Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034671.D
Acq On : 20 Sep 2019 00:56
Operator : JC/SP
Sample : K4895-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
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Quant Time: Sep 20 07:02:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	514437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	487651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	229773	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	232597	44.17	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.34%			
7) Chloroethane-d5	1.67	69	190268	46.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.50%			
11) 1,1-Dichloroethene-d2	2.26	63	317441	35.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.18%			
21) 2-Butanone-d5	4.15	46	473104	117.21	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 117.21%			
24) Chloroform-d	4.62	84	364927	47.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.32%			
26) 1,2-Dichloroethane-d4	5.29	65	273327	48.56	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.12%			
32) Benzene-d6	5.32	84	740556	49.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.00%			
36) 1,2-Dichloropropane-d6	6.31	67	259989	49.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.42%			
41) Toluene-d8	7.54	98	700694	48.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.46%			
43) trans-1,3-Dichloropropene-	7.83	79	120100	47.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.94%			
47) 2-Hexanone-d5	8.29	63	309468	116.63	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 116.63%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	352160	48.04	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.08%			
64) 1,2-Dichlorobenzene-d4	11.84	152	240013	49.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.62%			
Target Compounds						Qvalue
13) Acetone	2.31	43	161571	34.412	ug/L	97
15) Methyl Acetate	2.61	43	6326m	1.009	ug/L	
16) Methylene chloride	2.68	84	6883m	1.614	ug/L	
20) cis-1,2-Dichloroethene	4.20	96	23961m	5.569	ug/L	
22) 2-Butanone	4.25	43	45596	8.163	ug/L	97
29) Cyclohexane	4.97	56	9468	1.176	ug/L #	74
33) Benzene	5.37	78	109273m	6.461	ug/L	
34) Trichloroethene	6.17	95	16087	3.851	ug/L	93
35) Methylcyclohexane	6.39	83	8691	1.226	ug/L	94
40) 4-Methyl-2-pentanone	7.44	43	73274	7.621	ug/L	95
42) Toluene	7.61	91	711893	38.948	ug/L	100
51) Chlorobenzene	9.10	112	13968	1.257	ug/L	91
52) Ethylbenzene	9.23	91	253979	12.339	ug/L	100
53) m,p-Xylene	9.35	106	377075	51.723	ug/L	97
54) o-xylene	9.76	106	283237	39.280	ug/L	99
56) Isopropylbenzene	10.14	105	32469	1.670	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	48440	6.025	ug/L	97

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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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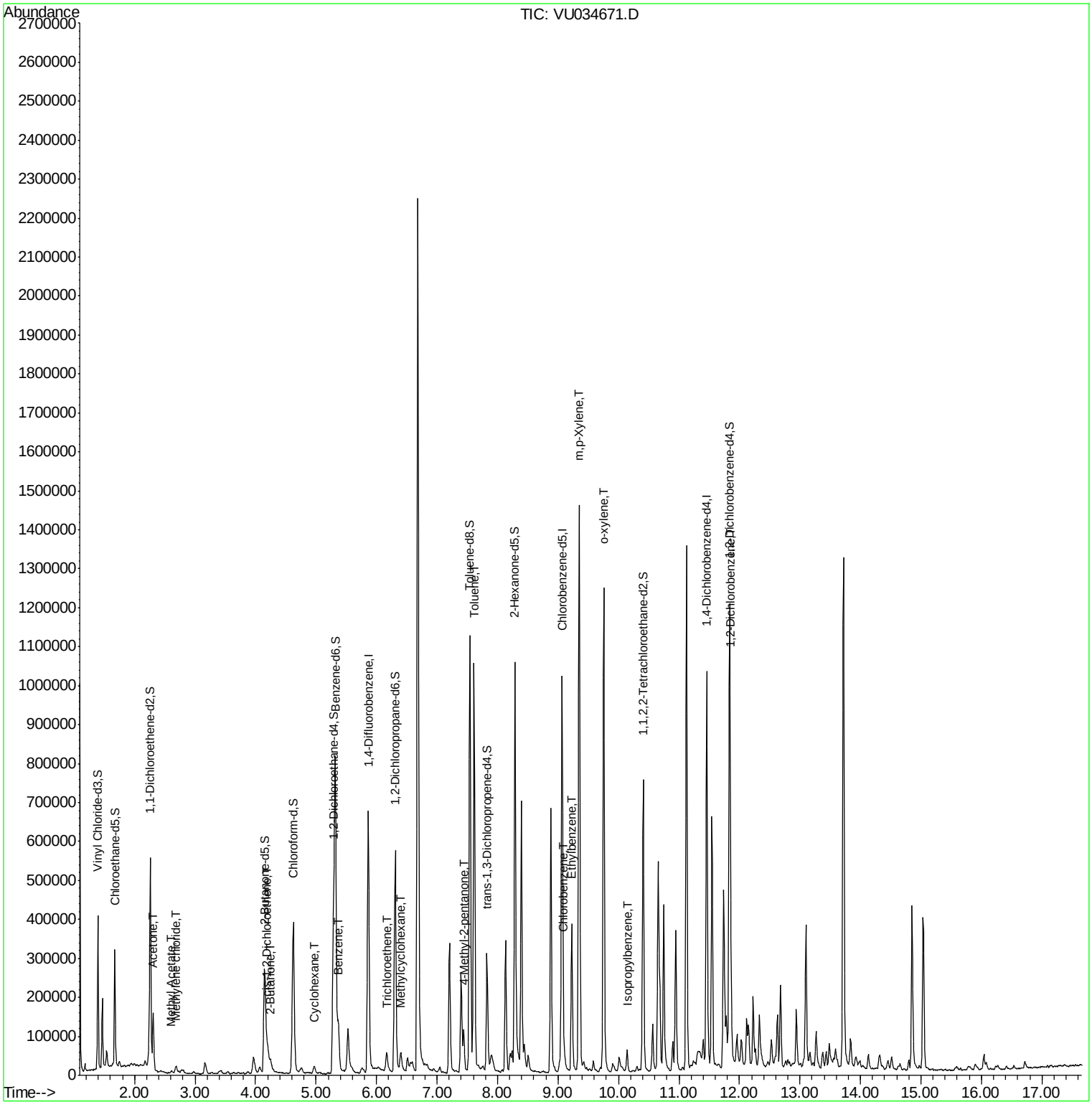
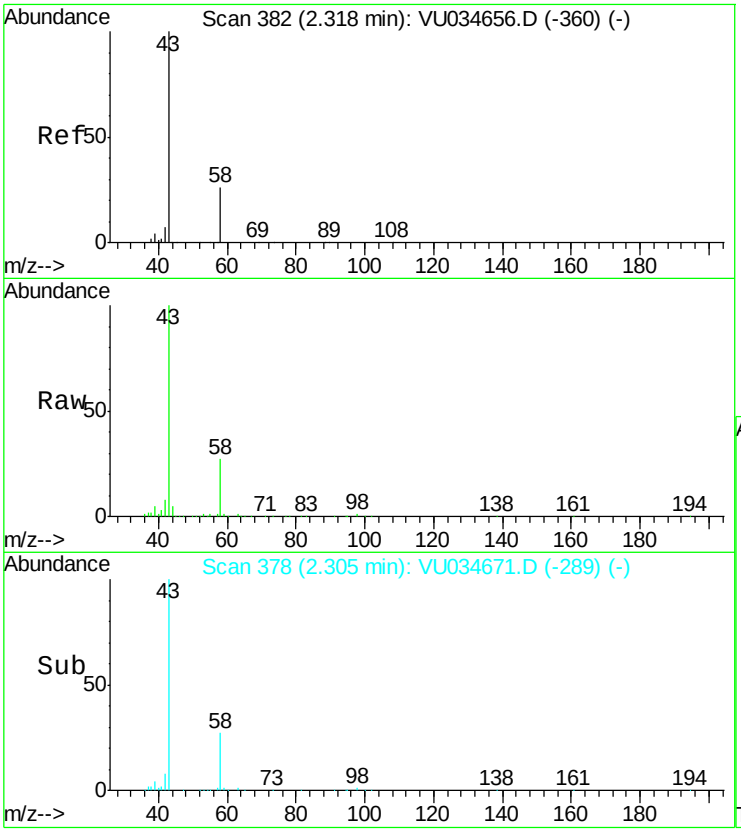
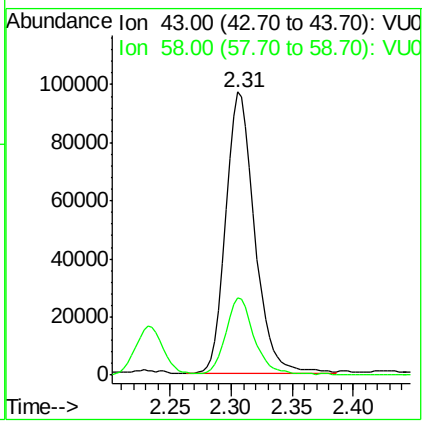




#13
Acetone
Concen: 34.412 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.01 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 43 Resp: 161571

Ion	Ratio	Lower	Upper
43	100		
58	25.3	0.0	53.4



Instrument :
MSVOA_U
ClientSampleId :
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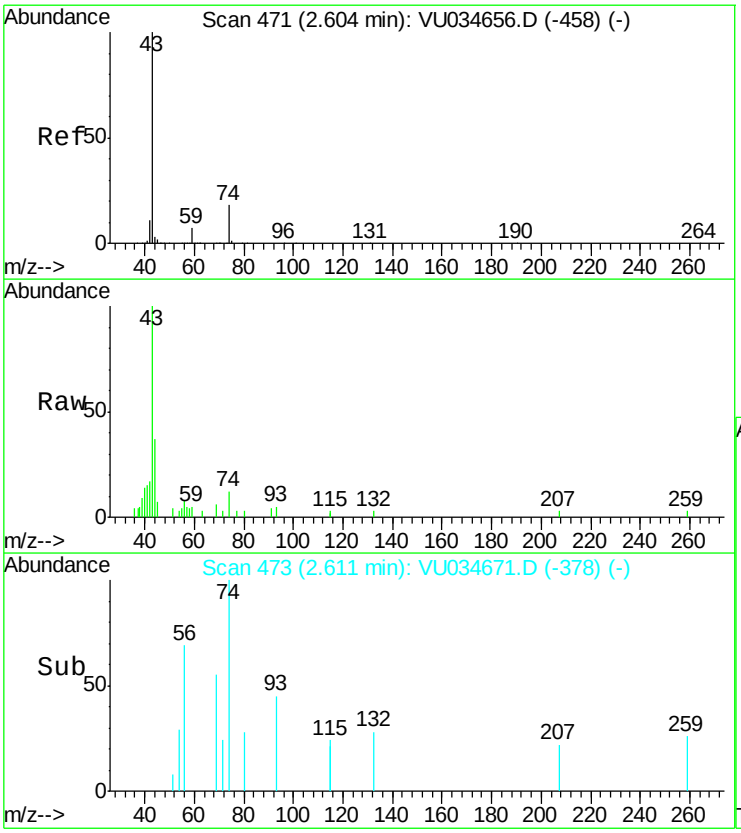
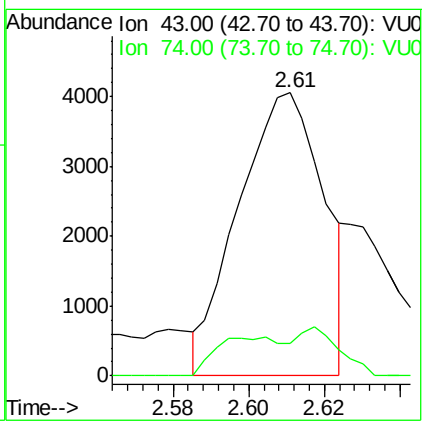
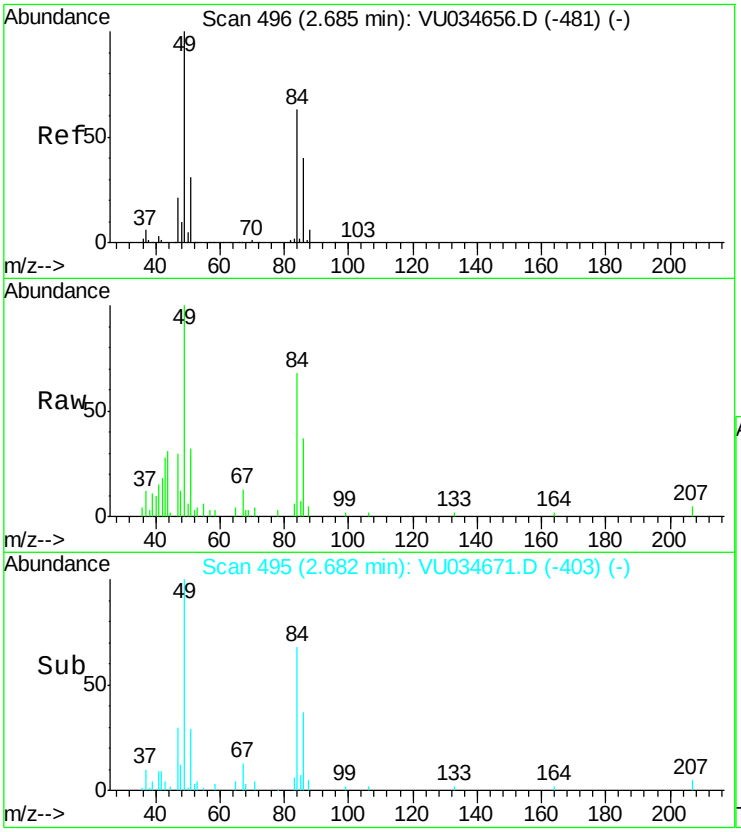


#15
Methyl Acetate
Concen: 1.009 ug/L m
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 43 Resp: 6326

Ion	Ratio	Lower	Upper
43	100		
74	0.7	14.4	21.6#

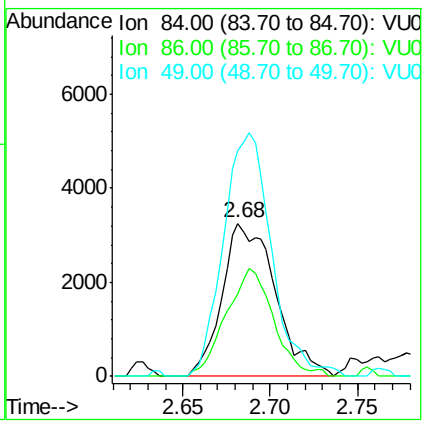




#16
Methylene chloride
Concen: 1.614 ug/L m
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 84 Resp: 6883

Ion	Ratio	Lower	Upper
84	100		
86	54.1	43.0	80.0
49	147.8	109.7	203.7



Instrument :
MSVOA_U
ClientSampleId :
BFDH2

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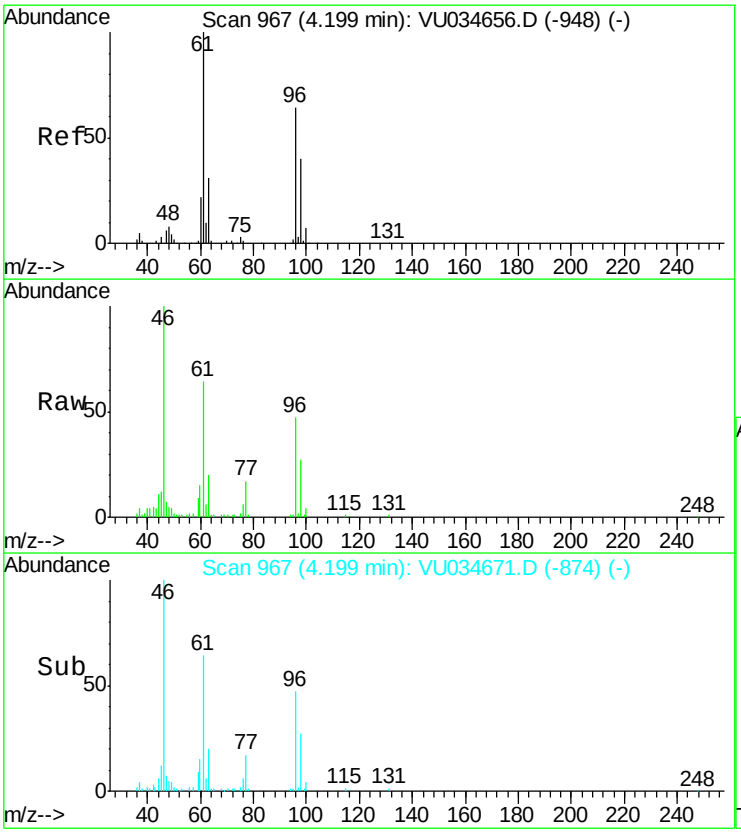
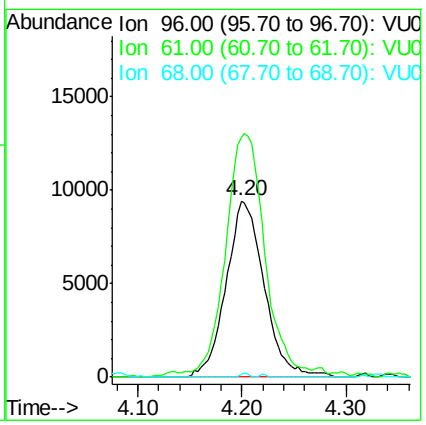
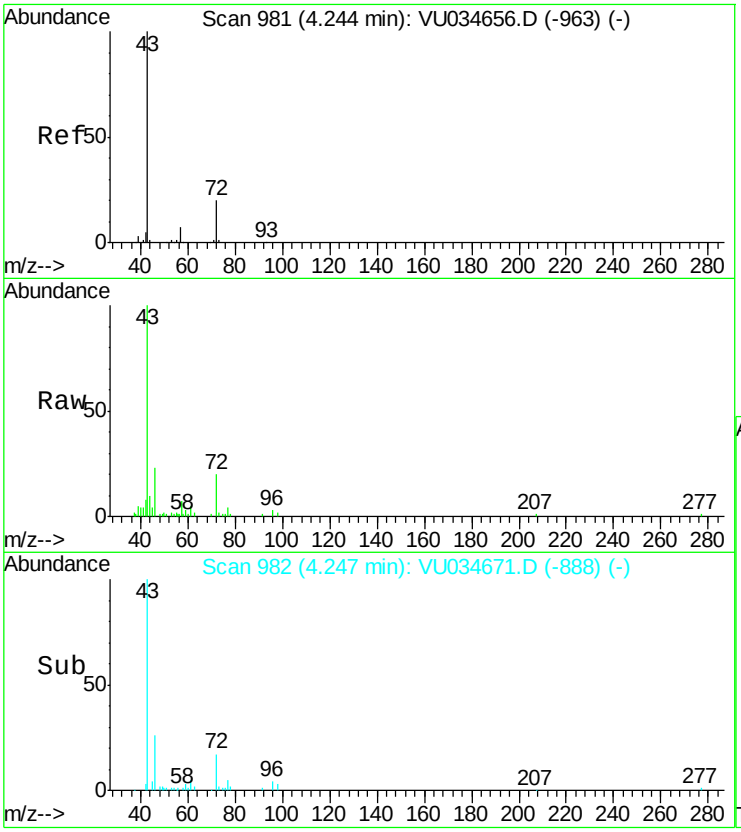


#20
cis-1,2-Dichloroethene
Concen: 5.569 ug/L m
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 96 Resp: 23961

Ion	Ratio	Lower	Upper
96	100		
61	136.3	108.8	202.2
68	1.7	0.0	0.0#

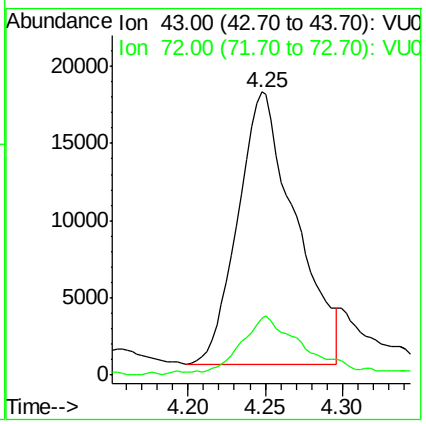




#22
2-Butanone
Concen: 8.163 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 43 Resp: 45596

Ion	Ratio	Lower	Upper
43	100		
72	18.9	10.2	30.6



Instrument :
MSVOA_U
ClientSampleId :
BFDH2

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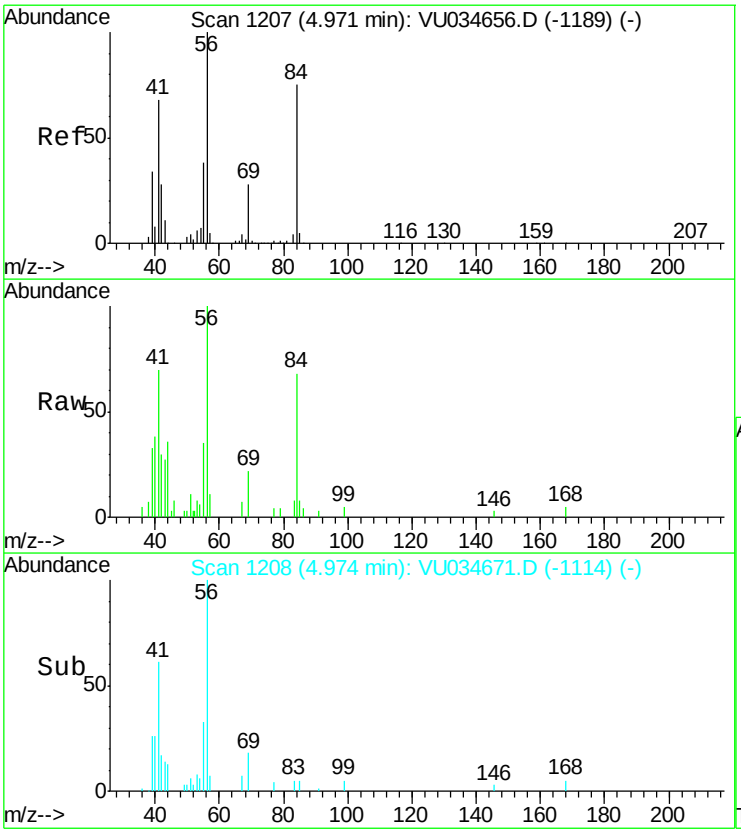
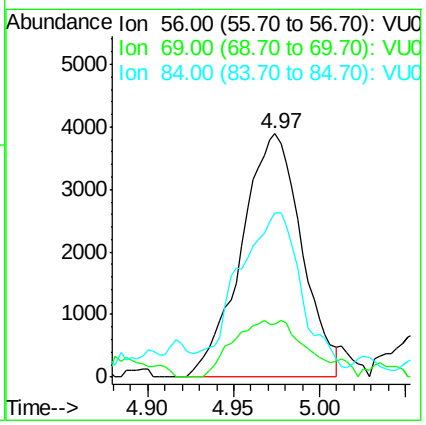
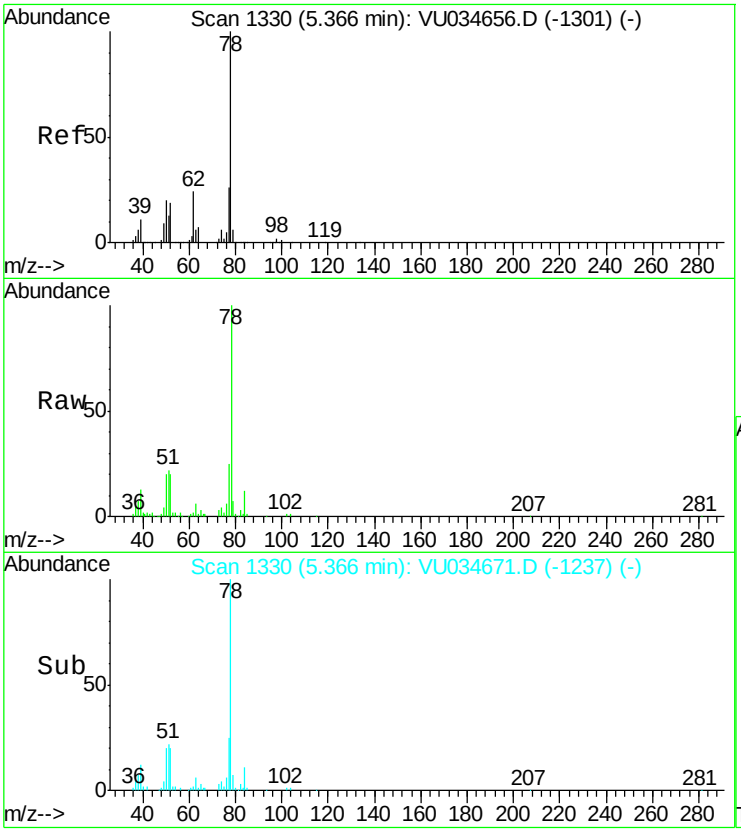


#29
Cyclohexane
Concen: 1.176 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 56 Resp: 9468

Ion	Ratio	Lower	Upper
56	100		
69	14.7	21.7	32.5#
84	51.0	58.8	88.2#





#33
Benzene
Concen: 6.461 ug/L m
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 78 Resp: 109273

Instrument :
MSVOA_U
ClientSampleId :
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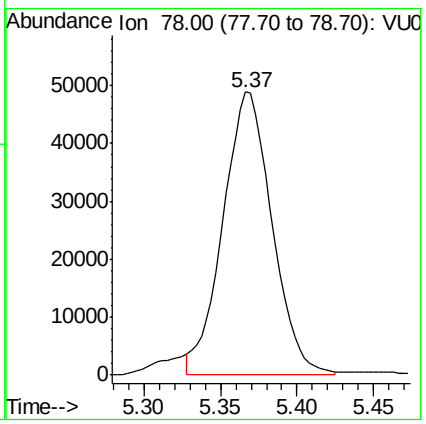
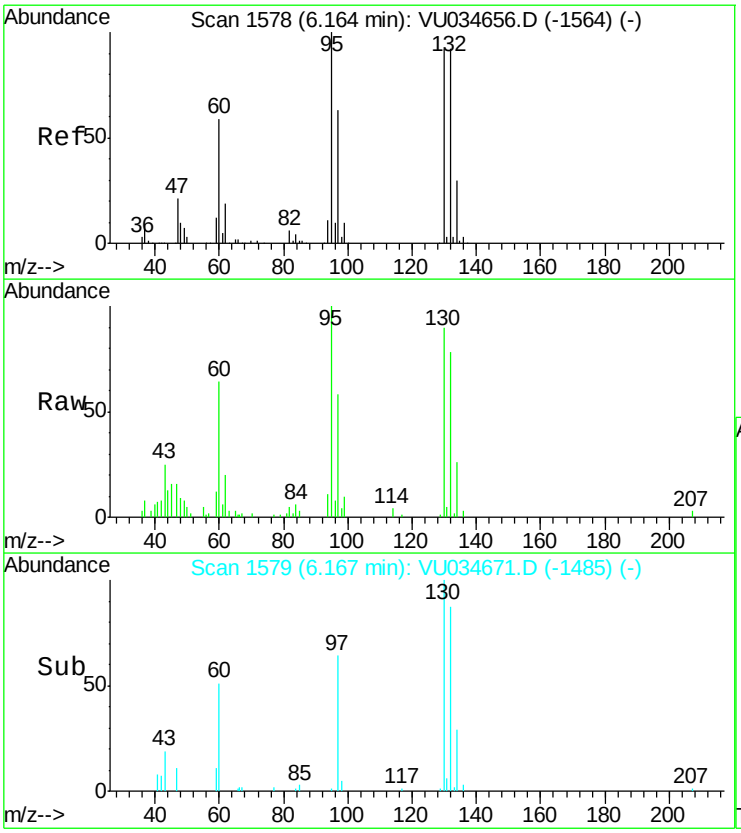
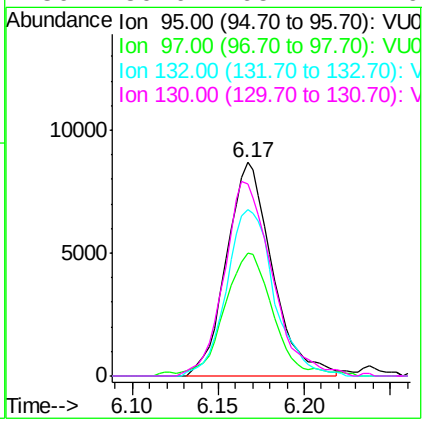


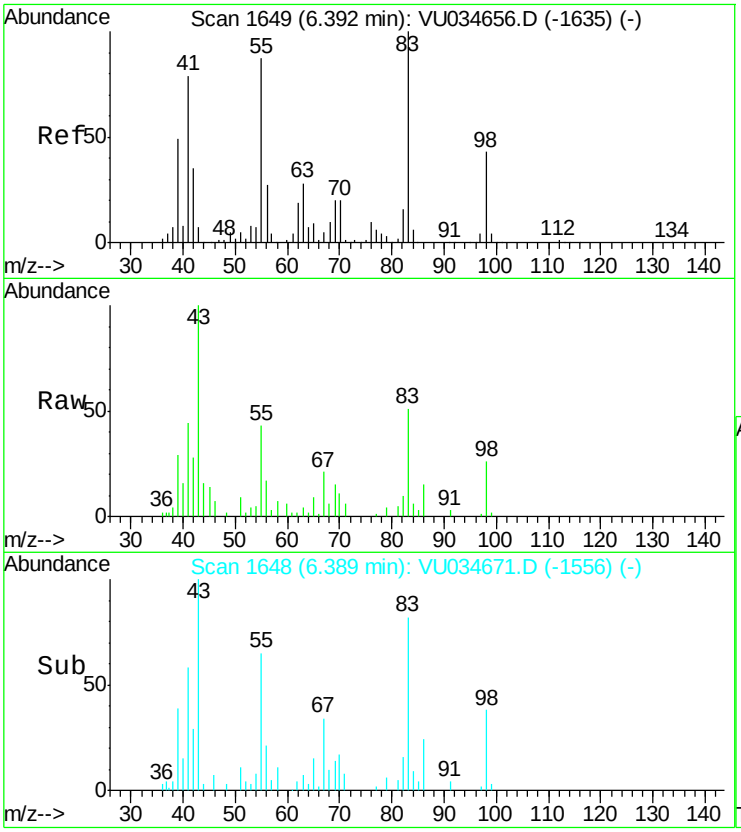


#34
Trichloroethene
Concen: 3.851 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 95 Resp: 16087

Ion	Ratio	Lower	Upper
95	100		
97	57.7	43.7	81.1
132	78.0	61.0	113.2
130	89.6	65.7	121.9

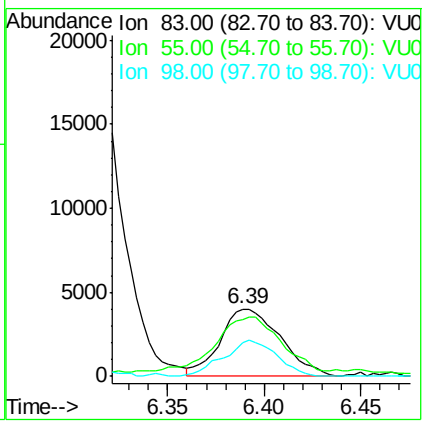




#35
Methylcyclohexane
Concen: 1.226 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 83 Resp: 8691

Ion	Ratio	Lower	Upper
83	100		
55	83.7	71.6	107.4
98	47.4	35.7	53.5



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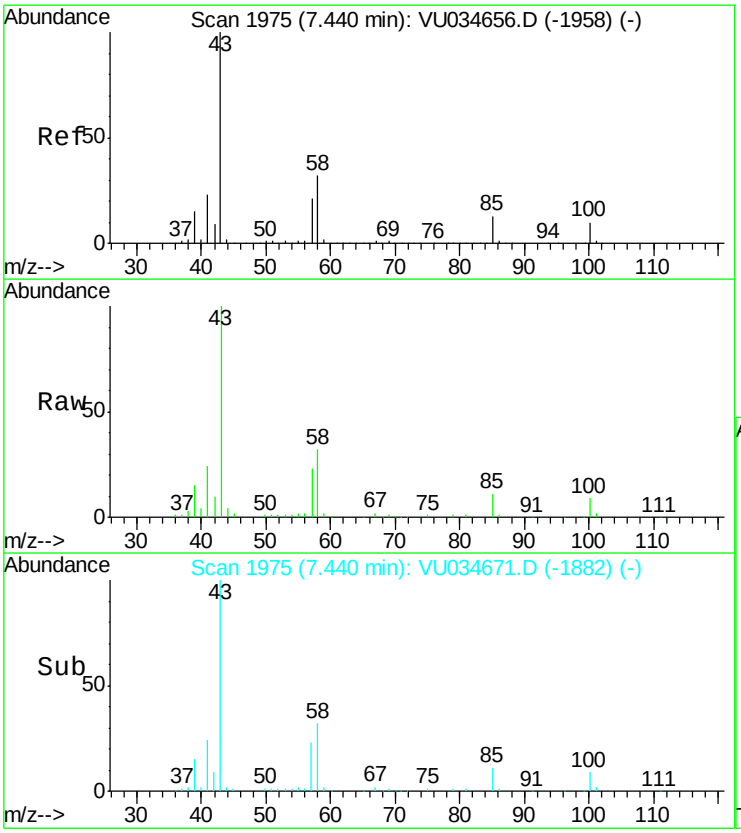
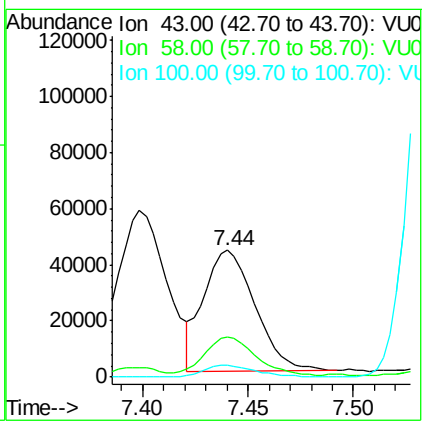
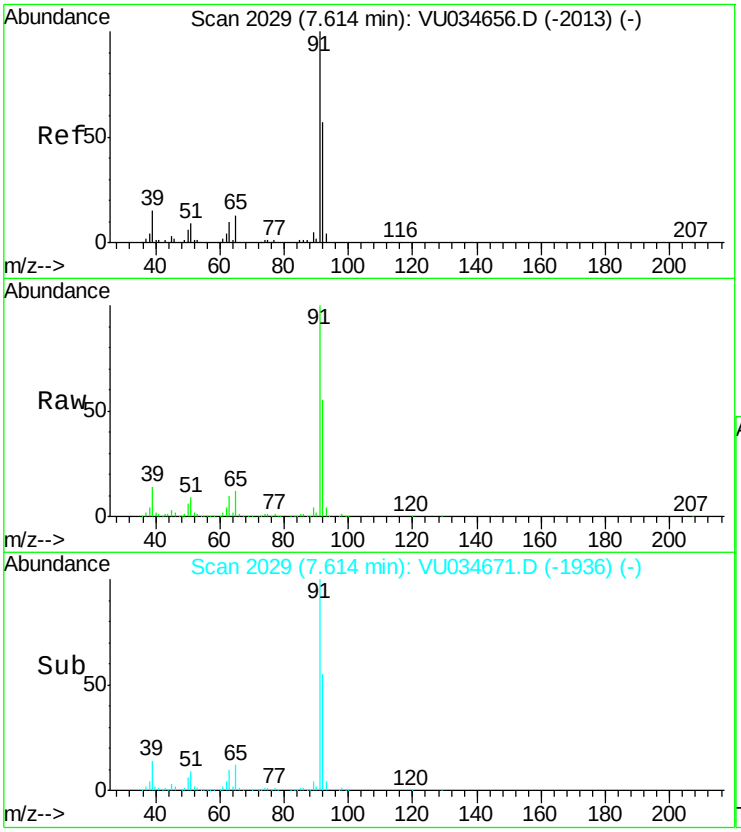


#40
4-Methyl-2-pentanone
Concen: 7.621 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 43 Resp: 73274

Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.2	37.8
100	10.0	7.7	11.5

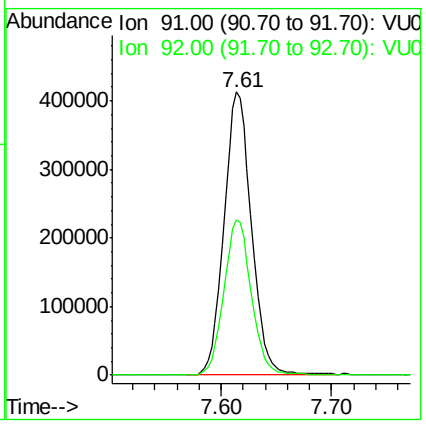




#42
Toluene
Concen: 38.948 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 91 Resp: 711893

Ion	Ratio	Lower	Upper
91	100		
92	54.8	38.2	71.0



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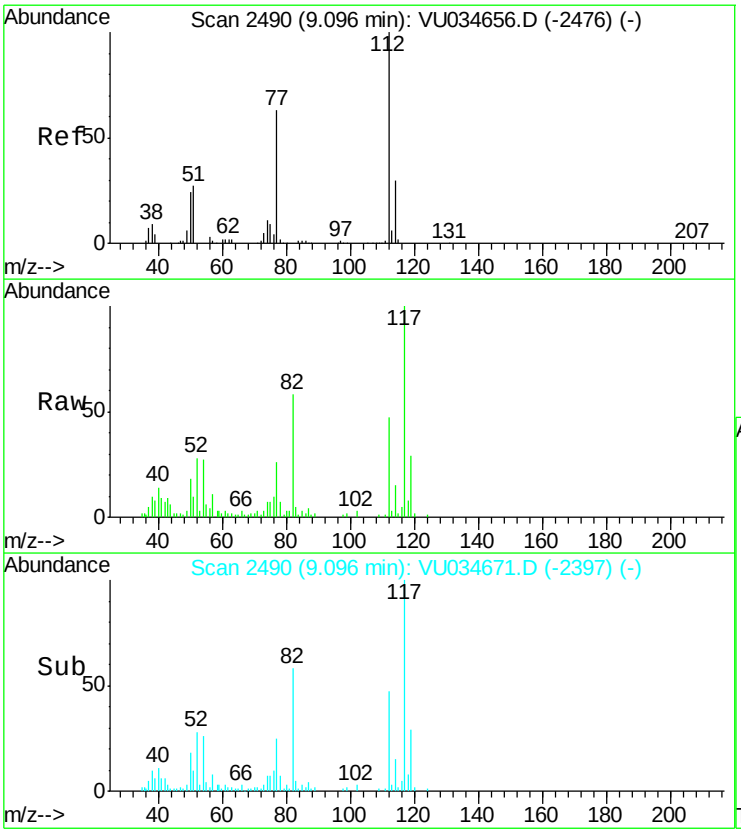
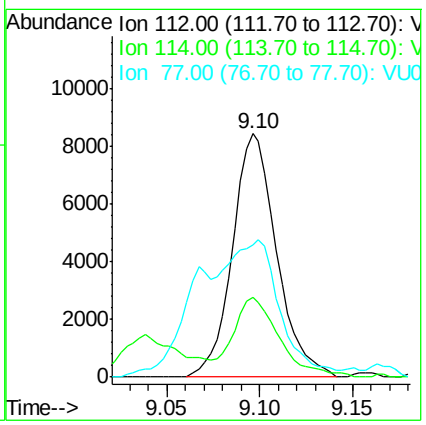
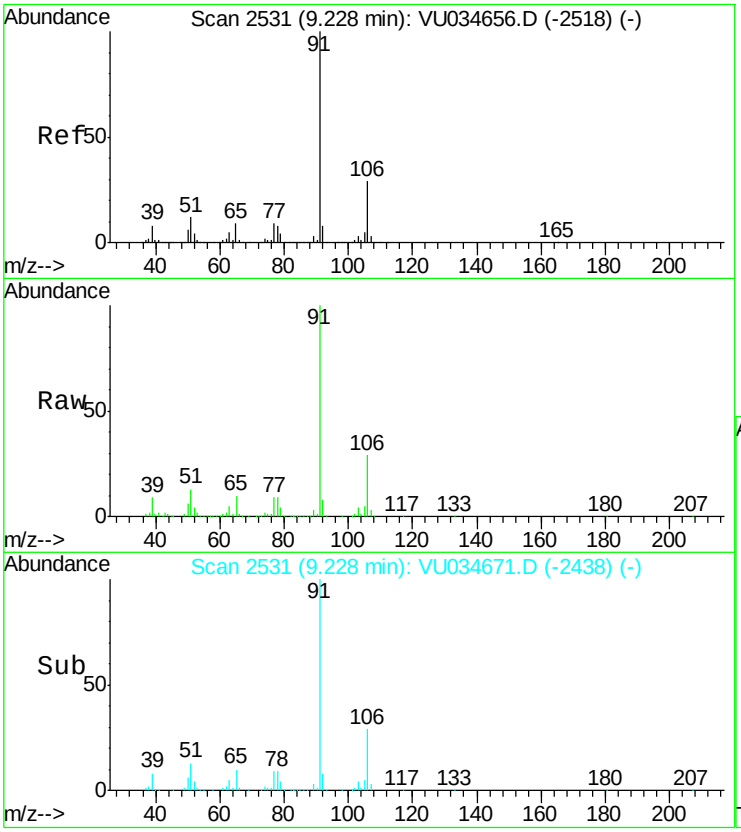


#51
Chlorobenzene
Concen: 1.257 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion:112 Resp: 13968

Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.8	42.4
77	54.1	51.5	77.3

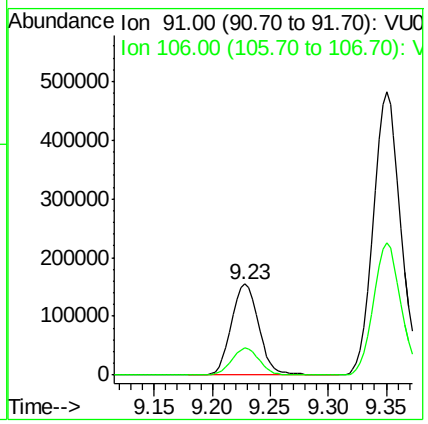




#52
Ethylbenzene
Concen: 12.339 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 91 Resp: 253979

Ion	Ratio	Lower	Upper
91	100		
106	29.4	20.6	38.4



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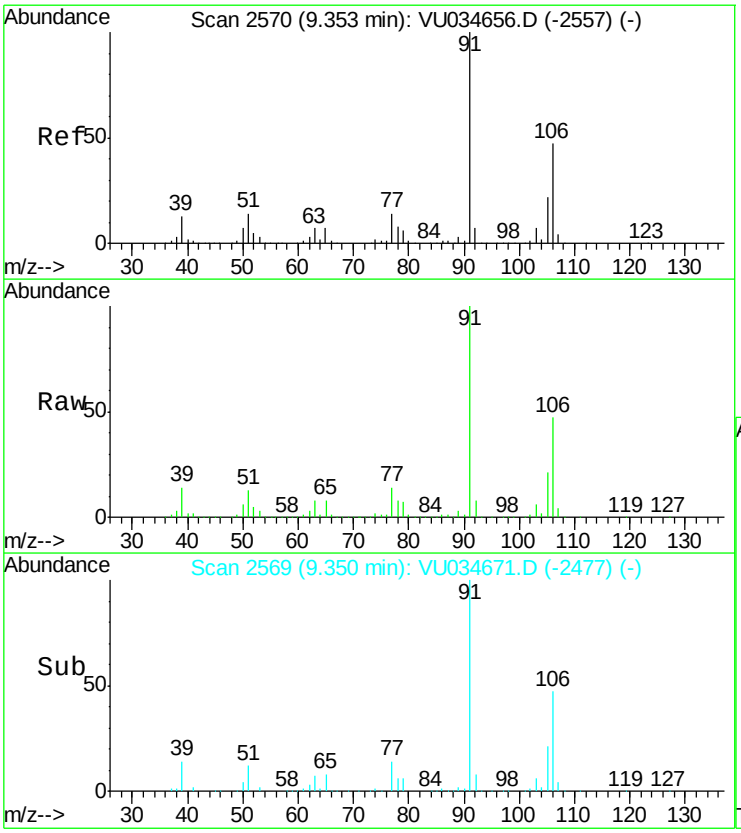
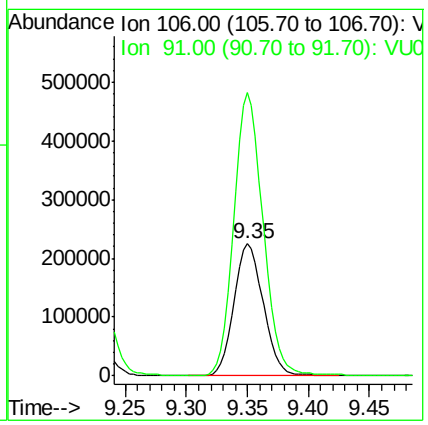
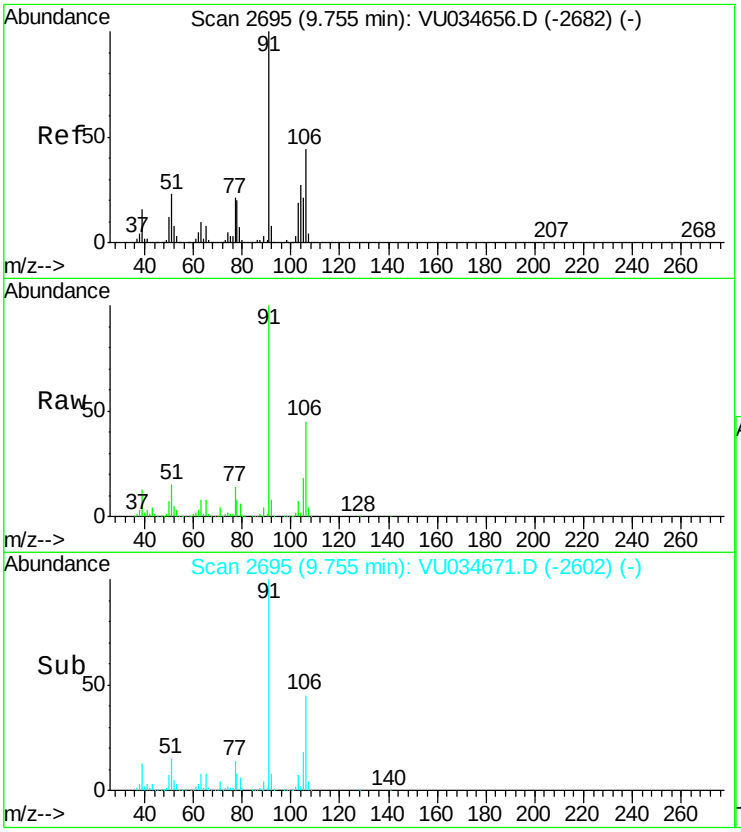


#53
m,p-Xylene
Concen: 51.723 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion:106 Resp: 377075

Ion	Ratio	Lower	Upper
106	100		
91	214.4	146.9	272.7





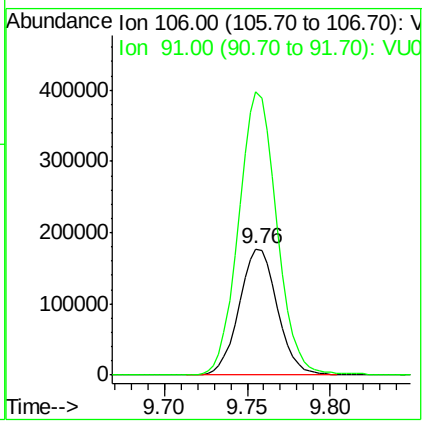
#54
o-xylene
Concen: 39.280 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

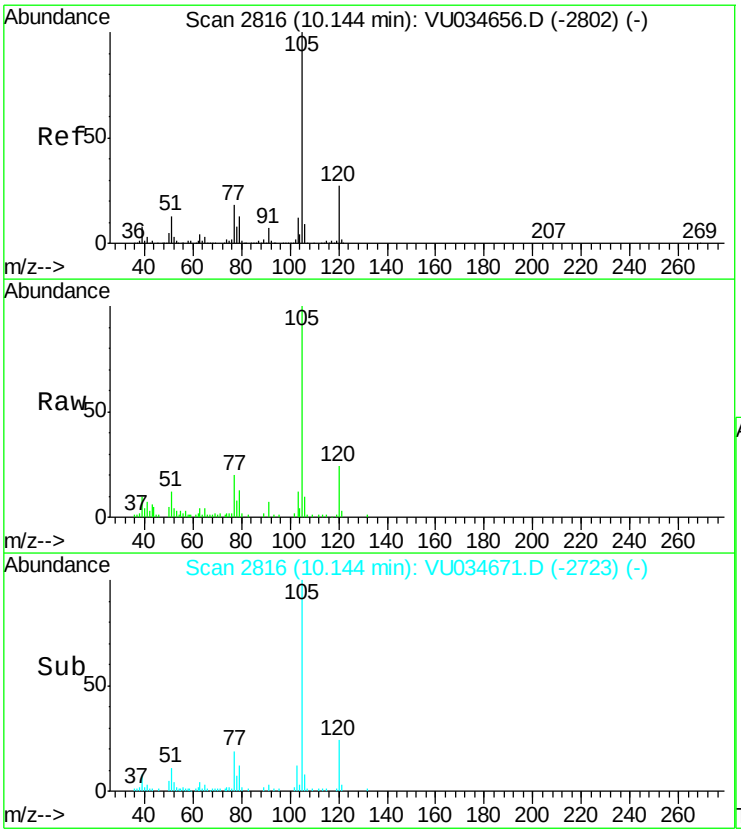
Tgt Ion:106 Resp: 283237

Ion	Ratio	Lower	Upper
106	100		
91	224.6	155.6	289.0

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:43:51 PM

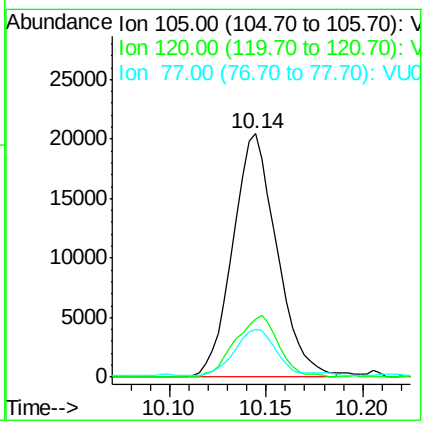


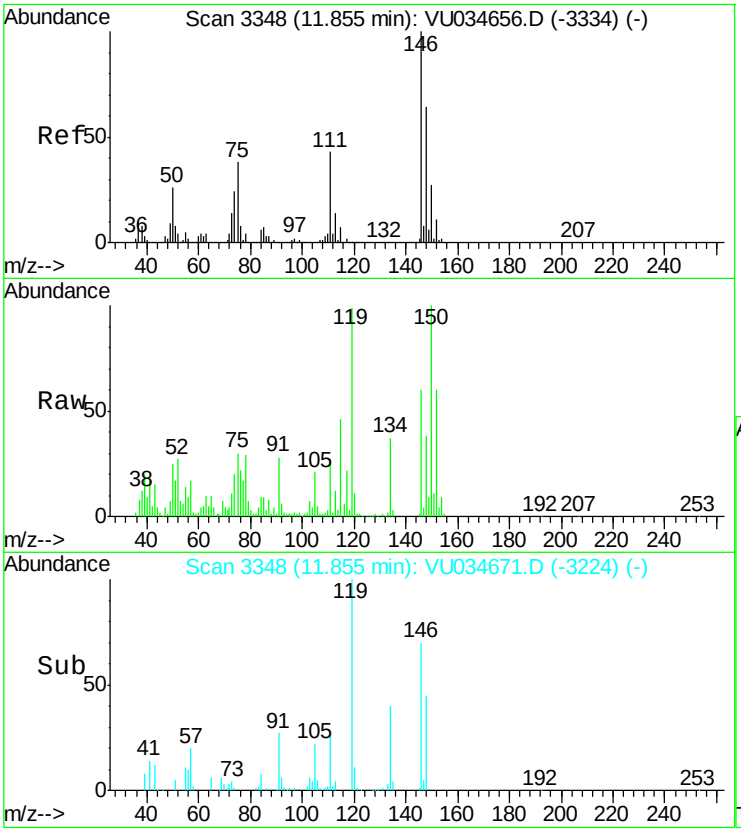


#56
Isopropylbenzene
Concen: 1.670 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion:105 Resp: 32469

Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.4	30.6
77	17.8	14.2	21.4

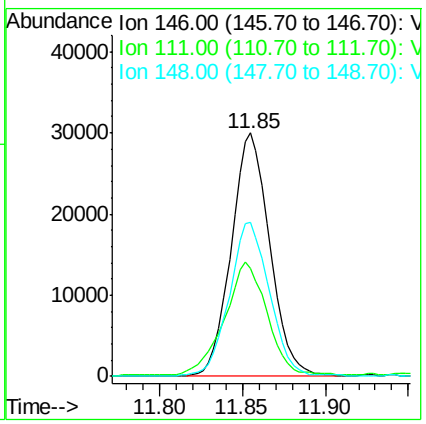




#65
1,2-Dichlorobenzene
Concen: 6.025 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion:146 Resp: 48440

Ion	Ratio	Lower	Upper
146	100		
111	44.2	35.2	52.8
148	63.0	53.0	79.6



Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
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9/20/2019 12:43:51 PM