Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

Quant Time: Sep 20 05:45:02 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	493194	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	464784	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	220644	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	220815	43.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.46%			
7) Chloroethane-d5	1.67	69	177197	45.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.82%			
11) 1,1-Dichloroethene-d2	2.26	63	292196	34.17	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.34%			
21) 2-Butanone-d5	4.15	46	382772	98.92	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 98.92%			
24) Chloroform-d	4.62	84	346017	47.14	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.28%			
26) 1,2-Dichloroethane-d4	5.29	65	253812	47.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.08%			
32) Benzene-d6	5.32	84	692299	48.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.12%			
36) 1,2-Dichloropropane-d6	6.31	67	244519	48.56	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.12%			
41) Toluene-d8	7.54	98	657386	47.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.92%			
43) trans-1,3-Dichloropropene-	7.83	79	113661	47.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.26%			
47) 2-Hexanone-d5	8.29	63	258513	102.22	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.22%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	322905	46.22	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.44%			
64) 1,2-Dichlorobenzene-d4	11.84	152	231125	49.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.90%			
Target Compounds						Qvalue
13) Acetone	2.31	43	23823	5.292	ug/L	93
20) cis-1,2-Dichloroethene	4.21	96	4156	1.008	ug/L	99
29) Cyclohexane	4.97	56	8210	1.070	ug/L #	96
33) Benzene	5.37	78	30620	1.900	ug/L	100
34) Trichloroethene	6.16	95	76305	19.167	ug/L	97
35) Methylcyclohexane	6.39	83	9088	1.345	ug/L #	84
40) 4-Methyl-2-pentanone	7.44	43	42234	4.609	ug/L	99
42) Toluene	7.61	91	431076	24.744	ug/L	99
46) Tetrachloroethene	8.21	164	10515	3.755	ug/L	83
52) Ethylbenzene	9.23	91	345098	17.591	ug/L	97
53) m,p-Xylene	9.35	106	473785	68.185	ug/L	95
54) o-xylene	9.76	106	274290	39.911	ug/L	99
56) Isopropylbenzene	10.14	105	47249	2.550	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	8541	1.097	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	94975	12.302	ug/L	96

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

Quant Time: Sep 20 05:45:02 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)

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
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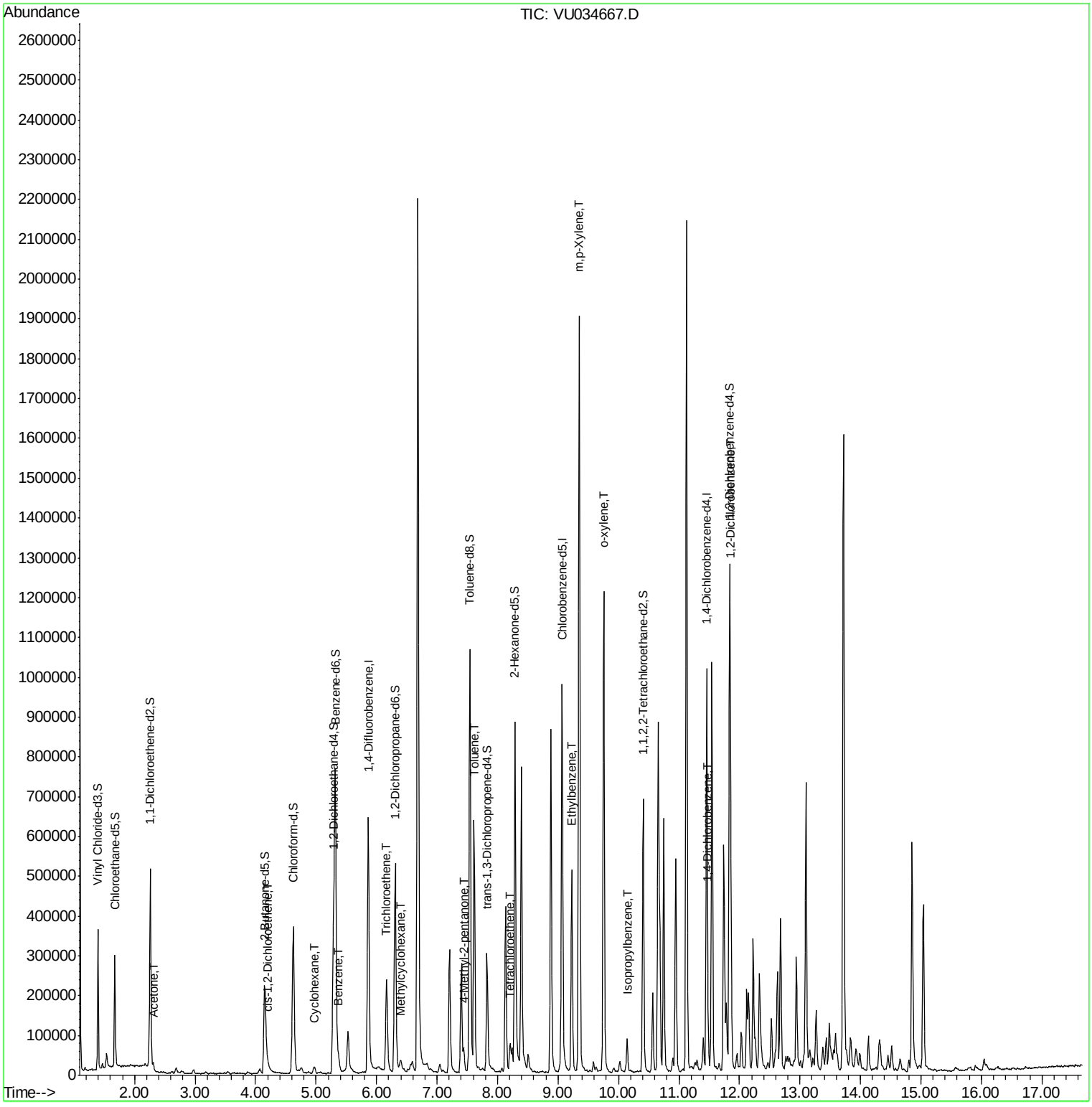
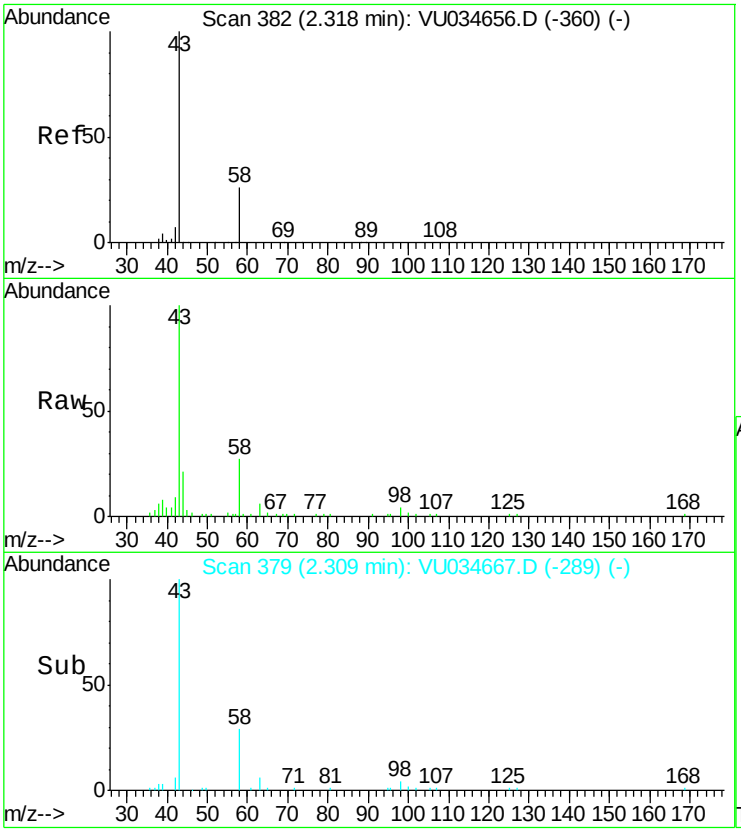
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration



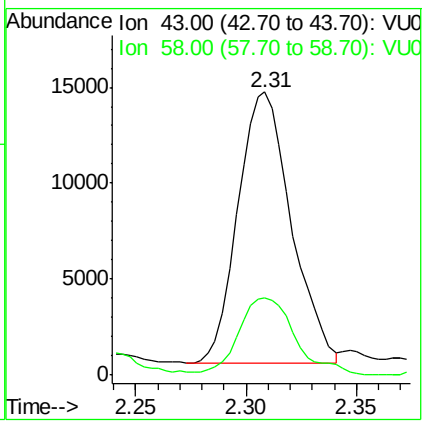


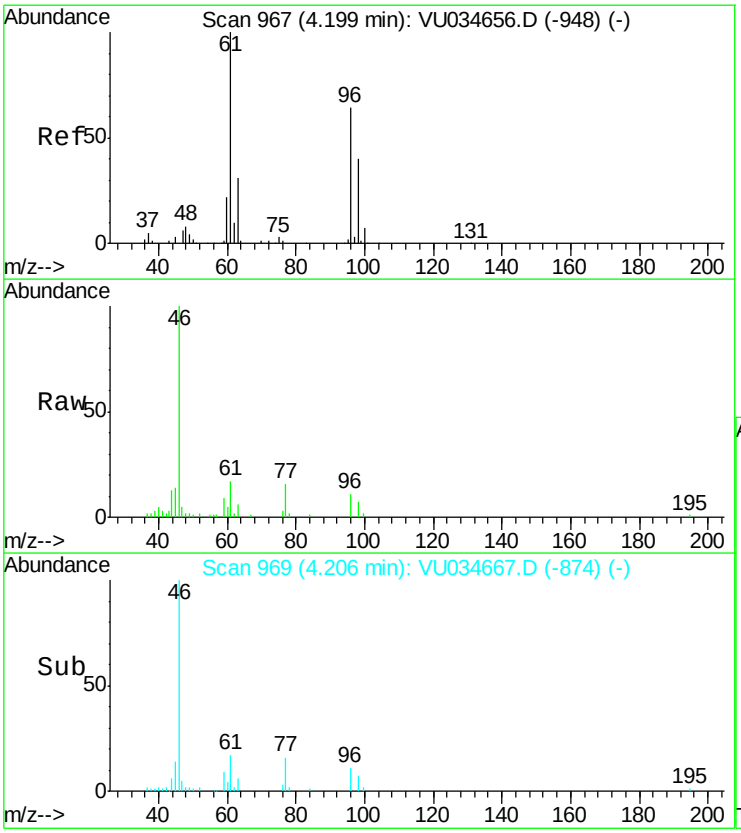
#13
Acetone
Concen: 5.292 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.01 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument : MSVOA_U
ClientSampleId : BFDJ1

Tgt Ion: 43 Resp: 23823

Ion	Ratio	Lower	Upper
43	100		
58	30.4	0.0	53.4

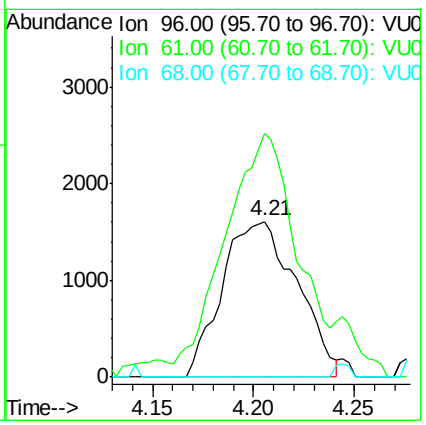


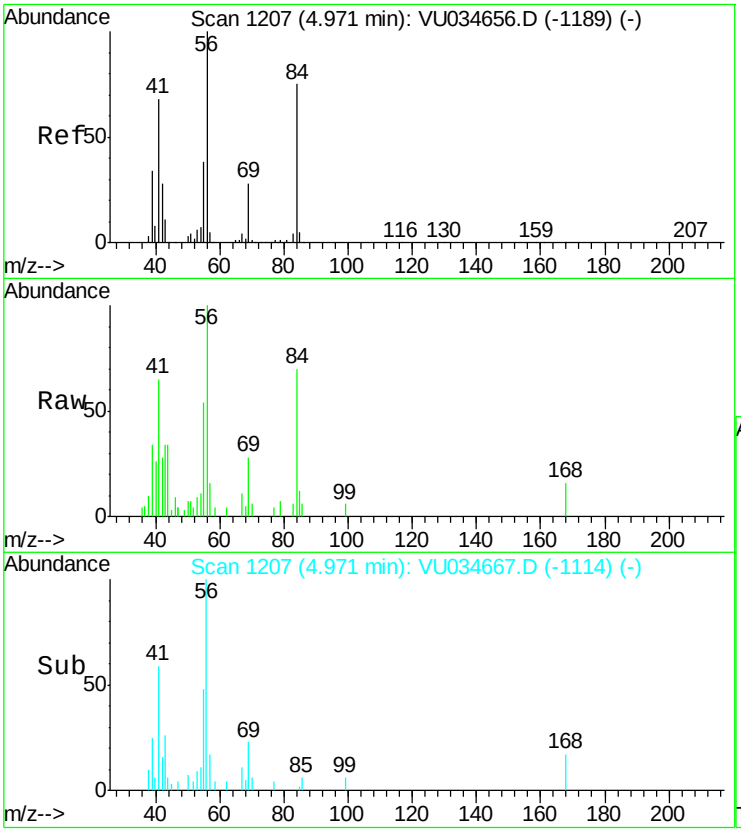


#20
cis-1,2-Dichloroethene
Concen: 1.008 ug/L
RT: 4.21 min Scan# 969
Delta R.T. 0.01 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Tgt Ion: 96 Resp: 4156

Ion	Ratio	Lower	Upper
96	100		
61	156.3	108.8	202.2
68	0.0	0.0	0.0



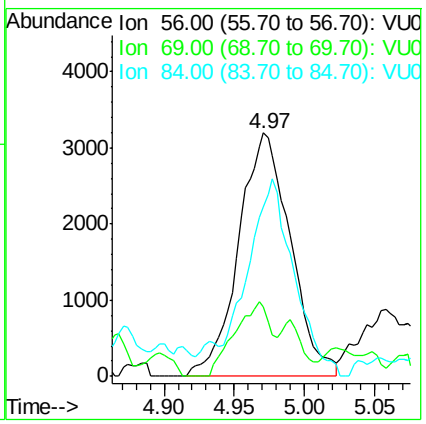


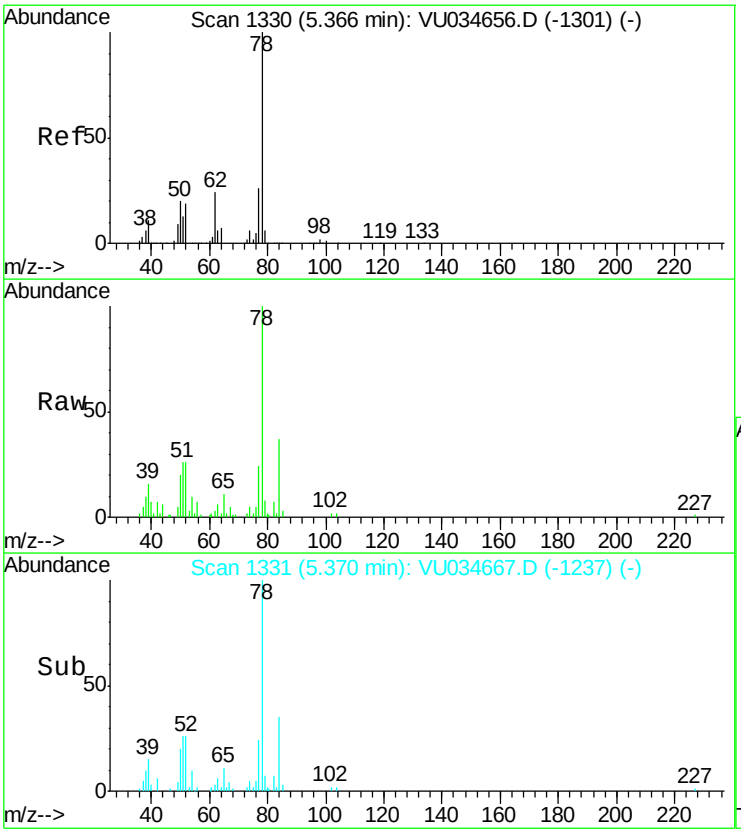
#29
Cyclohexane
Concen: 1.070 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument :
MSVOA_U
ClientSampleId :
BFDJ1

Tgt Ion: 56 Resp: 8210

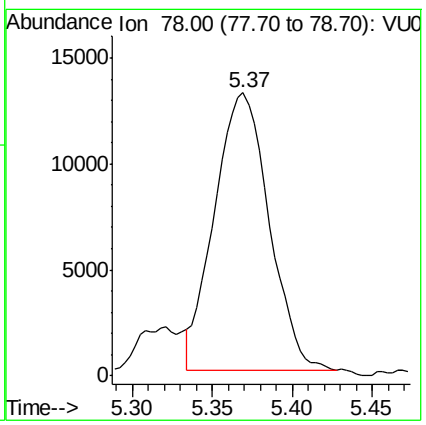
Ion	Ratio	Lower	Upper
56	100		
69	21.5	21.7	32.5#
84	72.5	58.8	88.2

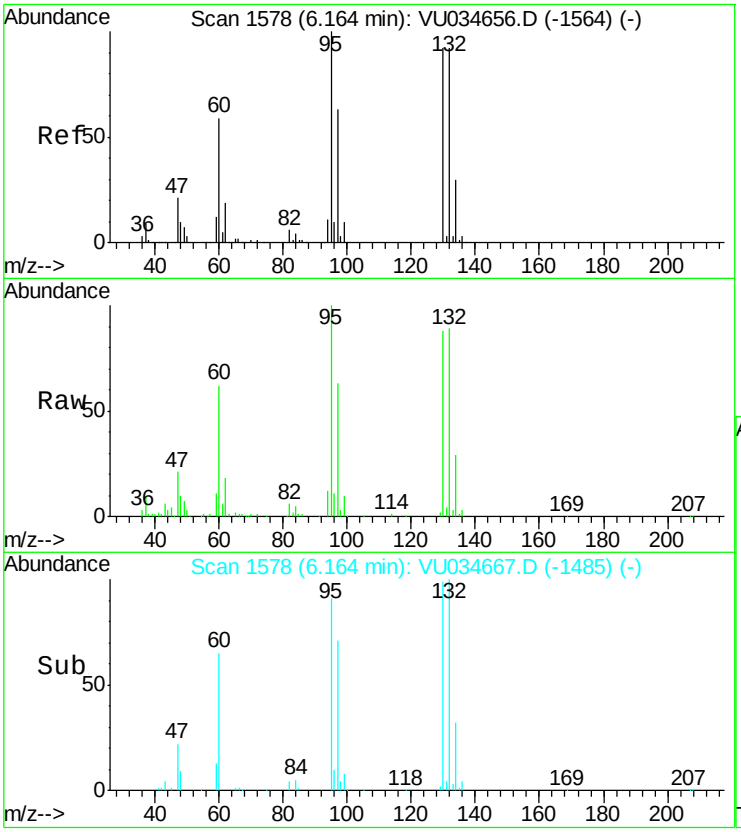




#33
Benzene
Concen: 1.900 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Tgt Ion: 78 Resp: 30620



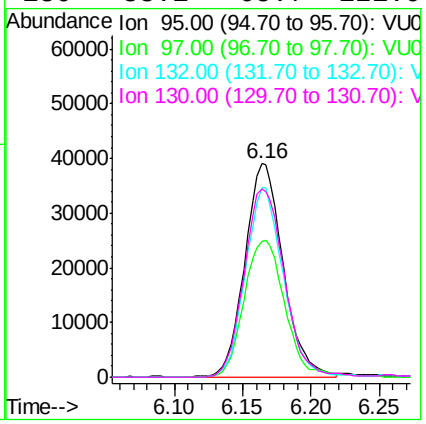


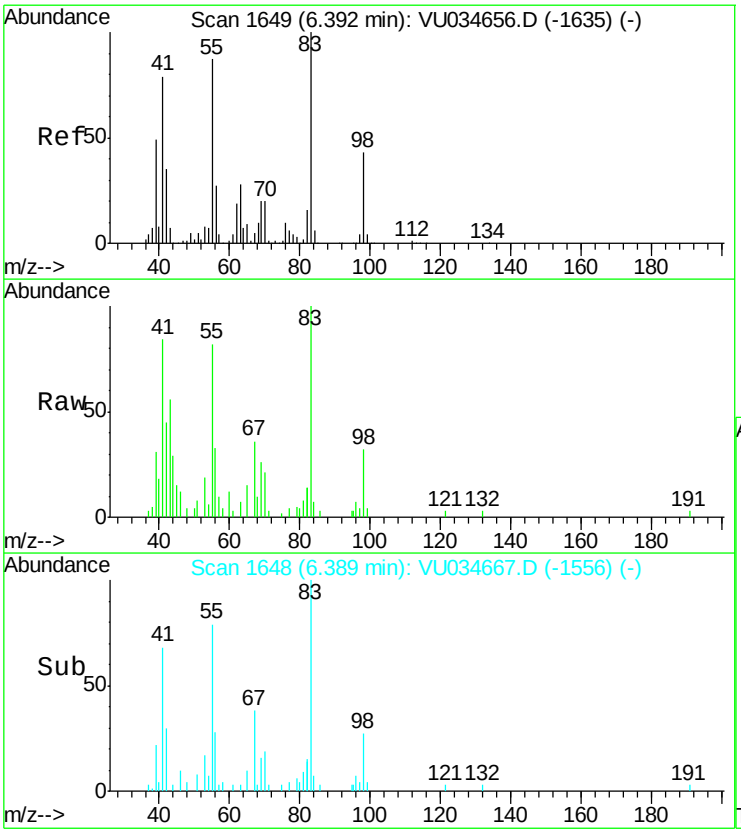
#34
Trichloroethene
Concen: 19.167 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument :
MSVOA_U
ClientSampleId :
BFDJ1

Tgt Ion: 95 Resp: 76305

Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.7	81.1
132	88.8	61.0	113.2
130	88.1	65.7	121.9

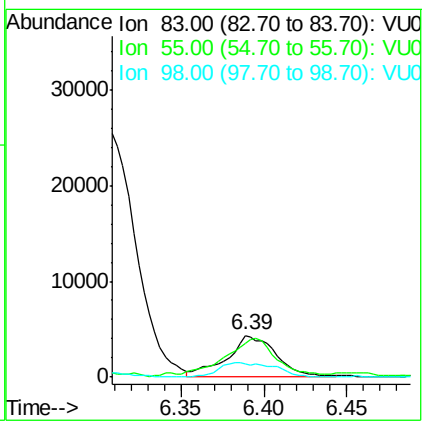


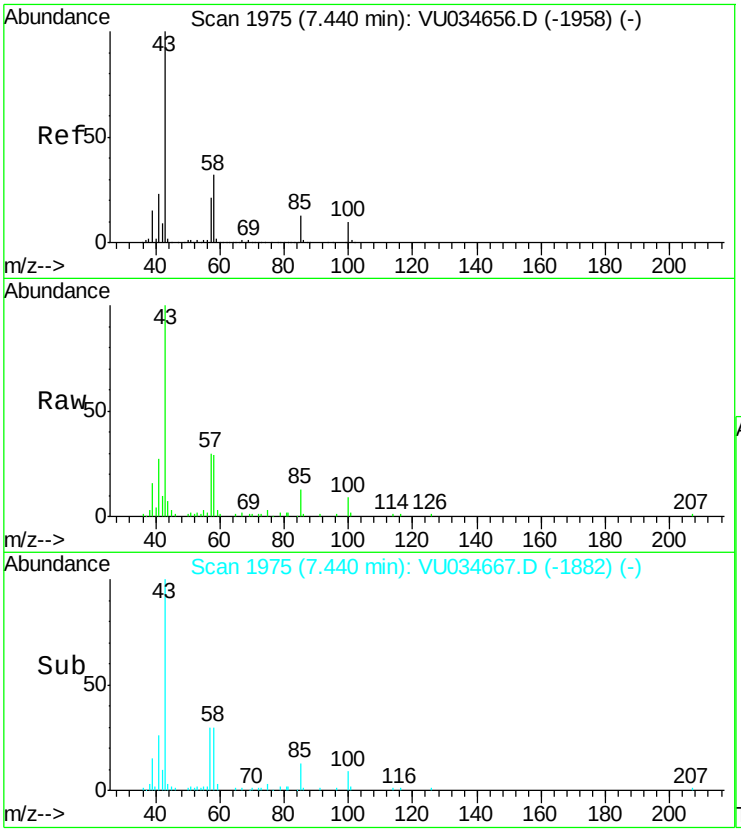


#35
Methylcyclohexane
Concen: 1.345 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Tgt Ion: 83 Resp: 9088

Ion	Ratio	Lower	Upper
83	100		
55	83.0	71.6	107.4
98	21.7	35.7	53.5#



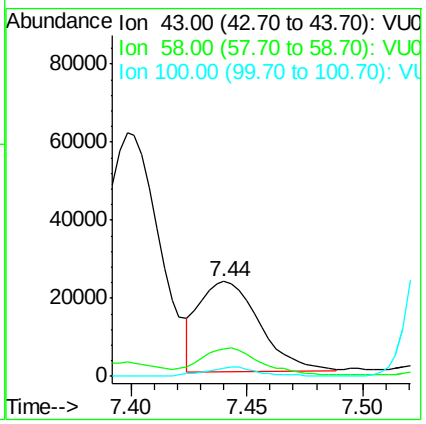


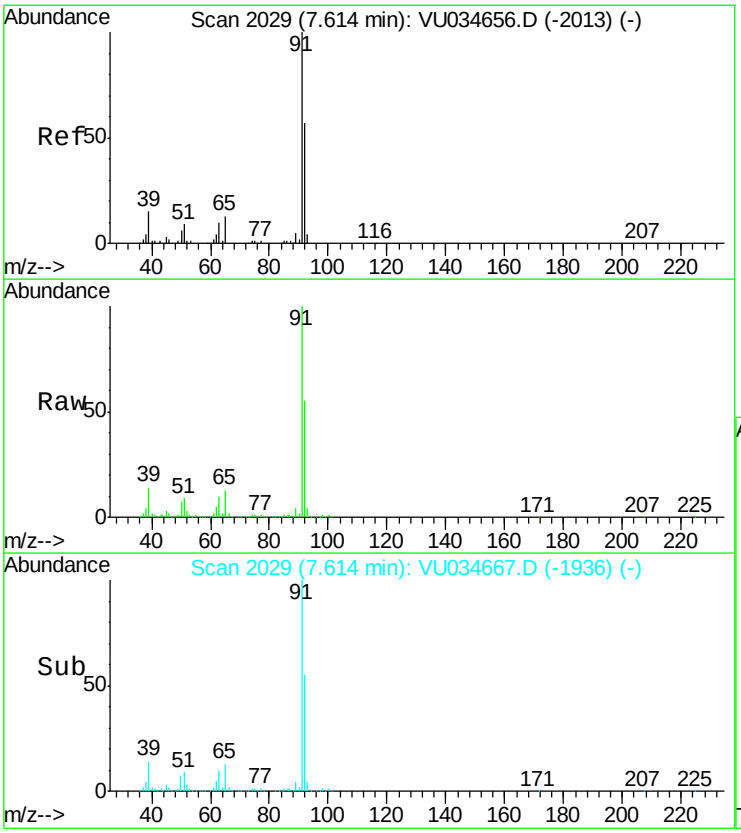
#40
4-Methyl-2-pentanone
Concen: 4.609 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument :
MSVOA_U
ClientSampleId :
BFDJ1

Tgt Ion: 43 Resp: 42234

Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.2	37.8
100	8.8	7.7	11.5

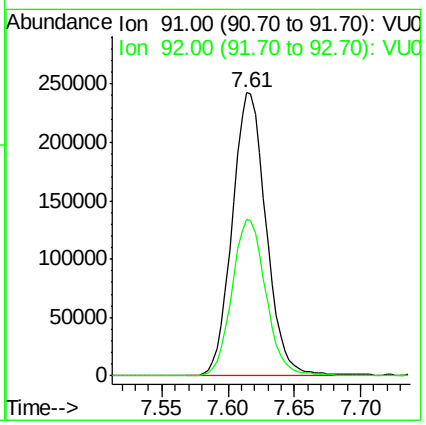


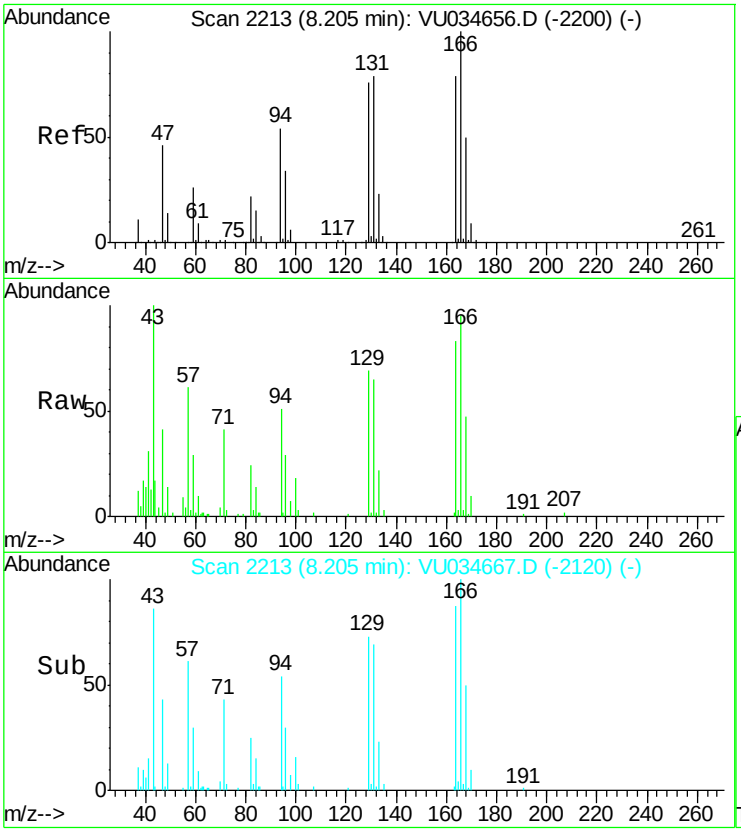


#42
Toluene
Concen: 24.744 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Tgt Ion: 91 Resp: 431076

Ion	Ratio	Lower	Upper
91	100		
92	55.2	38.2	71.0



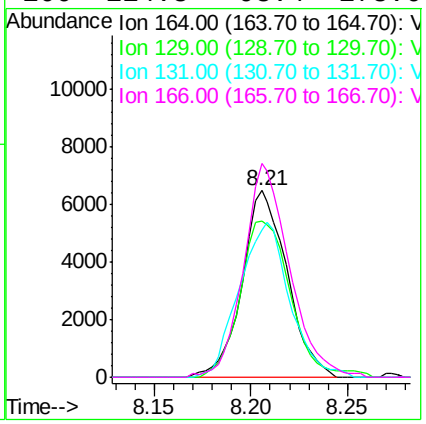


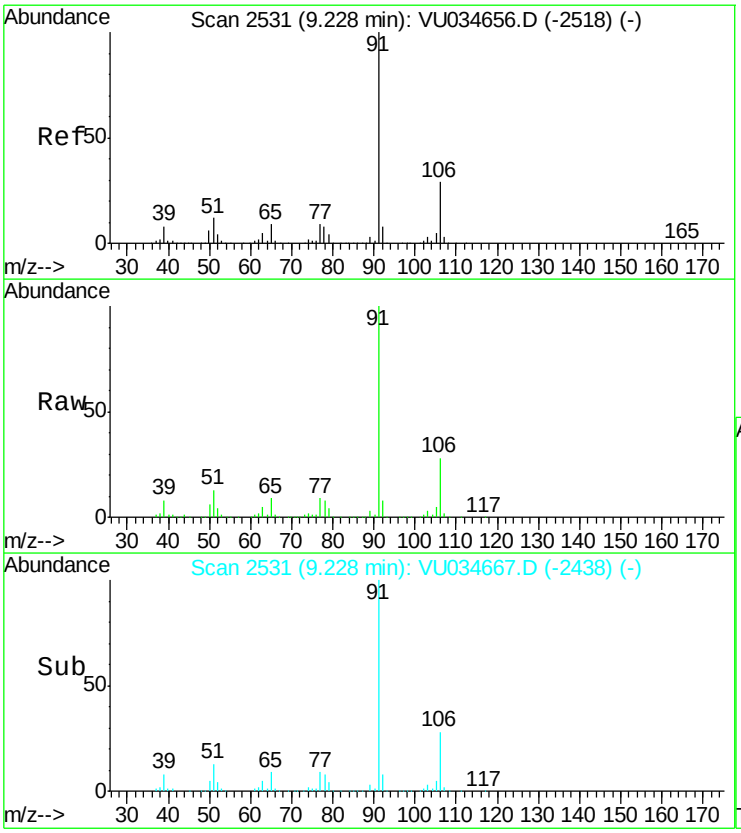
#46
Tetrachloroethene
Concen: 3.755 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument : MSVOA_U
ClientSampleId : BFDJ1

Tgt Ion:164 Resp: 10515

Ion	Ratio	Lower	Upper
164	100		
129	83.5	71.9	133.5
131	78.5	66.3	123.1
166	114.3	93.4	173.6

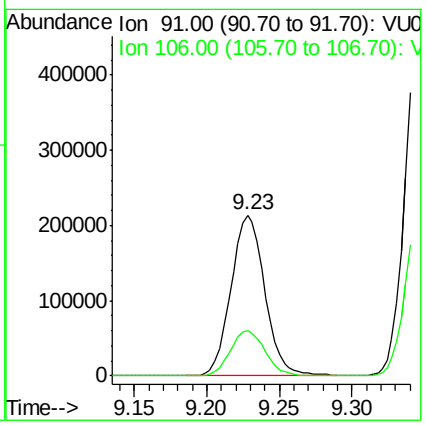


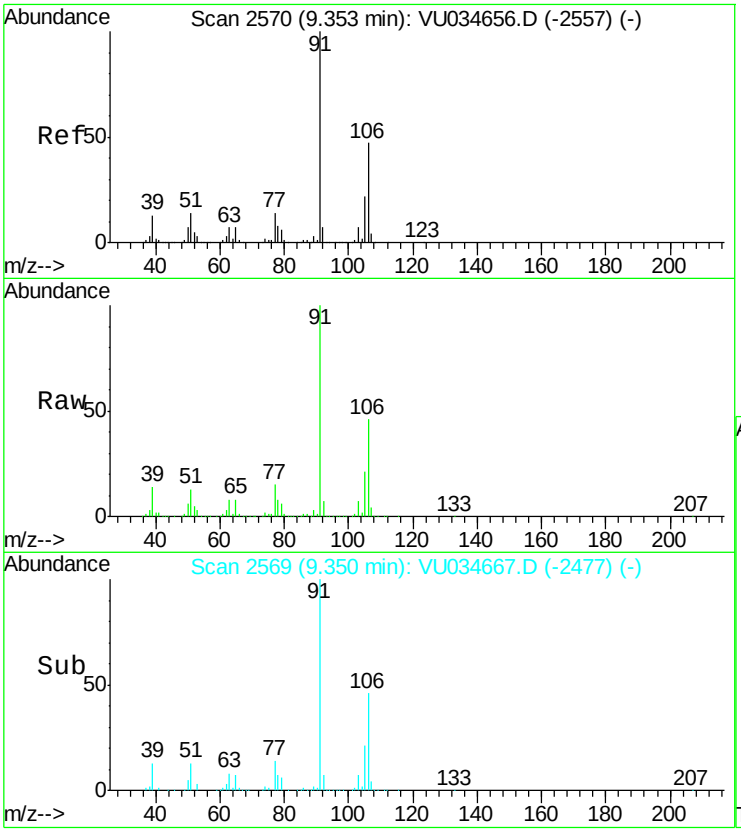


#52
Ethylbenzene
Concen: 17.591 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Tgt Ion: 91 Resp: 345098

Ion	Ratio	Lower	Upper
91	100		
106	28.0	20.6	38.4



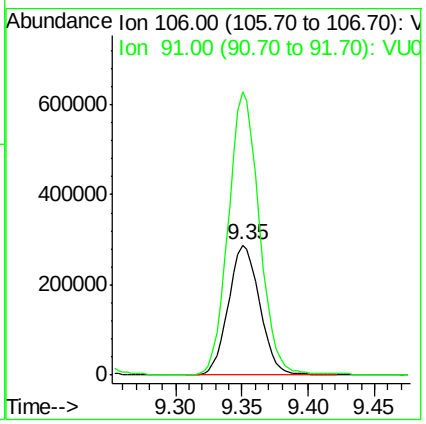


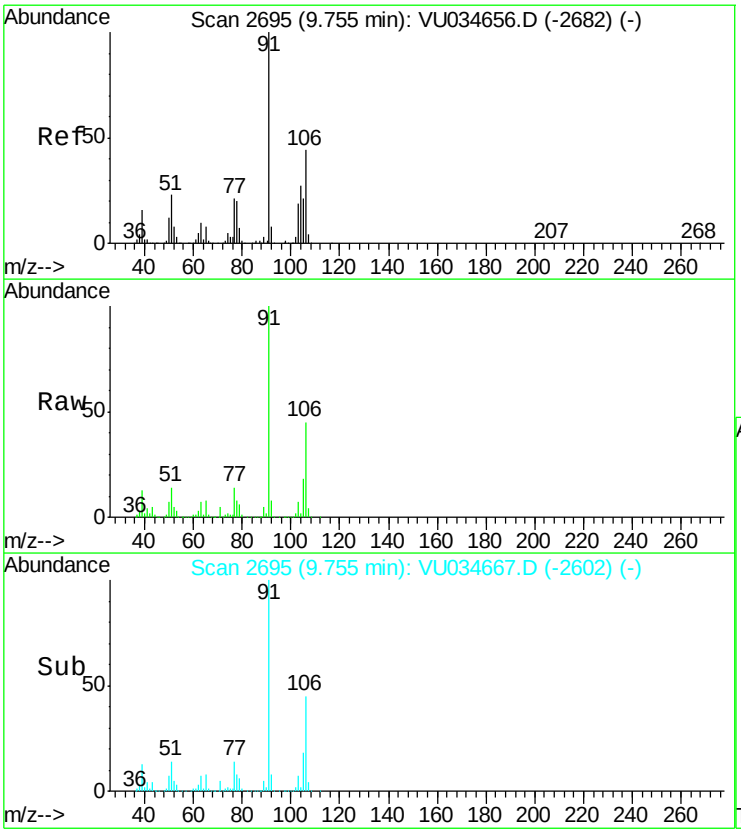
#53
m,p-Xylene
Concen: 68.185 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument :
MSVOA_U
ClientSampleId :
BFDJ1

Tgt Ion:106 Resp: 473785

Ion	Ratio	Lower	Upper
106	100		
91	218.1	146.9	272.7

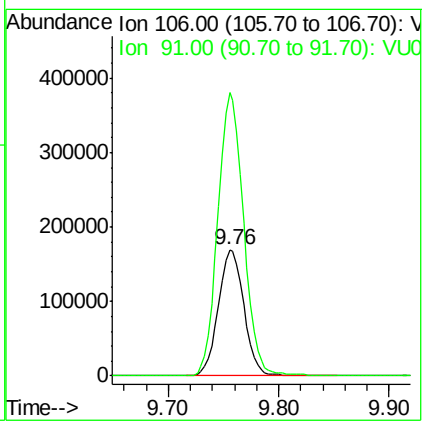


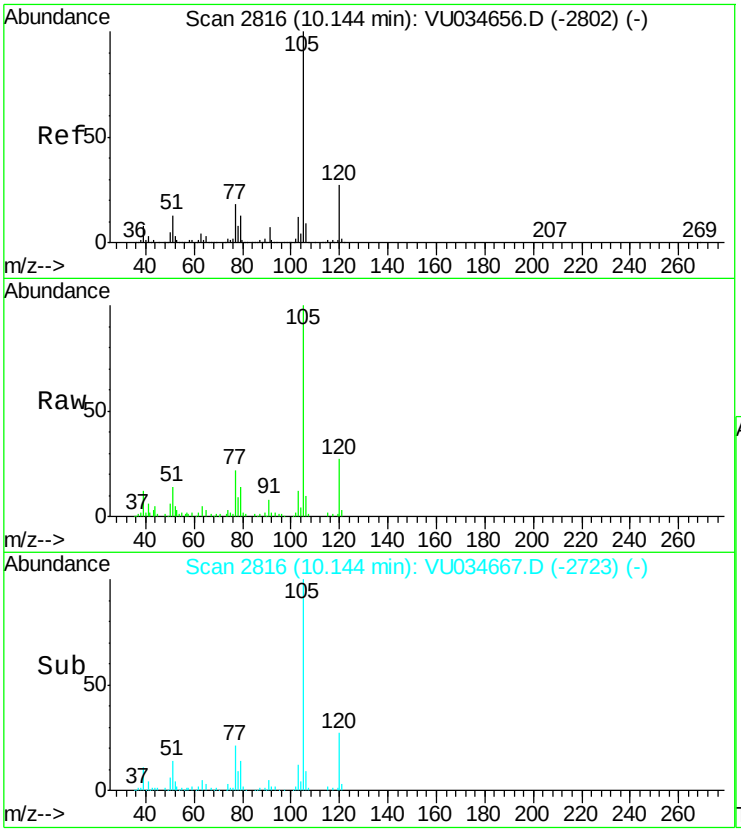


#54
o-xylene
Concen: 39.911 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Tgt Ion:106 Resp: 274290

Ion	Ratio	Lower	Upper
106	100		
91	223.6	155.6	289.0



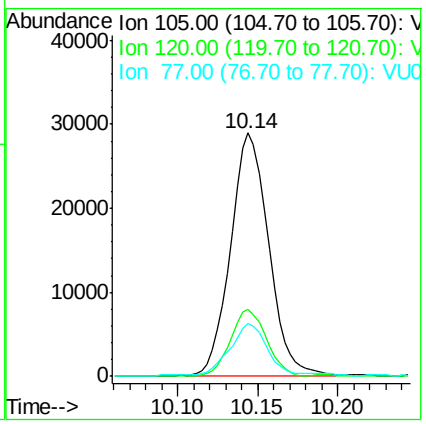


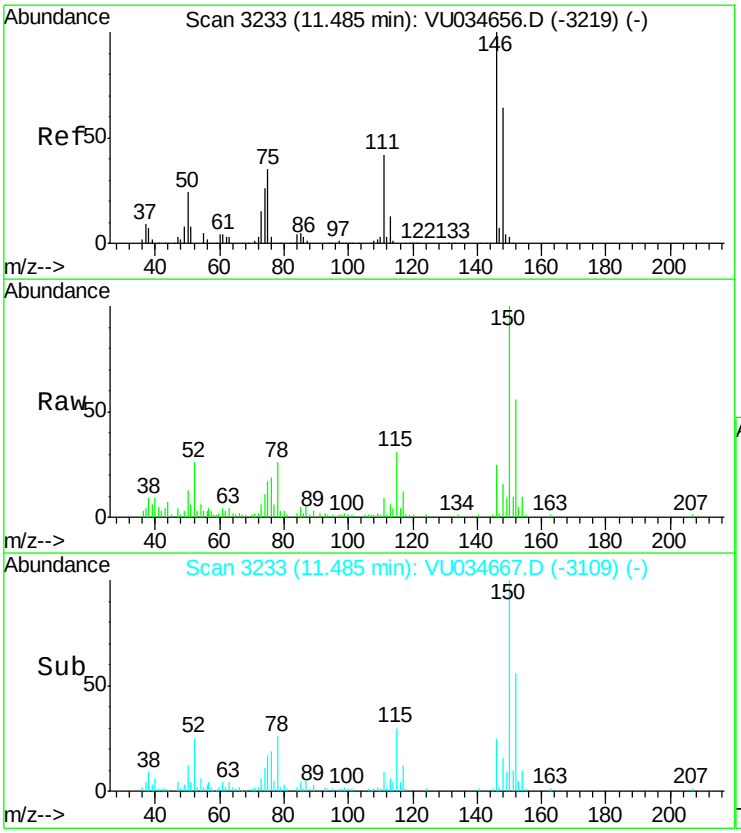
#56
Isopropylbenzene
Concen: 2.550 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument : MSVOA_U
ClientSampleId : BFDJ1

Tgt Ion:105 Resp: 47249

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.4	30.6
77	21.2	14.2	21.4

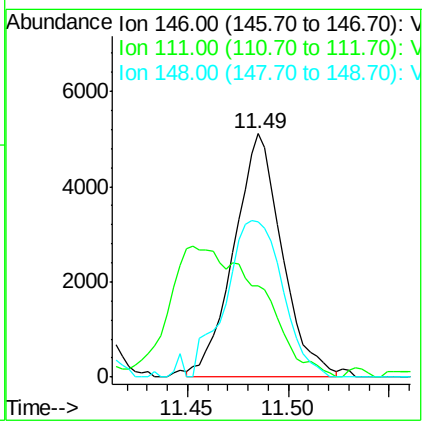


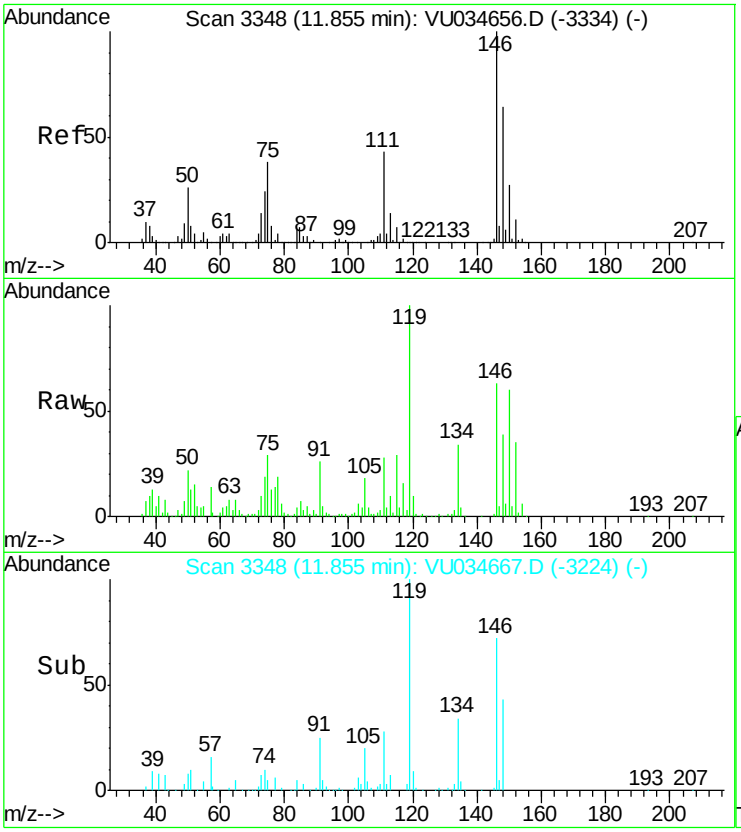


#63
1,4-Dichlorobenzene
Concen: 1.097 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Tgt Ion:146 Resp: 8541

Ion	Ratio	Lower	Upper
146	100		
111	37.3	29.5	54.9
148	63.8	44.4	82.4





#65
1,2-Dichlorobenzene
Concen: 12.302 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034667.D
Acq: 19 Sep 2019 23:23

Instrument :
MSVOA_U
ClientSampleId :
BFDJ1

Tgt Ion:146 Resp: 94975

Ion	Ratio	Lower	Upper
146	100		
111	43.7	35.2	52.8
148	60.8	53.0	79.6