Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\

Quantitation Report (QT/LSC Reviewed)

Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

Manual Integrations APPROVED
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10/11/2019 8:33:24 AM

Quant Time: Oct 11 02:23:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 09 02:24:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	427282	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	409438	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	188811	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	183759	42.01	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.02%			
7) Chloroethane-d5	1.67	69	160438	47.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.92%			
11) 1,1-Dichloroethene-d2	2.26	63	251236	33.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.84%			
21) 2-Butanone-d5	4.15	46	422742	126.10	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 126.10%			
24) Chloroform-d	4.62	84	317441	49.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.84%			
26) 1,2-Dichloroethane-d4	5.29	65	224834	48.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.20%			
32) Benzene-d6	5.32	84	671071	52.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.76%			
36) 1,2-Dichloropropane-d6	6.31	67	236044	53.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.44%			
41) Toluene-d8	7.54	98	647960	53.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.34%			
43) trans-1,3-Dichloropropene-	7.83	79	99642	46.90	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.80%			
47) 2-Hexanone-d5	8.29	63	280170	125.76	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 125.76%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	329451	53.53	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 107.06%			
64) 1,2-Dichlorobenzene-d4	11.84	152	227447	57.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 114.90%			
Target Compounds						Qvalue
13) Acetone	2.31	43	197841	50.731	ug/L	94
15) Methyl Acetate	2.60	43	10212m	1.960	ug/L	
16) Methylene chloride	2.68	84	3100534	875.568	ug/L	96
22) 2-Butanone	4.24	43	83777m	18.057	ug/L	
42) Toluene	7.62	91	23021	1.500	ug/L	99
53) m,p-Xylene	9.35	106	49362	8.064	ug/L	98
54) o-xylene	9.76	106	44969	7.428	ug/L	92
56) Isopropylbenzene	10.14	105	24327	1.490	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	14393	2.179	ug/L	94

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

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Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDL2

Manual Integrations APPROVED
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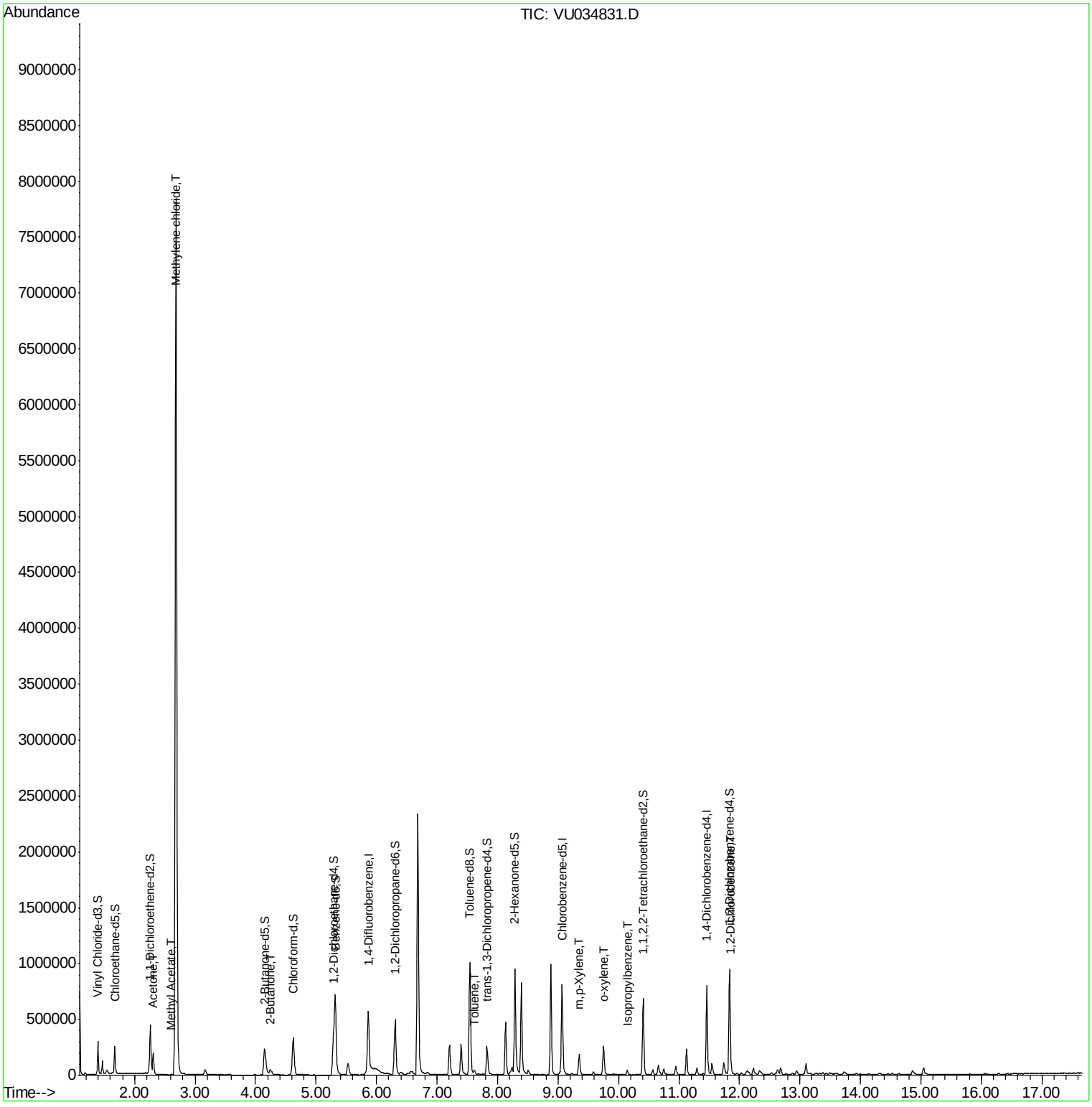
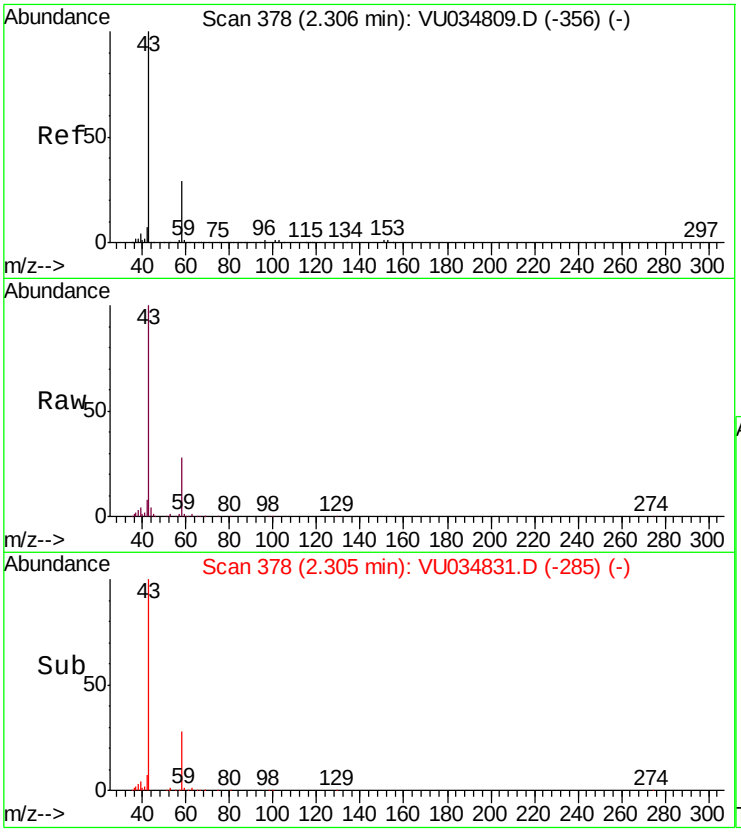
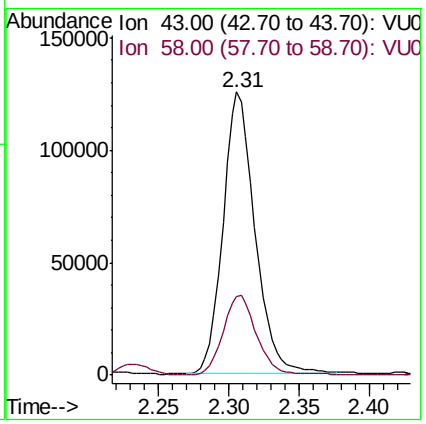




#13
Acetone
Concen: 50.731 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion: 43 Resp: 197841

Ion	Ratio	Lower	Upper
43	100		
58	29.5	0.0	53.4



Instrument :
MSVOA_U
ClientSampleId :
BFDL2

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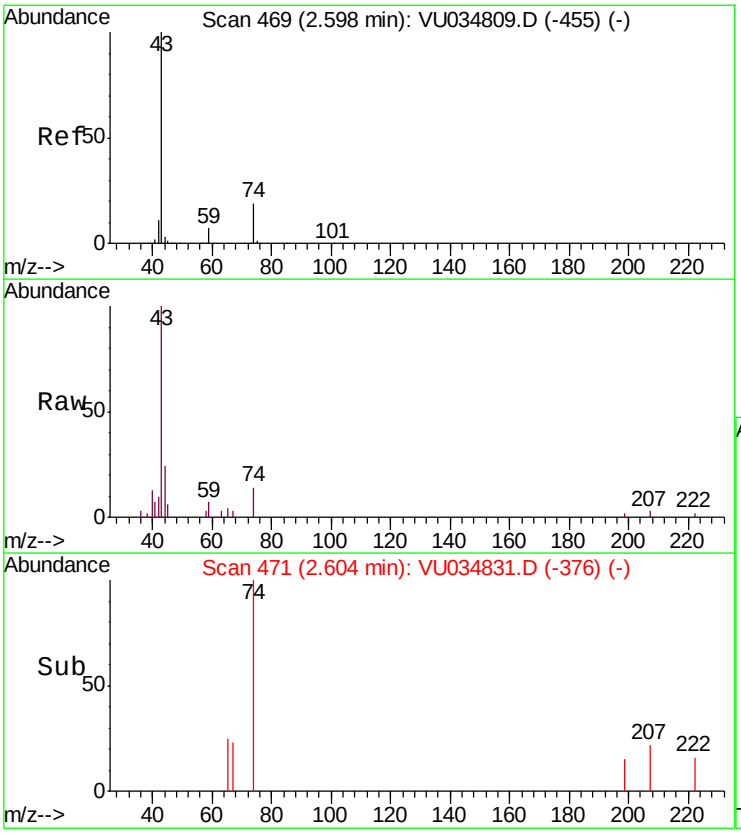
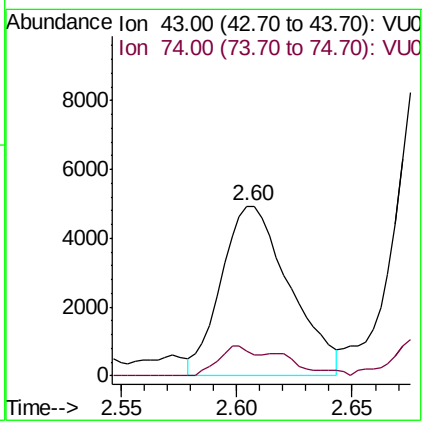
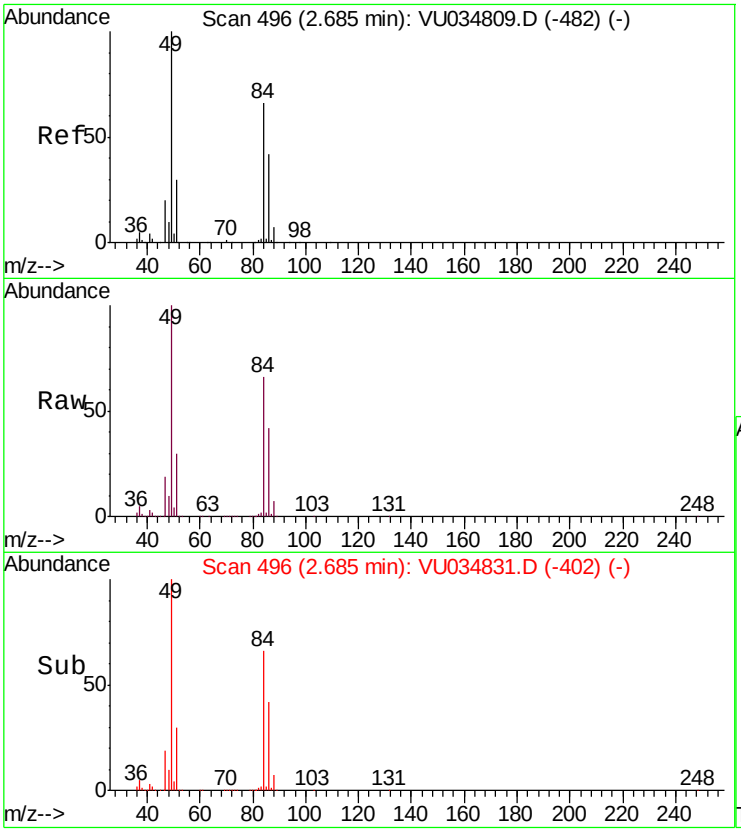


#15
Methyl Acetate
Concen: 1.960 ug/L m
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion: 43 Resp: 10212

Ion	Ratio	Lower	Upper
43	100		
74	28.0	14.4	21.6#

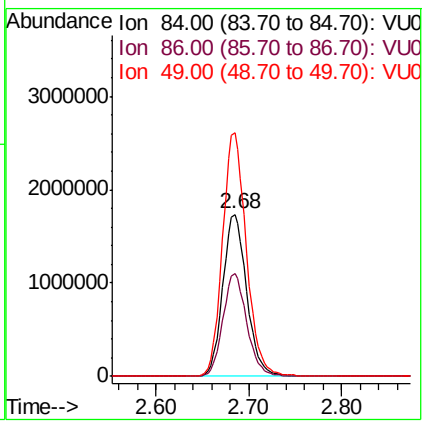




#16
Methylene chloride
Concen: 875.568 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion: 84 Resp: 3100534

Ion	Ratio	Lower	Upper
84	100		
86	63.6	43.0	80.0
49	150.4	109.7	203.7



Instrument :
MSVOA_U
ClientSampleId :
BFDL2

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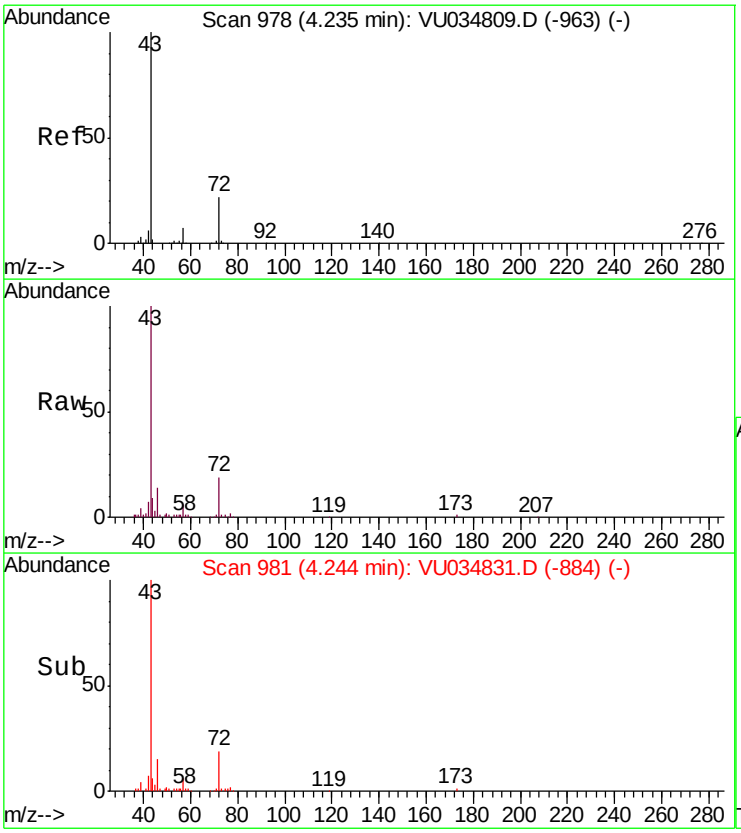
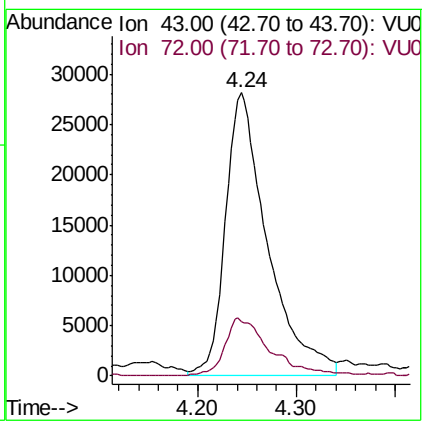
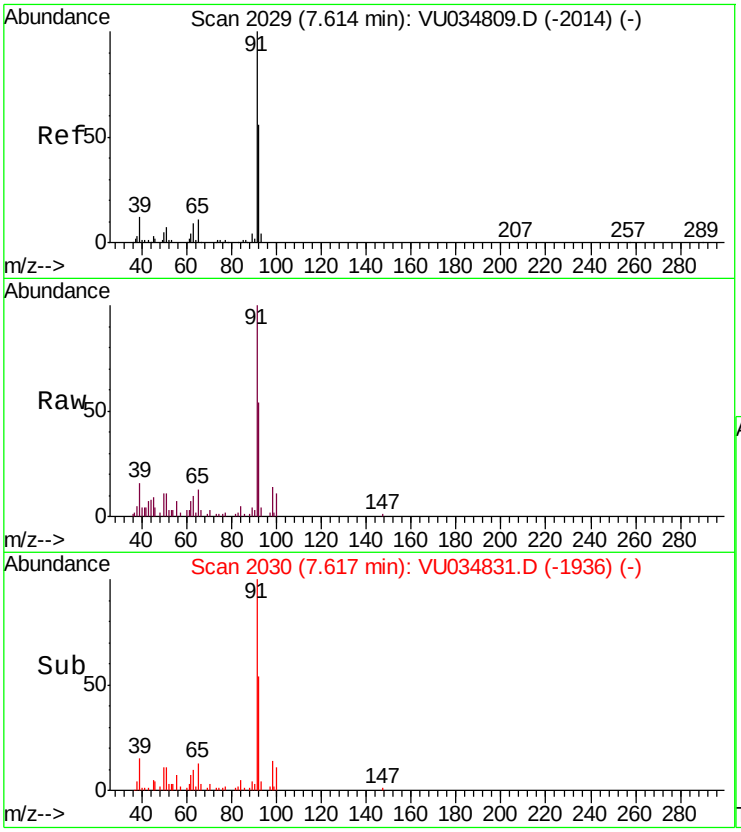


#22
2-Butanone
Concen: 18.057 ug/L m
RT: 4.24 min Scan# 981
Delta R.T. 0.01 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion: 43 Resp: 83777

Ion	Ratio	Lower	Upper
43	100		
72	0.1	10.2	30.6#

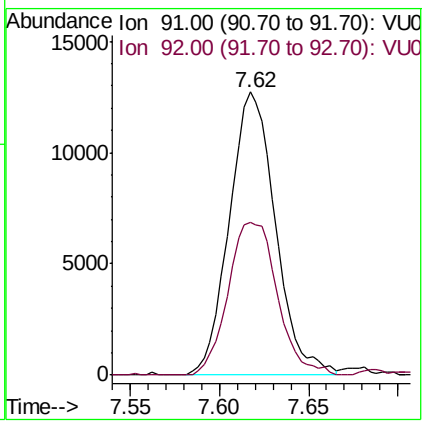




#42
Toluene
Concen: 1.500 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion: 91 Resp: 23021

Ion	Ratio	Lower	Upper
91	100		
92	53.8	38.2	71.0



Instrument :
MSVOA_U
ClientSampleId :
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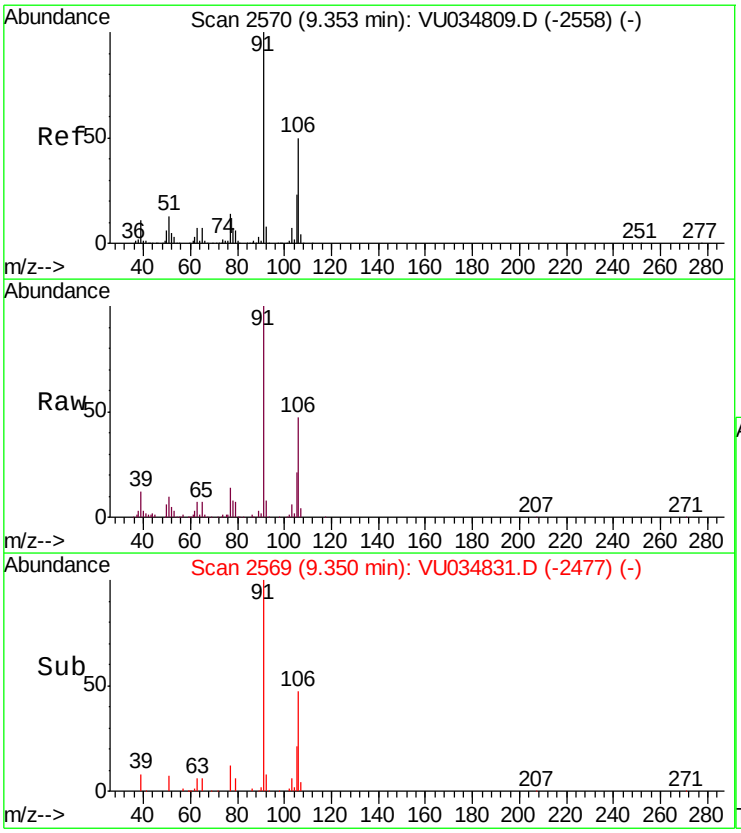
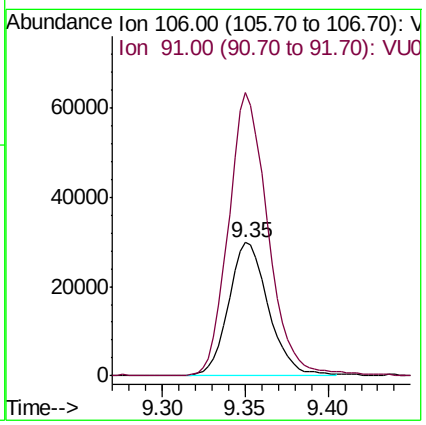
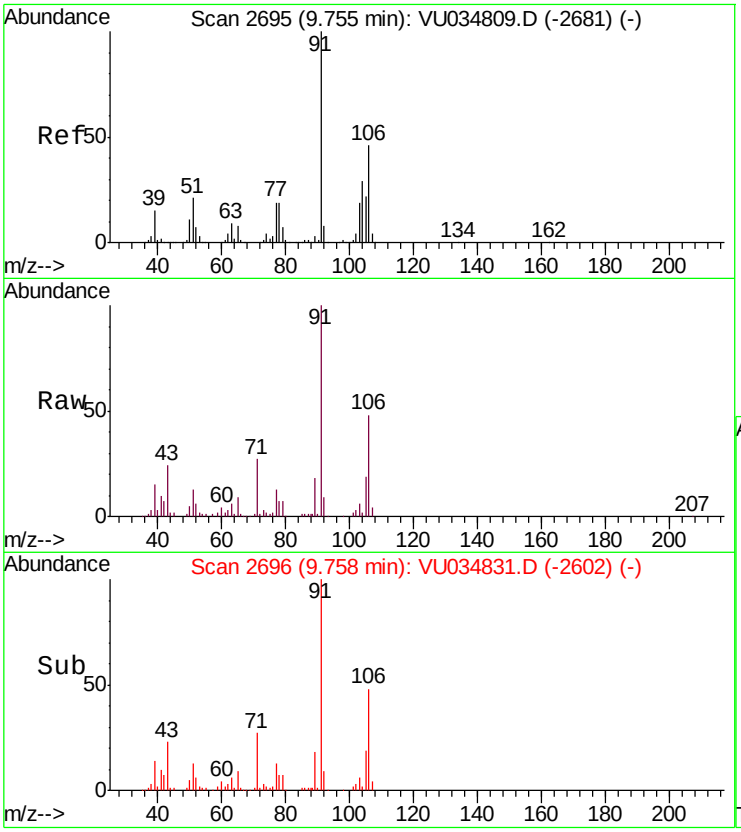


#53
m,p-Xylene
Concen: 8.064 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion:106 Resp: 49362

Ion	Ratio	Lower	Upper
106	100		
91	212.5	146.9	272.7

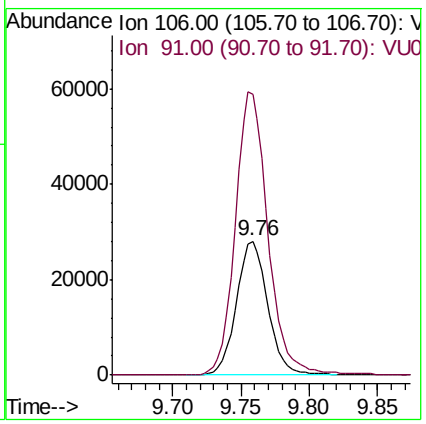




#54
o-xylene
Concen: 7.428 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion:106 Resp: 44969

Ion	Ratio	Lower	Upper
106	100		
91	209.6	155.6	289.0



Instrument :
MSVOA_U
ClientSampleId :
BFDL2

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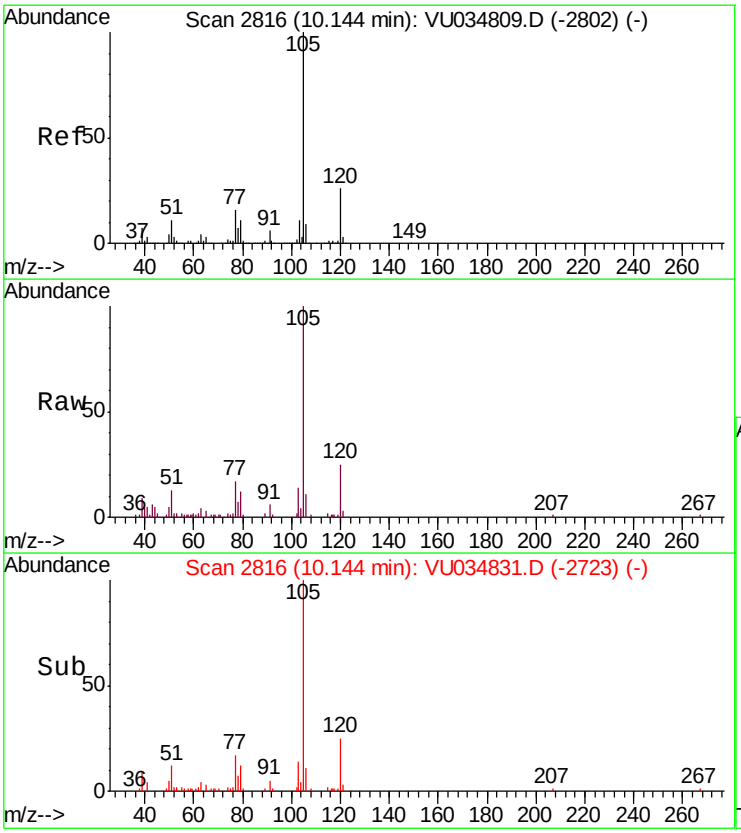
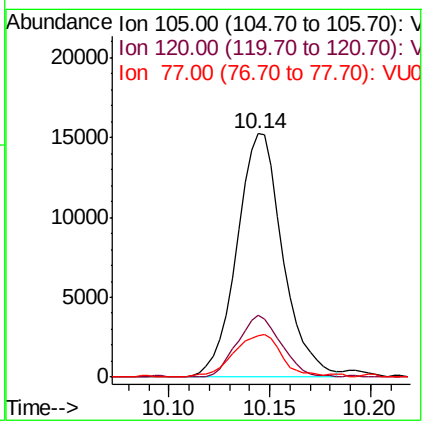
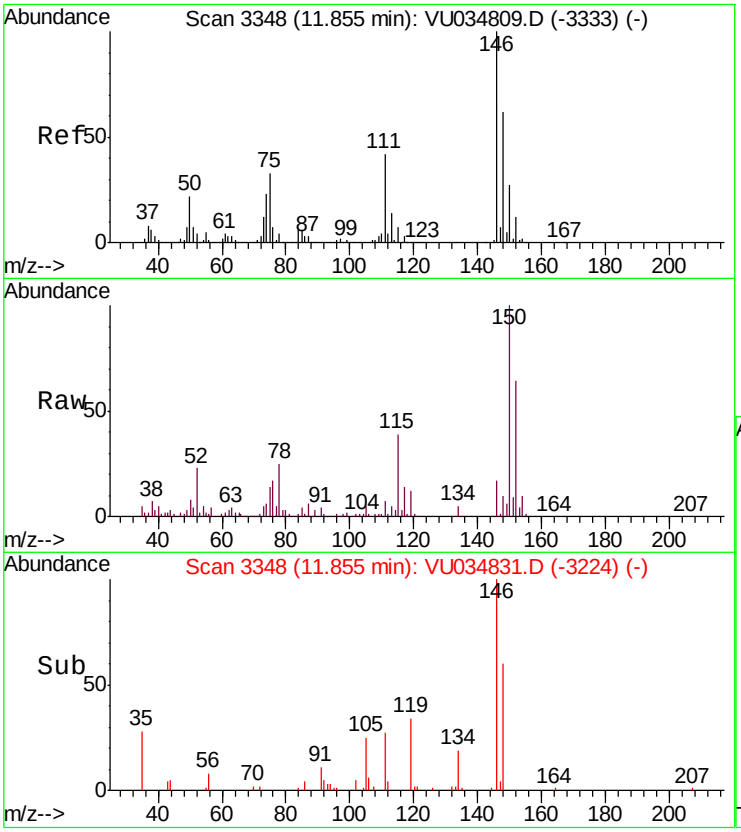


#56
Isopropylbenzene
Concen: 1.490 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion:105 Resp: 24327

Ion	Ratio	Lower	Upper
105	100		
120	24.1	20.4	30.6
77	18.3	14.2	21.4

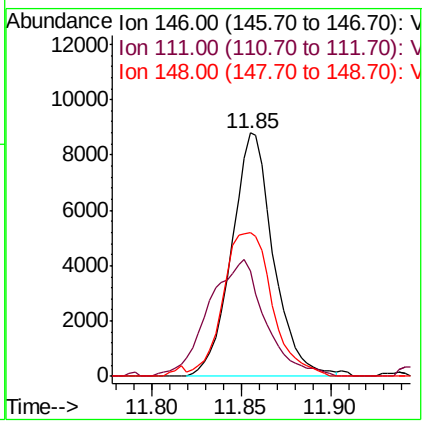




#65
1,2-Dichlorobenzene
Concen: 2.179 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion:146 Resp: 14393

Ion	Ratio	Lower	Upper
146	100		
111	43.2	35.2	52.8
148	59.2	53.0	79.6



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