Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

Quant Time: Sep 26 09:04:20 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	456457	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	437911	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	213520	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	189421	40.54	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.08%			
7) Chloroethane-d5	1.67	69	167430	46.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.72%			
11) 1,1-Dichloroethene-d2	2.26	63	254510	32.16	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 64.32%			
21) 2-Butanone-d5	4.15	46	415050	115.89	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.89%			
24) Chloroform-d	4.62	84	326151	48.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.02%			
26) 1,2-Dichloroethane-d4	5.29	65	227883	45.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.26%			
32) Benzene-d6	5.32	84	687120	50.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.24%			
36) 1,2-Dichloropropane-d6	6.31	67	245891	51.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.66%			
41) Toluene-d8	7.54	98	657105	50.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.78%			
43) trans-1,3-Dichloropropene-	7.83	79	105722	46.53	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.06%			
47) 2-Hexanone-d5	8.29	63	286180	120.10	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 120.10%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	337381	51.25	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.50%			
64) 1,2-Dichlorobenzene-d4	11.84	152	241002	53.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.66%			
Target Compounds						Qvalue
13) Acetone	2.31	43	194781	46.754	ug/L	94
15) Methyl Acetate	2.61	43	5432	0.976	ug/L #	81
16) Methylene chloride	2.68	84	51353	13.575	ug/L	94
22) 2-Butanone	4.25	43	70408	14.206	ug/L	97
33) Benzene	5.37	78	117679	7.748	ug/L	100
35) Methylcyclohexane	6.39	83	6648	1.044	ug/L #	69
42) Toluene	7.62	91	250507	15.262	ug/L	97
51) Chlorobenzene	9.10	112	24954	2.501	ug/L	92
52) Ethylbenzene	9.23	91	842887	45.602	ug/L	98
53) m,p-Xylene	9.35	106	1160351	177.241	ug/L	99
54) o-xylene	9.76	106	685371	105.845	ug/L	94
56) Isopropylbenzene	10.14	105	75371	4.317	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	11235	1.519	ug/L	88
63) 1,4-Dichlorobenzene	11.48	146	23355	3.101	ug/L	92
65) 1,2-Dichlorobenzene	11.86	146	173309	23.197	ug/L	98

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

Quant Time: Sep 26 09:04:20 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)

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
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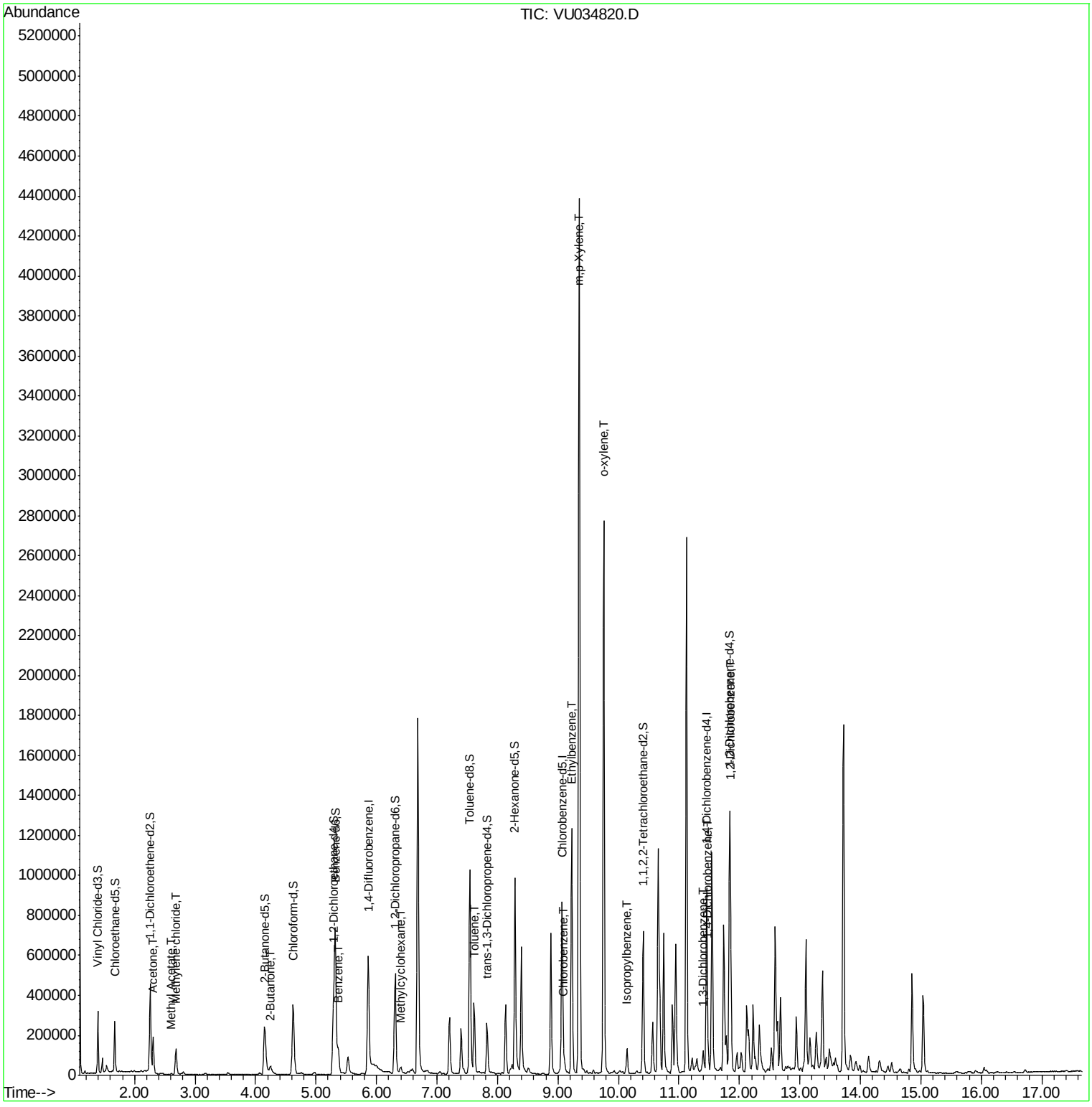
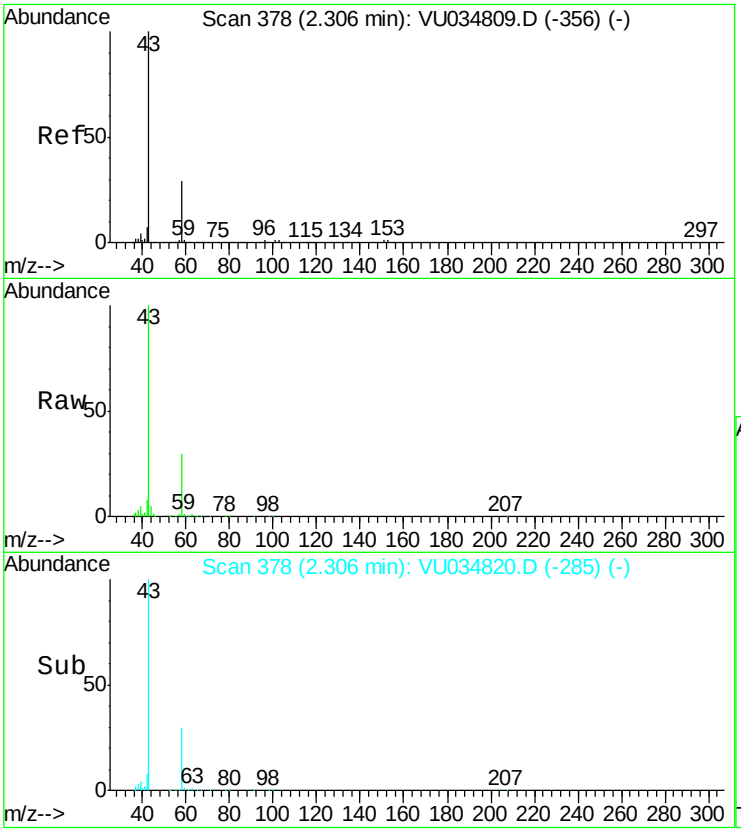
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration



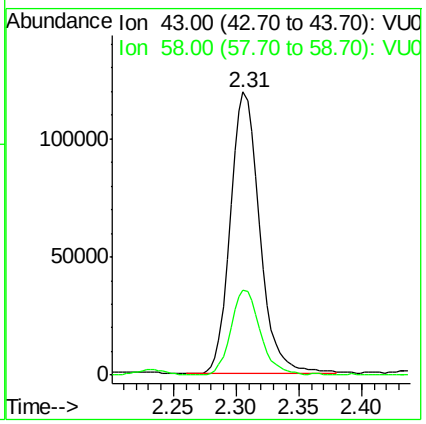


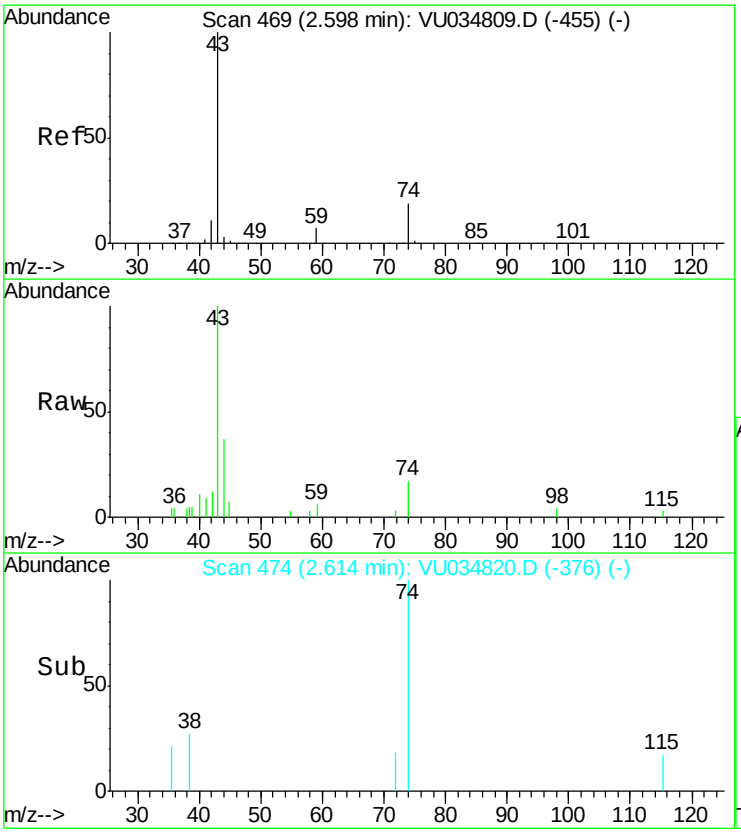
#13
Acetone
Concen: 46.754 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument :
MSVOA_U
ClientSampleId :
BFDJ3

Tgt Ion: 43 Resp: 194781

Ion	Ratio	Lower	Upper
43	100		
58	30.0	0.0	53.4

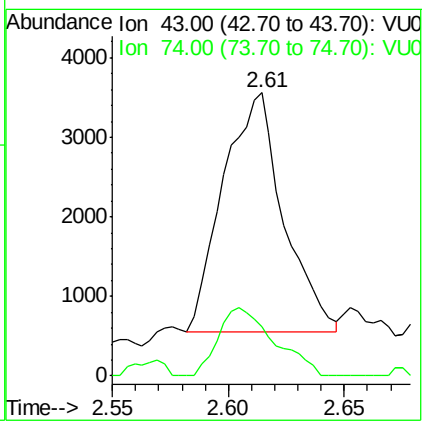


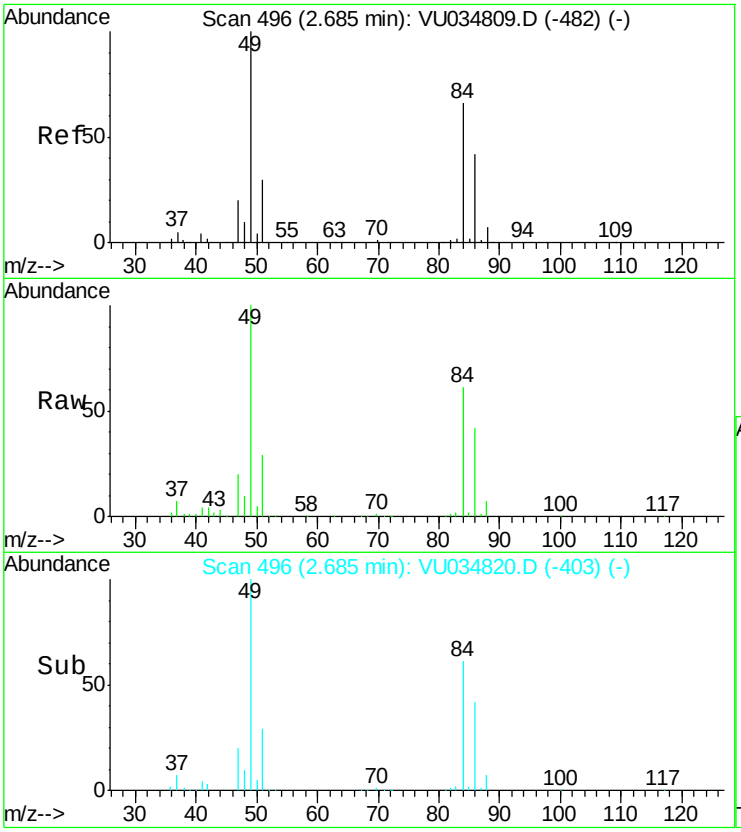


#15
Methyl Acetate
Concen: 0.976 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.02 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Tgt Ion: 43 Resp: 5432

Ion	Ratio	Lower	Upper
43	100		
74	26.5	14.4	21.6#



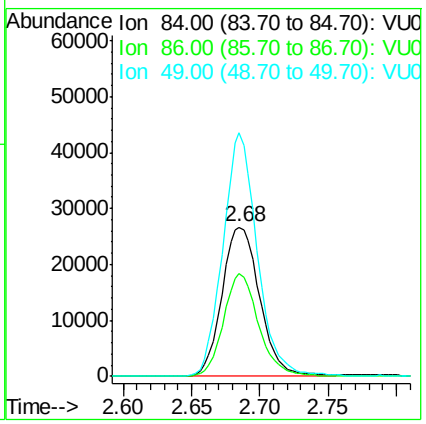


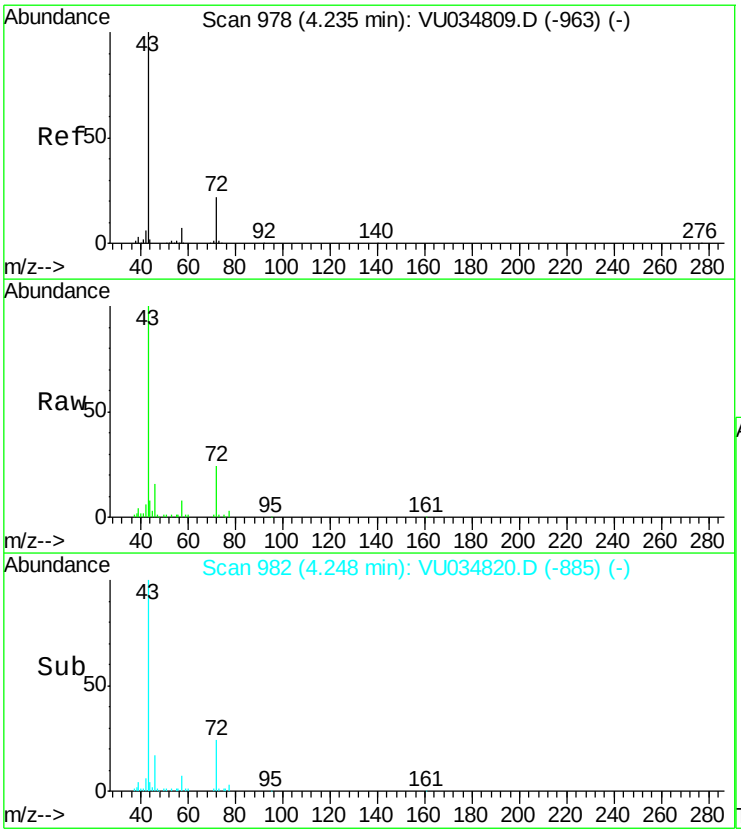
#16
Methylene chloride
Concen: 13.575 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument :
MSVOA_U
ClientSampleId :
BFDJ3

Tgt Ion: 84 Resp: 51353

Ion	Ratio	Lower	Upper
84	100		
86	68.6	43.0	80.0
49	163.5	109.7	203.7

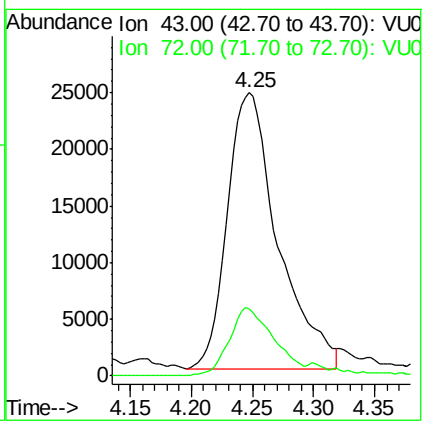


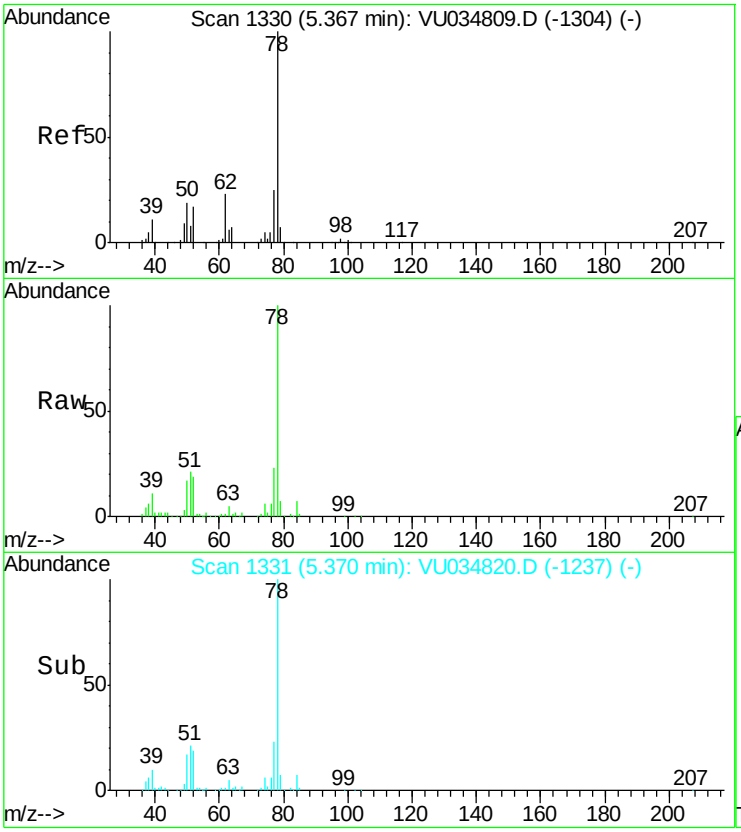


#22
2-Butanone
Concen: 14.206 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Tgt Ion: 43 Resp: 70408

Ion	Ratio	Lower	Upper
43	100		
72	21.9	10.2	30.6

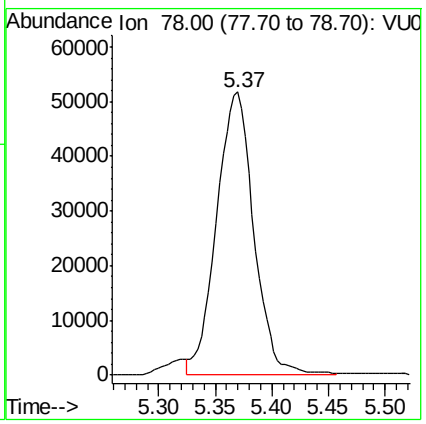


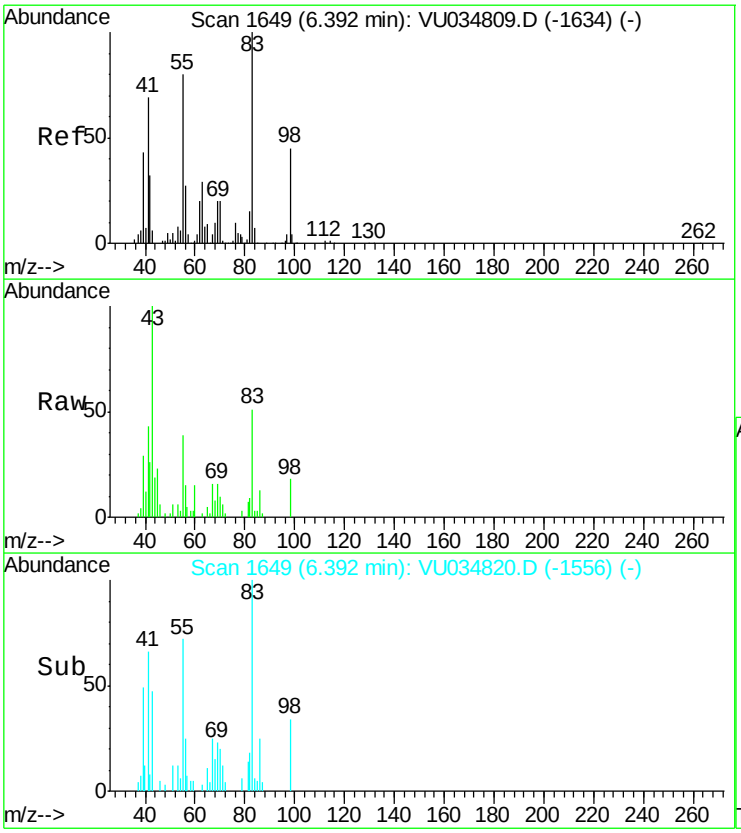


#33
Benzene
Concen: 7.748 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument :
MSVOA_U
ClientSampleId :
BFDJ3

Tgt Ion: 78 Resp: 117679

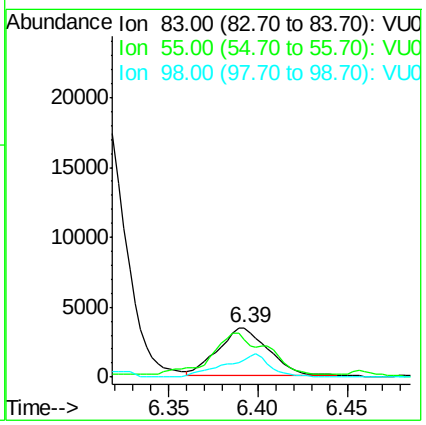


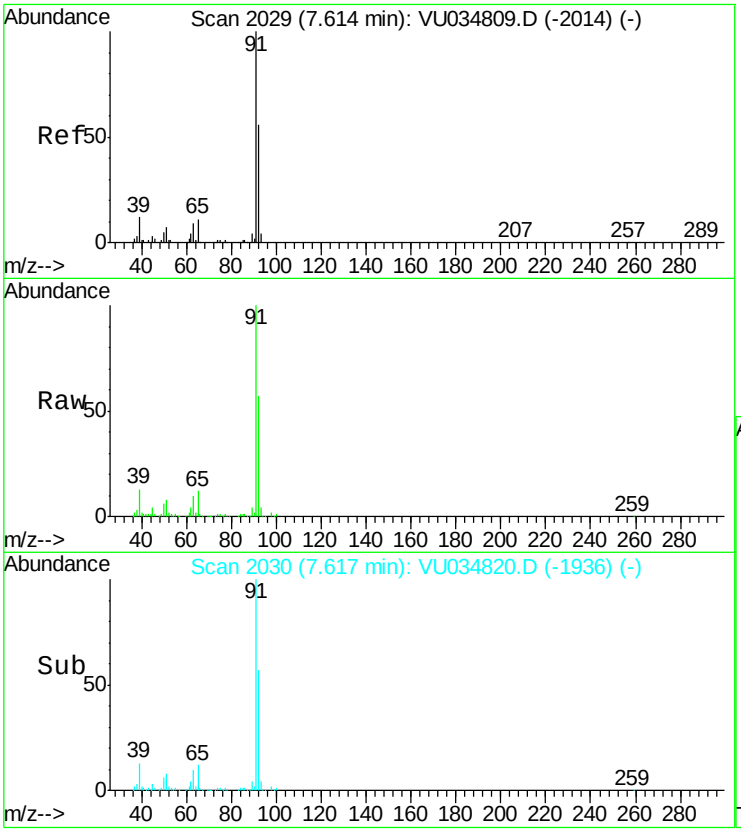


#35
Methylcyclohexane
Concen: 1.044 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Tgt Ion: 83 Resp: 6648

Ion	Ratio	Lower	Upper
83	100		
55	46.4	71.6	107.4#
98	43.4	35.7	53.5



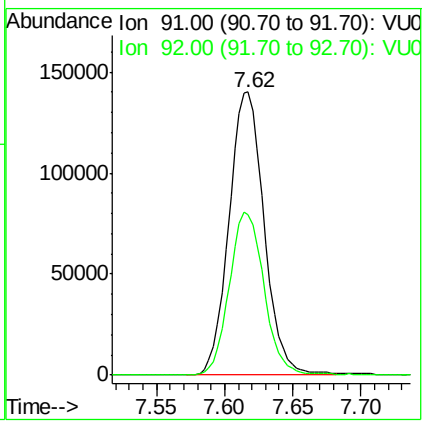


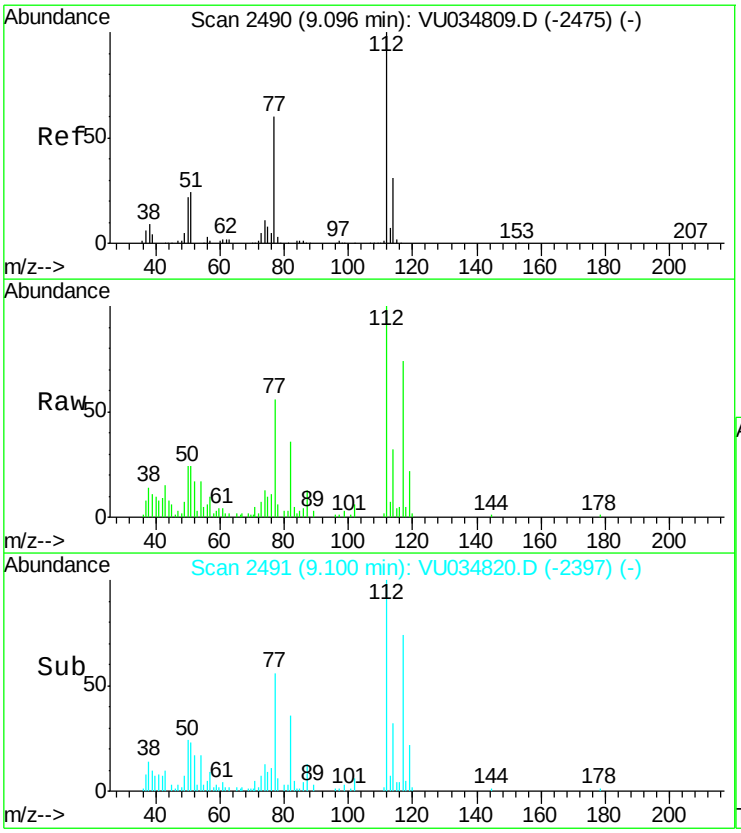
#42
Toluene
Concen: 15.262 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument : MSVOA_U
ClientSampleId : BFDJ3

Tgt Ion: 91 Resp: 250507

Ion	Ratio	Lower	Upper
91	100		
92	56.8	38.2	71.0

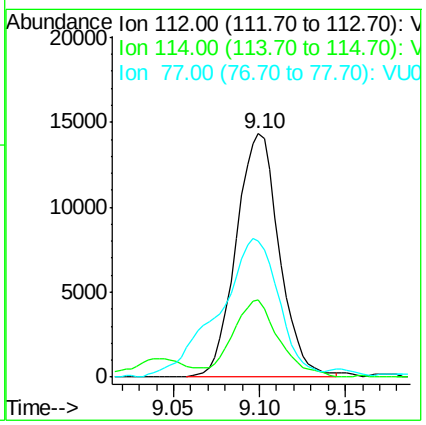


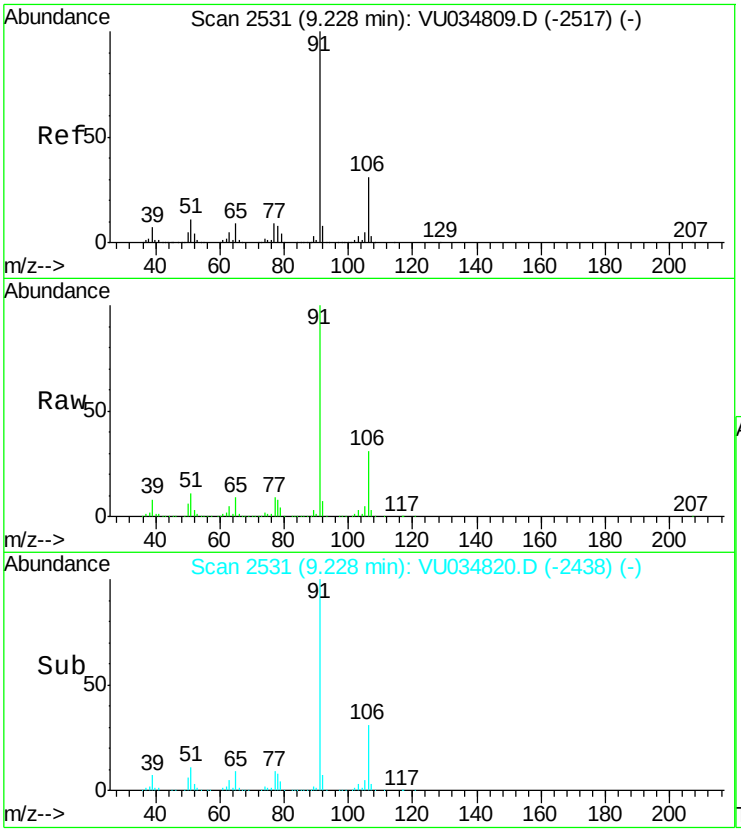


#51
Chlorobenzene
Concen: 2.501 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Tgt Ion:112 Resp: 24954

Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.8	42.4
77	55.6	51.5	77.3



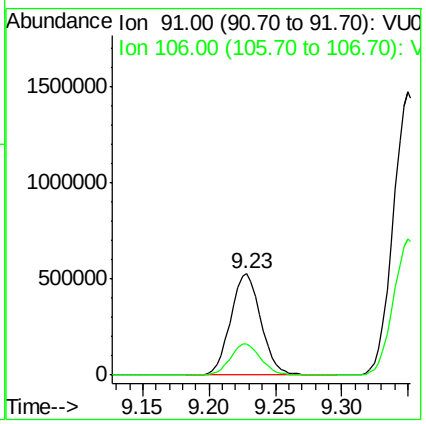


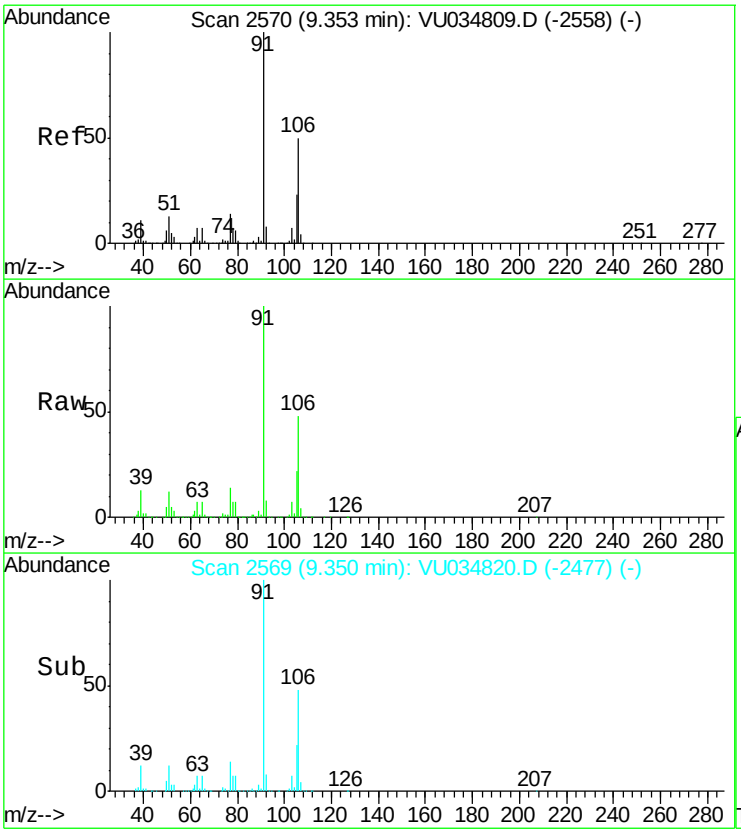
#52
Ethylbenzene
Concen: 45.602 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument : MSVOA_U
ClientSampleId : BFDJ3

Tgt Ion: 91 Resp: 842887

Ion	Ratio	Lower	Upper
91	100		
106	30.7	20.6	38.4

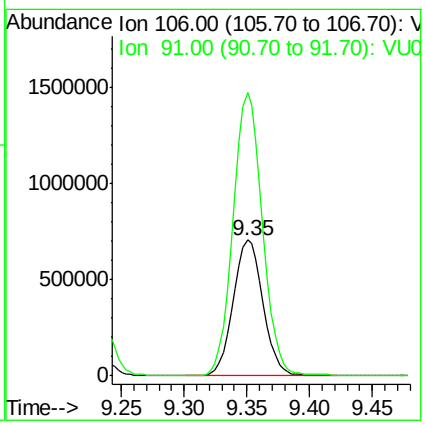


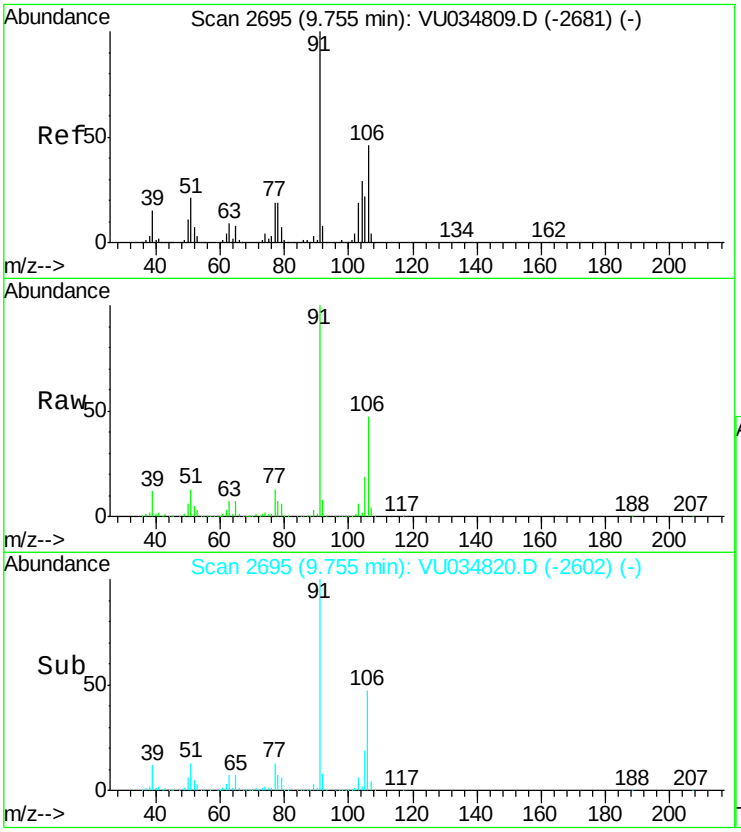


#53
m,p-Xylene
Concen: 177.241 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Tgt Ion:106 Resp: 1160351

Ion	Ratio	Lower	Upper
106	100		
91	208.6	146.9	272.7



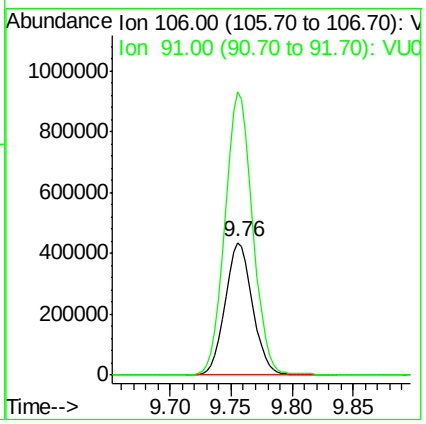


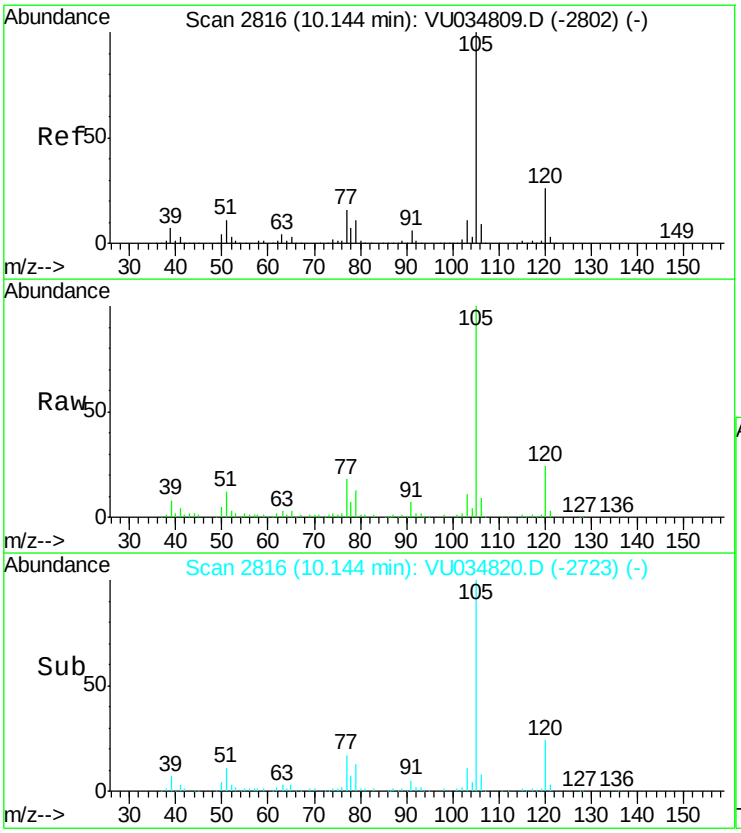
#54
o-xylene
Concen: 105.845 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument :
MSVOA_U
ClientSampleId :
BFDJ3

Tgt Ion:106 Resp: 685371

Ion	Ratio	Lower	Upper
106	100		
91	213.4	155.6	289.0

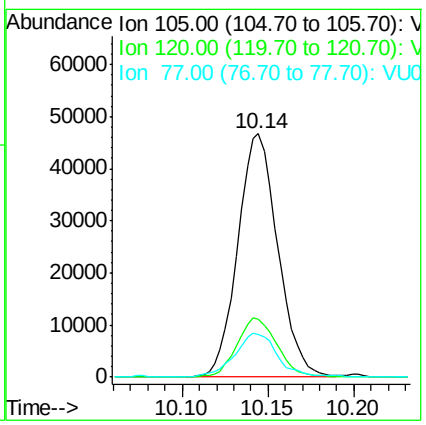


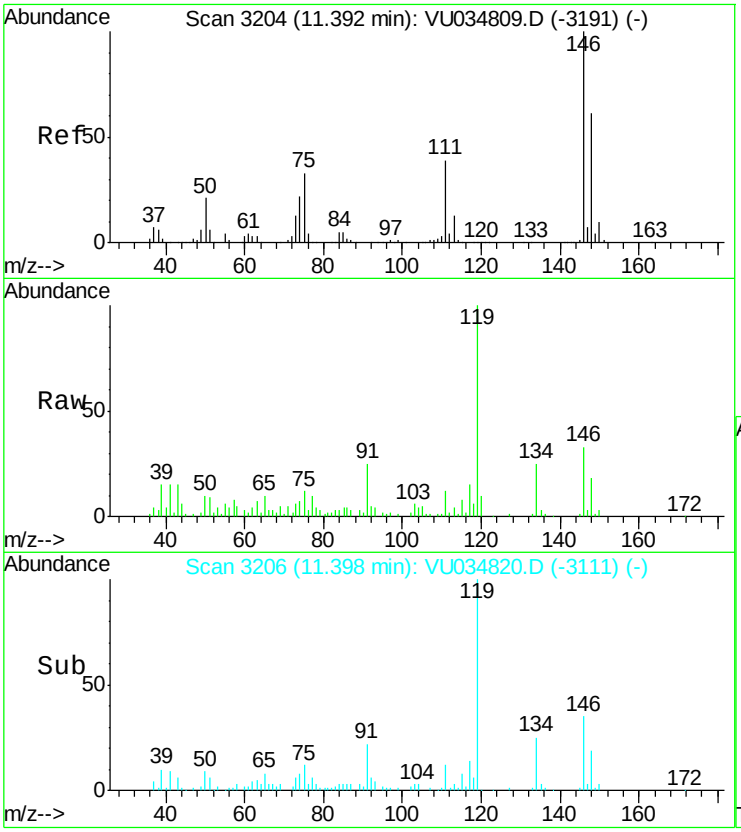


#56
Isopropylbenzene
Concen: 4.317 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Tgt Ion:105 Resp: 75371

Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.4	30.6
77	19.1	14.2	21.4



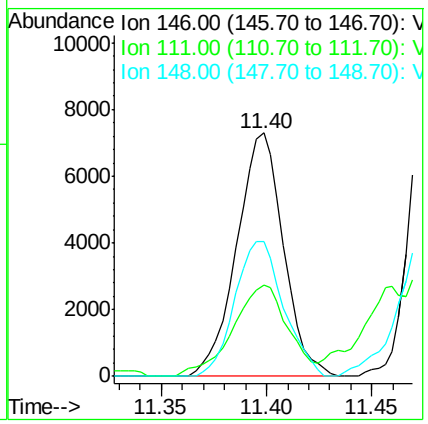


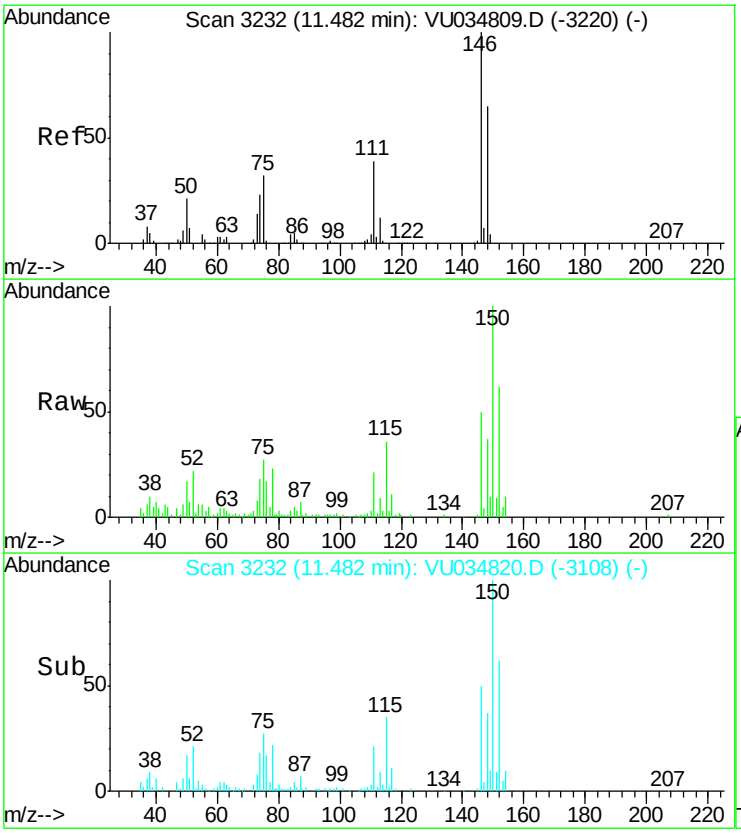
#62
1,3-Dichlorobenzene
Concen: 1.519 ug/L
RT: 11.40 min Scan# 3206
Delta R.T. 0.01 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument : MSVOA_U
ClientSampleId : BFDJ3

Tgt Ion:146 Resp: 11235

Ion	Ratio	Lower	Upper
146	100		
111	37.6	30.4	56.5
148	55.3	46.1	85.7

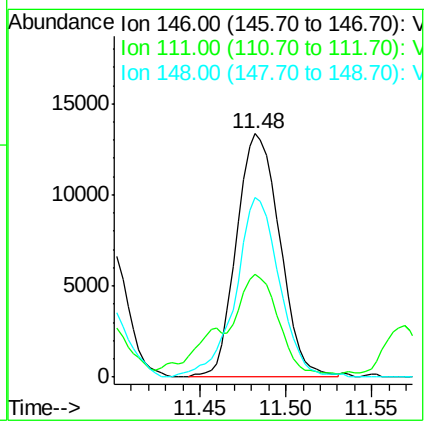


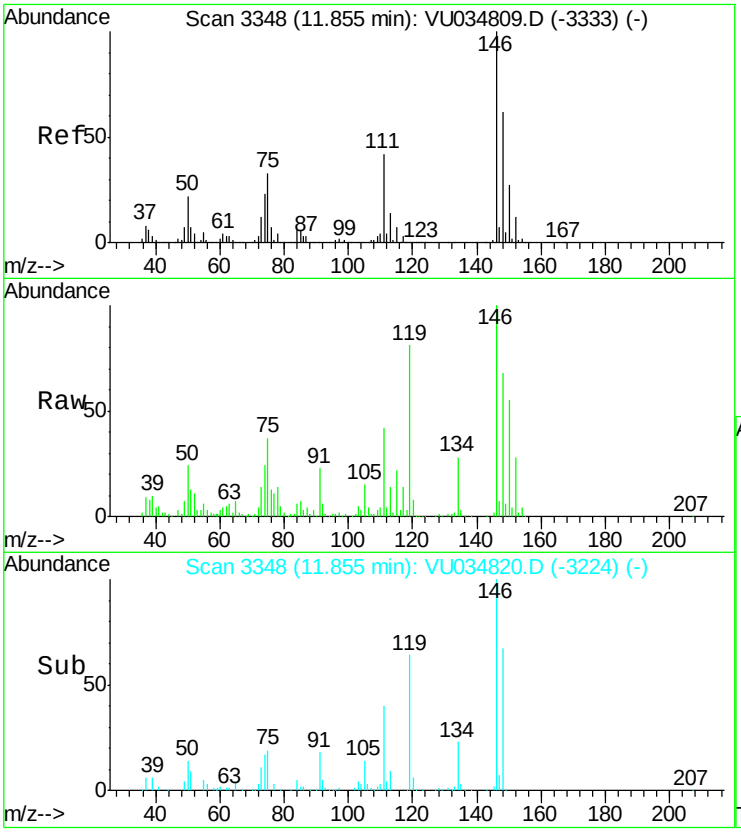


#63
1,4-Dichlorobenzene
Concen: 3.101 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Tgt Ion:146 Resp: 23355

Ion	Ratio	Lower	Upper
146	100		
111	42.2	29.5	54.9
148	73.6	44.4	82.4





#65
1,2-Dichlorobenzene
Concen: 23.197 ug/L
RT: 11.86 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034820.D
Acq: 25 Sep 2019 22:18

Instrument :
MSVOA_U
ClientSampleId :
BFDJ3

Tgt Ion:146 Resp: 173309

Ion	Ratio	Lower	Upper
146	100		
111	42.0	35.2	52.8
148	67.6	53.0	79.6