Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM1

Manual Integrations APPROVED
MMDadoda
9/26/2019 1:06:39 PM

Quant Time: Sep 26 08:41:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	407315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	390172	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	176417	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	191085	45.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 91.66%			
7) Chloroethane-d5	1.67	69	170815	53.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.00%			
11) 1,1-Dichloroethene-d2	2.26	63	260221	36.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.70%			
21) 2-Butanone-d5	4.15	46	391719	122.57	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 122.57%			
24) Chloroform-d	4.62	84	328648m	54.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.42%			
26) 1,2-Dichloroethane-d4	5.29	65	233103	52.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.62%			
32) Benzene-d6	5.32	84	699312	57.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.66%			
36) 1,2-Dichloropropane-d6	6.31	67	248651	58.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 117.66%			
41) Toluene-d8	7.54	98	662631	57.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 115.18%			
43) trans-1,3-Dichloropropene-	7.83	79	104575	51.66	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.32%			
47) 2-Hexanone-d5	8.29	63	264790	124.72	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 124.72%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333098	56.79	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 113.58%			
64) 1,2-Dichlorobenzene-d4	11.84	152	228946	61.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 123.78%#			
Target Compounds						Qvalue
13) Acetone	2.31	43	62359	16.774	ug/L	87
15) Methyl Acetate	2.61	43	5923	1.193	ug/L #	90
16) Methylene chloride	2.68	84	44306	13.125	ug/L	93
22) 2-Butanone	4.26	43	28135	6.362	ug/L	88
33) Benzene	5.37	78	19561	1.446	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	116674	15.167	ug/L #	87
42) Toluene	7.62	91	25942	1.774	ug/L	91
52) Ethylbenzene	9.23	91	41754	2.535	ug/L	97
53) m,p-Xylene	9.35	106	41484	7.112	ug/L	97
54) o-xylene	9.76	106	59791	10.364	ug/L	94
56) Isopropylbenzene	10.14	105	14177	0.911	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	18384	2.978	ug/L #	93

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

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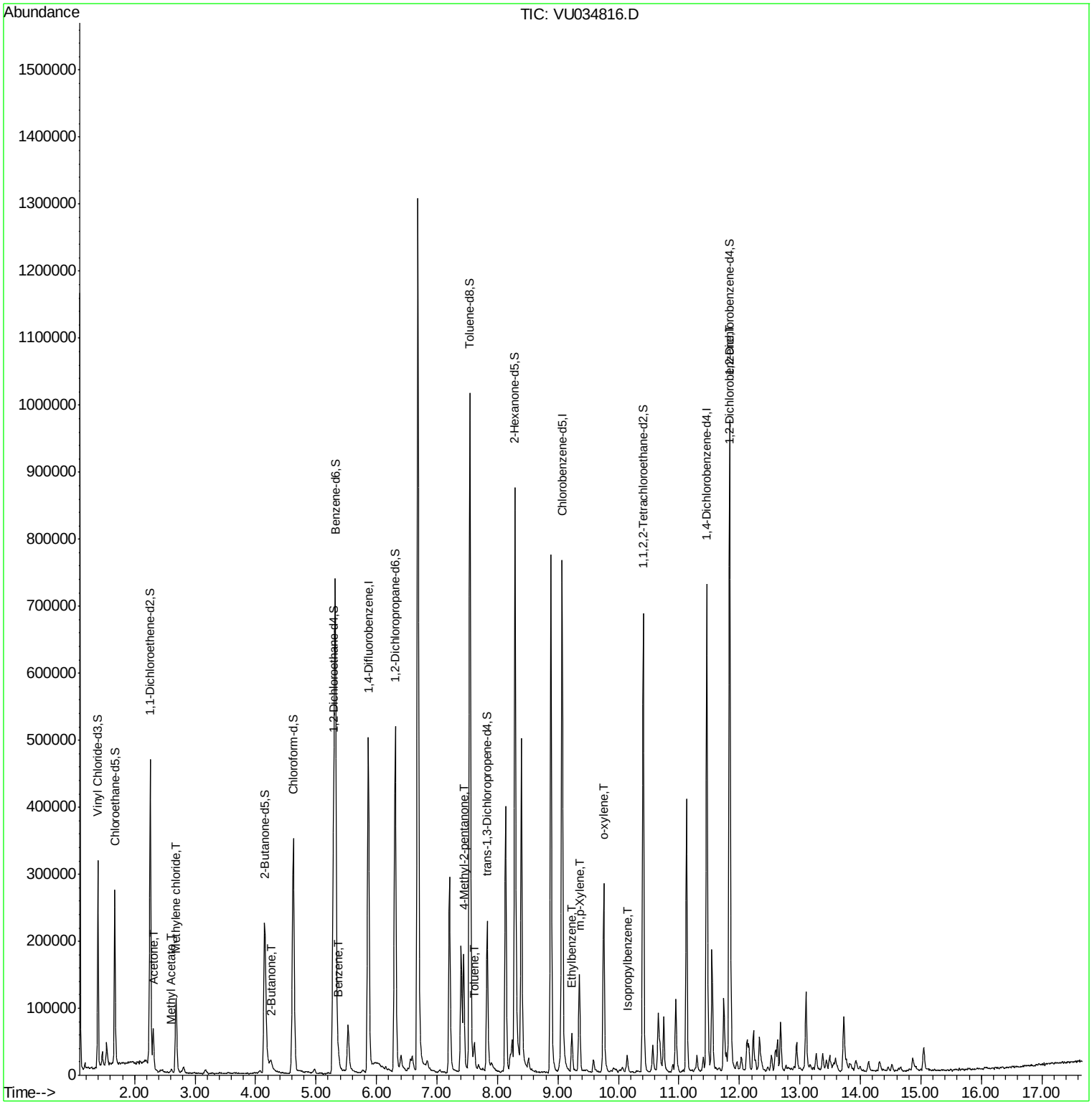
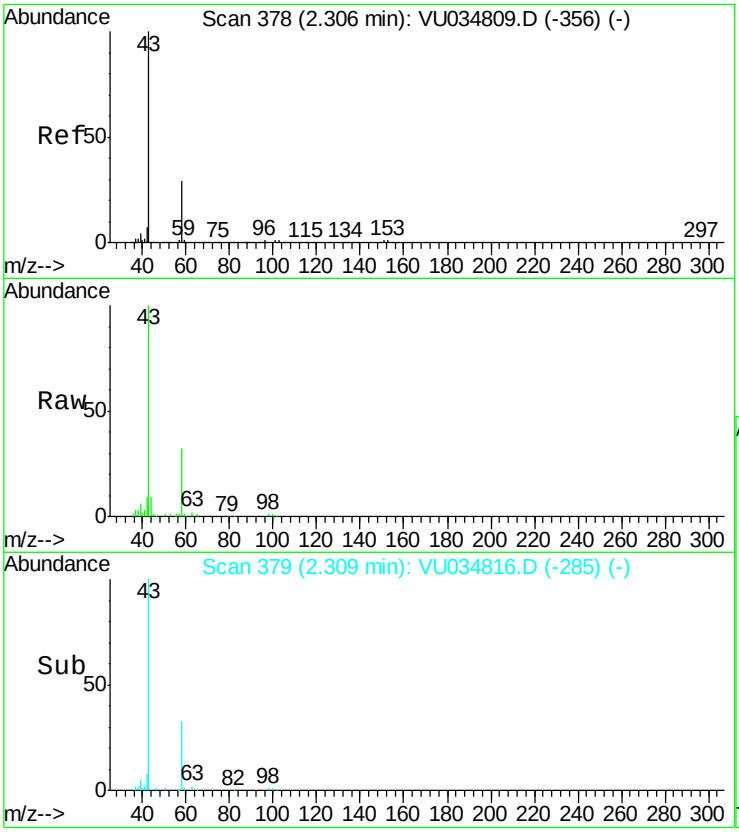
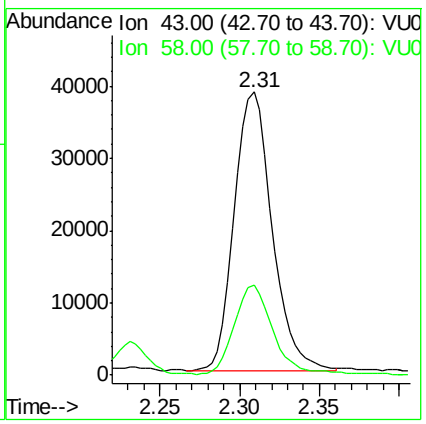




#13
Acetone
Concen: 16.774 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 43 Resp: 62359

Ion	Ratio	Lower	Upper
43	100		
58	33.4	0.0	53.4



Instrument :
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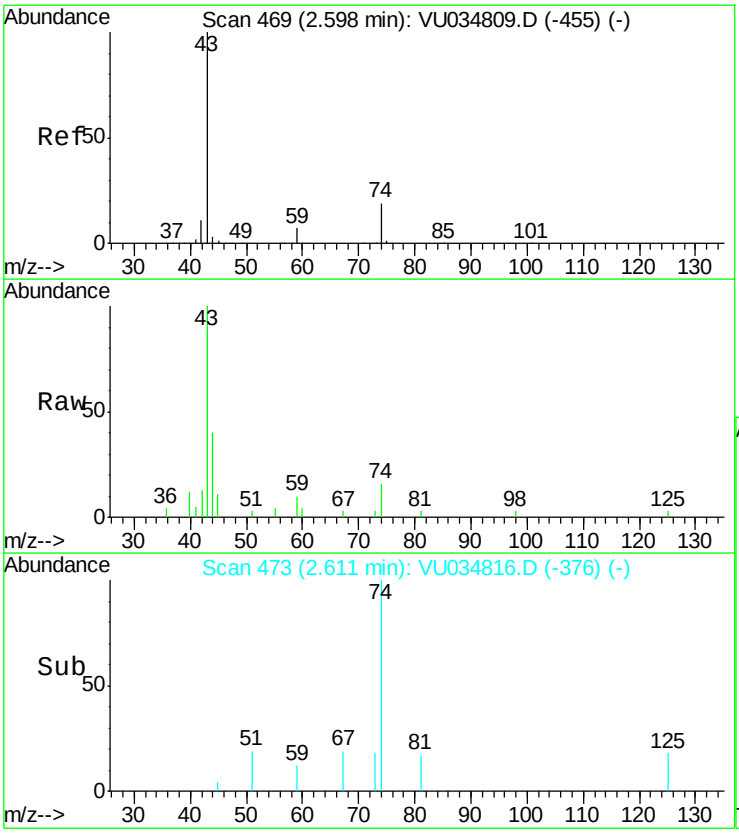
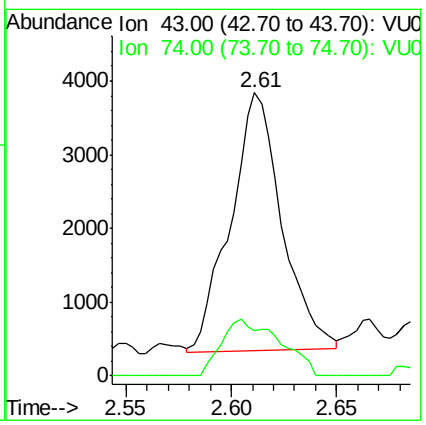
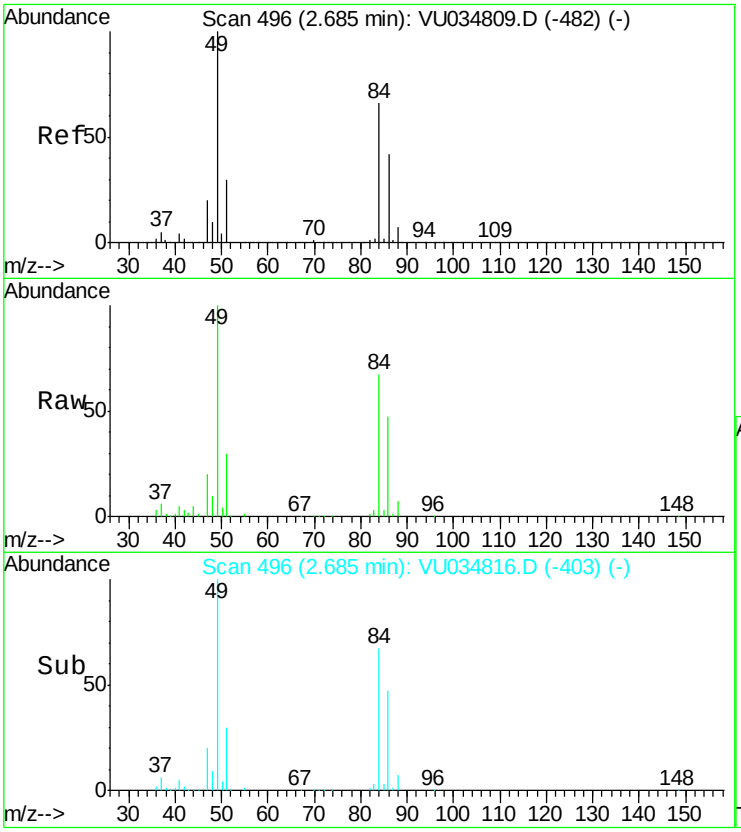


#15
Methyl Acetate
Concen: 1.193 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 43 Resp: 5923

Ion	Ratio	Lower	Upper
43	100		
74	13.7	14.4	21.6#

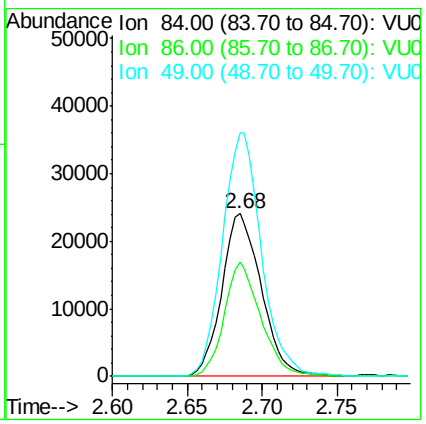




#16
Methylene chloride
Concen: 13.125 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 84 Resp: 44306

Ion	Ratio	Lower	Upper
84	100		
86	70.1	43.0	80.0
49	150.0	109.7	203.7



Instrument :
MSVOA_U
ClientSampleId :
BFDM1

Manual Integrations APPROVED
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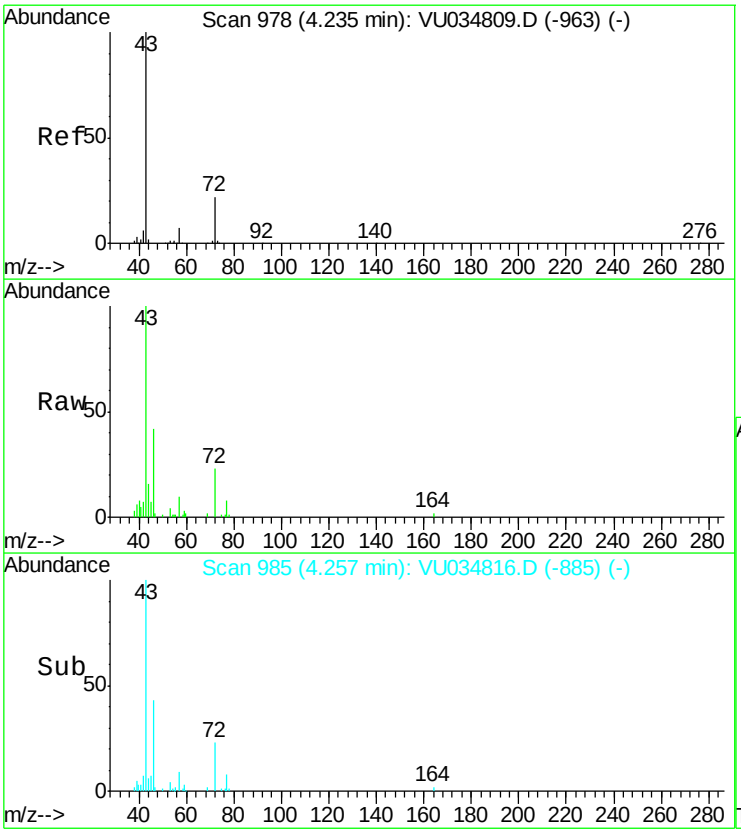
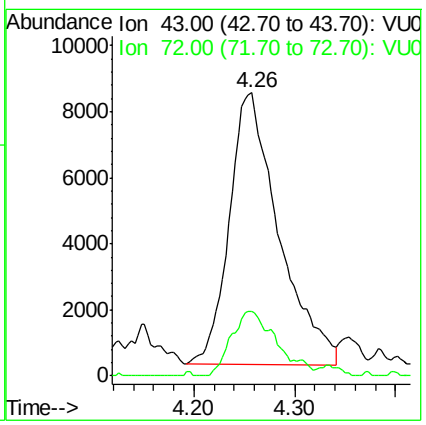
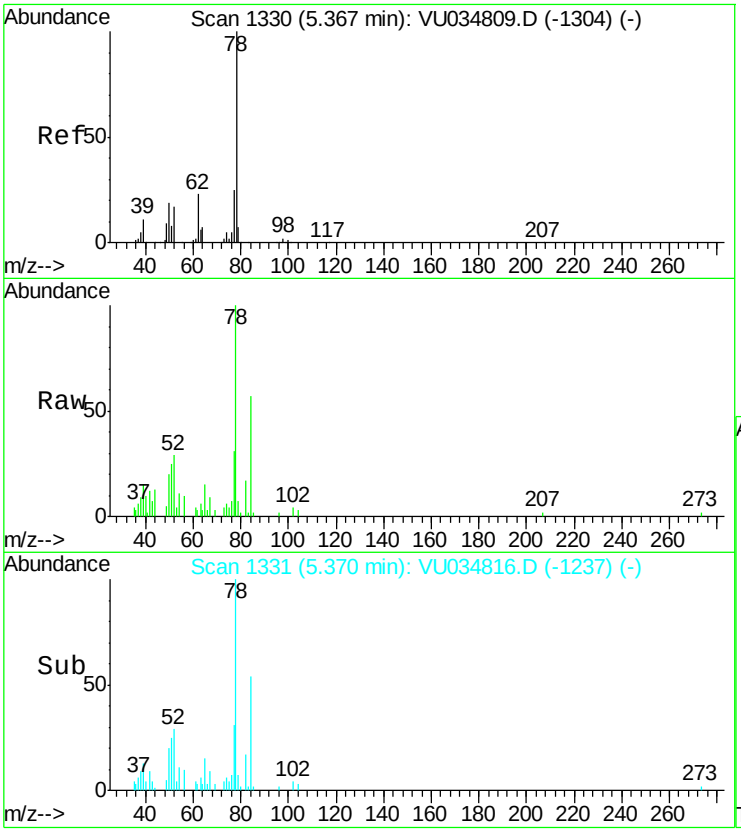


#22
2-Butanone
Concen: 6.362 ug/L
RT: 4.26 min Scan# 985
Delta R.T. 0.02 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 43 Resp: 28135

Ion	Ratio	Lower	Upper
43	100		
72	14.7	10.2	30.6





#33
Benzene
Concen: 1.446 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 78 Resp: 19561

Instrument :
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ClientSampleId :
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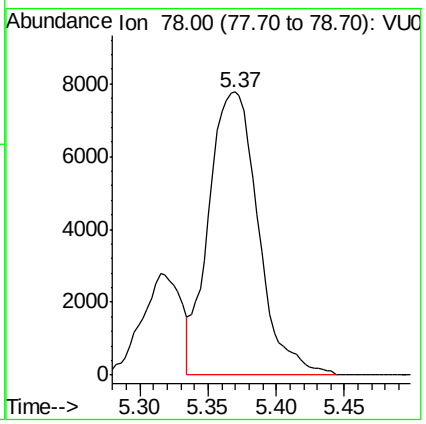
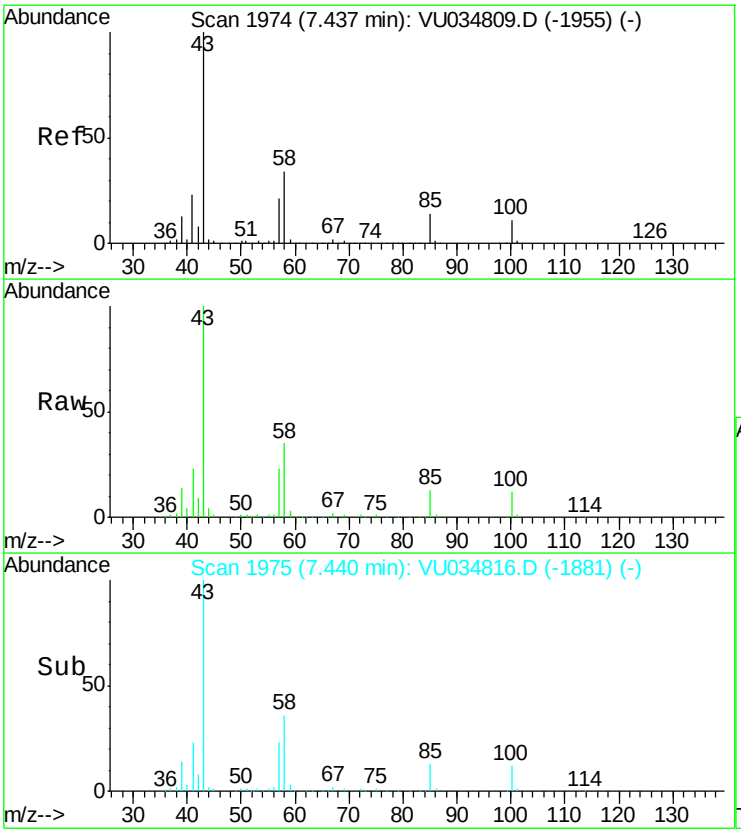
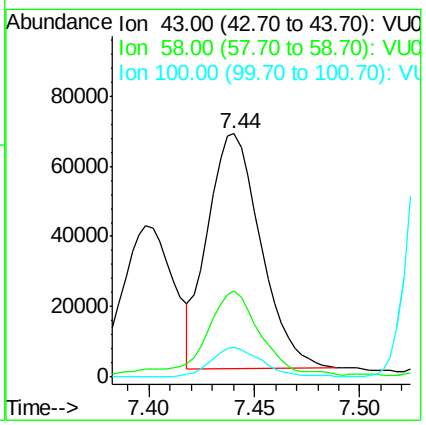


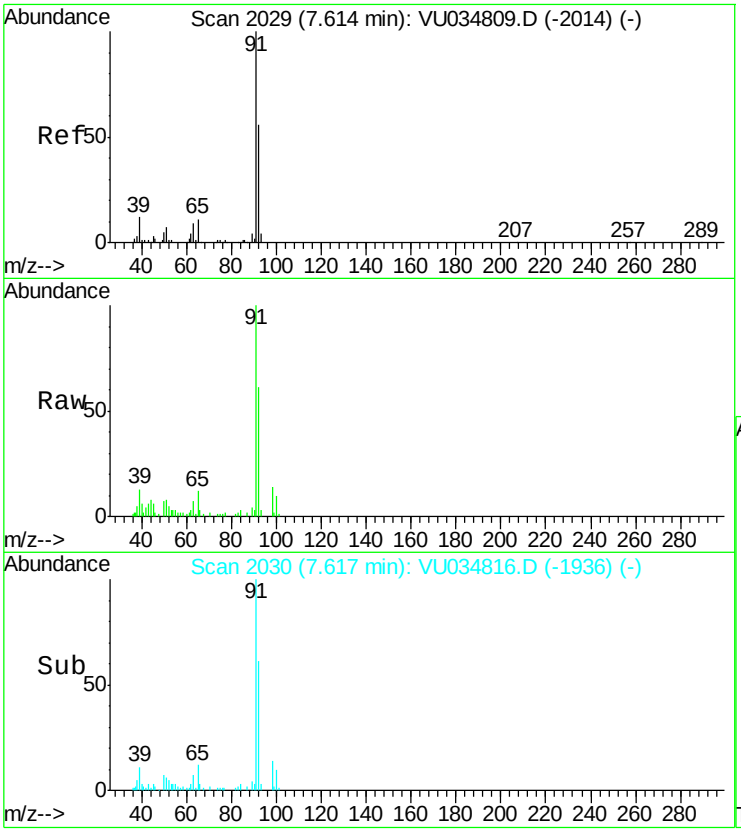


#40
4-Methyl-2-pentanone
Concen: 15.167 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 43 Resp: 116674

Ion	Ratio	Lower	Upper
43	100		
58	40.0	25.2	37.8#
100	12.0	7.7	11.5#

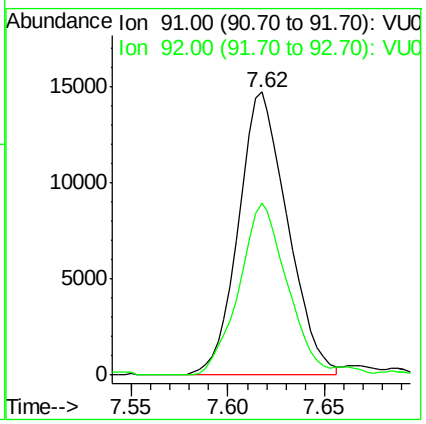




#42
Toluene
Concen: 1.774 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 91 Resp: 25942

Ion	Ratio	Lower	Upper
91	100		
92	60.9	38.2	71.0



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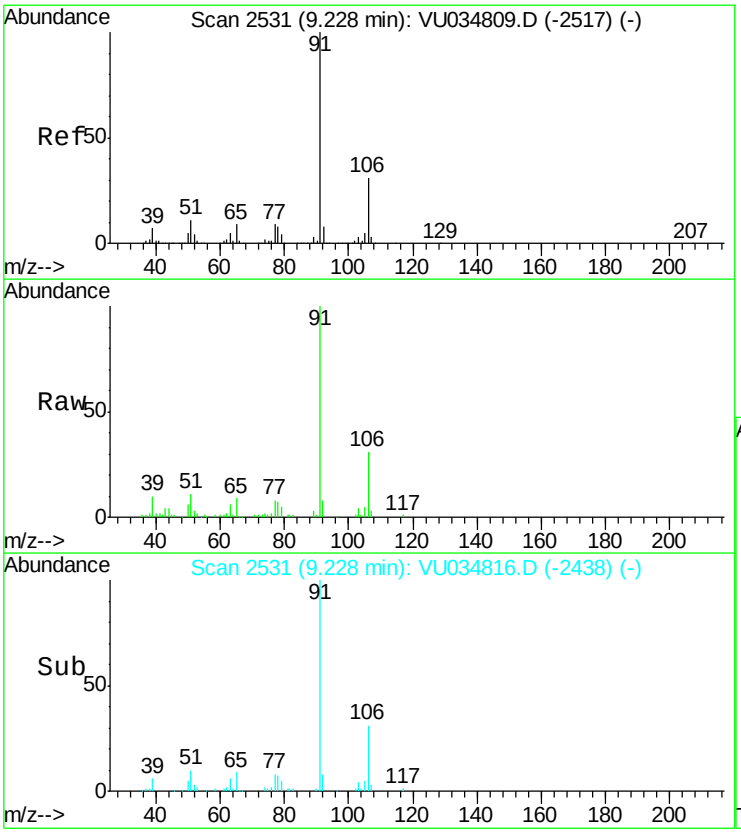
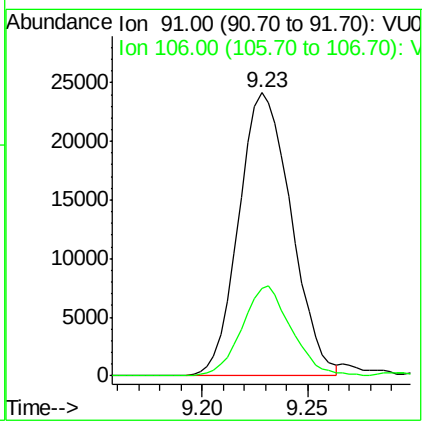
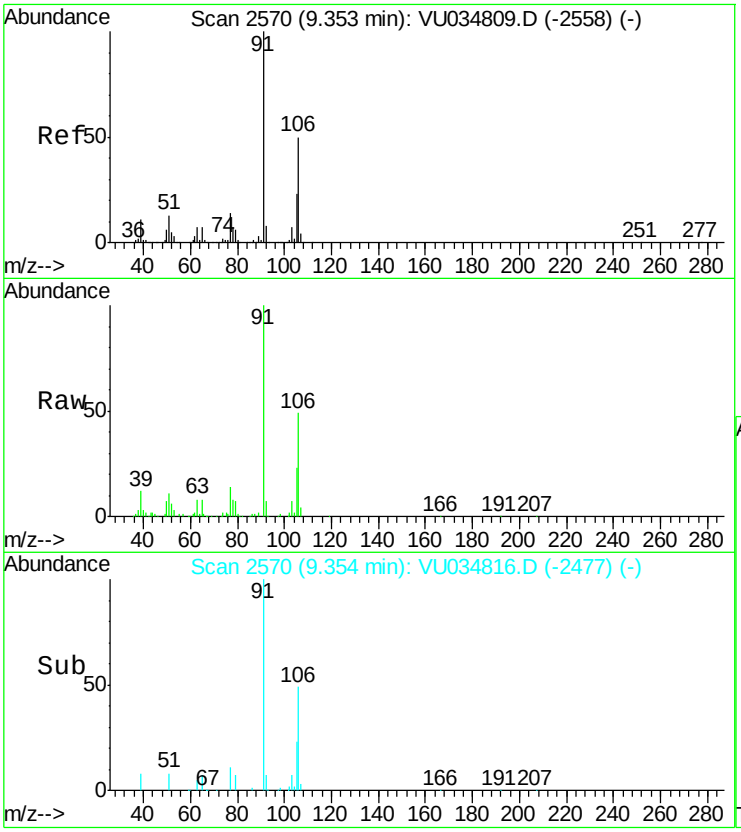


#52
Ethylbenzene
Concen: 2.535 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 91 Resp: 41754

Ion	Ratio	Lower	Upper
91	100		
106	30.9	20.6	38.4

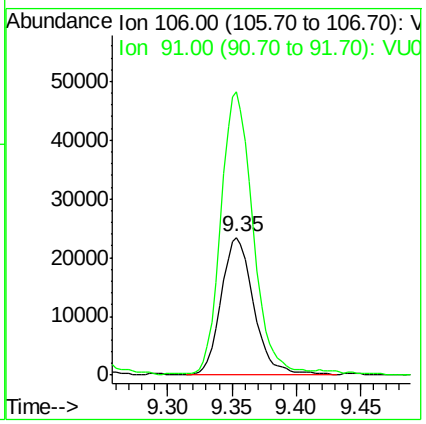




#53
m,p-Xylene
Concen: 7.112 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion:106 Resp: 41484

Ion	Ratio	Lower	Upper
106	100		
91	205.1	146.9	272.7



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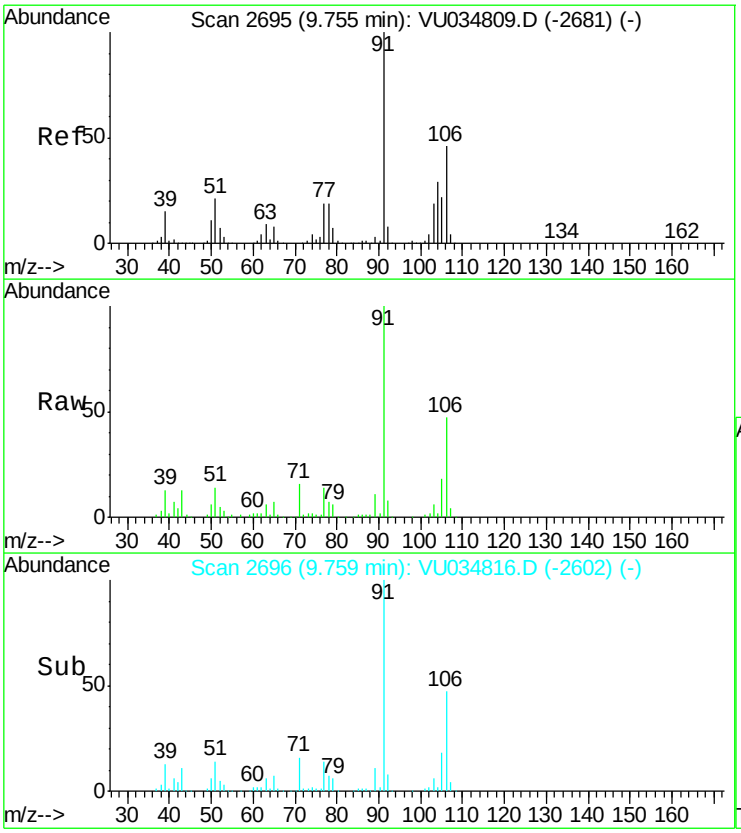
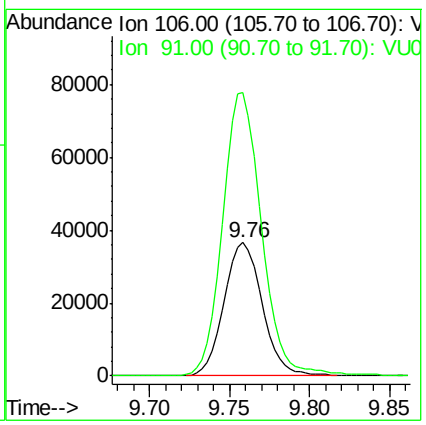
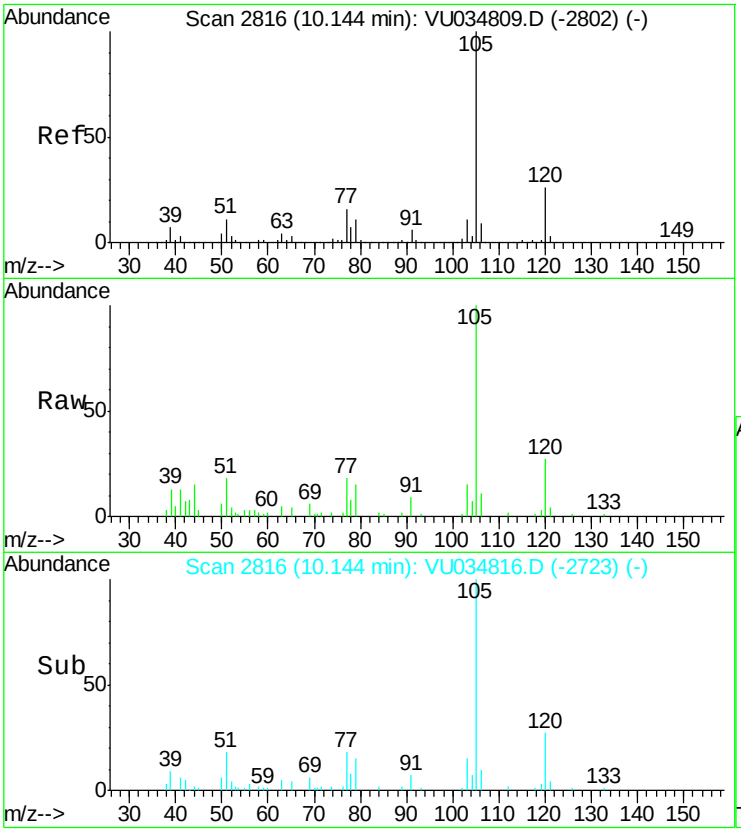


#54
o-xylene
Concen: 10.364 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion:106 Resp: 59791

Ion	Ratio	Lower	Upper
106	100		
91	212.5	155.6	289.0





#56
Isopropylbenzene
Concen: 0.911 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion:105 Resp: 14177

Ion	Ratio	Lower	Upper
105	100		
120	27.4	20.4	30.6
77	16.9	14.2	21.4

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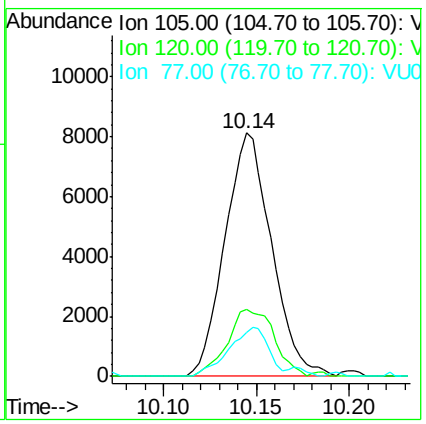

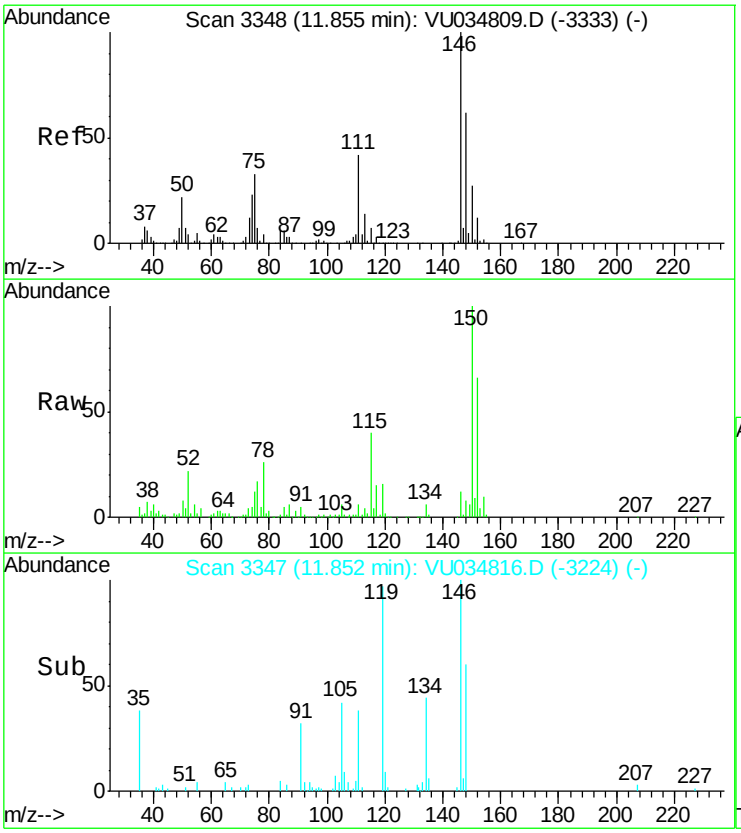

#65
1,2-Dichlorobenzene
Concen: 2.978 ug/L
RT: 11.85 min Scan# 3347
Delta R.T. -0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion:146 Resp: 18384

Ion	Ratio	Lower	Upper
146	100		
111	53.4	35.2	52.8#
148	64.3	53.0	79.6