Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

Manual Integrations APPROVED
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Quant Time: Sep 26 17:31:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 15:50:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	446863	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	425886	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	196938	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	190181	41.57	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.14%			
7) Chloroethane-d5	1.67	69	172738m	48.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.72%			
11) 1,1-Dichloroethene-d2	2.26	63	261827	33.80	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.60%			
21) 2-Butanone-d5	4.15	46	473391	135.02	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 135.02%#			
24) Chloroform-d	4.62	84	351495	52.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.70%			
26) 1,2-Dichloroethane-d4	5.29	65	246191	50.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.72%			
32) Benzene-d6	5.32	84	738850	55.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 111.94%			
36) 1,2-Dichloropropane-d6	6.31	67	264986	57.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 114.86%			
41) Toluene-d8	7.54	98	704293	56.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.16%			
43) trans-1,3-Dichloropropene-	7.83	79	113697	51.45	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.90%			
47) 2-Hexanone-d5	8.29	63	320407	138.27	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 138.27%#			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	374116	58.44	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 116.88%			
64) 1,2-Dichlorobenzene-d4	11.84	152	256892	62.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 124.42%#			
Target Compounds						Qvalue
13) Acetone	2.31	43	149848	36.741	ug/L	94
16) Methylene chloride	2.68	84	45120	12.183	ug/L	97
22) 2-Butanone	4.24	43	51454m	10.605	ug/L	
33) Benzene	5.37	78	81507	5.518	ug/L	100
34) Trichloroethene	6.17	95	5210	1.428	ug/L	97
42) Toluene	7.62	91	119905	7.511	ug/L	98
51) Chlorobenzene	9.10	112	23818	2.454	ug/L	96
52) Ethylbenzene	9.23	91	112653	6.267	ug/L	97
53) m,p-Xylene	9.35	106	85334	13.403	ug/L	100
54) o-xylene	9.76	106	63504	10.084	ug/L	90
56) Isopropylbenzene	10.14	105	44099	2.597	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	59588	8.647	ug/L	99

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

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Instrument :
MSVOA_U
ClientSampleId :
BFDL5

Manual Integrations APPROVED
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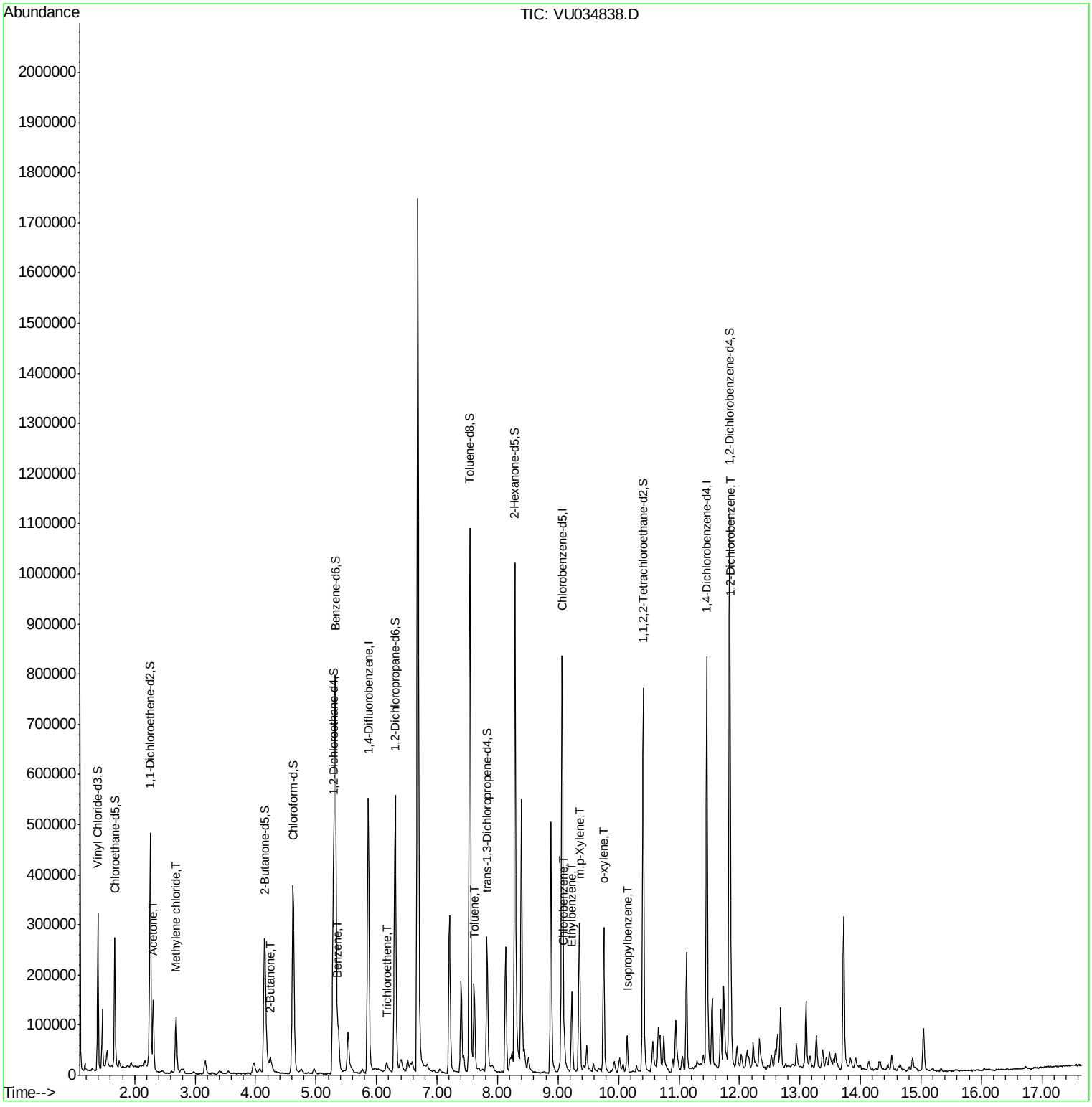

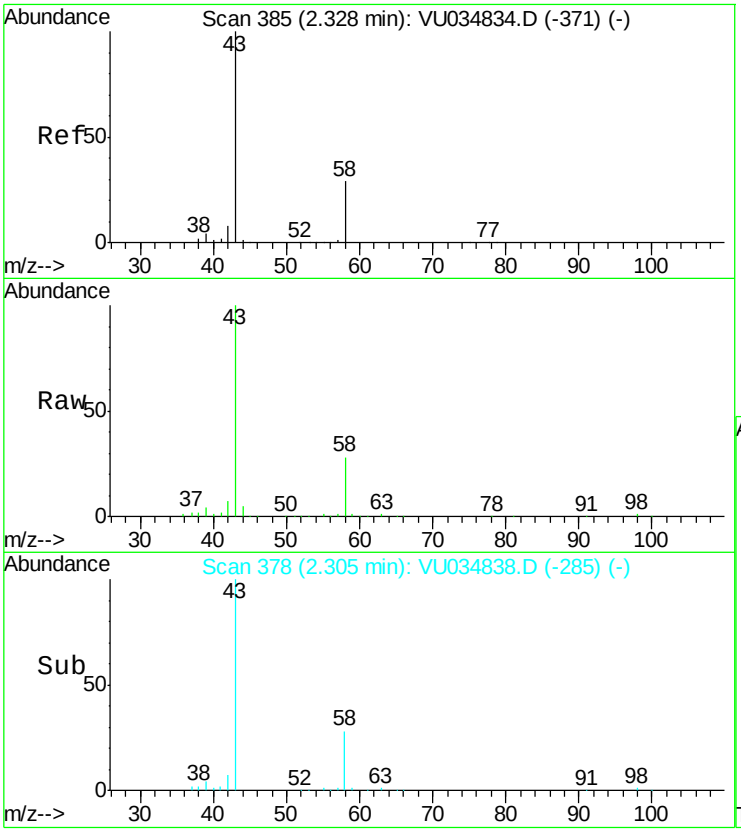

#13
Acetone
Concen: 36.741 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 43 Resp: 149848

Ion	Ratio	Lower	Upper
43	100		
58	29.6	0.0	53.4

Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations APPROVED
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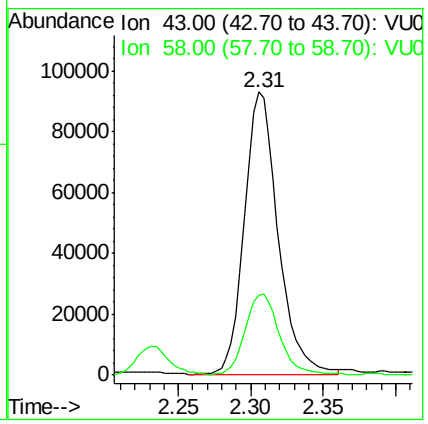
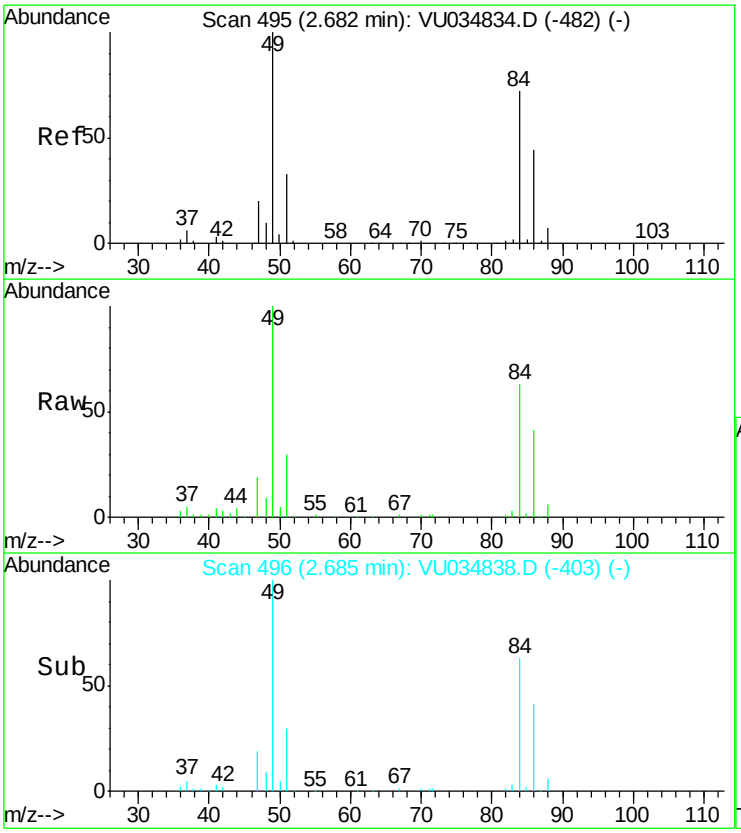
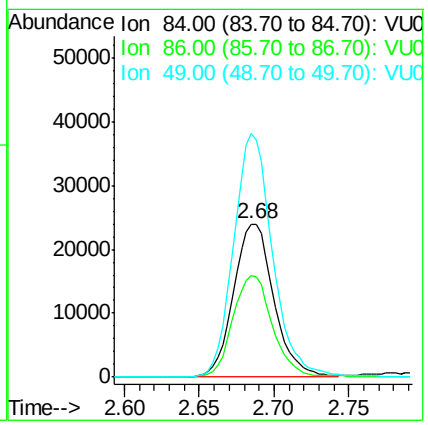


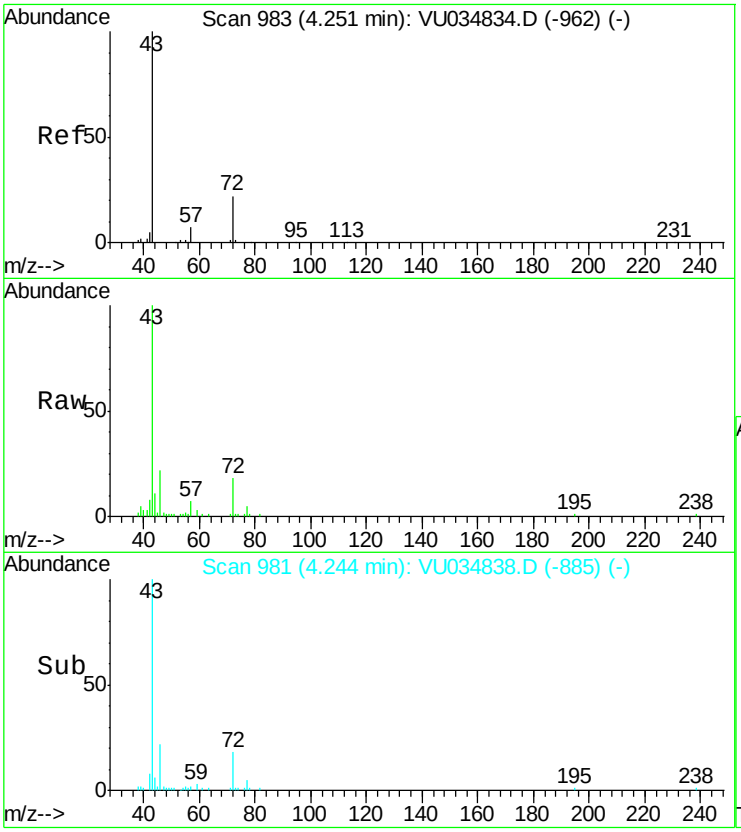


#16
Methylene chloride
Concen: 12.183 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 84 Resp: 45120

Ion	Ratio	Lower	Upper
84	100		
86	66.0	43.0	80.0
49	159.3	109.7	203.7

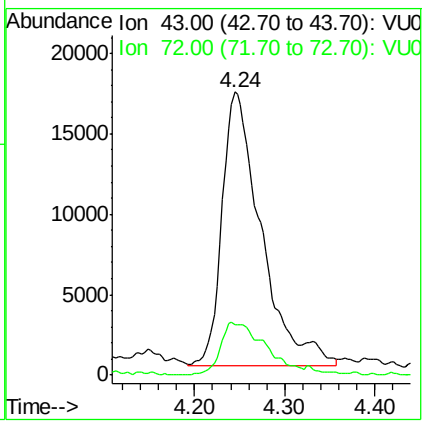




#22
2-Butanone
Concen: 10.605 ug/L m
RT: 4.24 min Scan# 981
Delta R.T. 0.01 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 43 Resp: 51454

Ion	Ratio	Lower	Upper
43	100		
72	0.2	10.2	30.6#



Instrument :
MSVOA_U
ClientSampleId :
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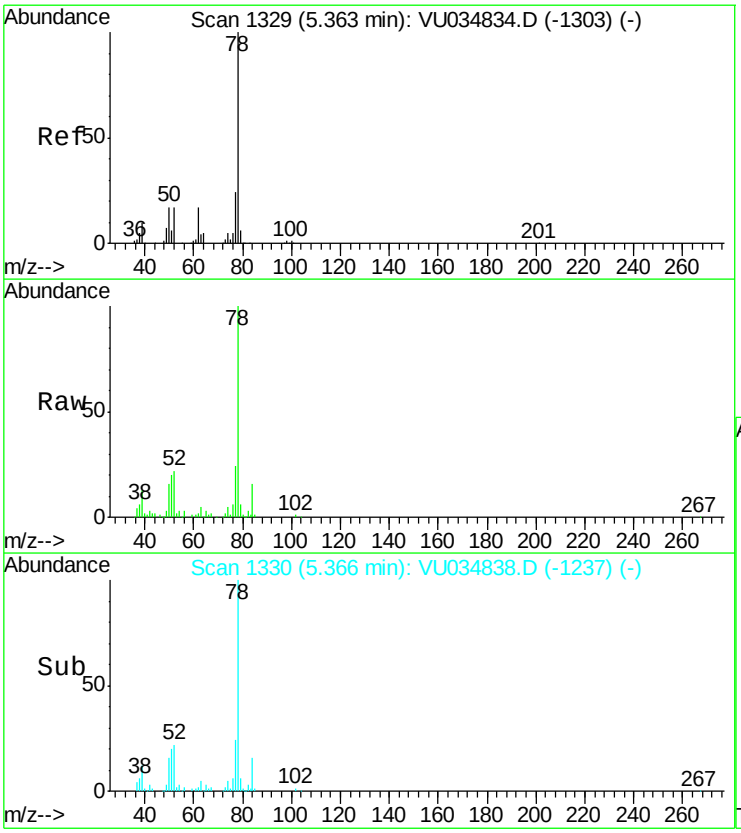
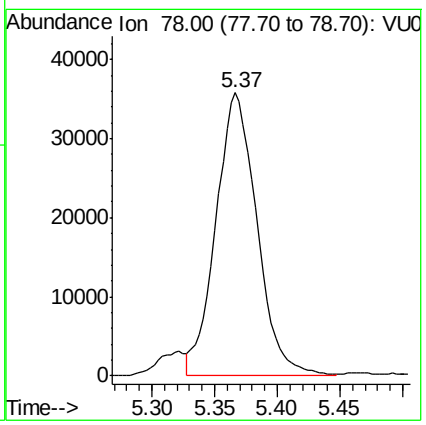
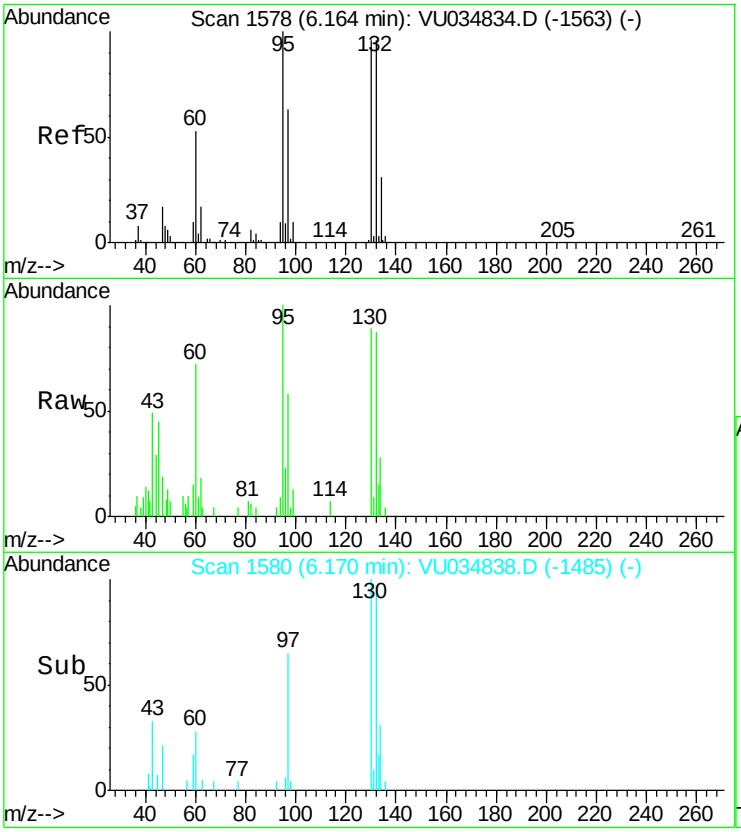


#33
Benzene
Concen: 5.518 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 78 Resp: 81507

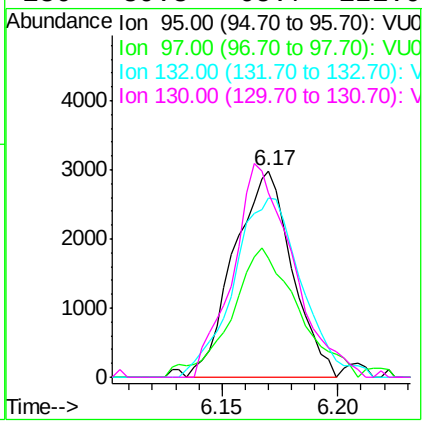




#34
Trichloroethene
Concen: 1.428 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 95 Resp: 5210

Ion	Ratio	Lower	Upper
95	100		
97	58.0	43.7	81.1
132	86.9	61.0	113.2
130	89.3	65.7	121.9



Instrument :
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ClientSampleId :
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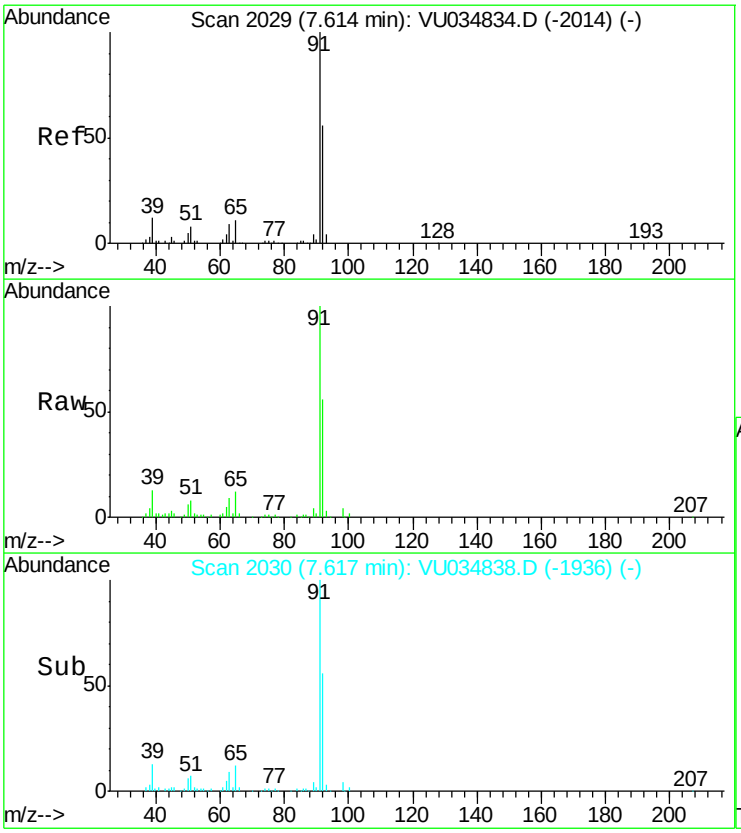
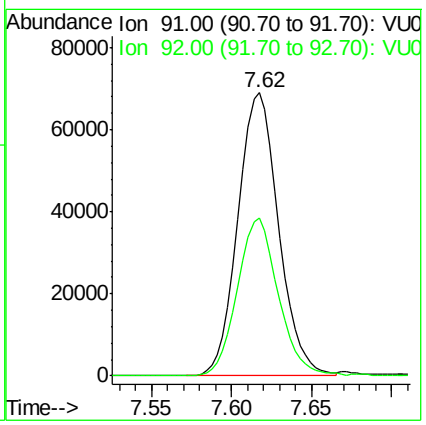
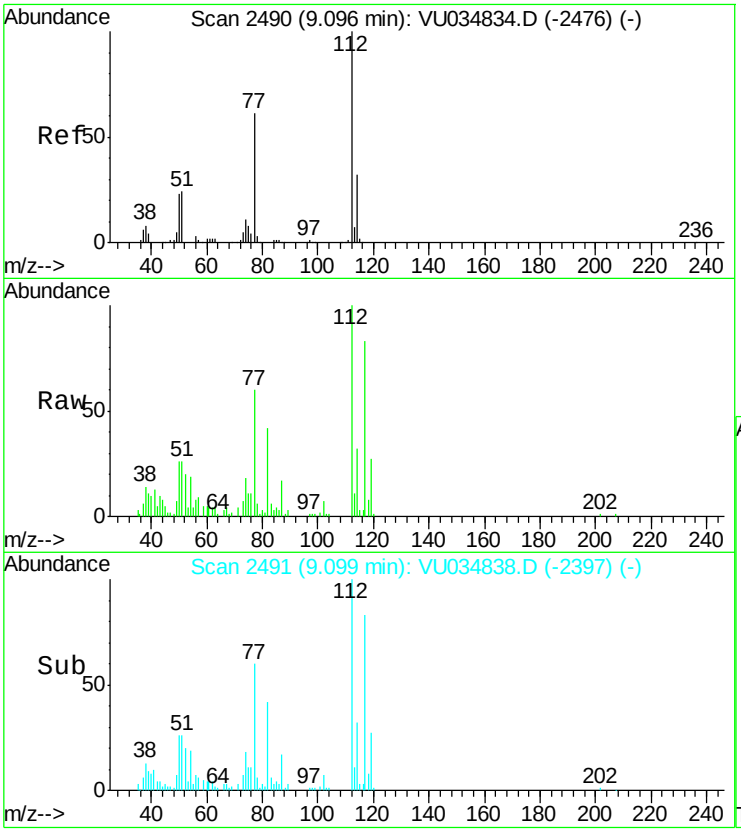


#42
Toluene
Concen: 7.511 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 91 Resp: 119905

Ion	Ratio	Lower	Upper
91	100		
92	55.7	38.2	71.0

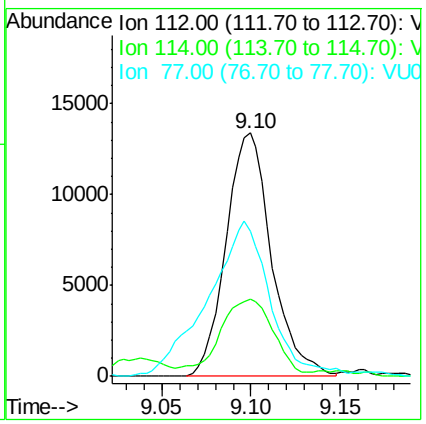




#51
Chlorobenzene
Concen: 2.454 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion:112 Resp: 23818

Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.8	42.4
77	59.8	51.5	77.3



Instrument :
MSVOA_U
ClientSampleId :
BFDL5

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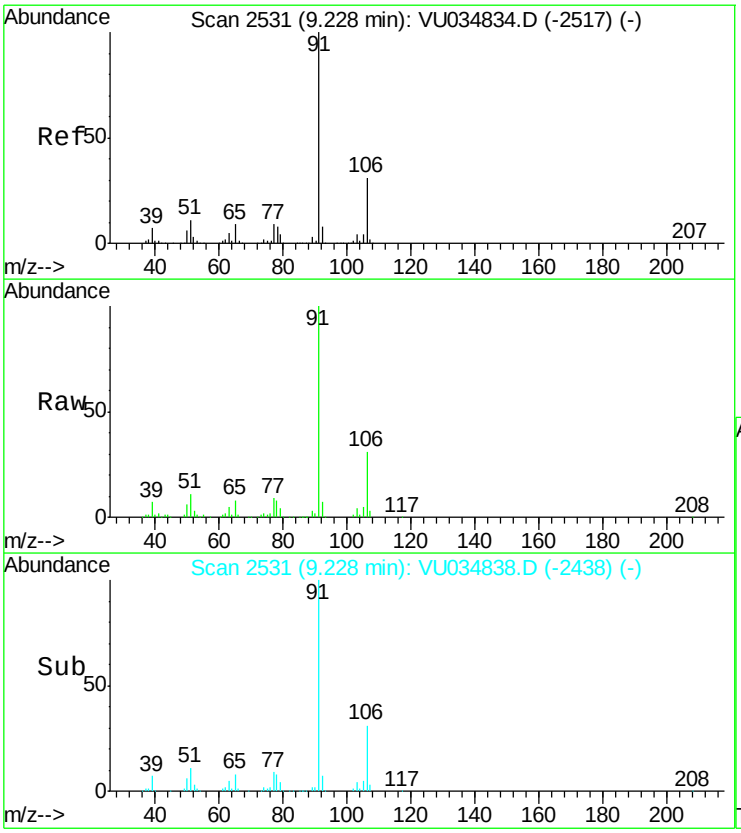
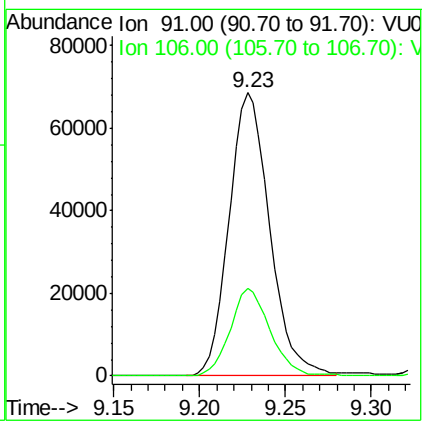
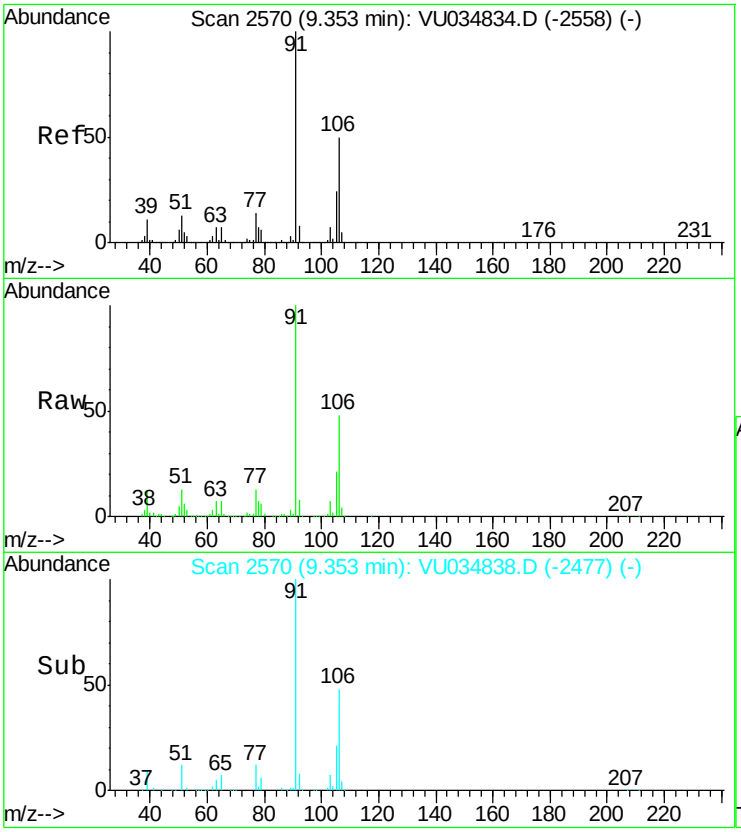


#52
Ethylbenzene
Concen: 6.267 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 91 Resp: 112653

Ion	Ratio	Lower	Upper
91	100		
106	30.9	20.6	38.4

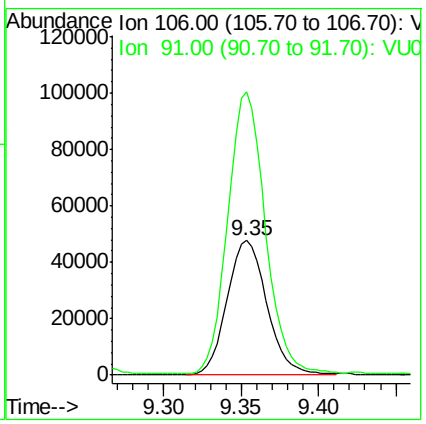




#53
m,p-Xylene
Concen: 13.403 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion:106 Resp: 85334

Ion	Ratio	Lower	Upper
106	100		
91	210.4	146.9	272.7



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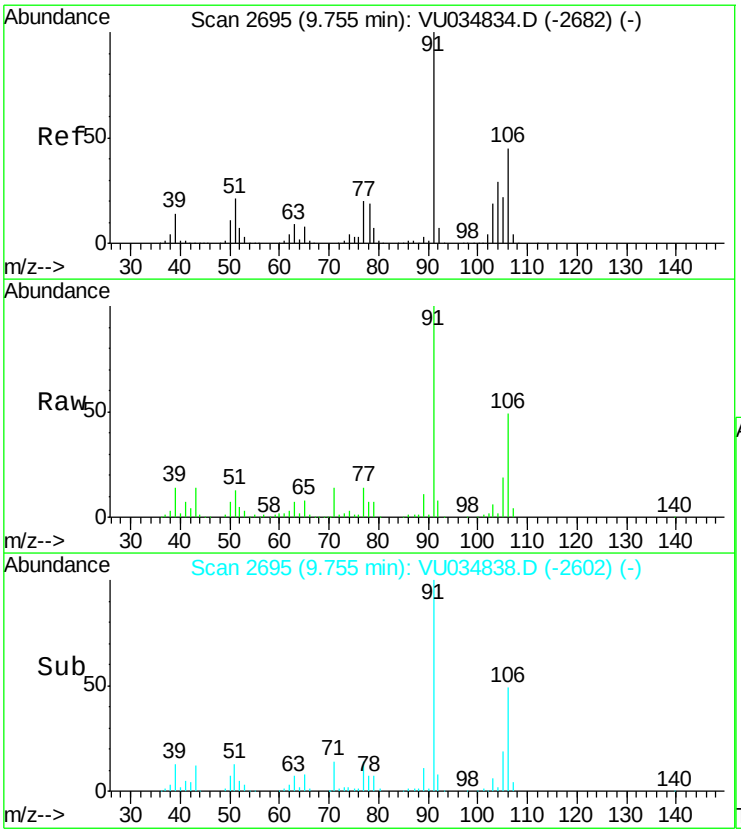
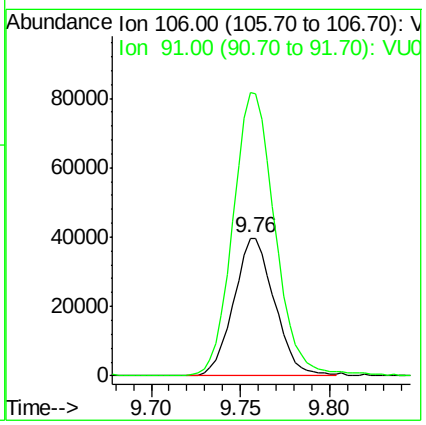
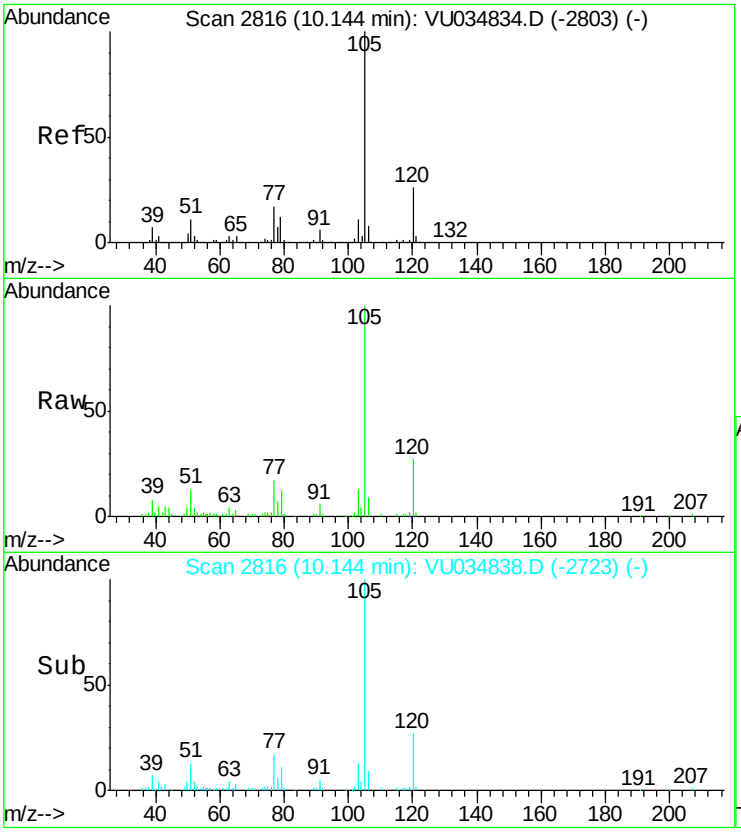


#54
o-xylene
Concen: 10.084 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion:106 Resp: 63504

Ion	Ratio	Lower	Upper
106	100		
91	205.5	155.6	289.0

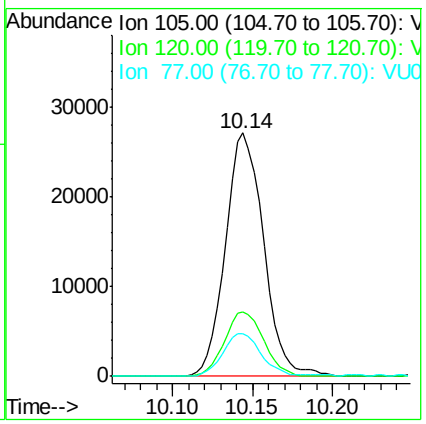




#56
Isopropylbenzene
Concen: 2.597 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion:105 Resp: 44099

Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.4	30.6
77	17.6	14.2	21.4



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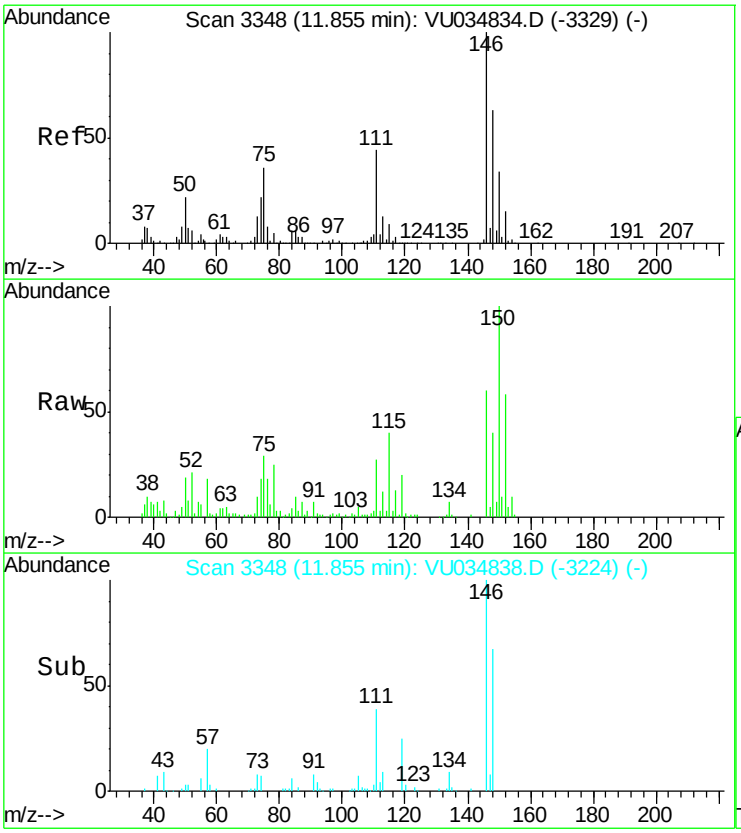

#65
1,2-Dichlorobenzene
Concen: 8.647 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034838.D
Acq: 26 Sep 2019 12:01

Tgt Ion:146 Resp: 59588

Ion	Ratio	Lower	Upper
146	100		
111	44.7	35.2	52.8
148	66.5	53.0	79.6