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

Quantitation Report (Not Reviewed)

Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

Quant Time: Sep 26 07:01:10 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	461727	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	443914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	219811	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	195700	41.40	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.80%			
7) Chloroethane-d5	1.67	69	169782	46.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.94%			
11) 1,1-Dichloroethene-d2	2.37	63	172	0.02	ug/L	0.11
Spiked Amount 50.000	Range 60 - 125		Recovery = 0.04%#			
21) 2-Butanone-d5	4.15	46	403519	111.38	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 111.38%			
24) Chloroform-d	4.62	84	328932	47.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.74%			
26) 1,2-Dichloroethane-d4	5.28	65	228978	45.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.66%			
32) Benzene-d6	5.32	84	699855	50.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.72%			
36) 1,2-Dichloropropane-d6	6.31	67	245057	50.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.92%			
41) Toluene-d8	7.54	98	668986	51.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.22%			
43) trans-1,3-Dichloropropene-	7.83	79	105528	45.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.64%			
47) 2-Hexanone-d5	8.29	63	297310	123.09	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 123.09%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	335866	50.33	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 100.66%			
64) 1,2-Dichlorobenzene-d4	11.84	152	245374	53.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.46%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.26	96	2374	0.786	ug/L #	1
13) Acetone	2.31	43	123043	29.198	ug/L	96
15) Methyl Acetate	2.60	43	5503	0.978	ug/L #	90
16) Methylene chloride	2.68	84	80416	21.015	ug/L	91
22) 2-Butanone	4.25	43	30587	6.101	ug/L	91
29) Cyclohexane	4.97	56	15970	2.180	ug/L	95
33) Benzene	5.37	78	396721	25.768	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	24349	2.782	ug/L #	95
42) Toluene	7.61	91	1860248	111.801	ug/L	99
51) Chlorobenzene	9.10	112	15680	1.550	ug/L	95
52) Ethylbenzene	9.23	91	1458001	77.815	ug/L	97
53) m,p-Xylene	9.35	106	1896291	285.738	ug/L	97
54) o-xylene	9.76	106	1003389	152.862	ug/L	97
55) Styrene	9.76	104	54674	4.921	ug/L #	1
56) Isopropylbenzene	10.14	105	105573	5.965	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	10211	1.341	ug/L	88
63) 1,4-Dichlorobenzene	11.48	146	20941	2.701	ug/L	96

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

Quantitation Report (Not Reviewed)

Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

Quant Time: Sep 26 07:01:10 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)
65) 1,2-Dichlorobenzene	11.85	146	221540	28.803	ug/L		97
66) 1,2-Dibromo-3-chloropropan	12.68	75	1795	1.098	ug/L	#	10
69) Naphthalene	13.72	128	1639160	118.054	ug/L		99

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

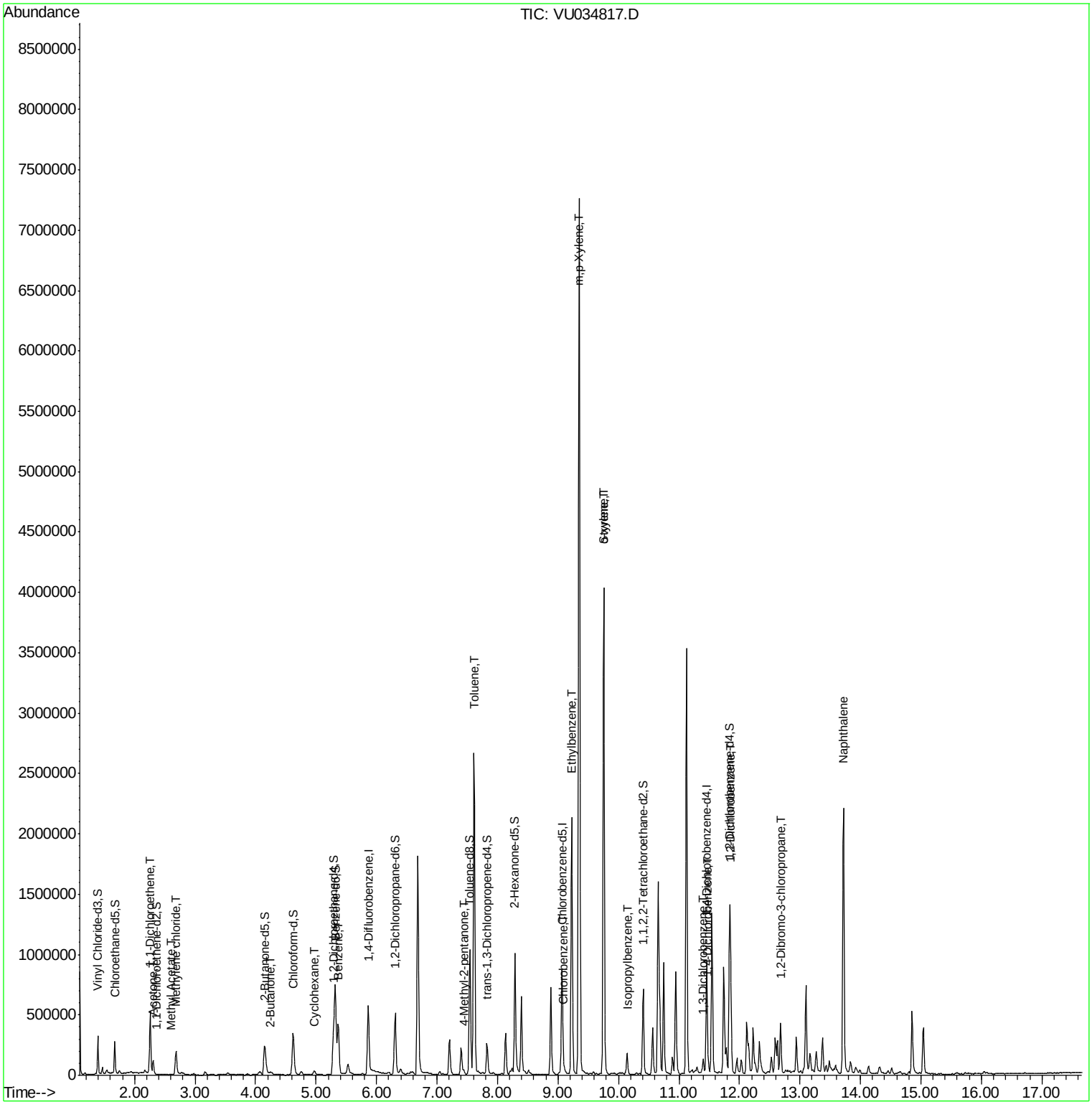
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\

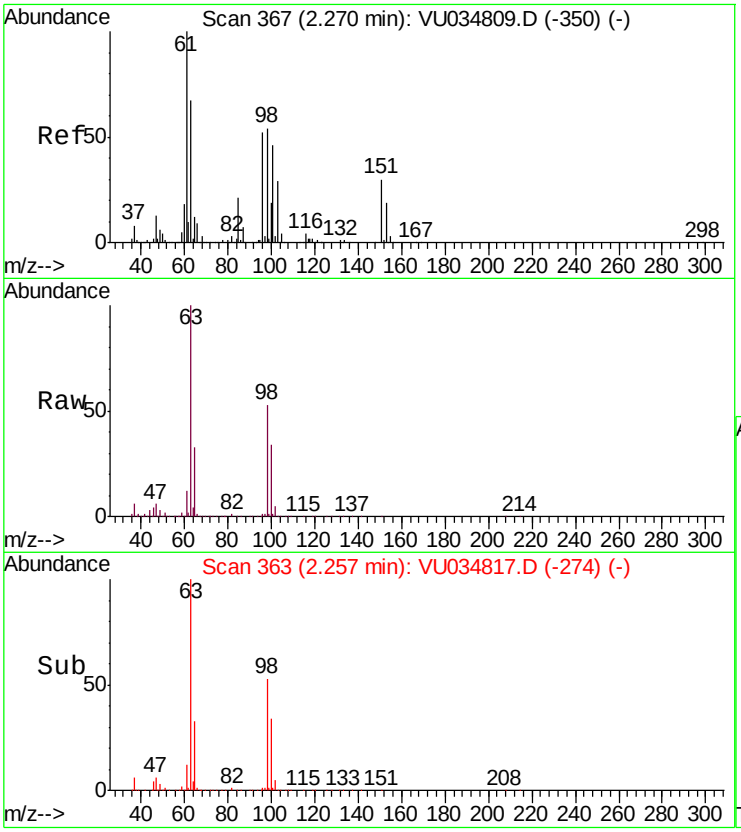
Quantitation Report (Not Reviewed)

Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM2

Quant Time: Sep 26 07:01:10 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



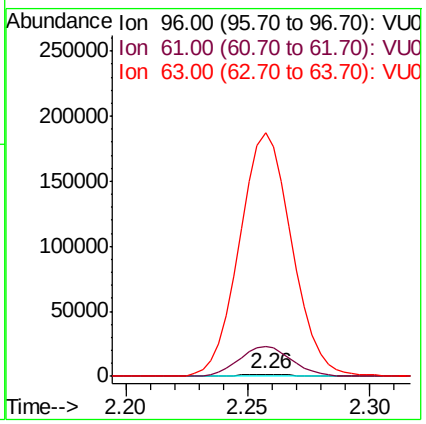


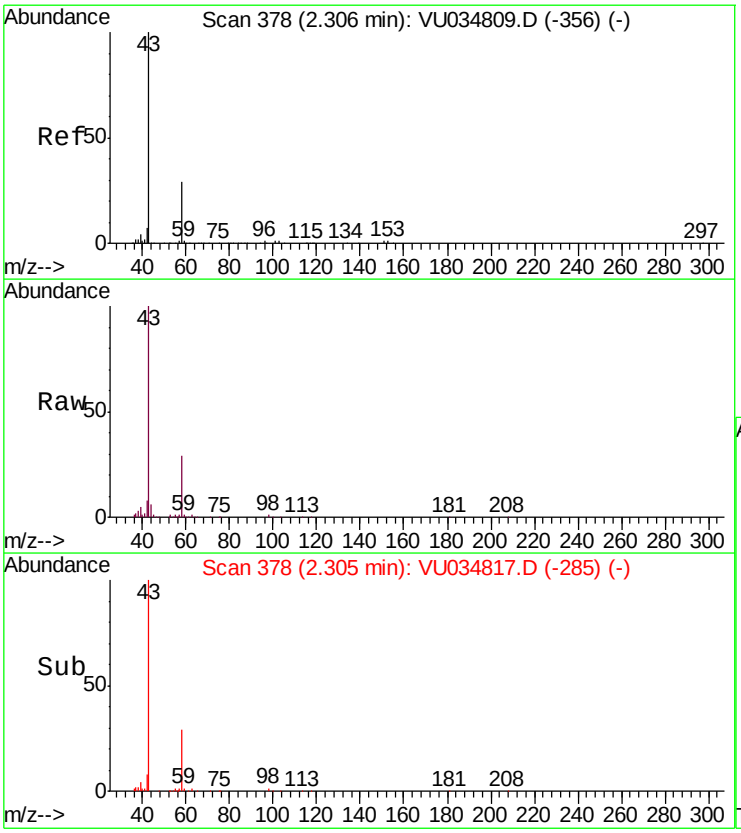
#12
1,1-Dichloroethene
Concen: 0.786 ug/L
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument : MSVOA_U
ClientSampleId : BFDM2

Tgt Ion: 96 Resp: 2374

Ion	Ratio	Lower	Upper
96	100		
61	1633.0	153.2	284.4#
63	13095.6	113.8	211.3#

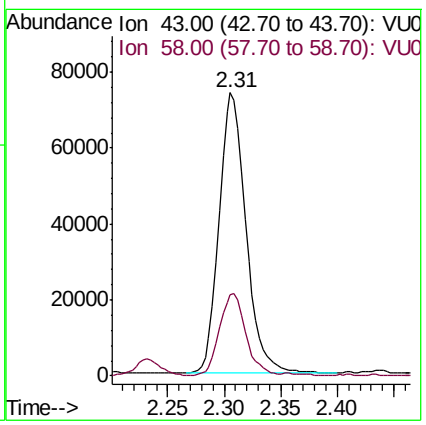


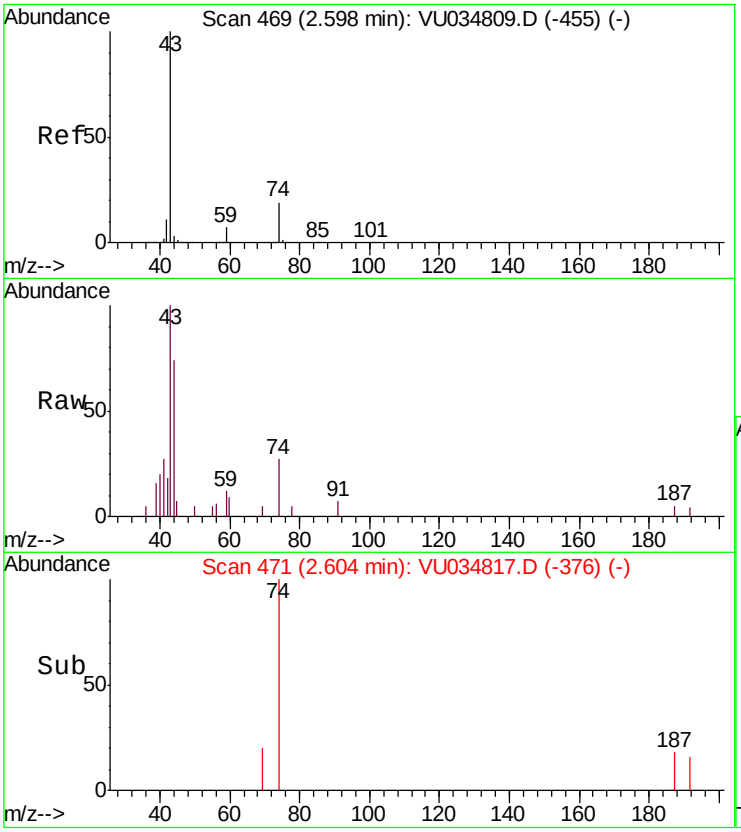


#13
Acetone
Concen: 29.198 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion: 43 Resp: 123043

Ion	Ratio	Lower	Upper
43	100		
58	28.9	0.0	53.4



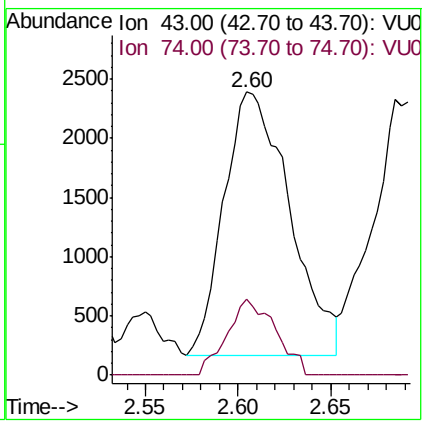


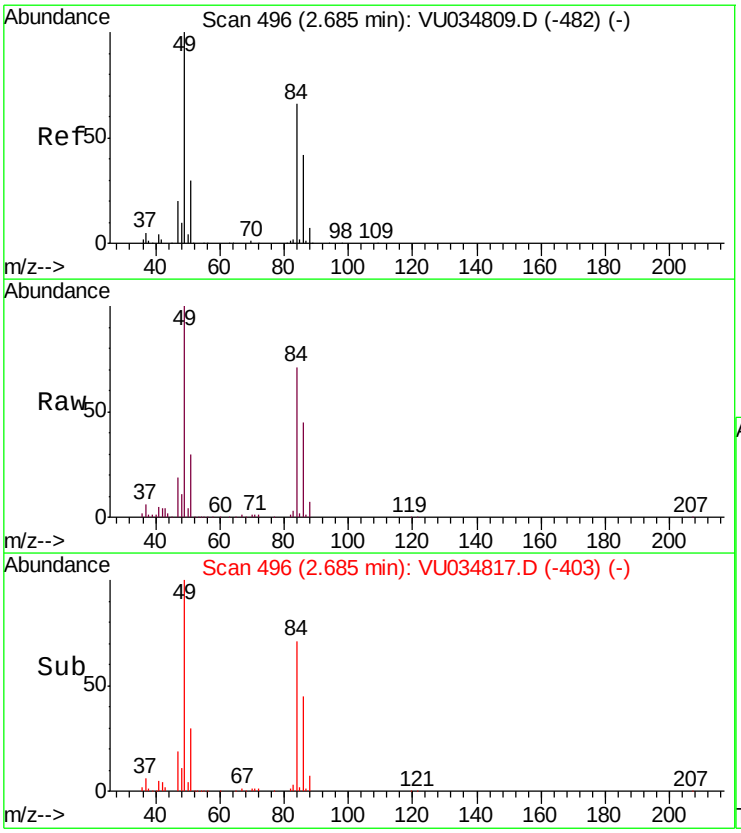
#15
Methyl Acetate
Concen: 0.978 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument : MSVOA_U
ClientSampleId : BFDM2

Tgt Ion: 43 Resp: 5503

Ion	Ratio	Lower	Upper
43	100		
74	13.6	14.4	21.6#

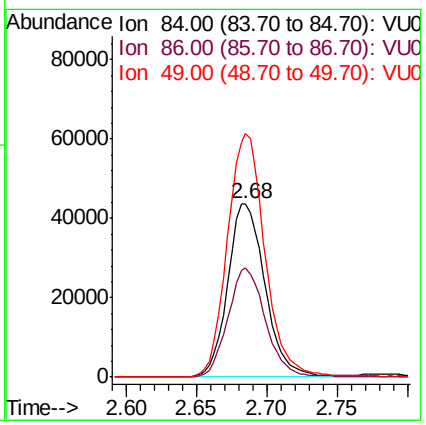


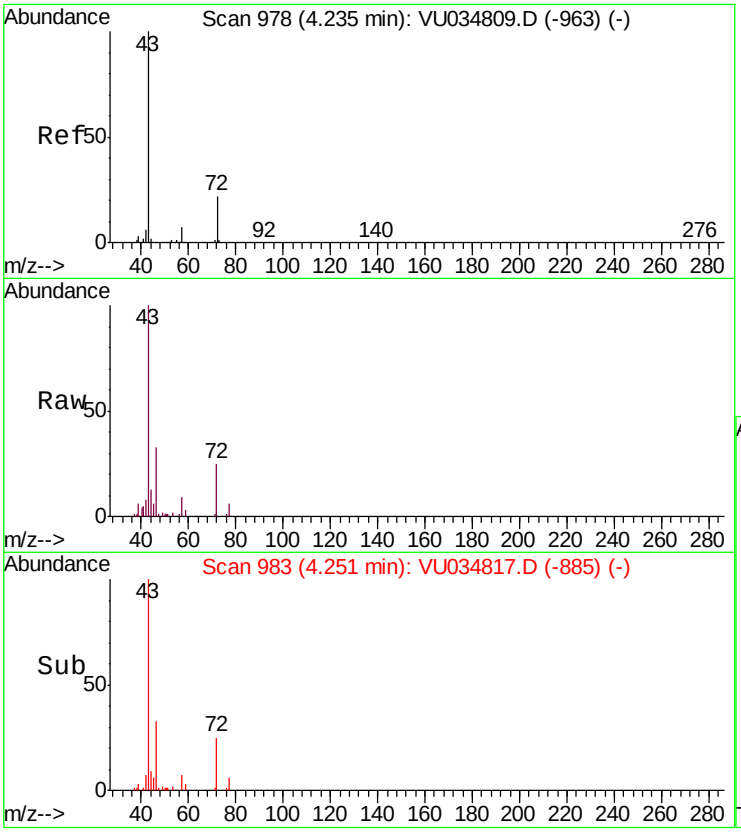


#16
Methylene chloride
Concen: 21.015 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion: 84 Resp: 80416

Ion	Ratio	Lower	Upper
84	100		
86	63.0	43.0	80.0
49	140.5	109.7	203.7



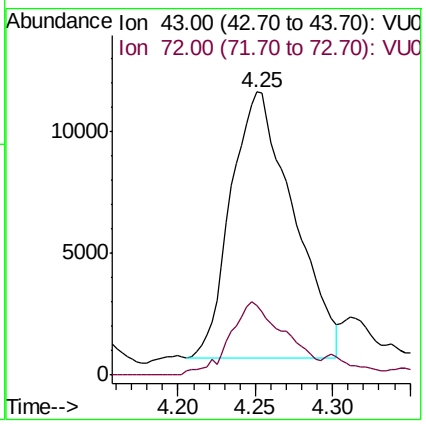


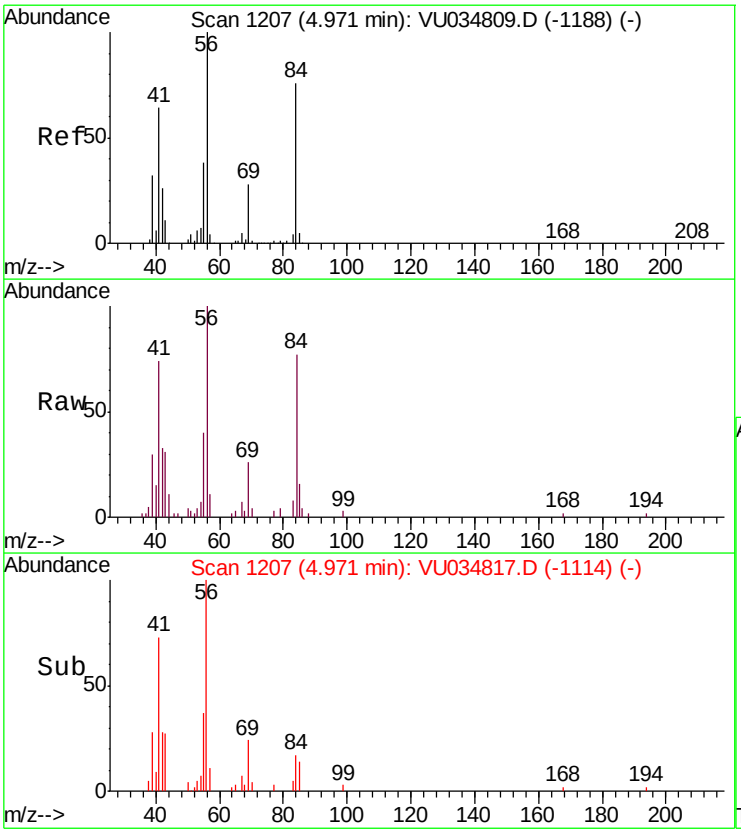
#22
2-Butanone
Concen: 6.101 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.02 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument : MSVOA_U
ClientSampleId : BFDM2

Tgt Ion: 43 Resp: 30587

Ion	Ratio	Lower	Upper
43	100		
72	24.7	10.2	30.6

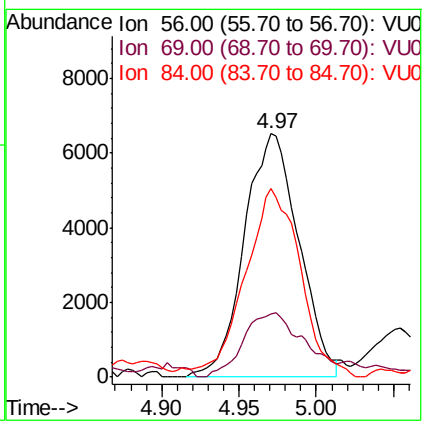


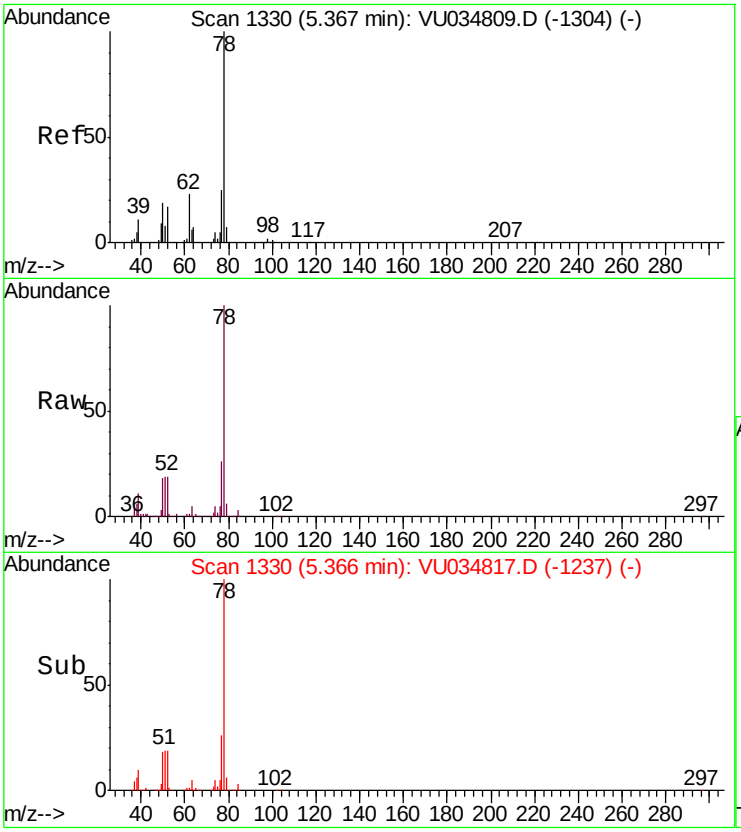


#29
Cyclohexane
Concen: 2.180 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion: 56 Resp: 15970

Ion	Ratio	Lower	Upper
56	100		
69	29.2	21.7	32.5
84	78.5	58.8	88.2

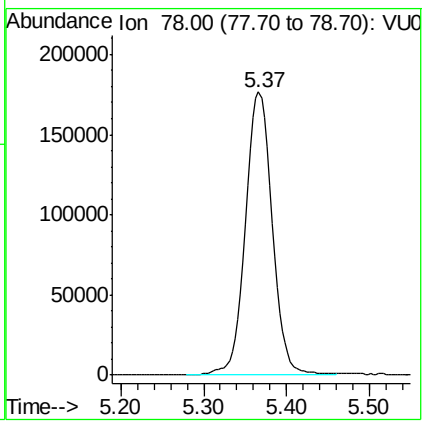


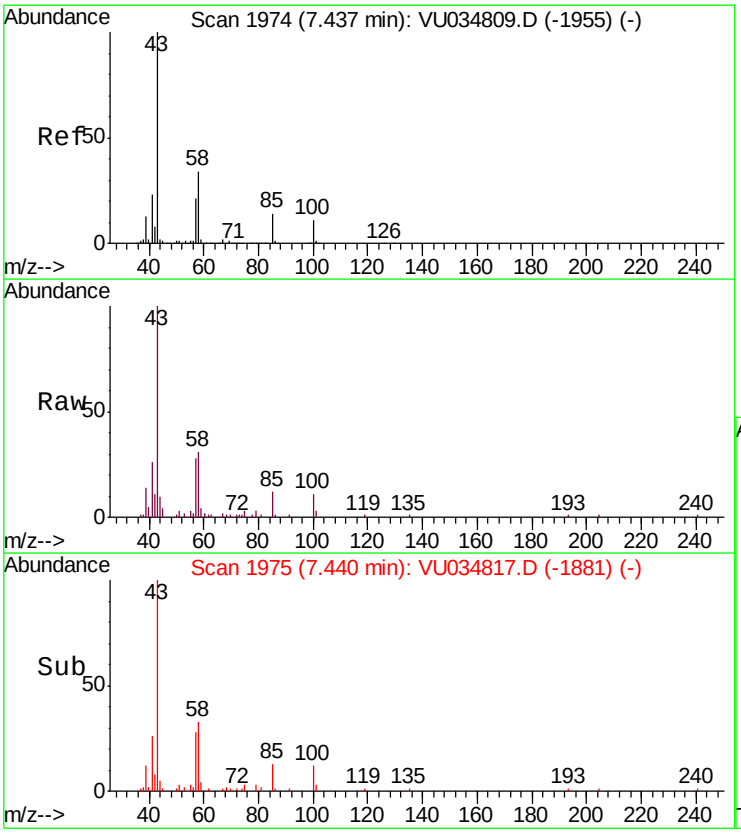


#33
Benzene
Concen: 25.768 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
BFDM2

Tgt Ion: 78 Resp: 396721

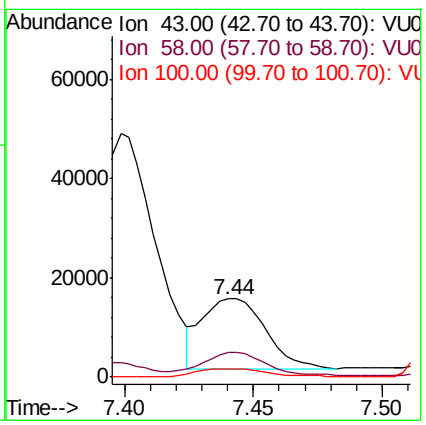


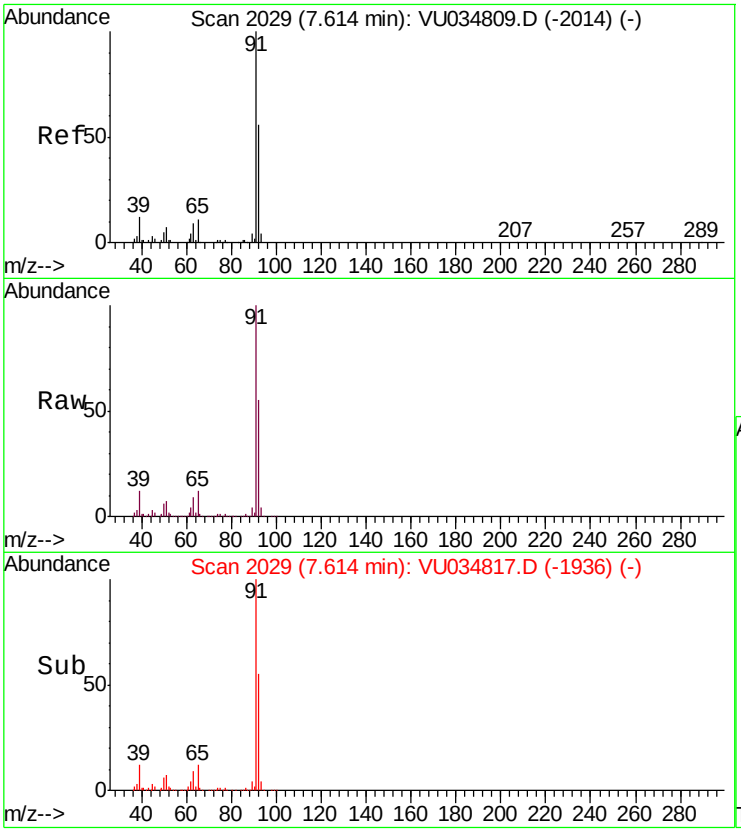


#40
4-Methyl-2-pentanone
Concen: 2.782 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion: 43 Resp: 24349

Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.2	37.8
100	12.8	7.7	11.5#



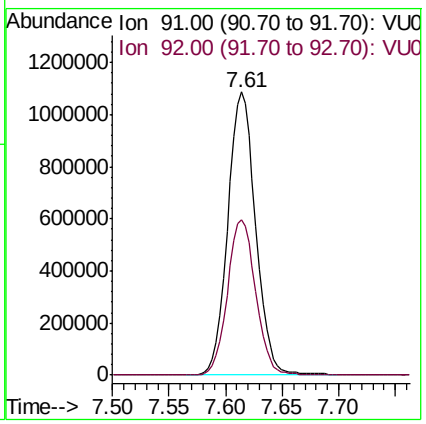


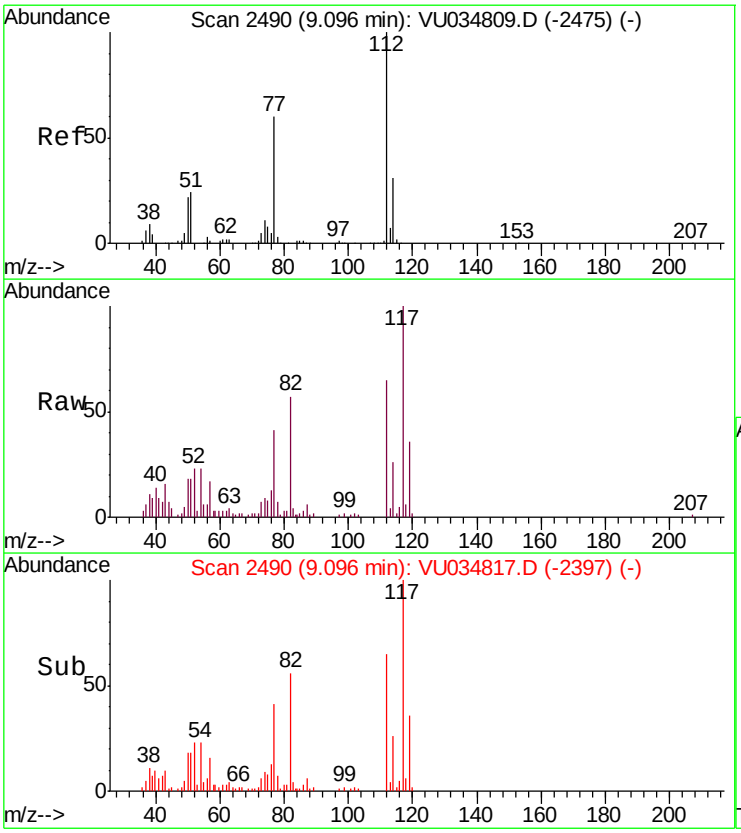
#42
Toluene
Concen: 111.801 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument : MSVOA_U
ClientSampleId : BFDM2

Tgt Ion: 91 Resp: 1860248

Ion	Ratio	Lower	Upper
91	100		
92	55.1	38.2	71.0

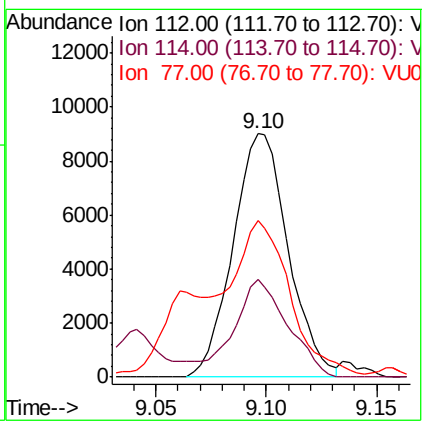


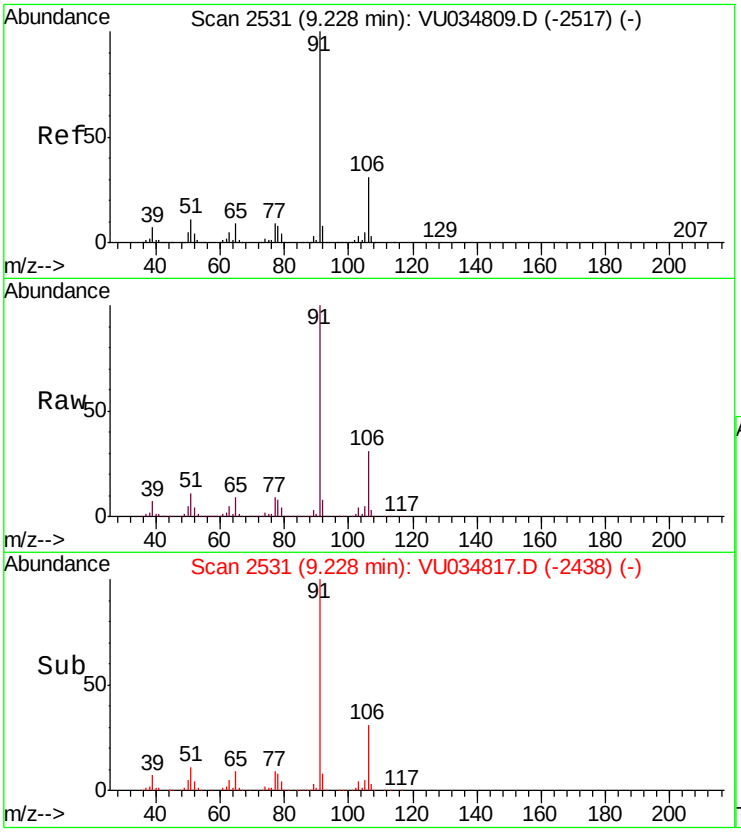


#51
Chlorobenzene
Concen: 1.550 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion:112 Resp: 15680

Ion	Ratio	Lower	Upper
112	100		
114	39.9	22.8	42.4
77	64.1	51.5	77.3



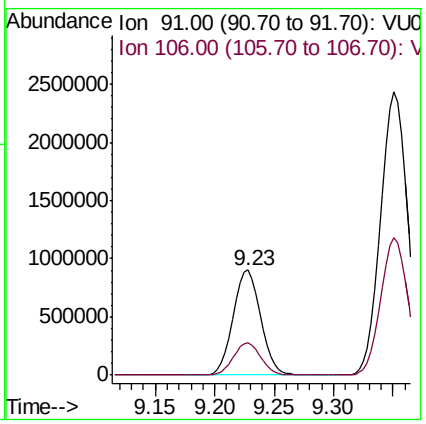


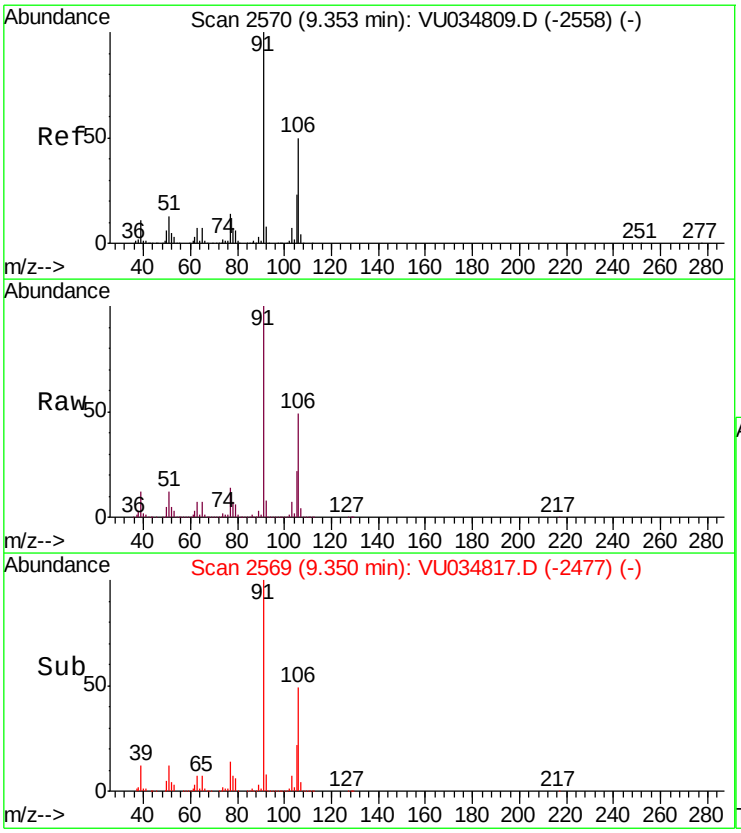
#52
Ethylbenzene
Concen: 77.815 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
BFDM2

Tgt Ion: 91 Resp: 1458001

Ion	Ratio	Lower	Upper
91	100		
106	31.2	20.6	38.4

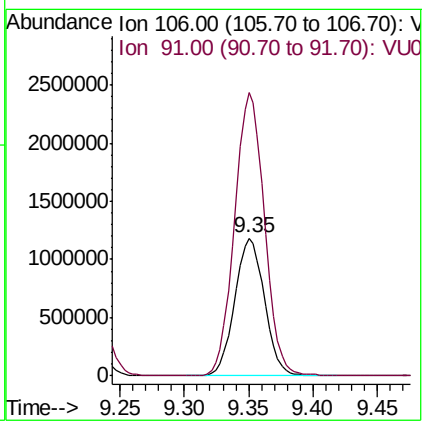


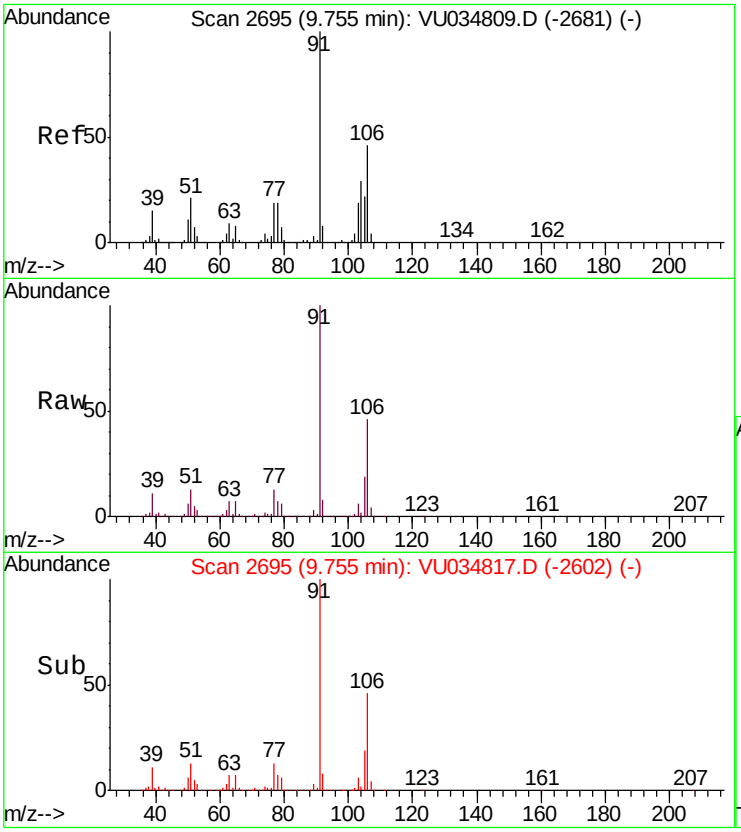


#53
m,p-Xylene
Concen: 285.738 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion:106 Resp: 1896291

Ion	Ratio	Lower	Upper
106	100		
91	205.5	146.9	272.7



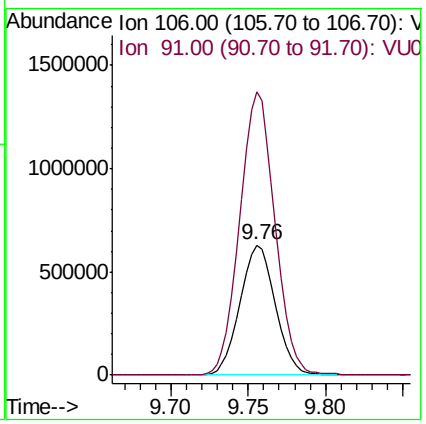


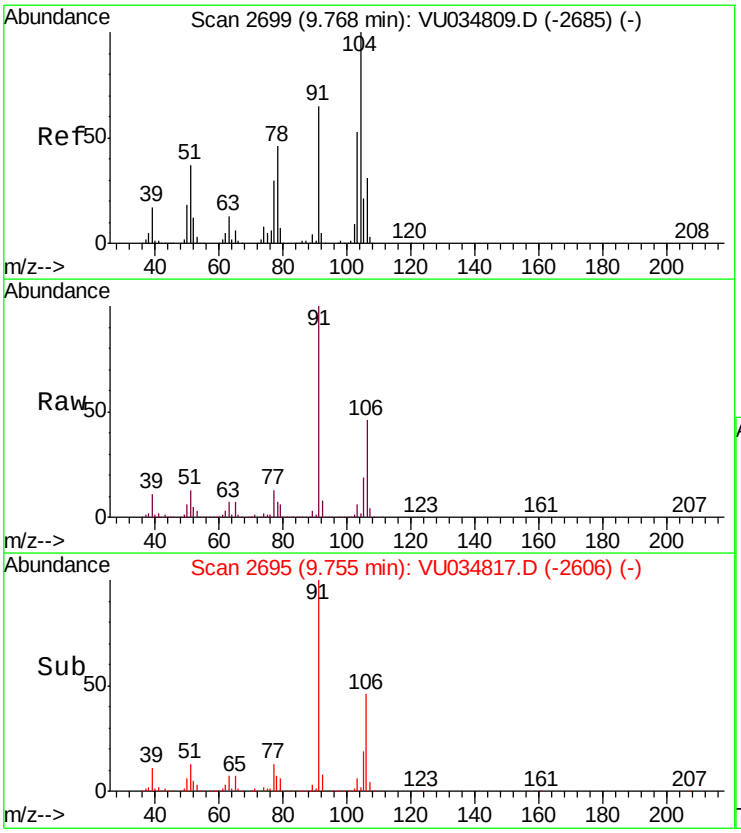
#54
o-xylene
Concen: 152.862 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
BFDM2

Tgt Ion:106 Resp: 1003389

Ion	Ratio	Lower	Upper
106	100		
91	218.1	155.6	289.0

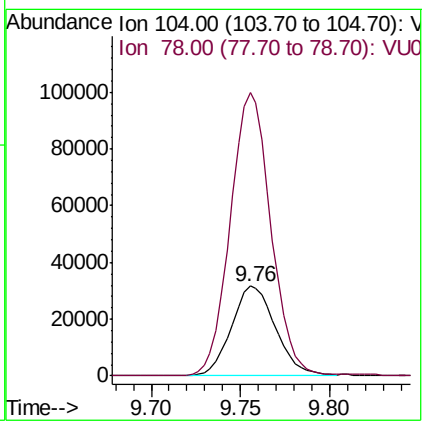


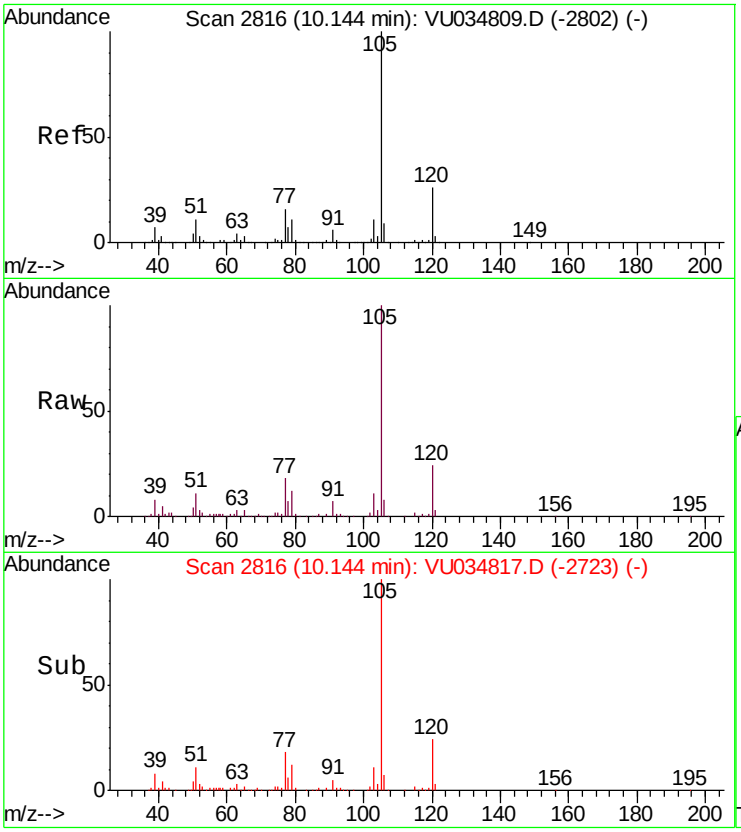


#55
Styrene
Concen: 4.921 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.01 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion:104 Resp: 54674

Ion	Ratio	Lower	Upper
104	100		
78	316.2	35.1	65.3#



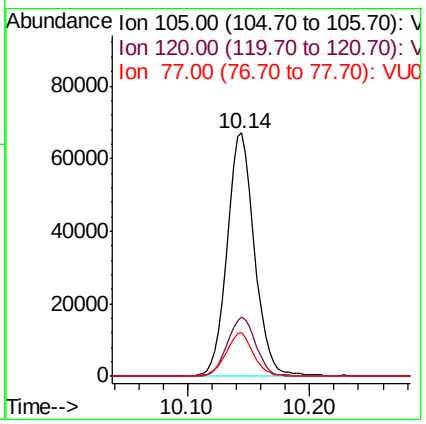


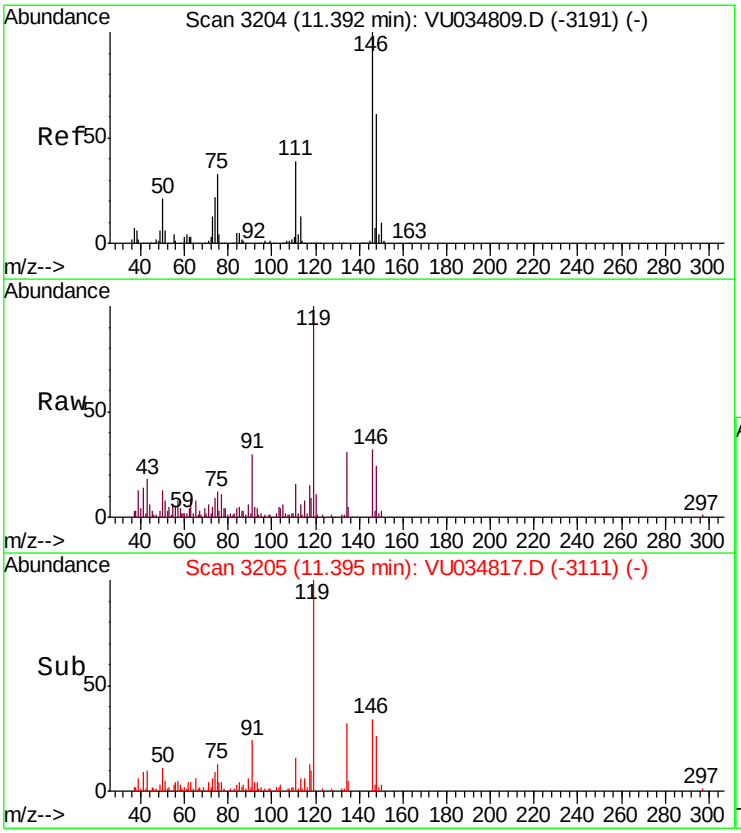
#56
Isopropylbenzene
Concen: 5.965 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
BFDM2

Tgt Ion:105 Resp: 105573

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.4	30.6
77	17.8	14.2	21.4

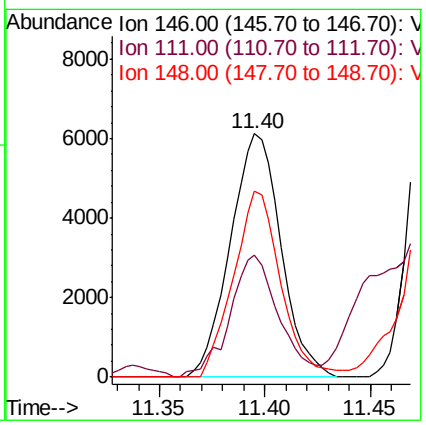


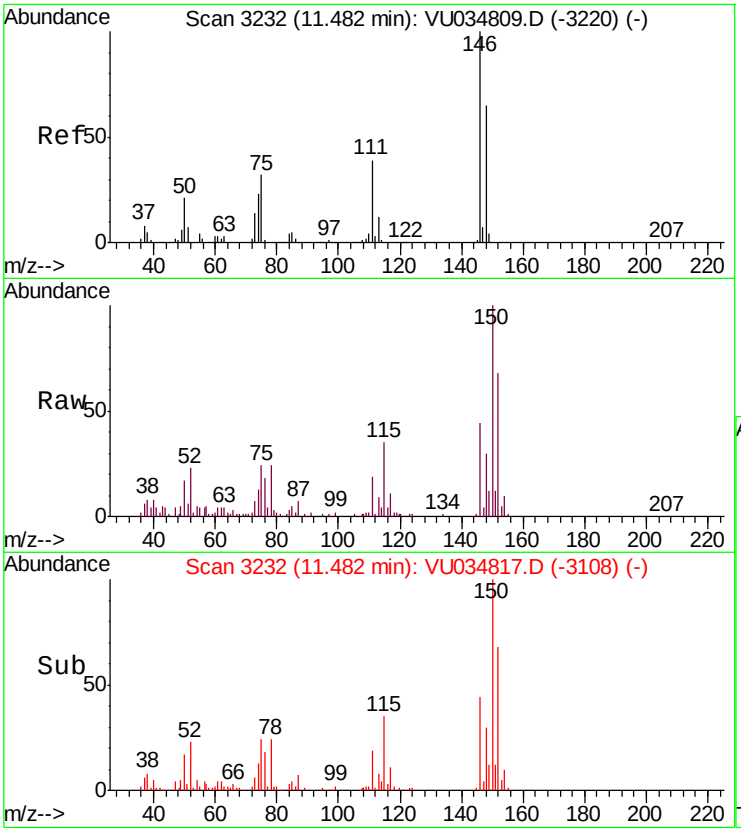


#62
1,3-Dichlorobenzene
Concen: 1.341 ug/L
RT: 11.40 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion:146 Resp: 10211

Ion	Ratio	Lower	Upper
146	100		
111	50.1	30.4	56.5
148	76.4	46.1	85.7



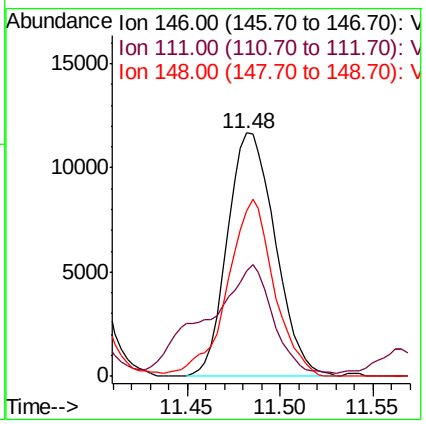


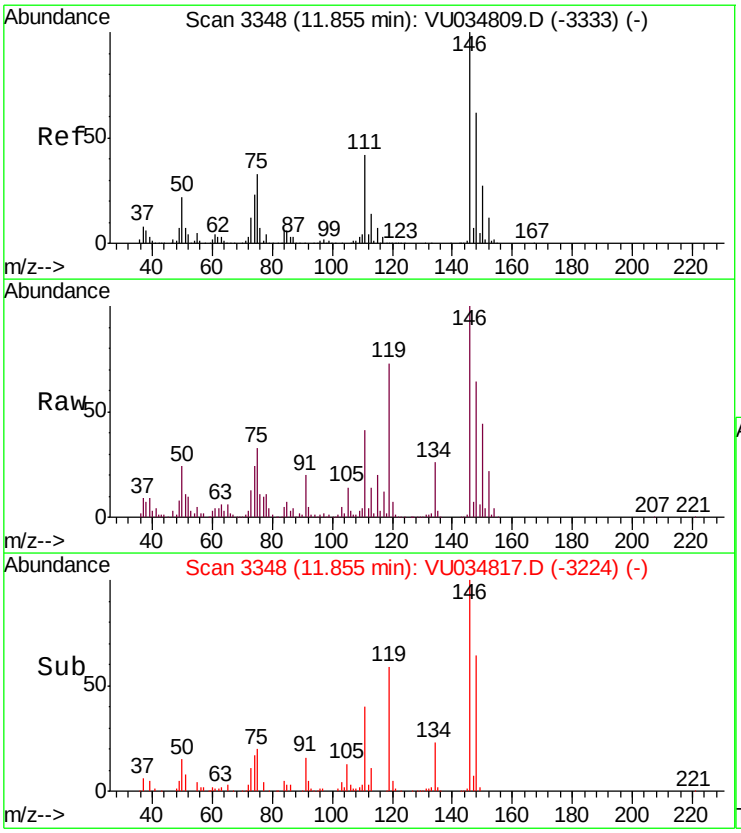
#63
1,4-Dichlorobenzene
Concen: 2.701 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
BFDM2

Tgt Ion:146 Resp: 20941

Ion	Ratio	Lower	Upper
146	100		
111	43.3	29.5	54.9
148	68.2	44.4	82.4

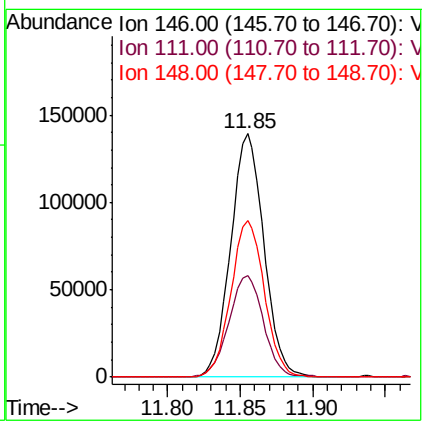


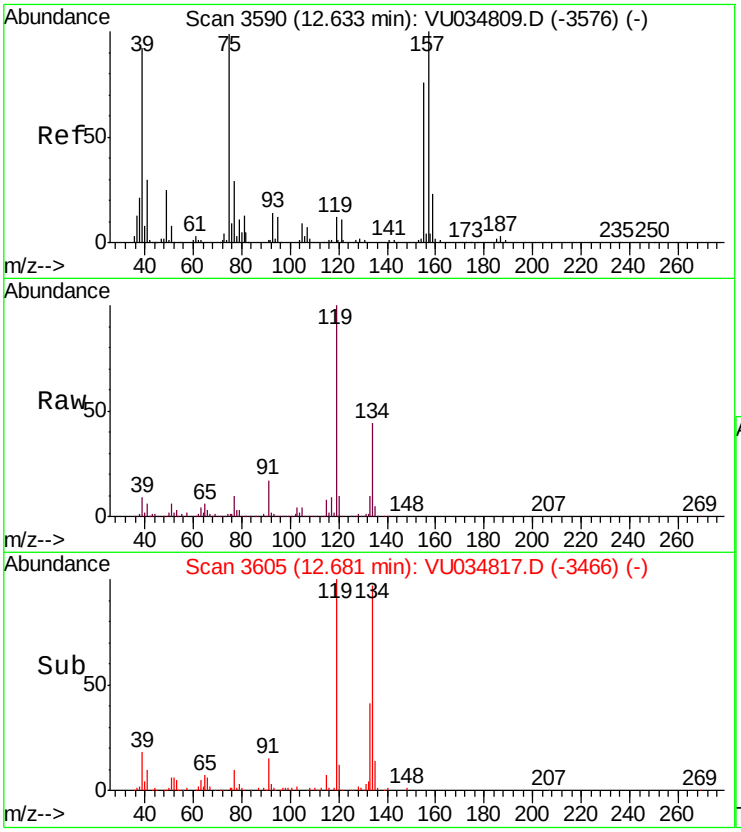


#65
1,2-Dichlorobenzene
Concen: 28.803 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion:146 Resp: 221540

Ion	Ratio	Lower	Upper
146	100		
111	41.5	35.2	52.8
148	64.3	53.0	79.6



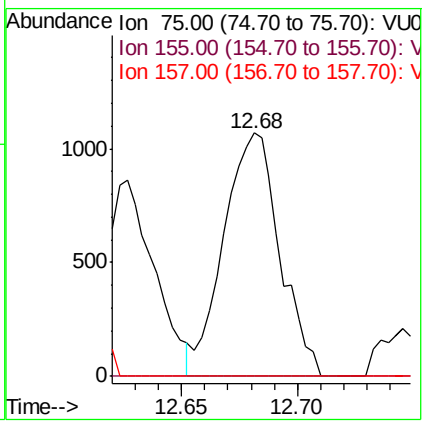


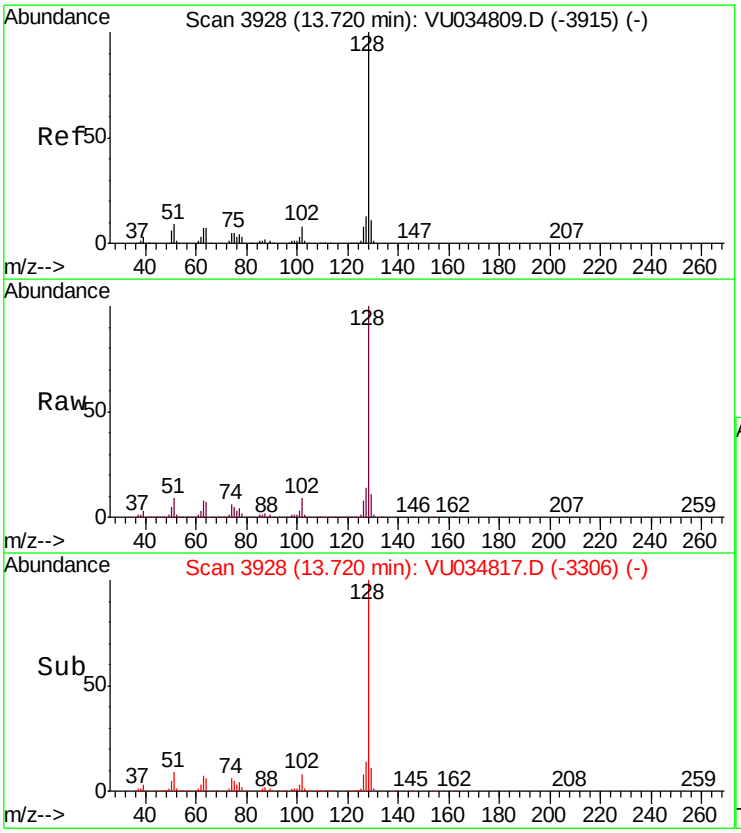
#66
1,2-Dibromo-3-chloropropane
Concen: 1.098 ug/L
RT: 12.68 min Scan# 3605
Delta R.T. 0.05 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
BFDM2

Tgt Ion: 75 Resp: 1795

Ion	Ratio	Lower	Upper
75	100		
155	0.0	54.7	82.1#
157	0.0	69.9	104.9#





#69
Naphthalene
Concen: 118.054 ug/L
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034817.D
Acq: 25 Sep 2019 21:07

Tgt Ion:128 Resp: 1639160

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.1	8.6	12.8