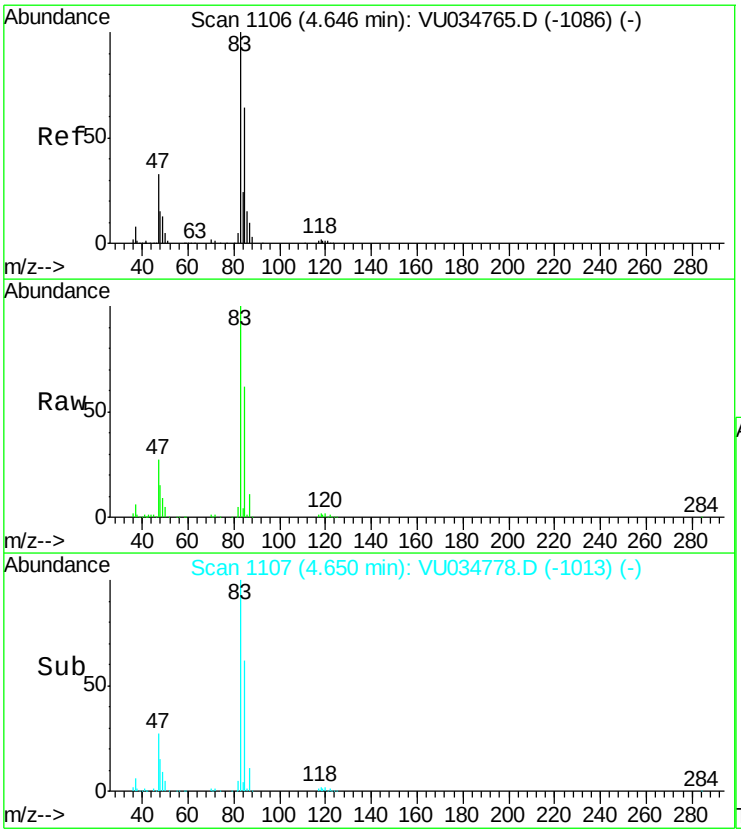
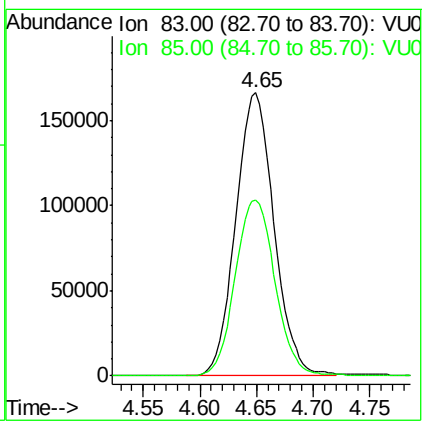
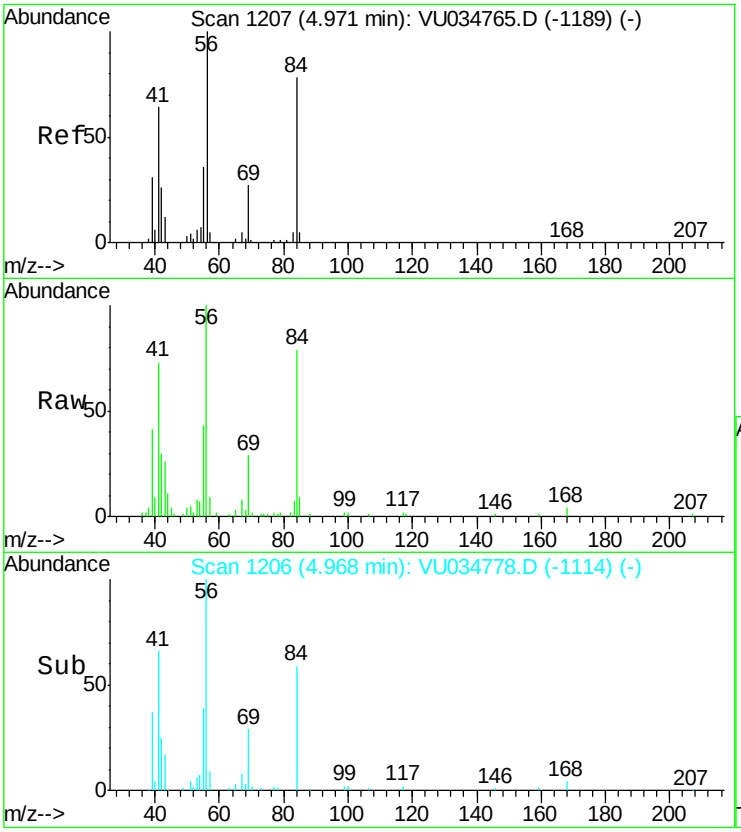


#25
Chloroform
Concen: 39.327 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 83 Resp: 392522

Ion	Ratio	Lower	Upper
83	100		
85	62.2	44.0	81.6

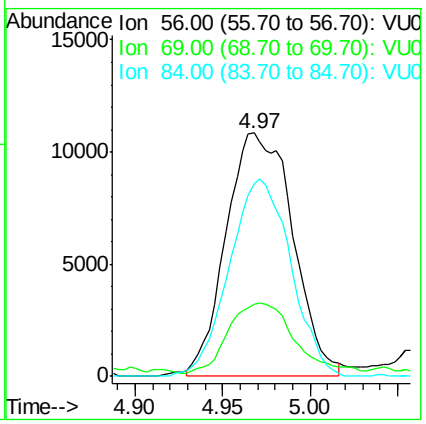




#29
Cyclohexane
Concen: 3.065 ug/L m
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 56 Resp: 28762

Ion	Ratio	Lower	Upper
56	100		
69	28.0	21.7	32.5
84	74.7	58.8	88.2



Instrument :
MSVOA_U
ClientSampleId :
BFDG6RE

Manual Integrations APPROVED
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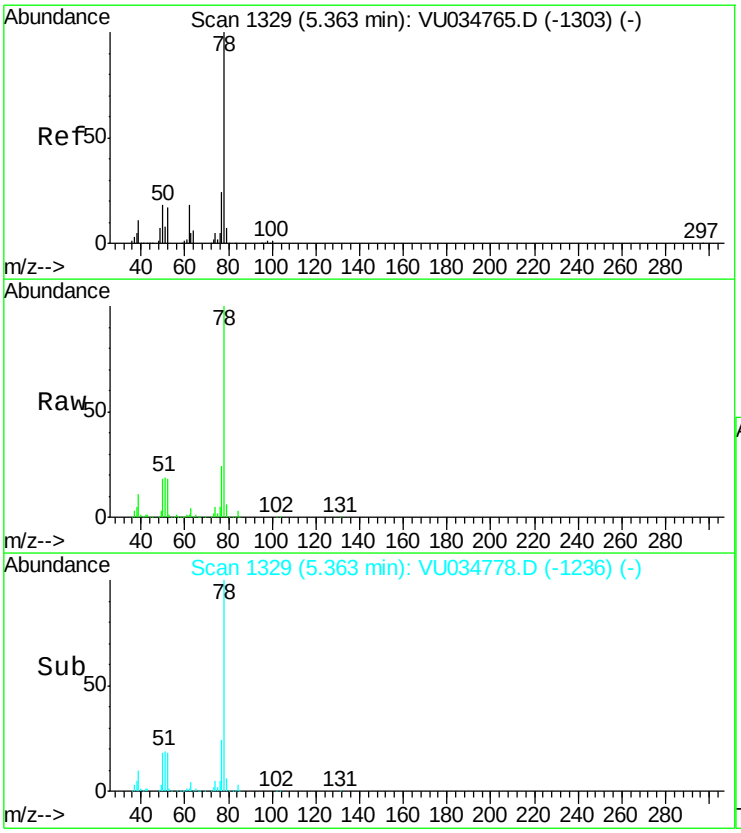
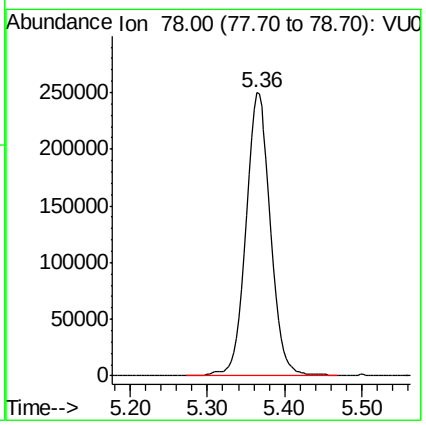
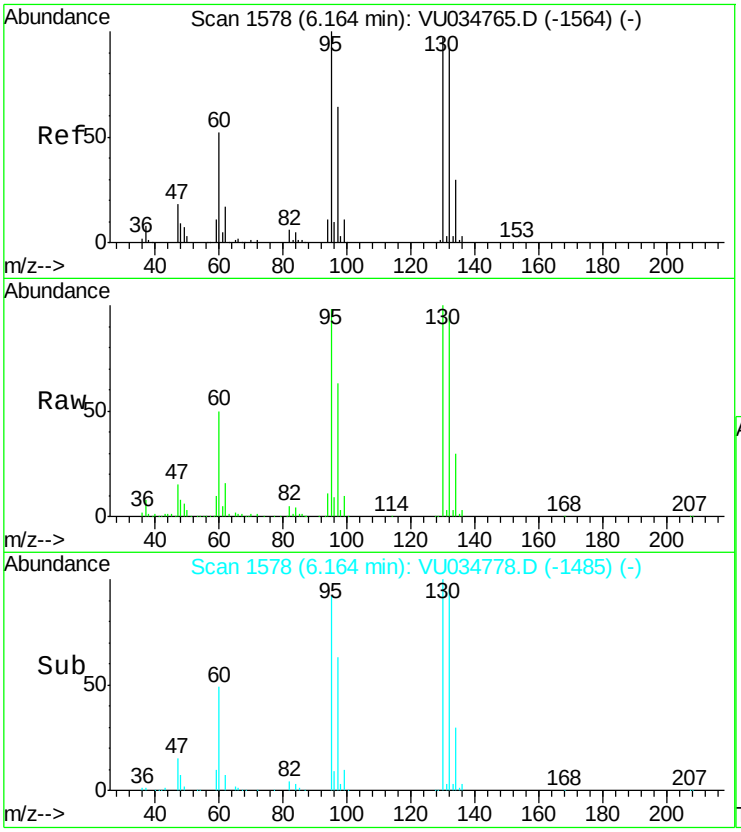


#33
Benzene
Concen: 28.163 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 78 Resp: 555340

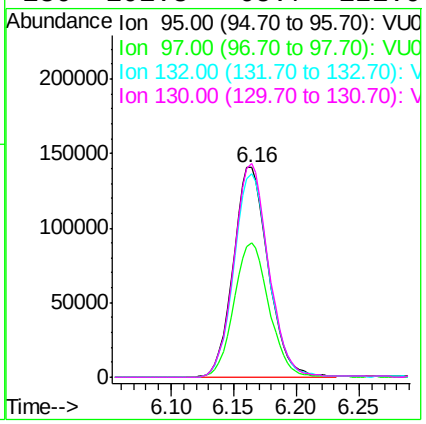




#34
Trichloroethene
Concen: 56.007 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 95 Resp: 272750

Ion	Ratio	Lower	Upper
95	100		
97	63.8	43.7	81.1
132	97.1	61.0	113.2
130	101.8	65.7	121.9



Instrument :
MSVOA_U
ClientSampleId :
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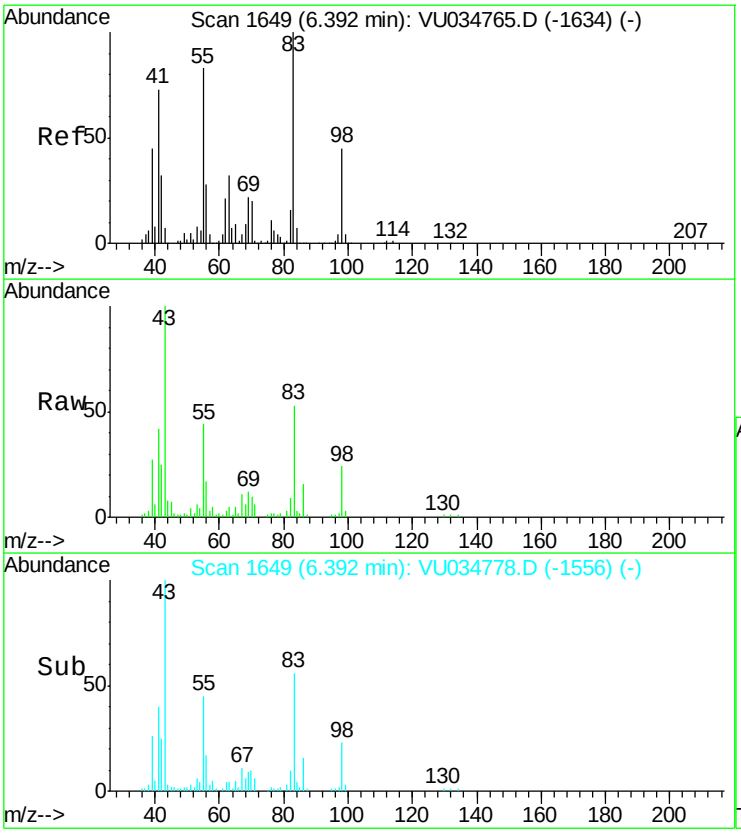
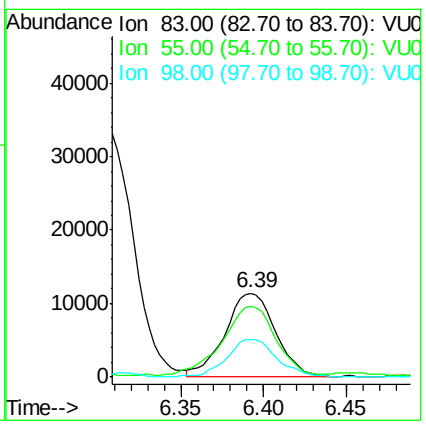
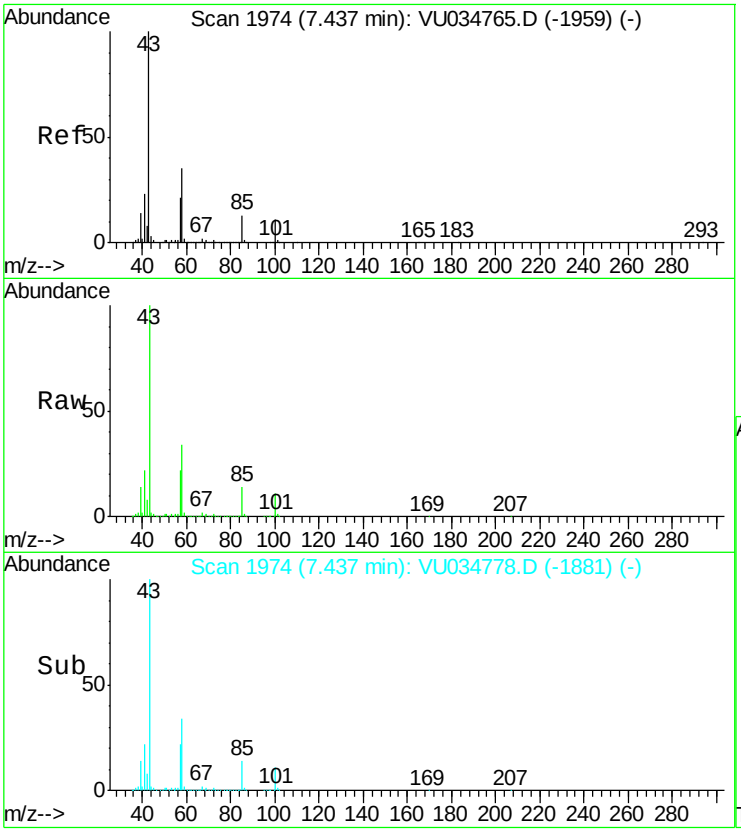


#35
Methylcyclohexane
Concen: 2.890 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 83 Resp: 23887

Ion	Ratio	Lower	Upper
83	100		
55	86.2	71.6	107.4
98	44.7	35.7	53.5

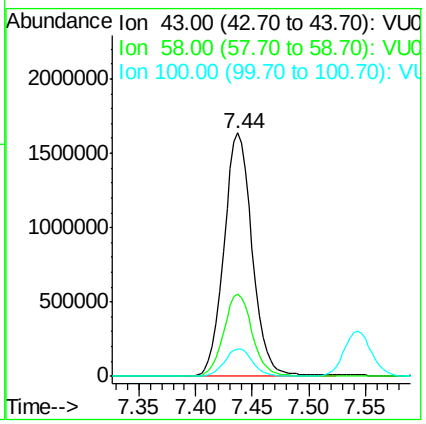




#40
4-Methyl-2-pentanone
Concen: 253.843 ug/L
RT: 7.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 43 Resp: 2845509

Ion	Ratio	Lower	Upper
43	100		
58	34.4	25.2	37.8
100	11.3	7.7	11.5



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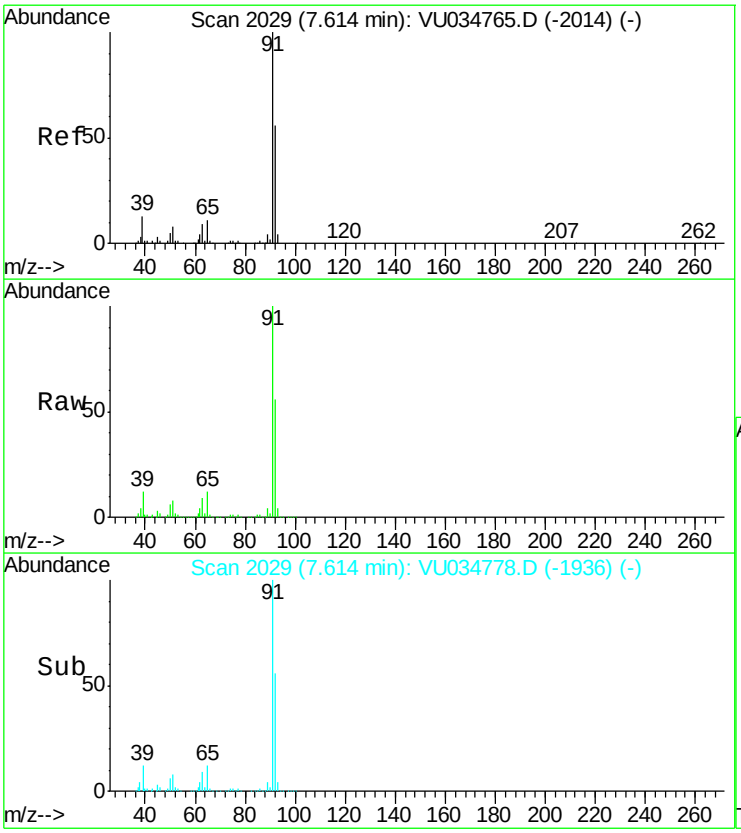
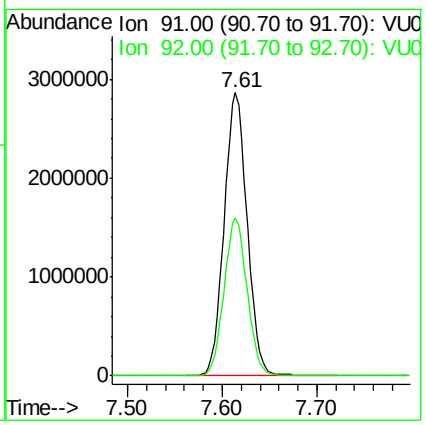
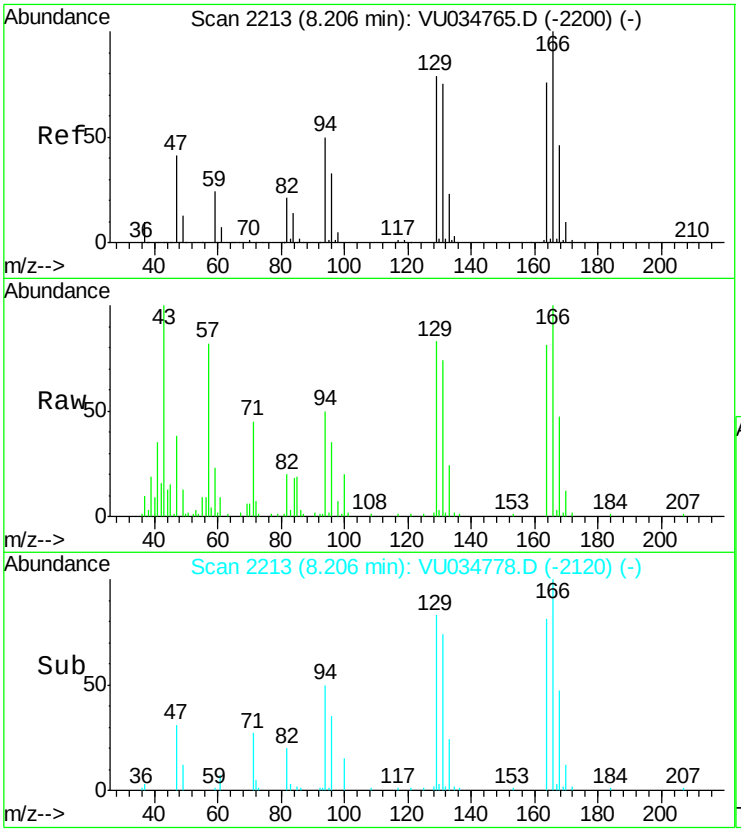


#42
Toluene
Concen: 227.992 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 91 Resp: 4858646

Ion	Ratio	Lower	Upper
91	100		
92	56.0	38.2	71.0

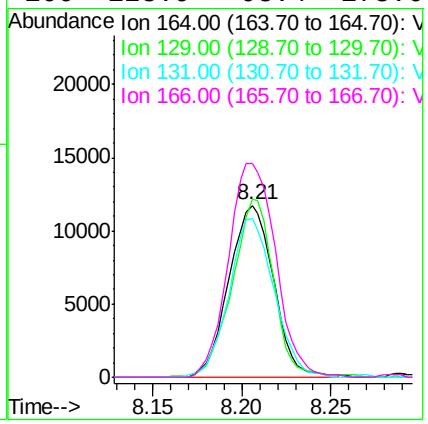




#46
Tetrachloroethene
Concen: 5.973 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion:164 Resp: 20460

Ion	Ratio	Lower	Upper
164	100		
129	103.3	71.9	133.5
131	91.9	66.3	123.1
166	123.9	93.4	173.6



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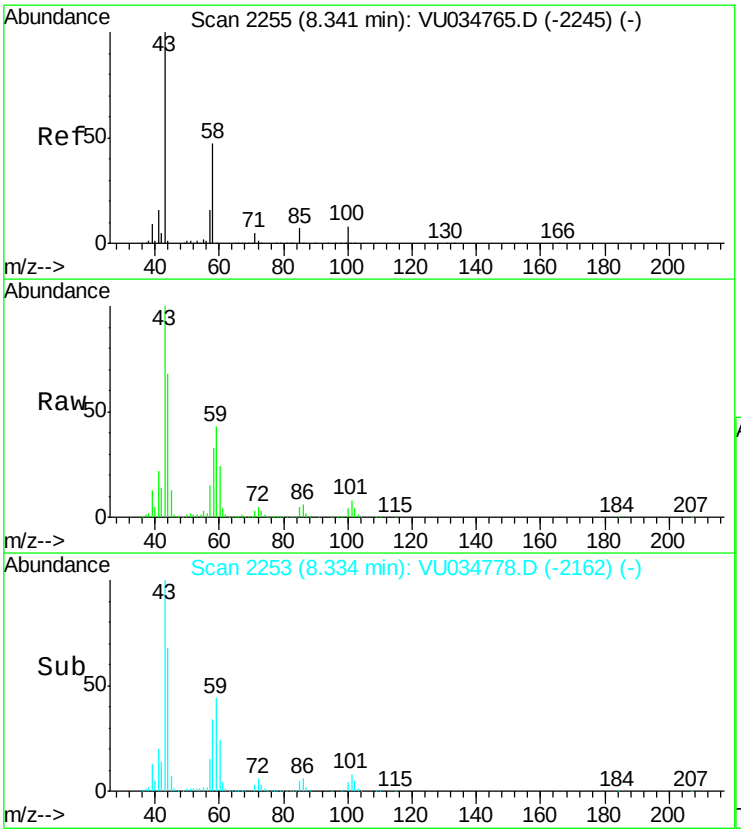
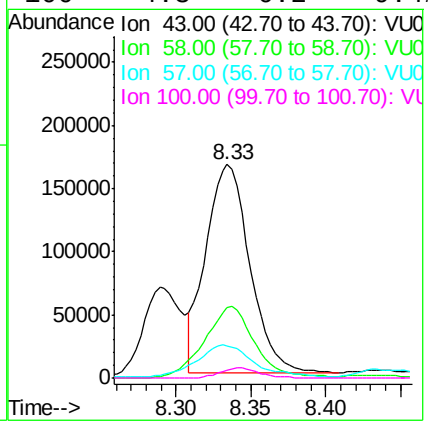
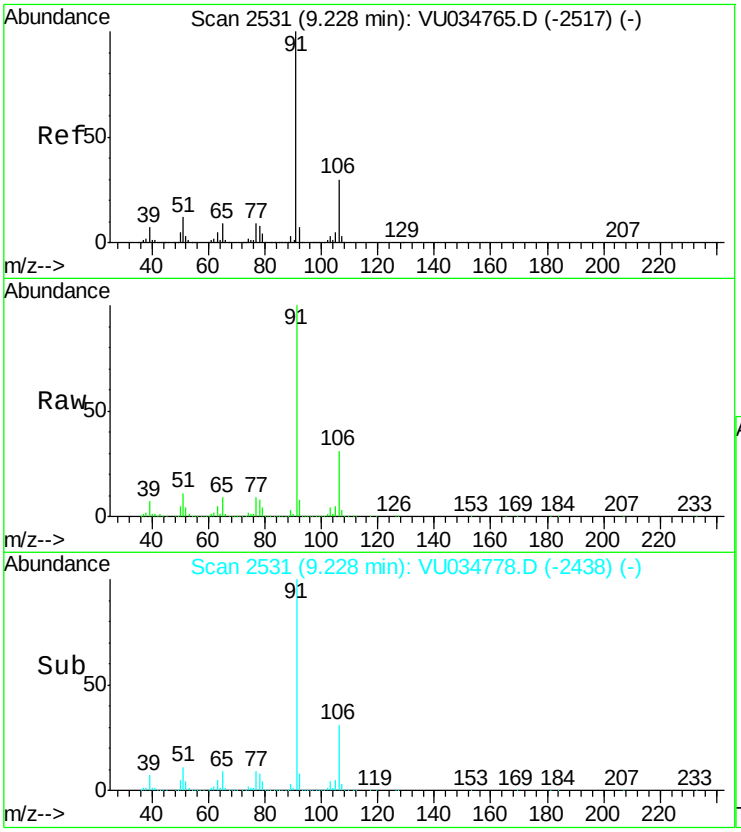


#48
2-Hexanone
Concen: 38.571 ug/L
RT: 8.33 min Scan# 2253
Delta R.T. -0.01 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion: 43 Resp: 337688

Ion	Ratio	Lower	Upper
43	100		
58	38.8	35.3	52.9
57	20.1	12.1	18.1#
100	4.3	6.2	9.4#

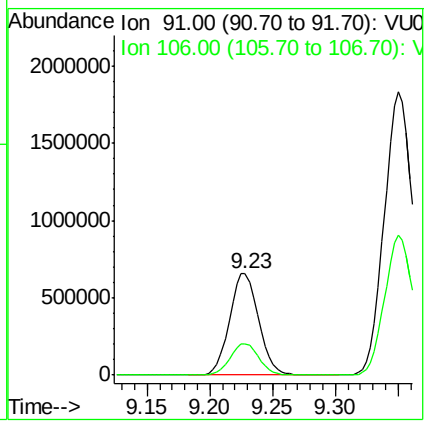




#52
Ethylbenzene
Concen: 44.323 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

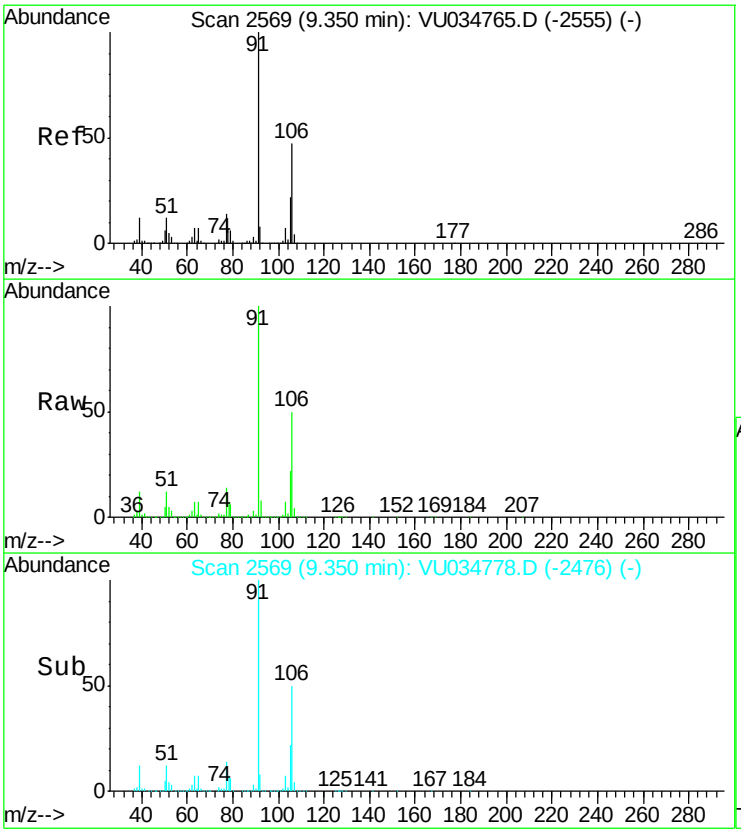
Tgt Ion: 91 Resp: 1063636

Ion	Ratio	Lower	Upper
91	100		
106	31.1	20.6	38.4



Instrument :
MSVOA_U
ClientSampleId :
BFDG6RE

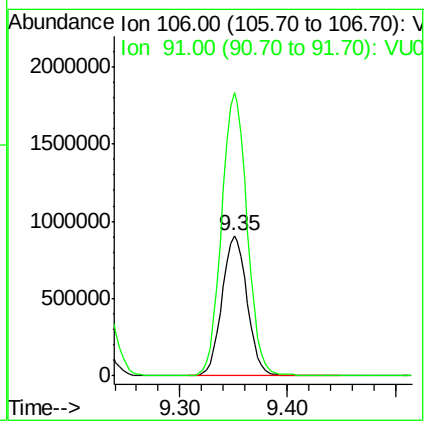
Manual Integrations APPROVED
MMDadoda
9/25/2019 10:06:23 AM

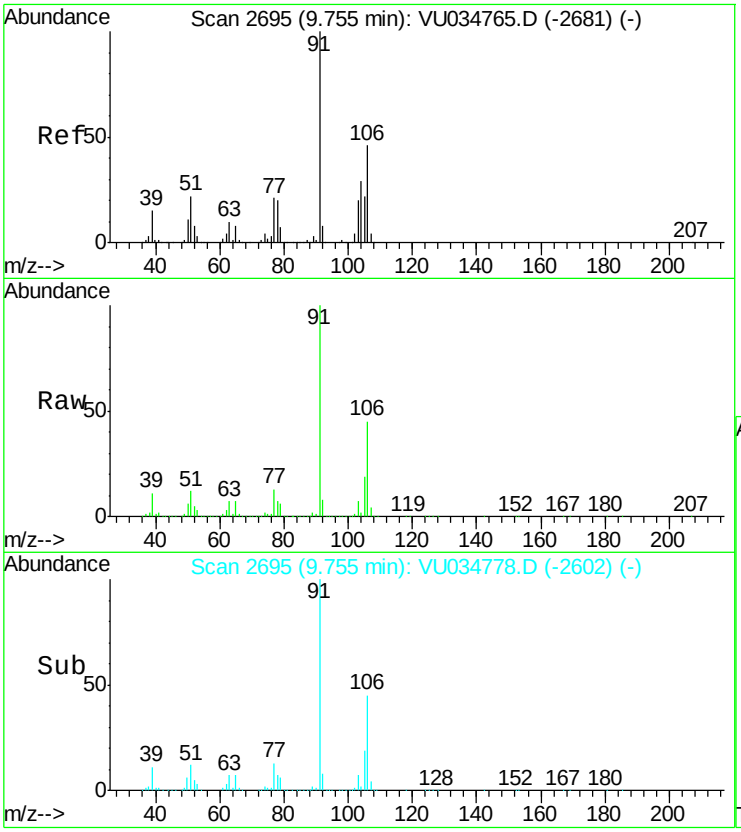


#53
m,p-Xylene
Concen: 172.832 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion:106 Resp: 1469036

Ion	Ratio	Lower	Upper
106	100		
91	201.7	146.9	272.7





#54
o-xylene
Concen: 106.638 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion:106 Resp: 896512

Ion	Ratio	Lower	Upper
106	100		
91	220.3	155.6	289.0

Instrument :
MSVOA_U
ClientSampleId :
BFDG6RE

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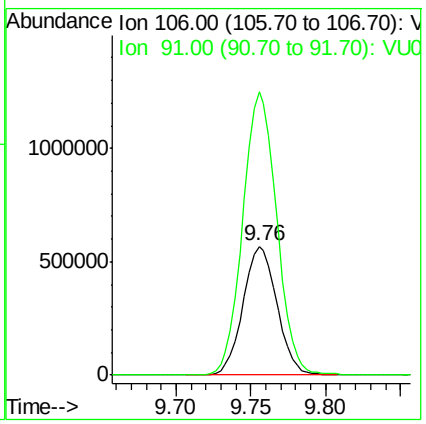
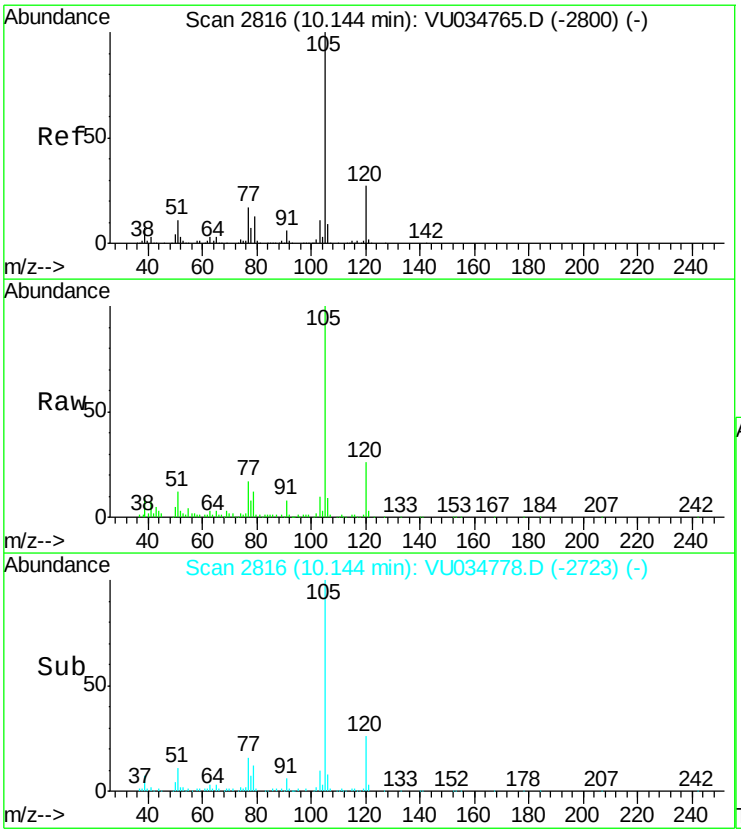
9/25/2019 10:06:23 AM

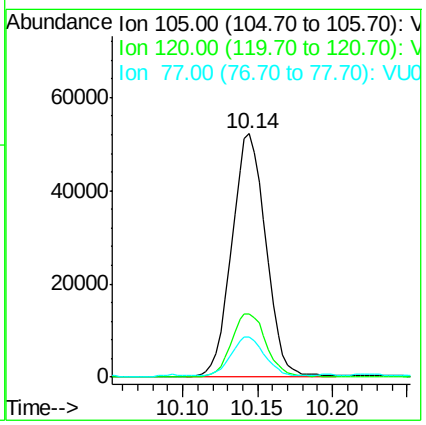


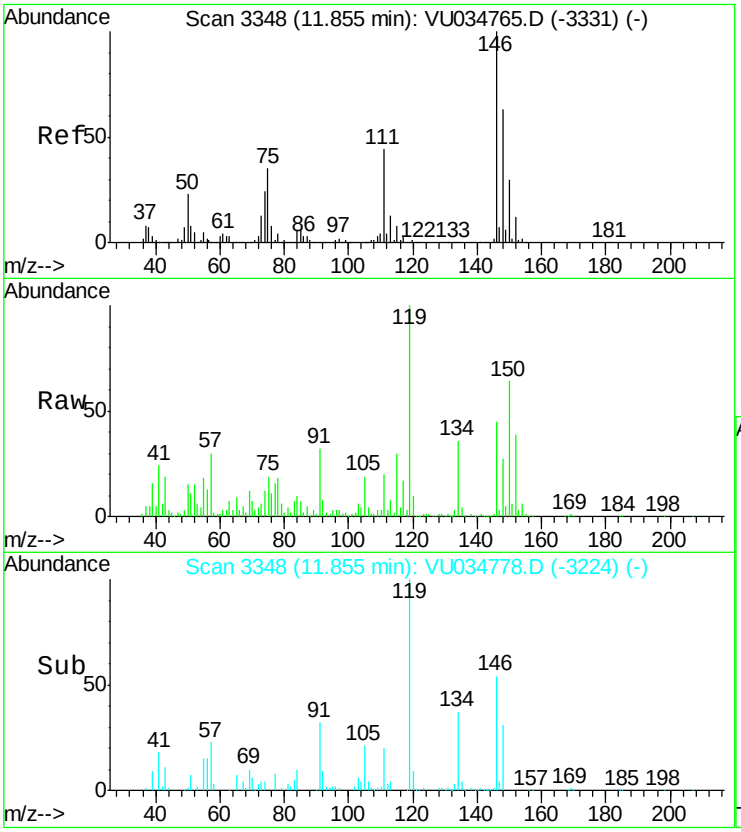


#56
Isopropylbenzene
Concen: 3.674 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion:105 Resp: 83277

Ion	Ratio	Lower	Upper
105	100		
120	26.6	20.4	30.6
77	16.6	14.2	21.4

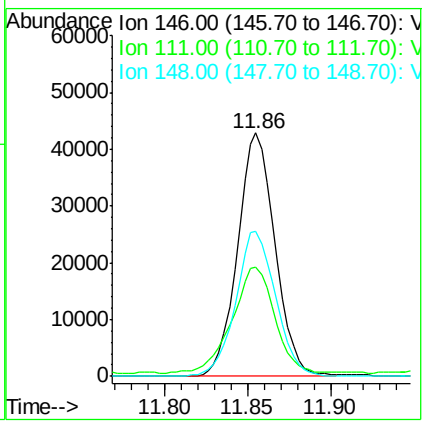




#65
1,2-Dichlorobenzene
Concen: 7.360 ug/L
RT: 11.86 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034778.D
Acq: 24 Sep 2019 17:59

Tgt Ion:146 Resp: 67155

Ion	Ratio	Lower	Upper
146	100		
111	45.1	35.2	52.8
148	59.6	53.0	79.6



Instrument :
MSVOA_U
ClientSampleId :
BFDG6RE

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