Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\

Quantitation Report (Not Reviewed)

Data File : VU034748.D
Acq On : 23 Sep 2019 21:19
Operator : JC/SP
Sample : K4932-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG6

Quant Time: Sep 24 03:41:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	480097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	455604	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	227128	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	204330	41.57	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.14%			
7) Chloroethane-d5	1.67	69	165458	43.56	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.12%			
11) 1,1-Dichloroethene-d2	2.26	63	282745	33.97	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.94%			
21) 2-Butanone-d5	4.19	46	5568	1.48	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery = 1.48%#			
24) Chloroform-d	4.65	84	15348	2.15	ug/L	0.03
Spiked Amount 50.000	Range 70 - 125		Recovery = 4.30%#			
26) 1,2-Dichloroethane-d4	5.29	65	259803	49.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.92%			
32) Benzene-d6	5.32	84	718402	50.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.74%			
36) 1,2-Dichloropropane-d6	6.31	67	255026	51.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.34%			
41) Toluene-d8	7.54	98	693660	51.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.26%			
43) trans-1,3-Dichloropropene-	7.83	79	113023	47.81	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.62%			
47) 2-Hexanone-d5	8.26	63	71	0.03	ug/L	-0.03
Spiked Amount 100.000	Range 45 - 130		Recovery = 0.03%#			
57) 1,1,2,2-Tetrachloroethane-	10.48	84	88	0.01	ug/L	0.07
Spiked Amount 50.000	Range 65 - 120		Recovery = 0.02%#			
64) 1,2-Dichlorobenzene-d4	11.84	152	247071	51.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.76%			
Target Compounds						Qvalue
13) Acetone	2.31	43	858708	195.971	ug/L	100
16) Methylene chloride	2.68	84	82903	20.836	ug/L	96
22) 2-Butanone	4.23	43	468432	89.859	ug/L	91
25) Chloroform	4.65	83	333461	42.983	ug/L	99
27) 1,2-Dichloroethane	5.37	62	5727	0.855	ug/L	98
29) Cyclohexane	4.97	56	28113	3.738	ug/L	98
33) Benzene	5.37	78	448571	28.388	ug/L	100
34) Trichloroethene	6.16	95	224206	57.453	ug/L	97
35) Methylcyclohexane	6.40	83	24015	3.626	ug/L	97
37) 1,2-Dichloropropane	6.41	63	5563	1.182	ug/L #	95
40) 4-Methyl-2-pentanone	7.44	43	2586291	287.916	ug/L	98
42) Toluene	7.61	91	4096221	239.867	ug/L	98
46) Tetrachloroethene	8.21	164	17204	6.267	ug/L	96
48) 2-Hexanone	8.34	43	481595	68.645	ug/L #	93
52) Ethylbenzene	9.23	91	946522	49.221	ug/L	100
53) m,p-Xylene	9.35	106	1295370	190.181	ug/L	98
54) o-xylene	9.76	106	784464	116.443	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\

Quantitation Report (Not Reviewed)

Data File : VU034748.D
Acq On : 23 Sep 2019 21:19
Operator : JC/SP
Sample : K4932-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG6

Quant Time: Sep 24 03:41:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) Styrene	9.76	104	47989	4.208	ug/L	#	1
56) Isopropylbenzene	10.14	105	77931	4.290	ug/L		97
63) 1,4-Dichlorobenzene	11.49	146	7064	0.882	ug/L		90
65) 1,2-Dichlorobenzene	11.85	146	61063	7.683	ug/L		96
66) 1,2-Dibromo-3-chloropropan	12.63	75	1818	1.076	ug/L	#	10
69) Naphthalene	13.72	128	1415431	98.657	ug/L		100

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

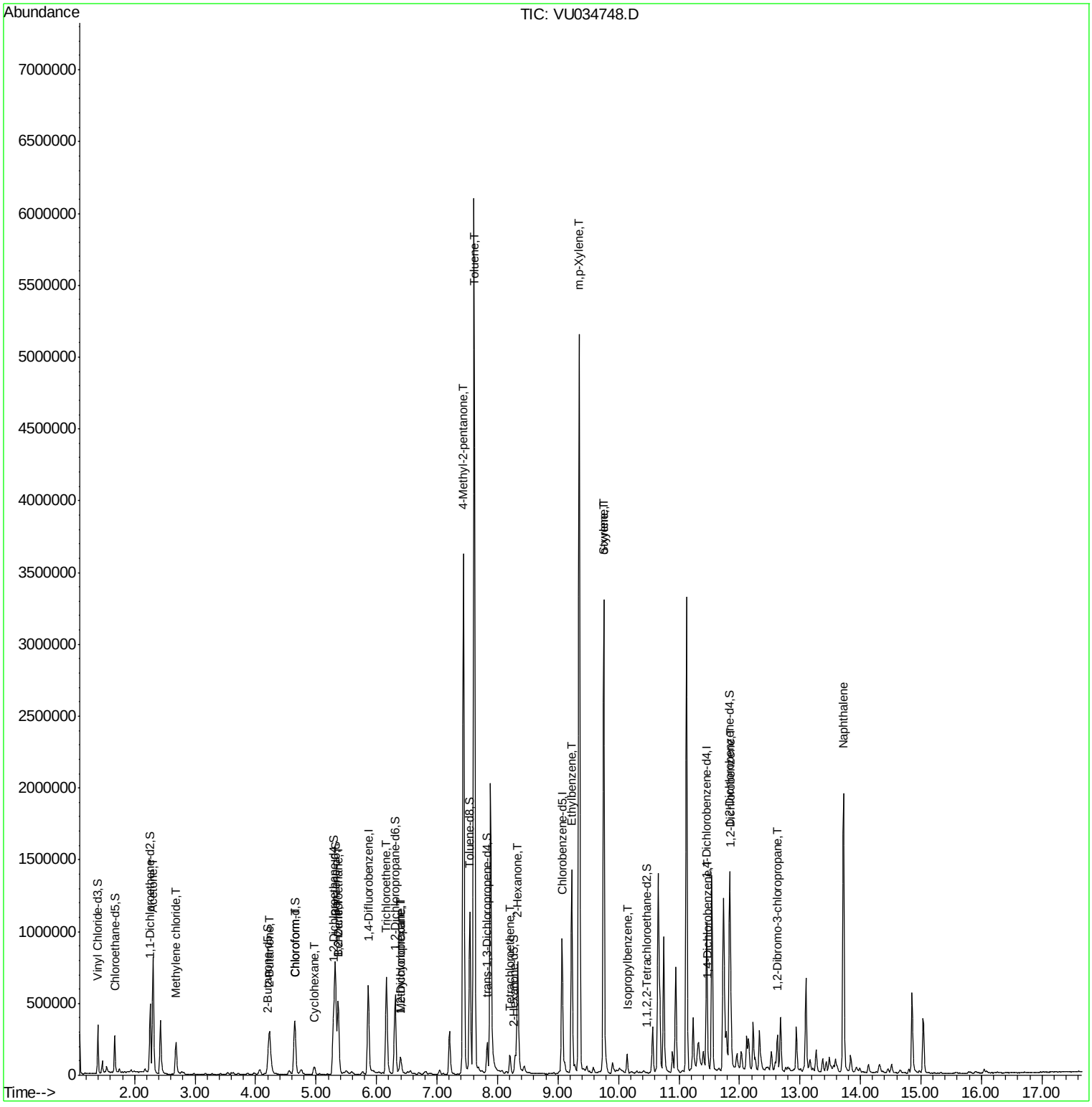
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\

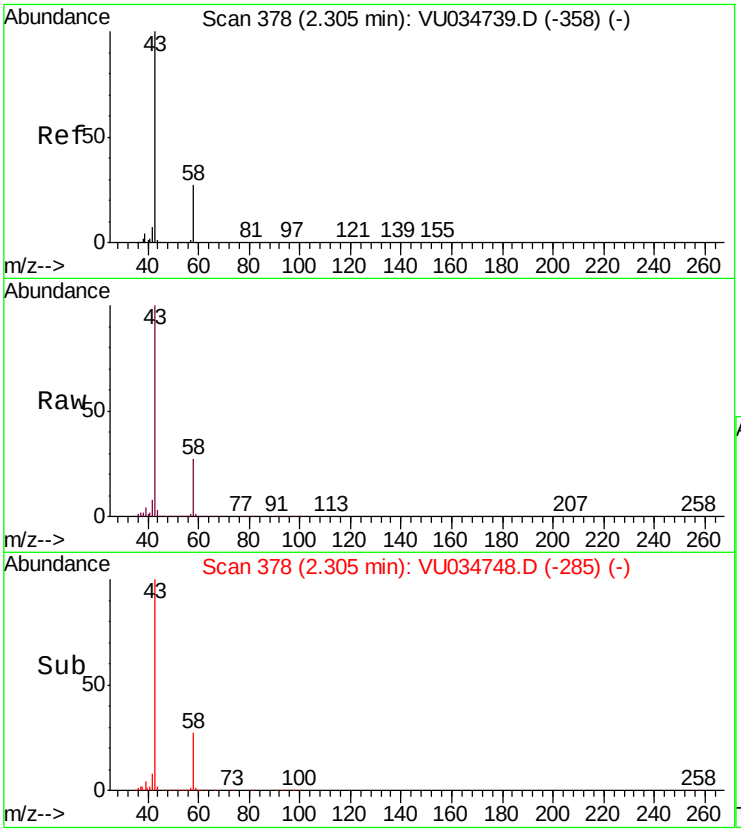
Quantitation Report (Not Reviewed)

Data File : VU034748.D
Acq On : 23 Sep 2019 21:19
Operator : JC/SP
Sample : K4932-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Quant Time: Sep 24 03:41:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration



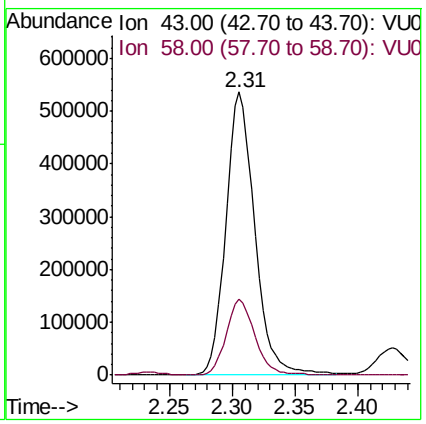


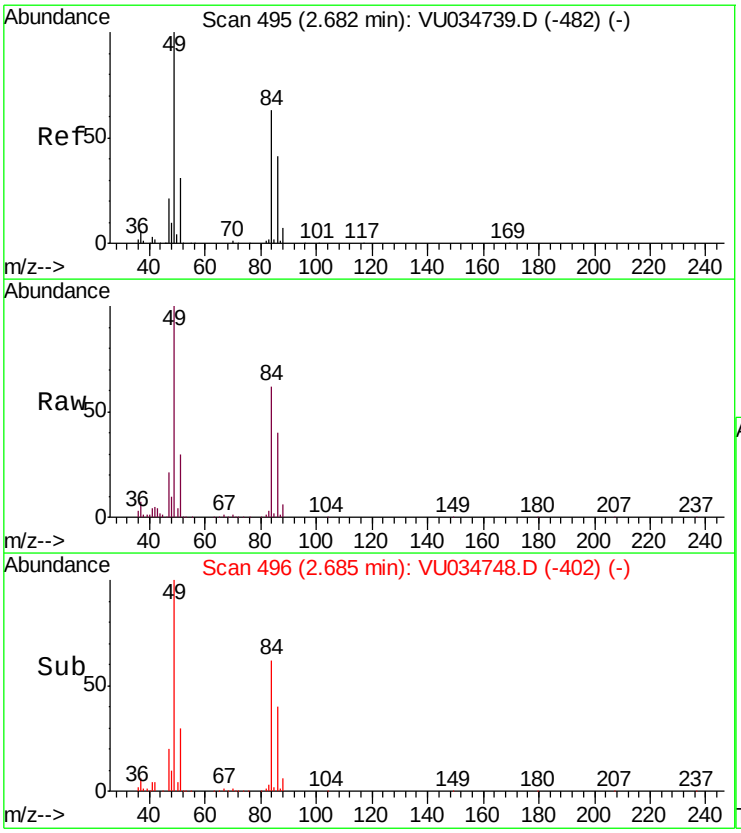
#13
Acetone
Concen: 195.971 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion: 43 Resp: 858708

Ion	Ratio	Lower	Upper
43	100		
58	26.7	0.0	53.4

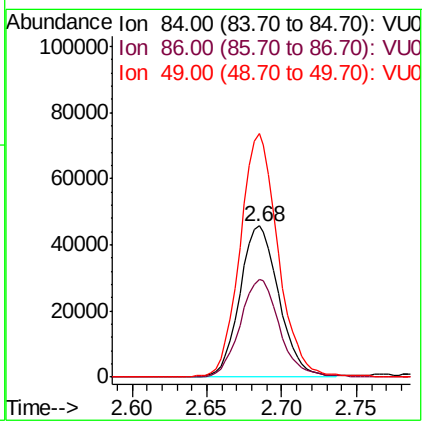


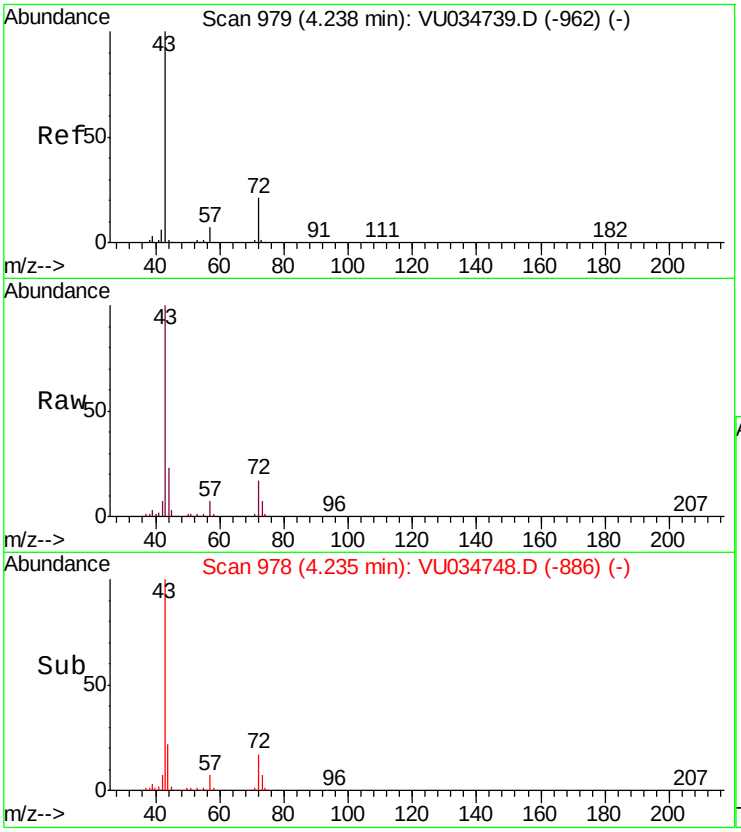


#16
Methylene chloride
Concen: 20.836 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 84 Resp: 82903

Ion	Ratio	Lower	Upper
84	100		
86	64.5	43.0	80.0
49	161.4	109.7	203.7



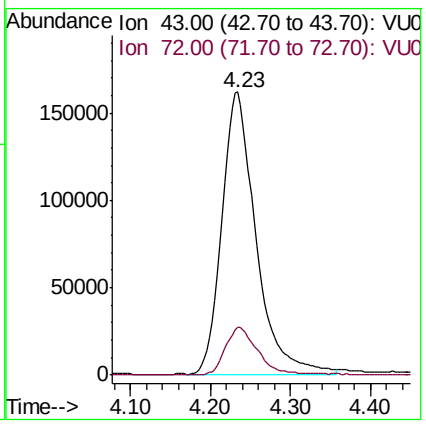


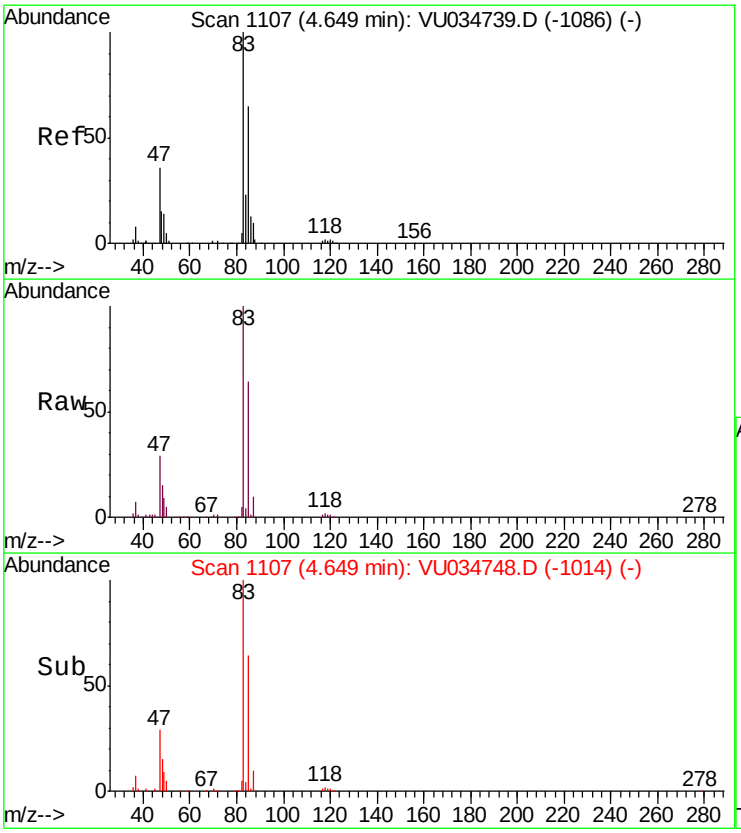
#22
2-Butanone
Concen: 89.859 ug/L
RT: 4.23 min Scan# 978
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion: 43 Resp: 468432

Ion	Ratio	Lower	Upper
43	100		
72	16.1	10.2	30.6

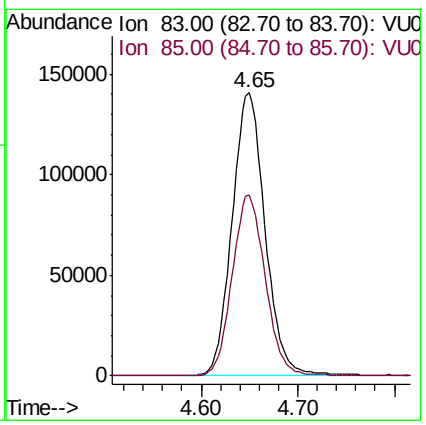


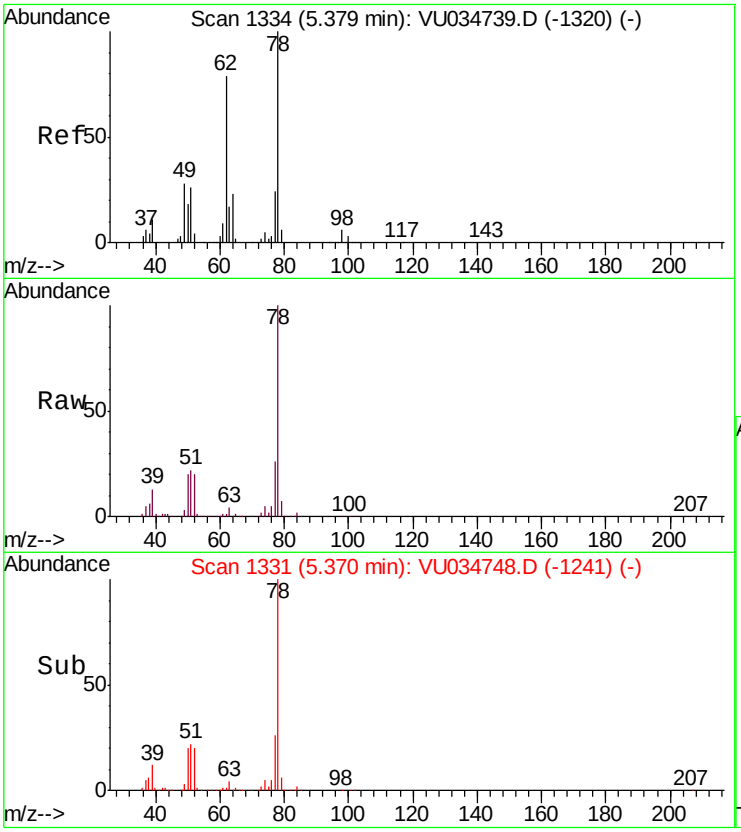


#25
Chloroform
Concen: 42.983 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 83 Resp: 333461

Ion	Ratio	Lower	Upper
83	100		
85	63.8	44.0	81.6



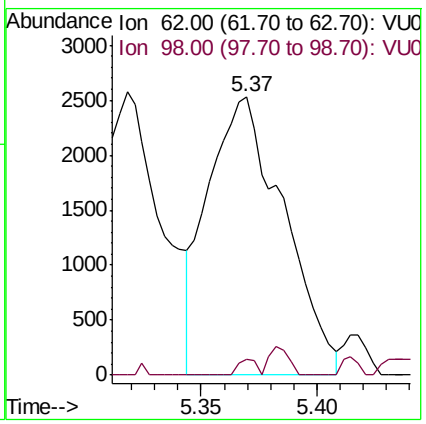


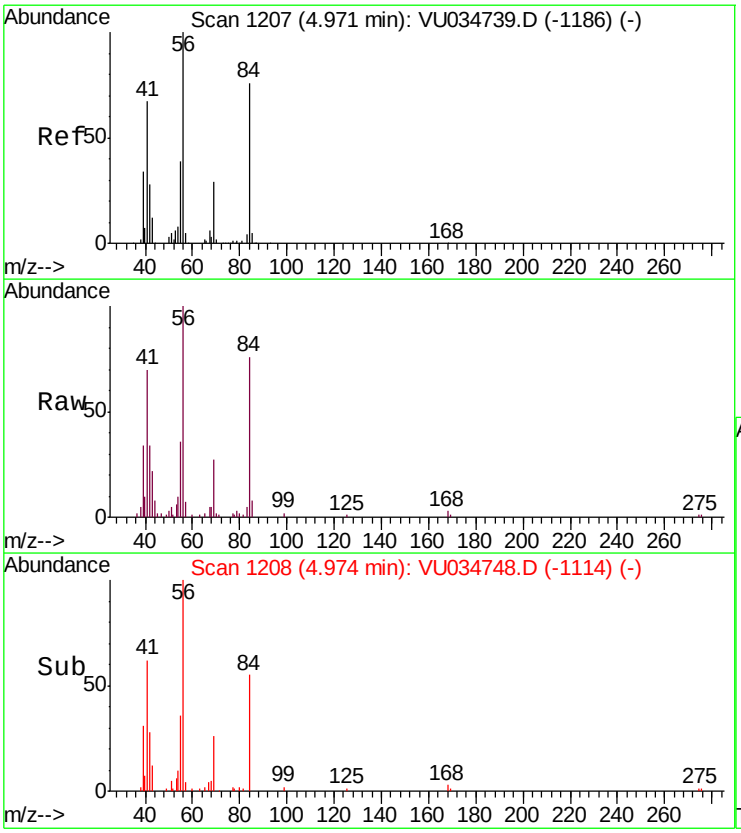
#27
1,2-Dichloroethane
Concen: 0.855 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion: 62 Resp: 5727

Ion	Ratio	Lower	Upper
62	100		
98	5.8	5.3	7.9

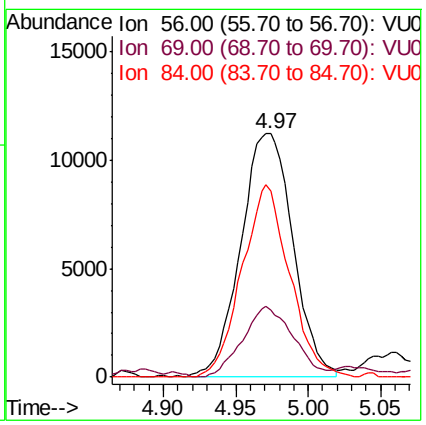


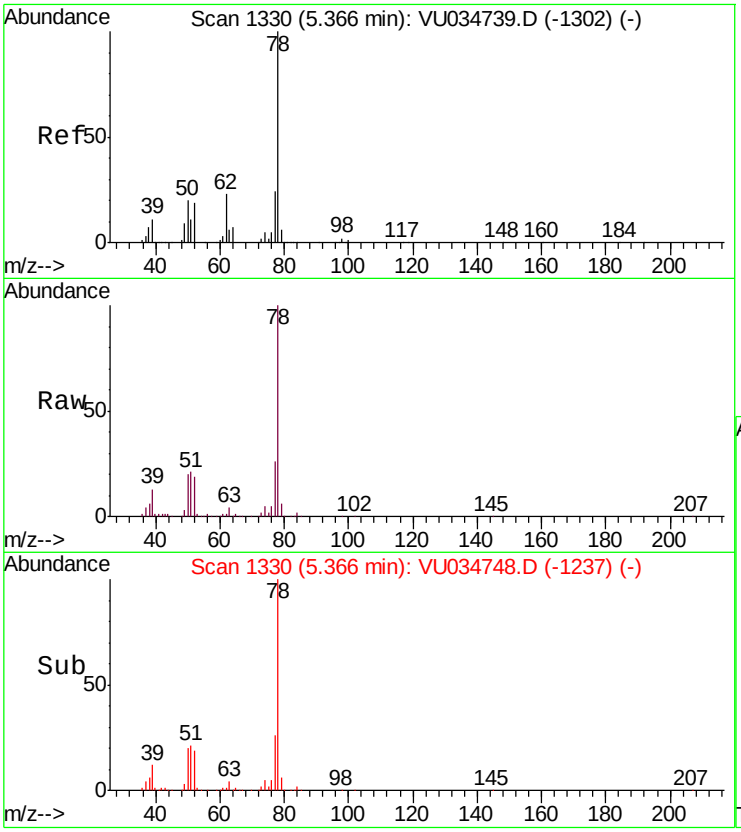


#29
Cyclohexane
Concen: 3.738 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 56 Resp: 28113

Ion	Ratio	Lower	Upper
56	100		
69	28.1	21.7	32.5
84	72.1	58.8	88.2

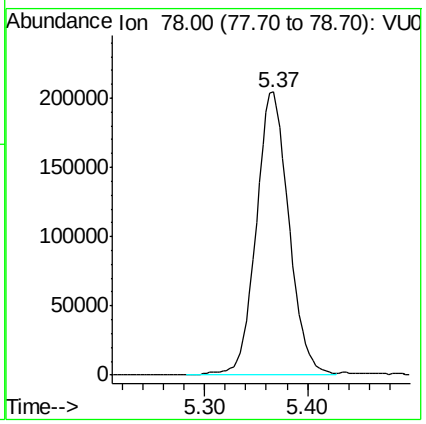


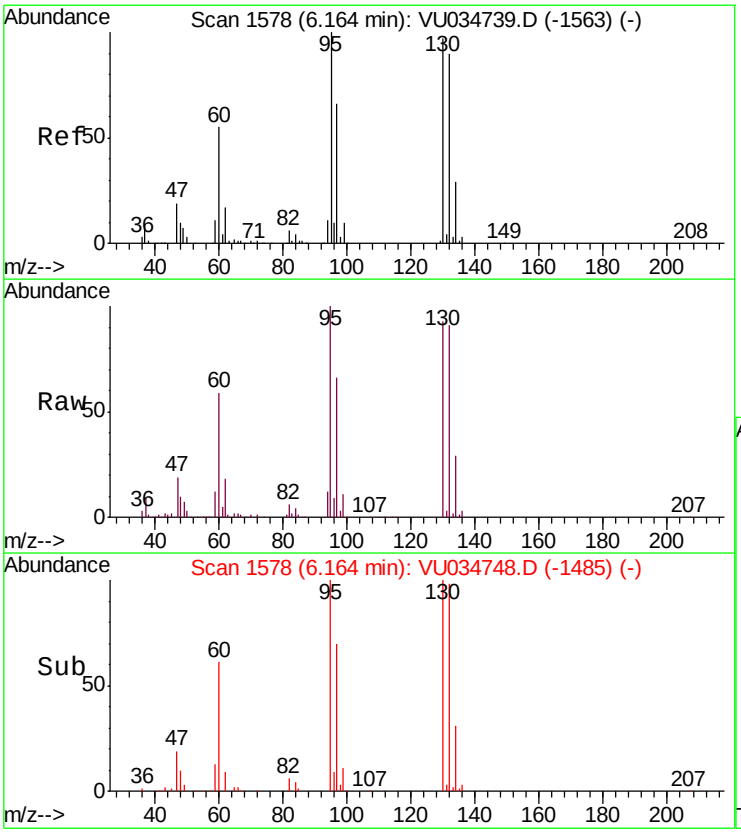


#33
Benzene
Concen: 28.388 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion: 78 Resp: 448571

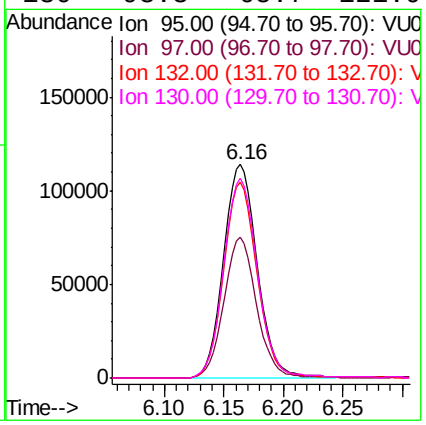


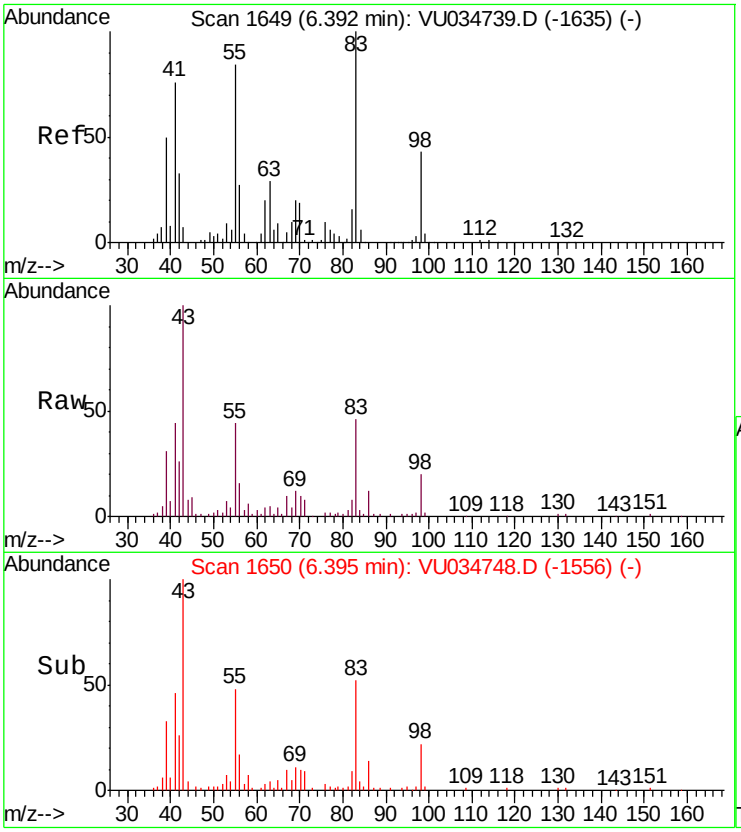


#34
Trichloroethene
Concen: 57.453 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 95 Resp: 224206

Ion	Ratio	Lower	Upper
95	100		
97	65.7	43.7	81.1
132	91.5	61.0	113.2
130	93.3	65.7	121.9



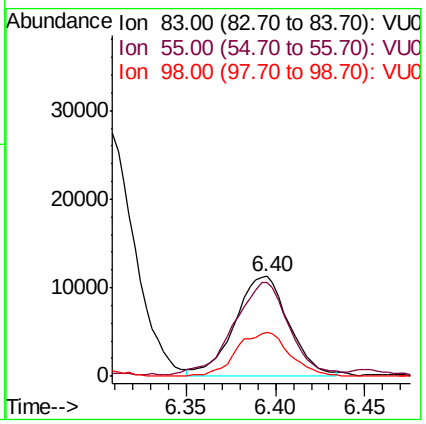


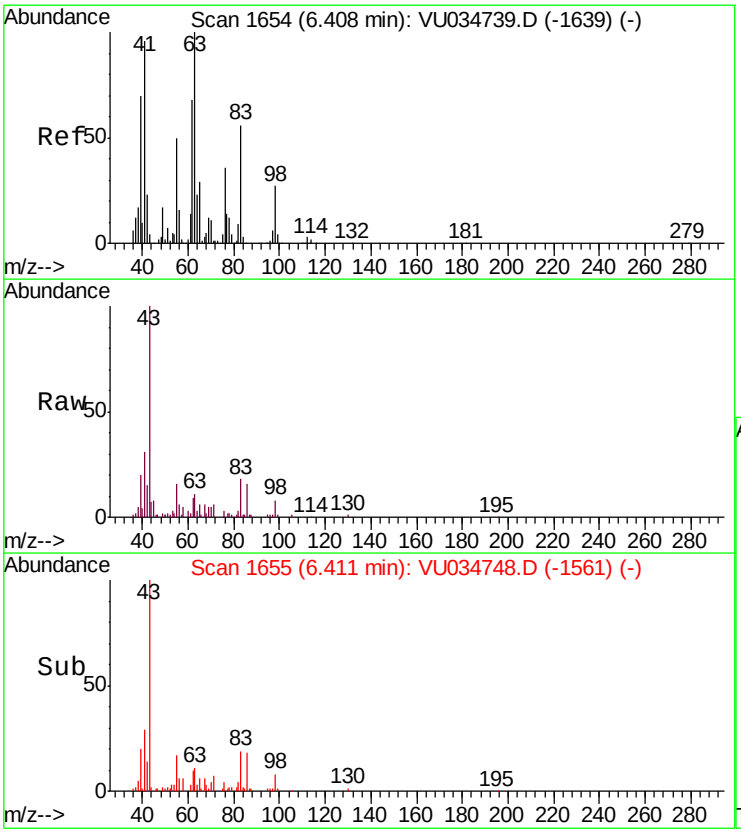
#35
Methylcyclohexane
Concen: 3.626 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion: 83 Resp: 24015

Ion	Ratio	Lower	Upper
83	100		
55	93.0	71.6	107.4
98	43.1	35.7	53.5

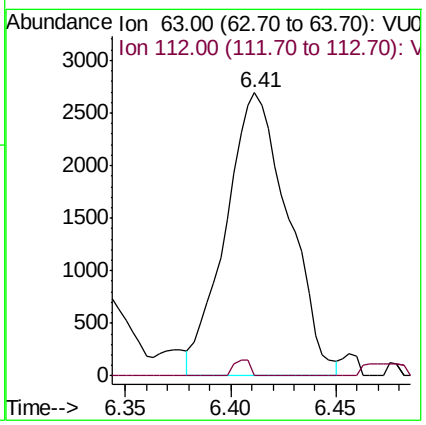


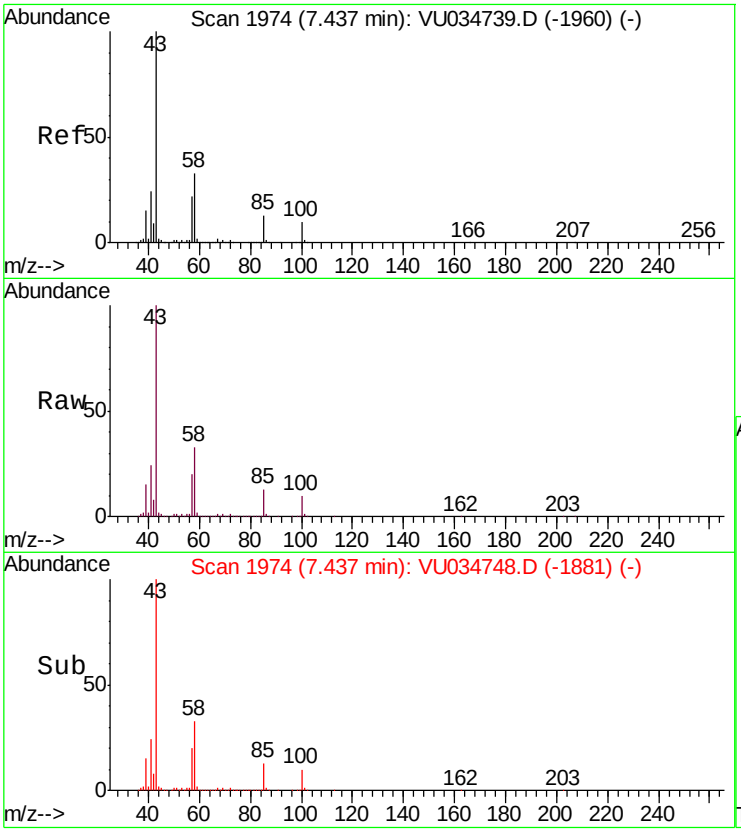


#37
1,2-Dichloropropane
Concen: 1.182 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 63 Resp: 5563

Ion	Ratio	Lower	Upper
63	100		
112	1.5	2.4	3.6#



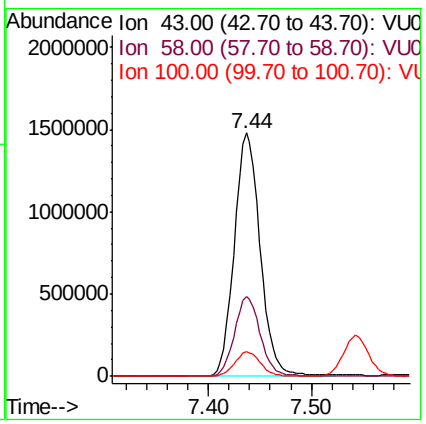


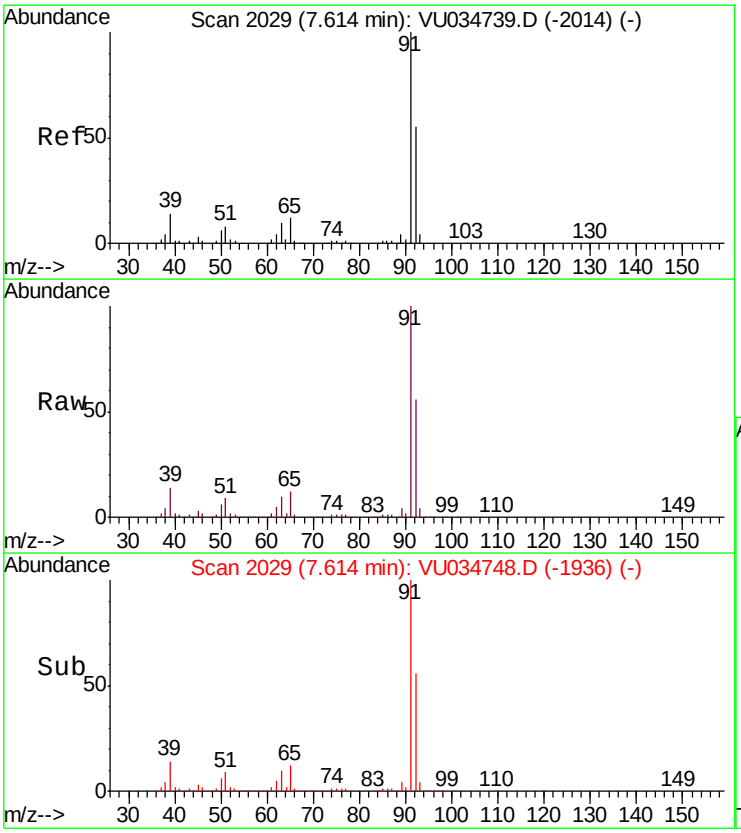
#40
4-Methyl-2-pentanone
Concen: 287.916 ug/L
RT: 7.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion: 43 Resp: 2586291

Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.2	37.8
100	10.1	7.7	11.5

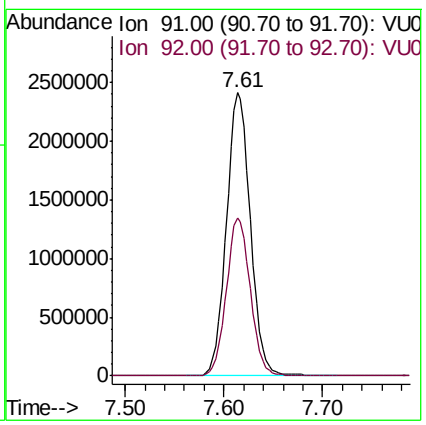


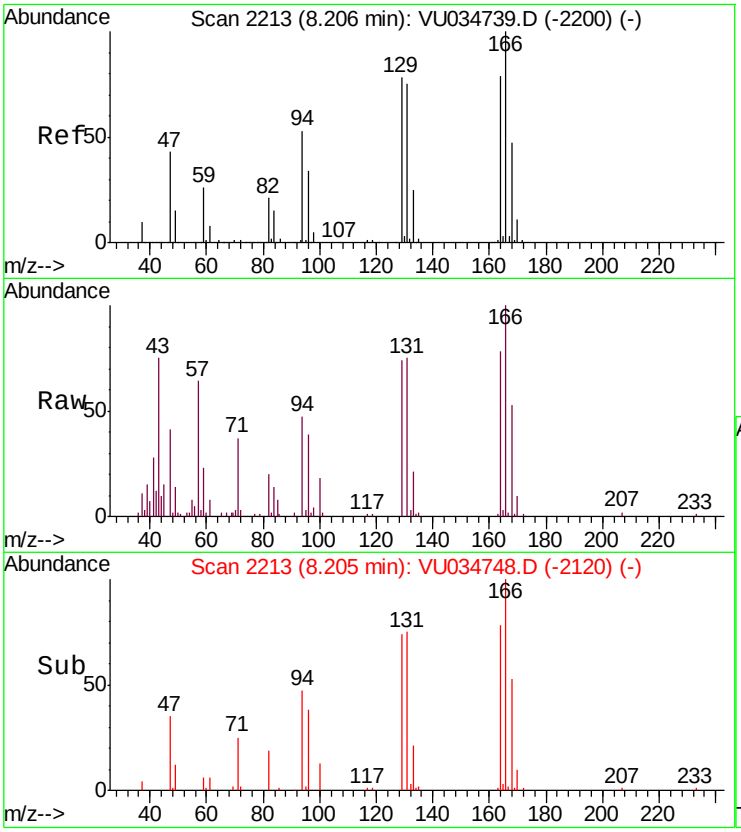


#42
Toluene
Concen: 239.867 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 91 Resp: 4096221

Ion	Ratio	Lower	Upper
91	100		
92	55.9	38.2	71.0



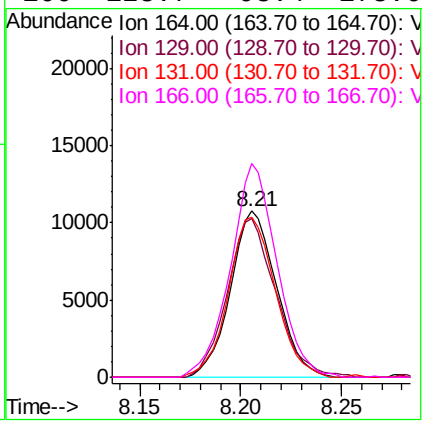


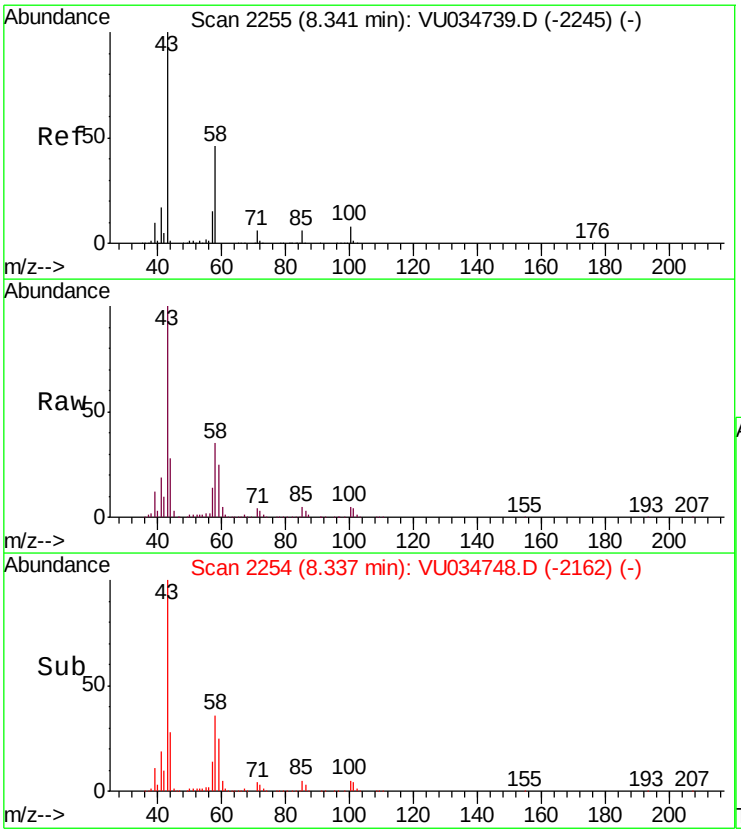
#46
Tetrachloroethene
Concen: 6.267 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion:164 Resp: 17204

Ion	Ratio	Lower	Upper
164	100		
129	95.9	71.9	133.5
131	96.7	66.3	123.1
166	128.7	93.4	173.6

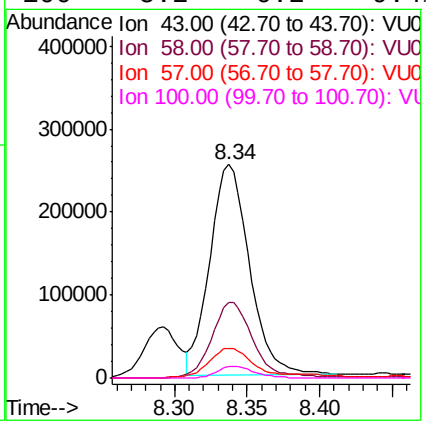


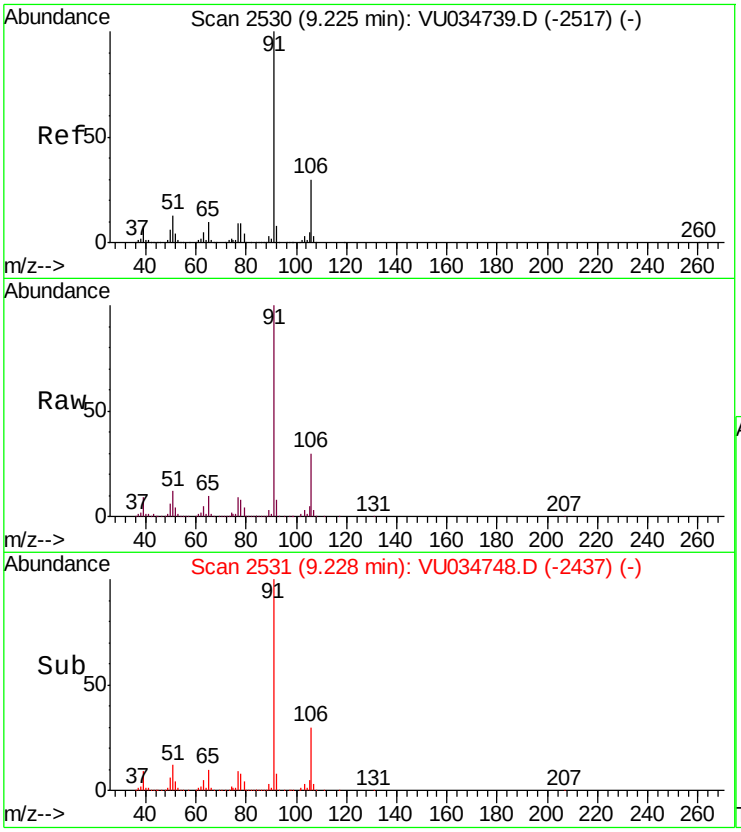


#48
2-Hexanone
Concen: 68.645 ug/L
RT: 8.34 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 43 Resp: 481595

Ion	Ratio	Lower	Upper
43	100		
58	37.7	35.3	52.9
57	15.3	12.1	18.1
100	5.2	6.2	9.4#



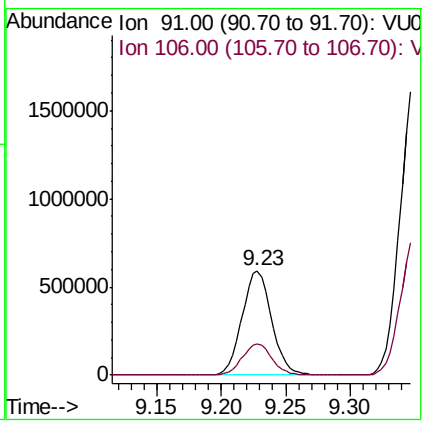


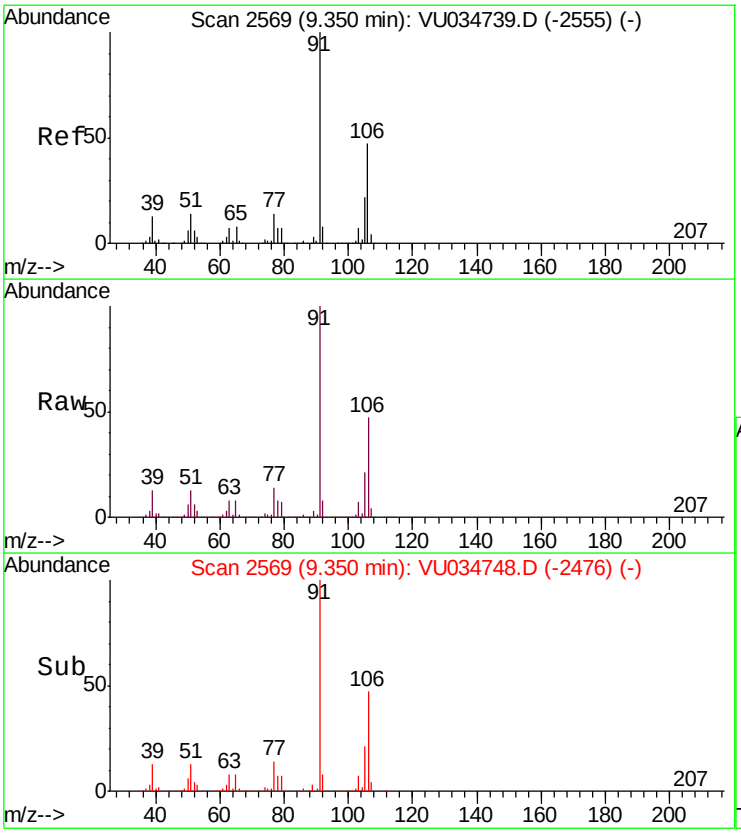
#52
Ethylbenzene
Concen: 49.221 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument : MSVOA_U
ClientSampleId : BFDG6

Tgt Ion: 91 Resp: 946522

Ion	Ratio	Lower	Upper
91	100		
106	29.6	20.6	38.4

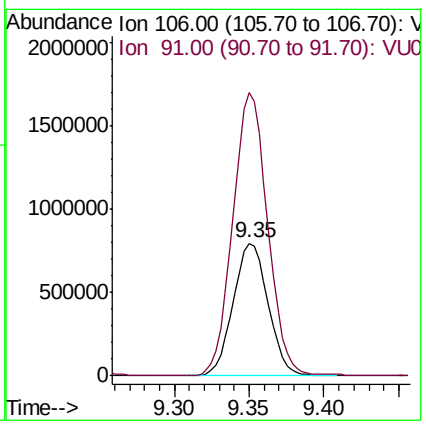


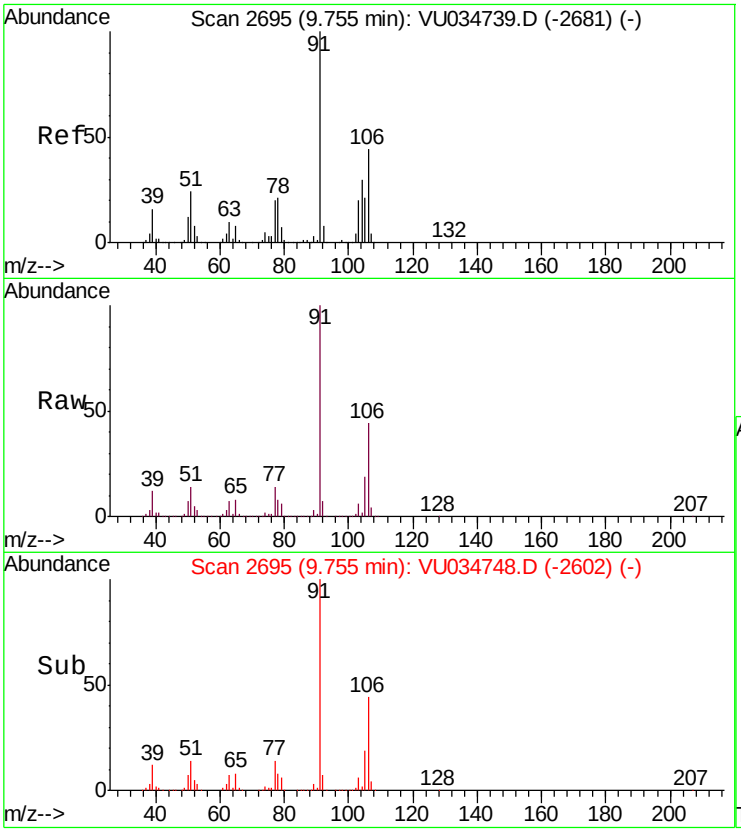


#53
m,p-Xylene
Concen: 190.181 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion:106 Resp: 1295370

Ion	Ratio	Lower	Upper
106	100		
91	213.1	146.9	272.7



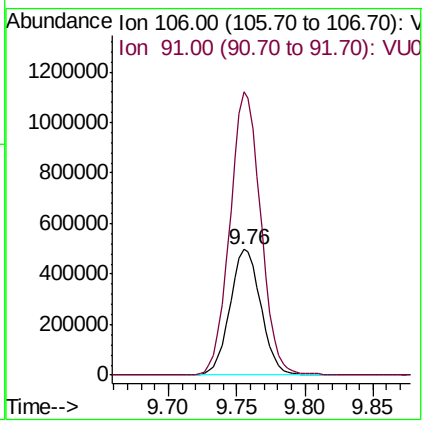


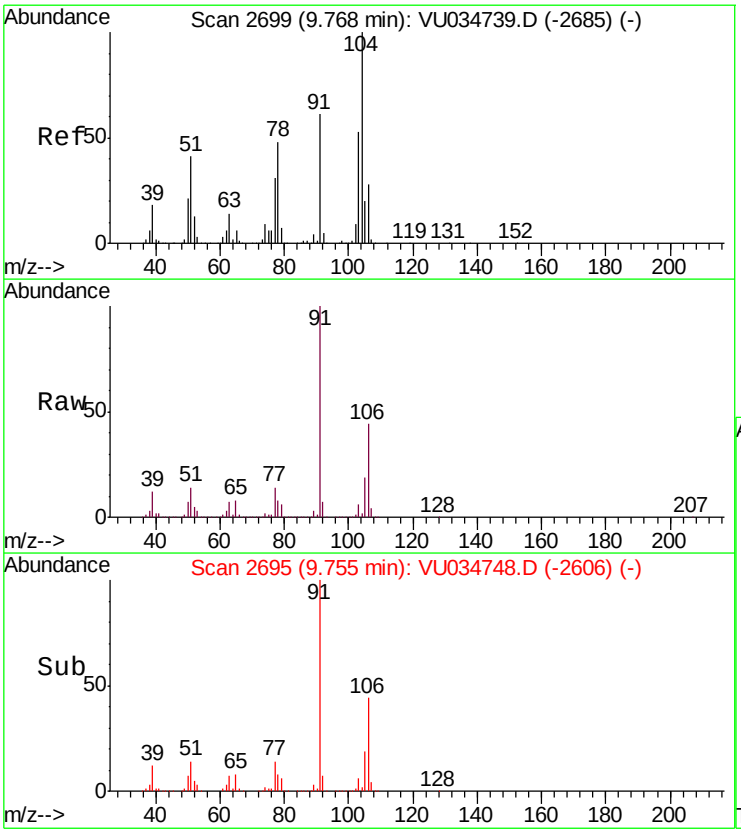
#54
o-xylene
Concen: 116.443 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion:106 Resp: 784464

Ion	Ratio	Lower	Upper
106	100		
91	225.0	155.6	289.0

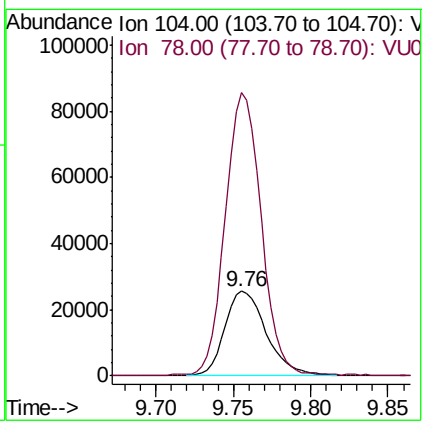


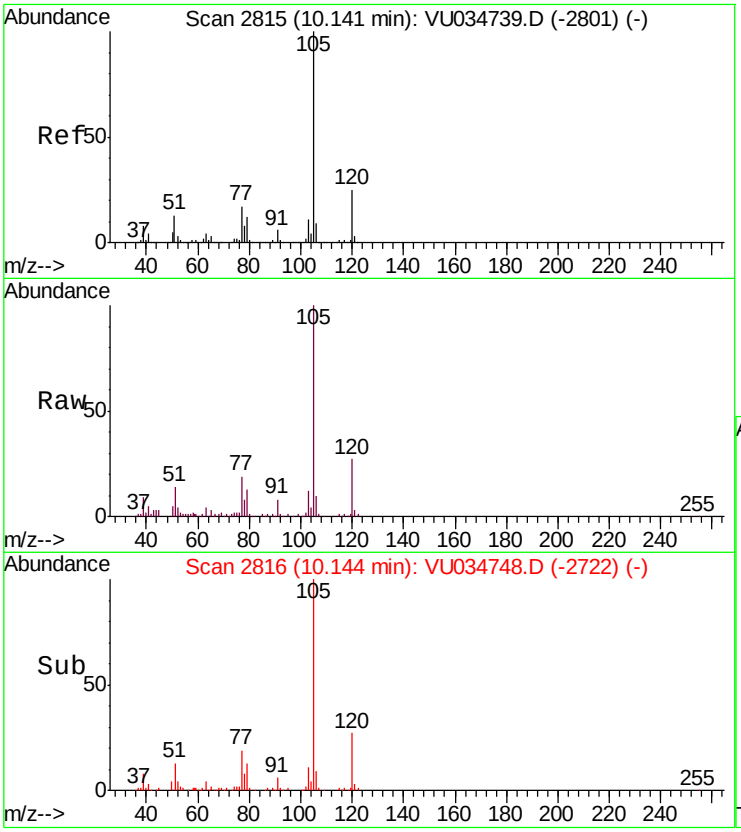


#55
Styrene
Concen: 4.208 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.01 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion:104 Resp: 47989

Ion	Ratio	Lower	Upper
104	100		
78	335.1	35.1	65.3#



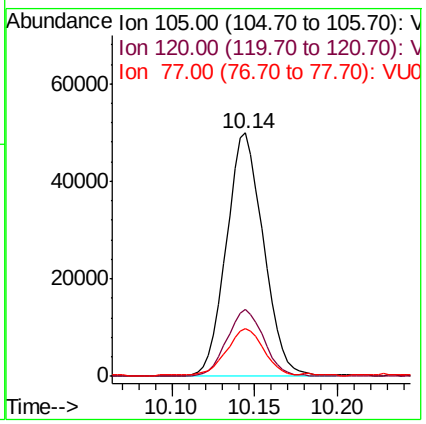


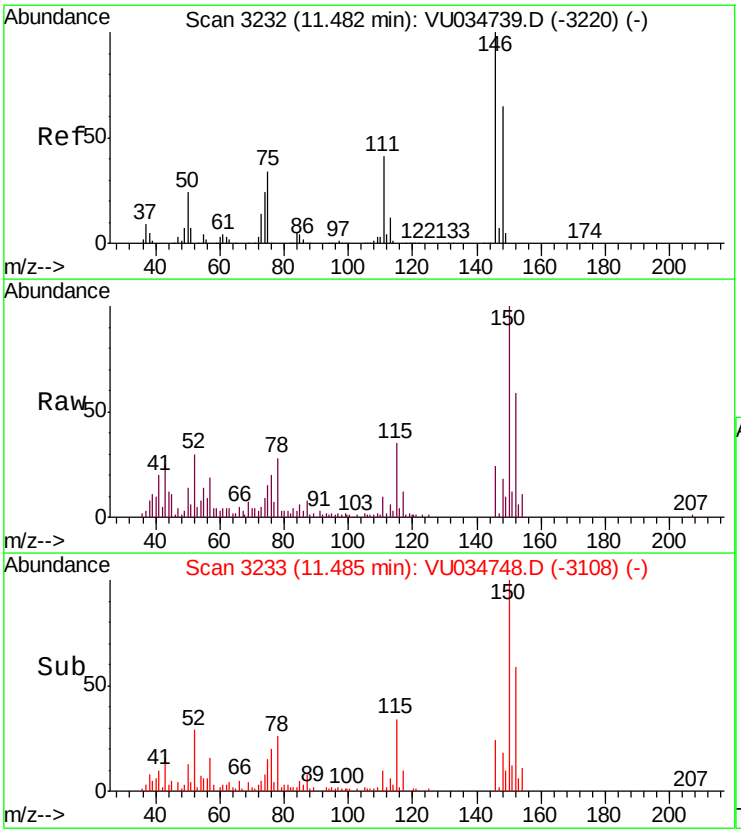
#56
Isopropylbenzene
Concen: 4.290 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument : MSVOA_U
ClientSampleId : BFDG6

Tgt Ion:105 Resp: 77931

Ion	Ratio	Lower	Upper
105	100		
120	27.2	20.4	30.6
77	18.8	14.2	21.4

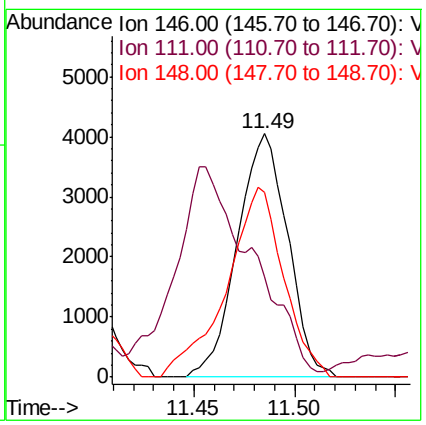


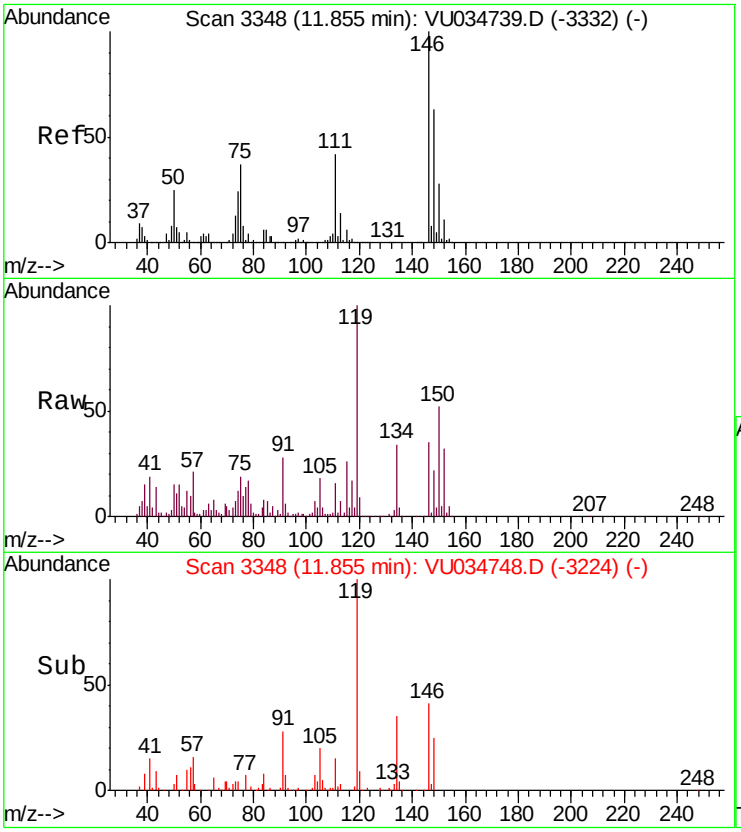


#63
1,4-Dichlorobenzene
Concen: 0.882 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion:146 Resp: 7064

Ion	Ratio	Lower	Upper
146	100		
111	41.1	29.5	54.9
148	75.6	44.4	82.4



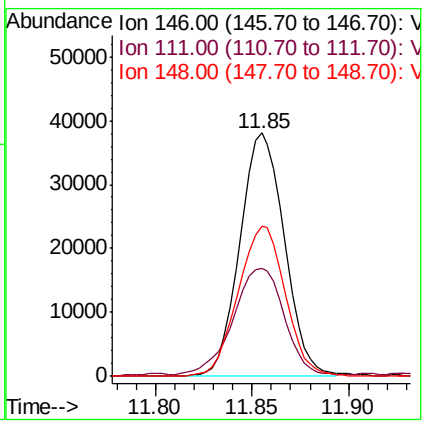


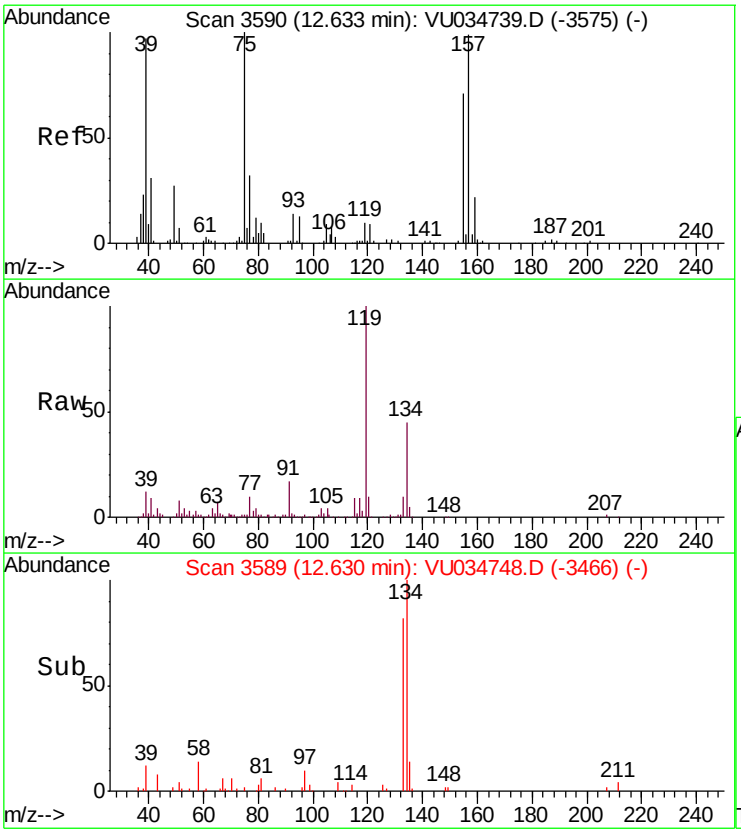
#65
1,2-Dichlorobenzene
Concen: 7.683 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion:146 Resp: 61063

Ion	Ratio	Lower	Upper
146	100		
111	44.5	35.2	52.8
148	61.7	53.0	79.6

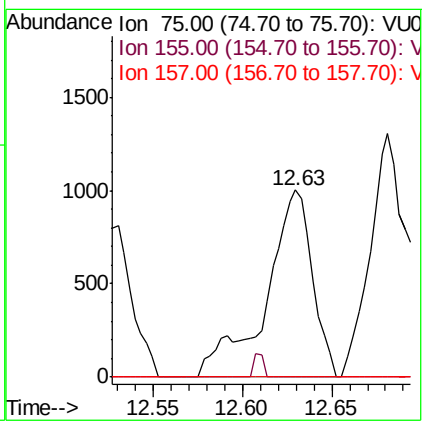


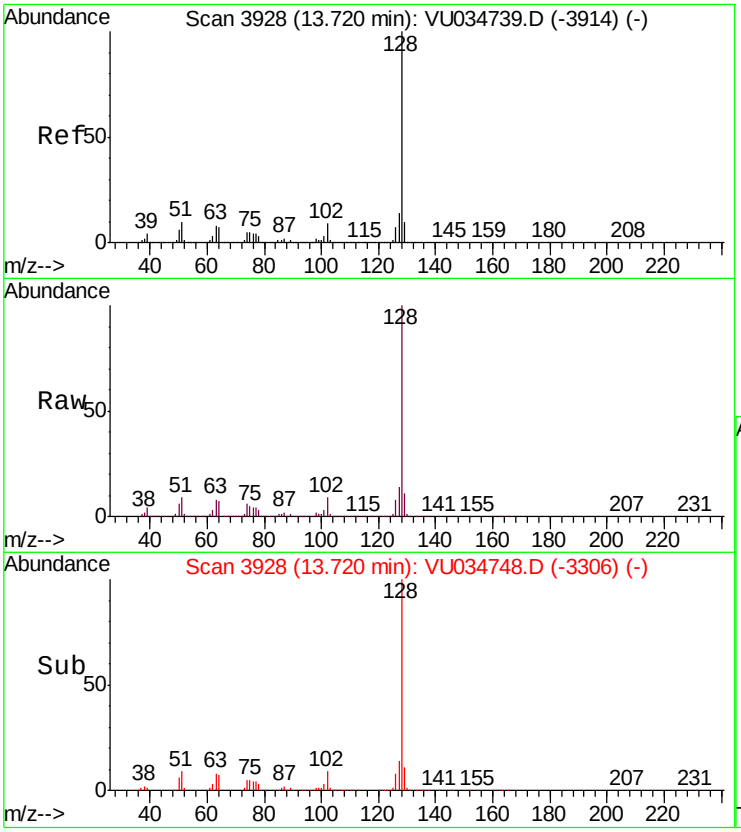


#66
1,2-Dibromo-3-chloropropane
Concen: 1.076 ug/L
RT: 12.63 min Scan# 3589
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Tgt Ion: 75 Resp: 1818

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





#69
Naphthalene
Concen: 98.657 ug/L
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034748.D
Acq: 23 Sep 2019 21:19

Instrument :
MSVOA_U
ClientSampleId :
BFDG6

Tgt Ion:128 Resp: 1415431

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.5	8.6	12.8