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

Quantitation Report (Not Reviewed)

Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Quant Time: Sep 24 03:42:46 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	509268	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	490992	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	241985	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	204507	39.23	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 78.46%			
7) Chloroethane-d5	1.67	69	171984	42.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.36%			
11) 1,1-Dichloroethene-d2	2.26	63	292275	33.10	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.20%			
21) 2-Butanone-d5	4.15	46	461312	115.45	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.45%			
24) Chloroform-d	4.62	84	355340	46.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.76%			
26) 1,2-Dichloroethane-d4	5.29	65	265775	47.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.40%			
32) Benzene-d6	5.32	84	738359	48.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.04%			
36) 1,2-Dichloropropane-d6	6.31	67	263220	49.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.98%			
41) Toluene-d8	7.54	98	696099	48.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.16%			
43) trans-1,3-Dichloropropene-	7.83	79	120531	47.31	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.62%			
47) 2-Hexanone-d5	8.29	63	310005	116.04	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 116.04%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	357712	48.47	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.94%			
64) 1,2-Dichlorobenzene-d4	11.84	152	260971	51.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.86%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2725	0.785	ug/L #	27
12) 1,1-Dichloroethene	2.27	96	4461	1.339	ug/L #	1
13) Acetone	2.31	43	610487	131.342	ug/L	98
16) Methylene chloride	2.68	84	68204	16.160	ug/L	97
19) 1,1-Dichloroethane	3.42	63	38530	4.611	ug/L	97
20) cis-1,2-Dichloroethene	4.21	96	11140	2.615	ug/L	86
22) 2-Butanone	4.24	43	142619	25.792	ug/L	99
27) 1,2-Dichloroethane	5.36	62	6573	0.925	ug/L #	81
29) Cyclohexane	4.97	56	12657	1.562	ug/L #	61
33) Benzene	5.37	78	638678	37.506	ug/L	100
34) Trichloroethene	6.16	95	181183	43.082	ug/L	94
35) Methylcyclohexane	6.39	83	9117	1.277	ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	6400415	661.164	ug/L	99
42) Toluene	7.61	91	5285997	287.228	ug/L	99
46) Tetrachloroethene	8.21	164	32511	10.990	ug/L	96
48) 2-Hexanone	8.34	43	40866	5.405	ug/L #	97
49) Dibromochloromethane	8.20	129	32336	7.143	ug/L #	10

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

Quantitation Report (Not Reviewed)

Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Quant Time: Sep 24 03:42:46 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)
51) Chlorobenzene	9.10	112	12272	1.097	ug/L	#	87
52) Ethylbenzene	9.23	91	1019625	49.201	ug/L		99
53) m,p-Xylene	9.35	106	1325889	180.632	ug/L		98
54) o-xylene	9.76	106	705449	97.167	ug/L		100
55) Styrene	9.76	104	48973	3.985	ug/L	#	1
56) Isopropylbenzene	10.14	105	66717	3.408	ug/L		99
62) 1,3-Dichlorobenzene	11.40	146	9210	1.099	ug/L		91
63) 1,4-Dichlorobenzene	11.48	146	21108	2.473	ug/L		94
65) 1,2-Dichlorobenzene	11.85	146	227914	26.917	ug/L		99
69) Naphthalene	13.72	128	1696185	110.967	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 : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
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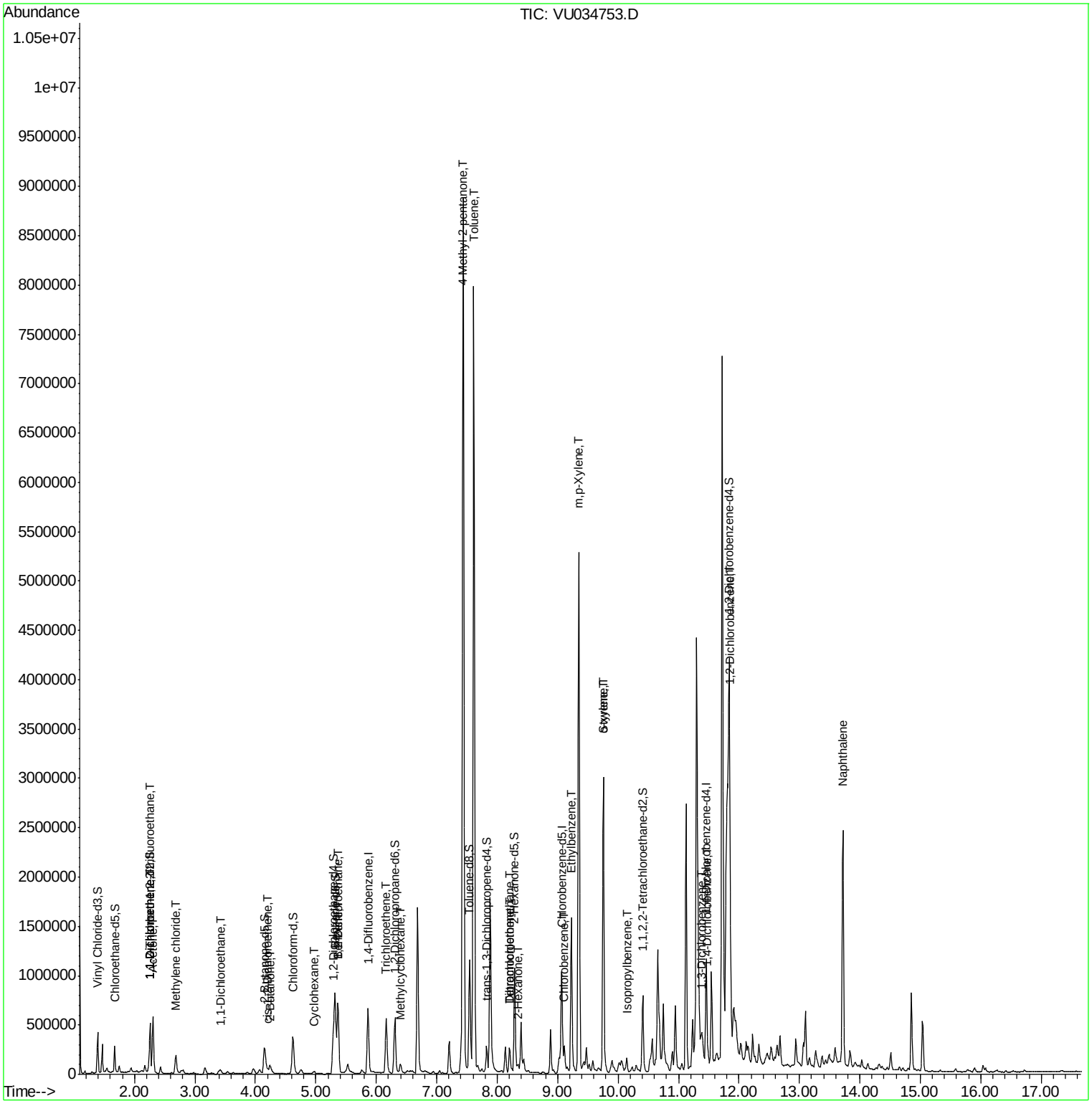
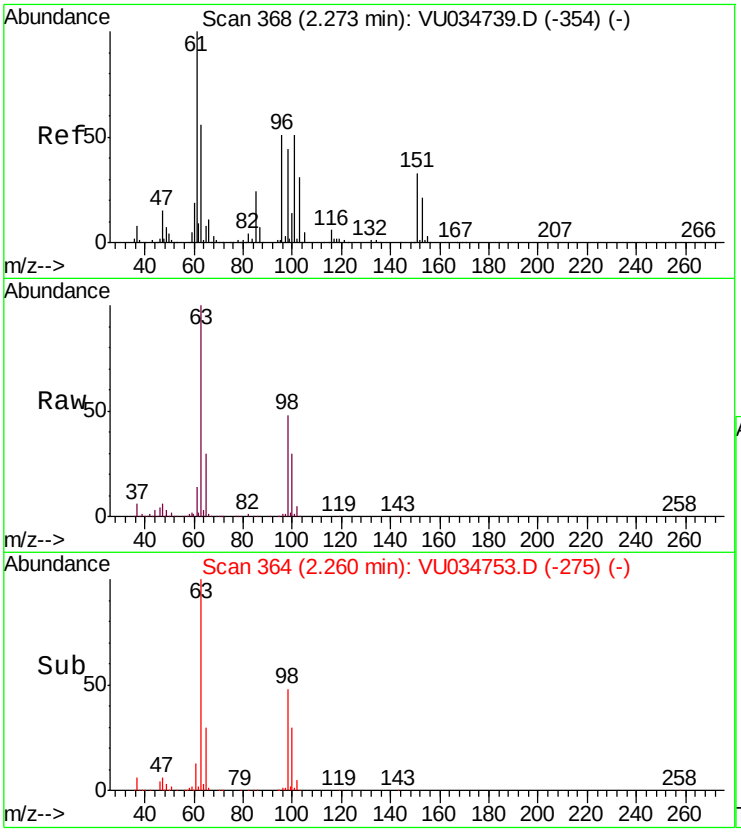
Quant Time: Sep 24 03:42:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration



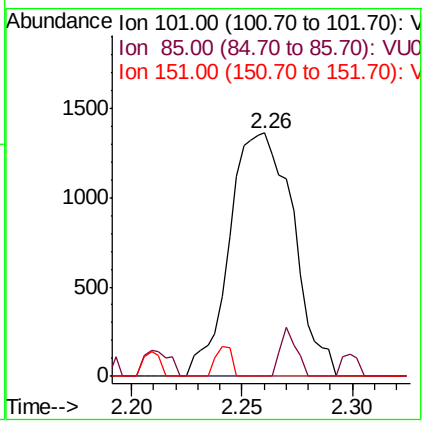


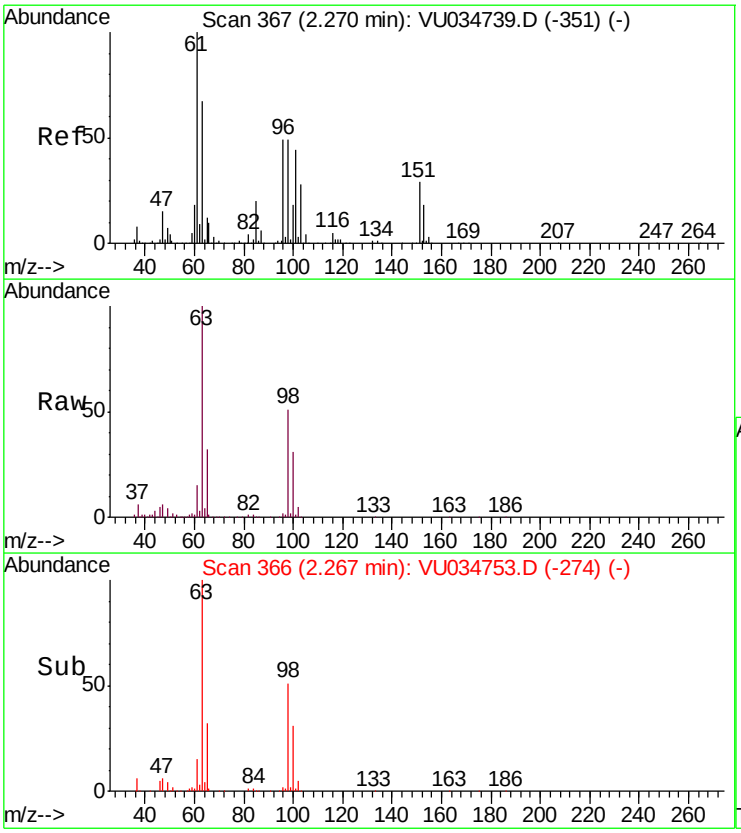
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.785 ug/L
RT: 2.26 min Scan# 364
Delta R.T. -0.01 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
BFDJ8

Tgt Ion:101 Resp: 2725

Ion	Ratio	Lower	Upper
101	100		
85	4.9	39.0	58.4#
151	3.0	52.8	79.2#

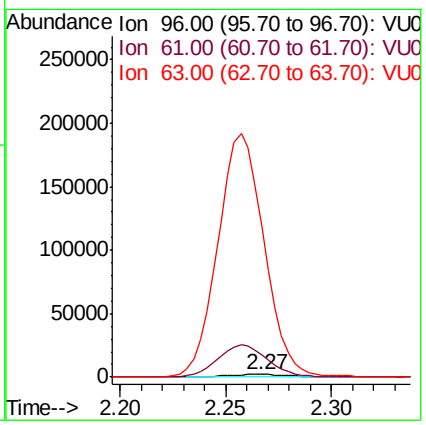


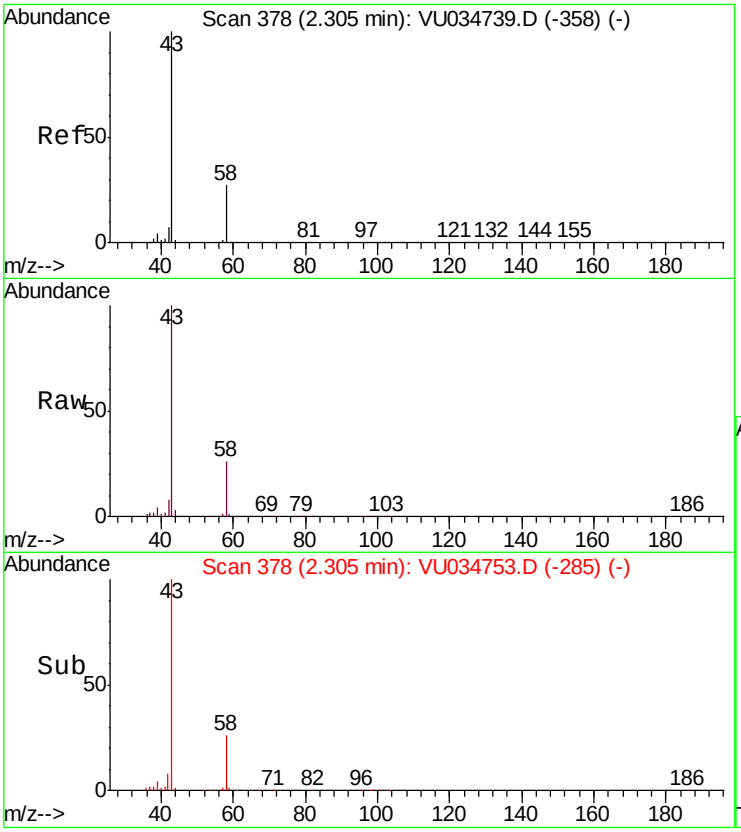


#12
1,1-Dichloroethene
Concen: 1.339 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 96 Resp: 4461

Ion	Ratio	Lower	Upper
96	100		
61	837.4	153.2	284.4#
63	5604.9	113.8	211.3#



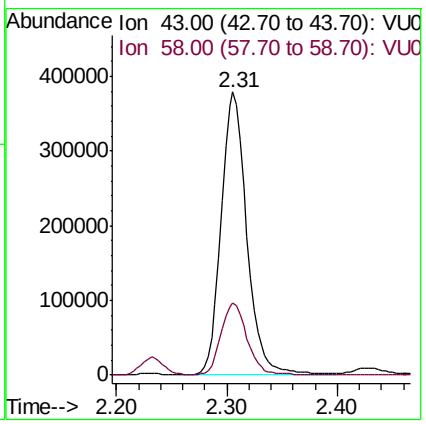


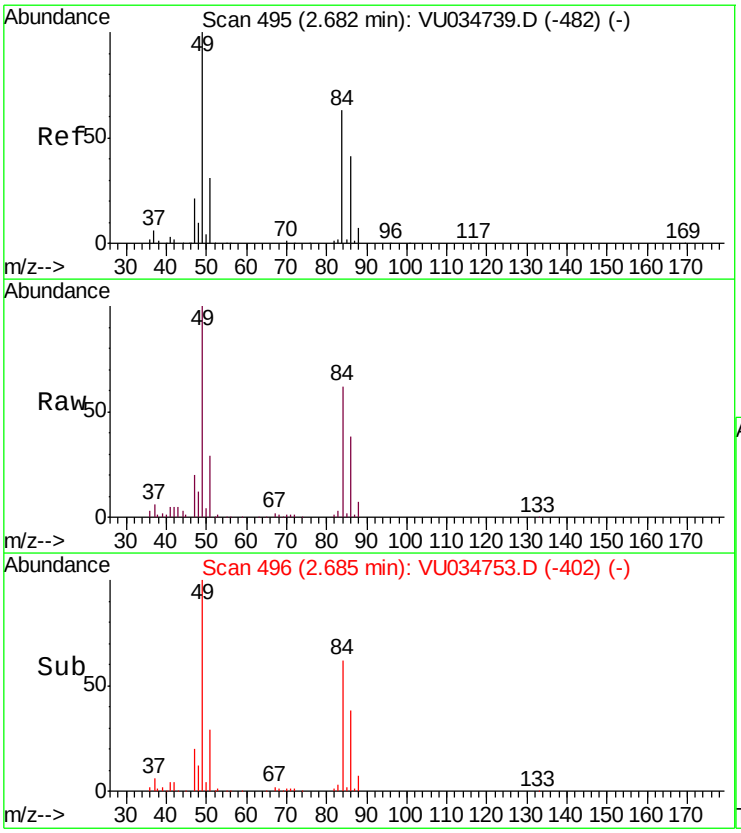
#13
Acetone
Concen: 131.342 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Tgt Ion: 43 Resp: 610487

Ion	Ratio	Lower	Upper
43	100		
58	25.6	0.0	53.4

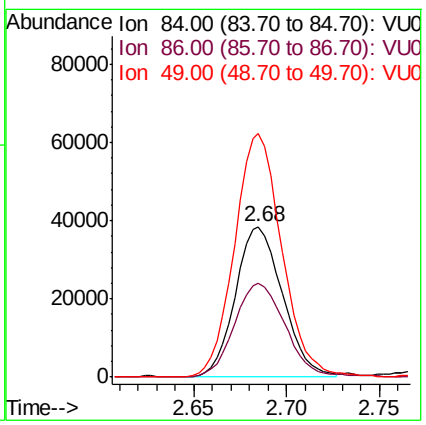


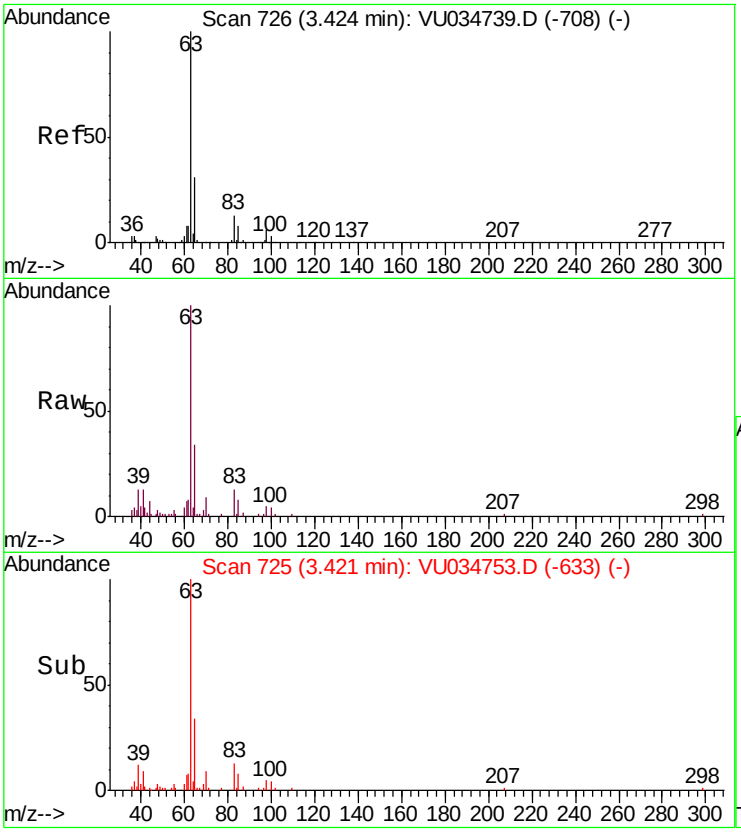


#16
Methylene chloride
Concen: 16.160 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 84 Resp: 68204

Ion	Ratio	Lower	Upper
84	100		
86	62.2	43.0	80.0
49	161.8	109.7	203.7



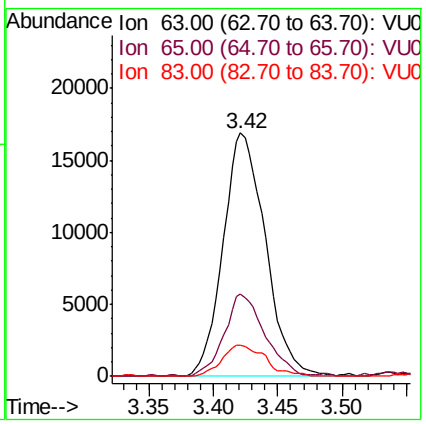


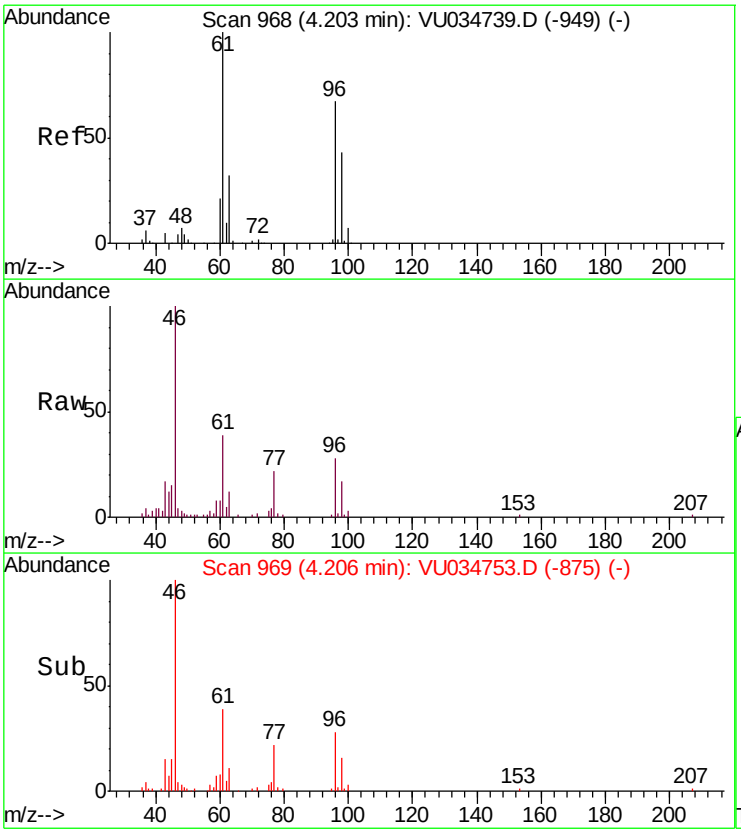
#19
1,1-Dichloroethane
Concen: 4.611 ug/L
RT: 3.42 min Scan# 725
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Tgt Ion: 63 Resp: 38530

Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.0	40.8
83	12.7	8.9	16.5

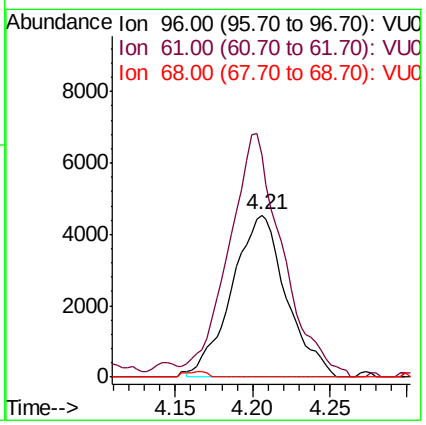


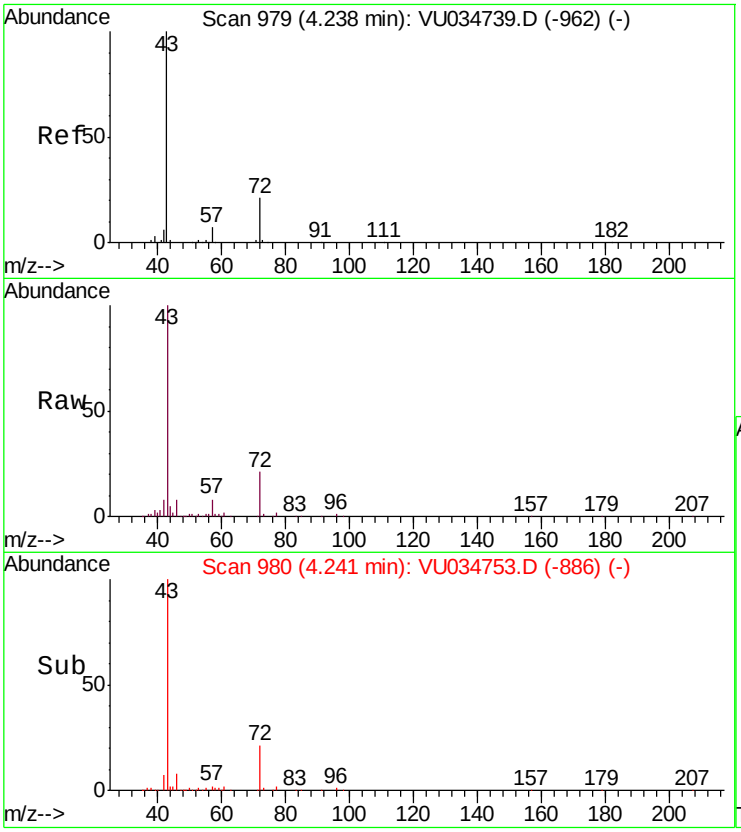


#20
cis-1,2-Dichloroethene
Concen: 2.615 ug/L
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 96 Resp: 11140

Ion	Ratio	Lower	Upper
96	100		
61	136.9	108.8	202.2
68	0.0	0.0	0.0



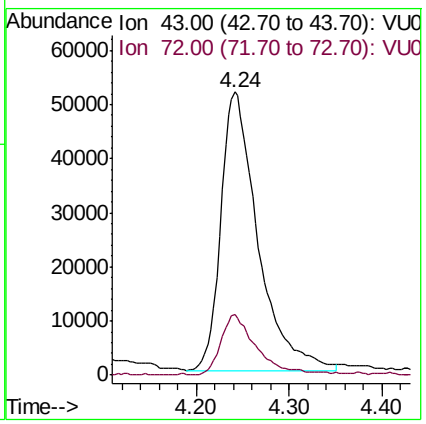


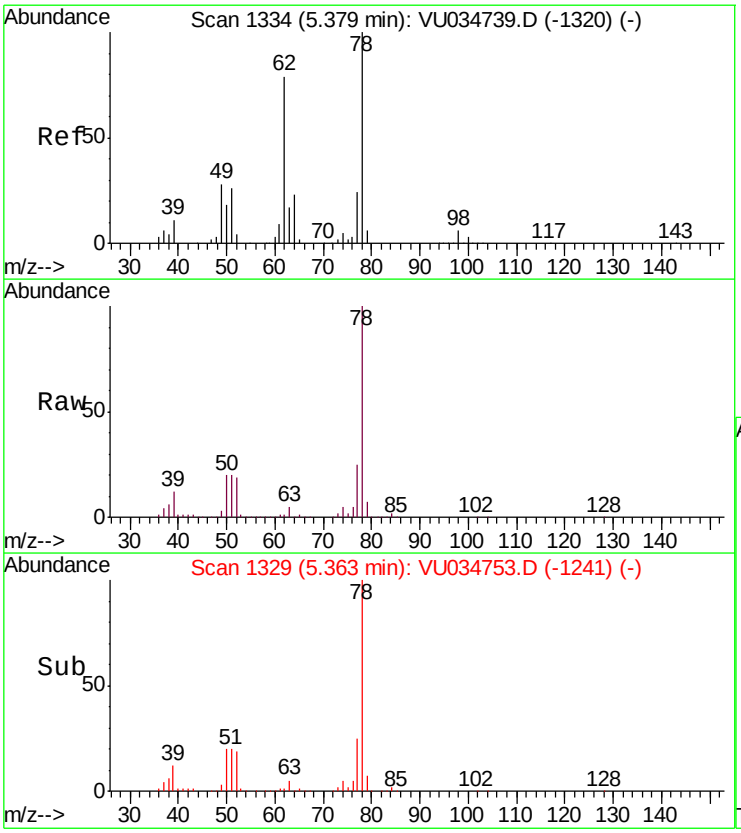
#22
2-Butanone
Concen: 25.792 ug/L
RT: 4.24 min Scan# 980
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
BFDJ8

Tgt Ion: 43 Resp: 142619

Ion	Ratio	Lower	Upper
43	100		
72	19.8	10.2	30.6

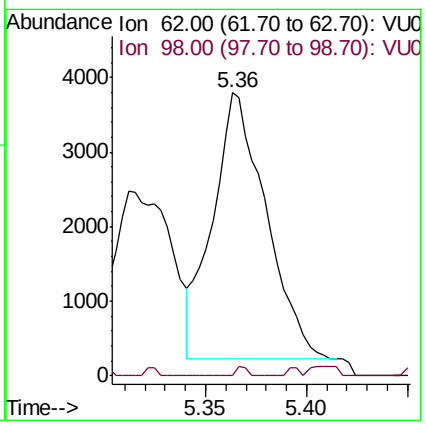


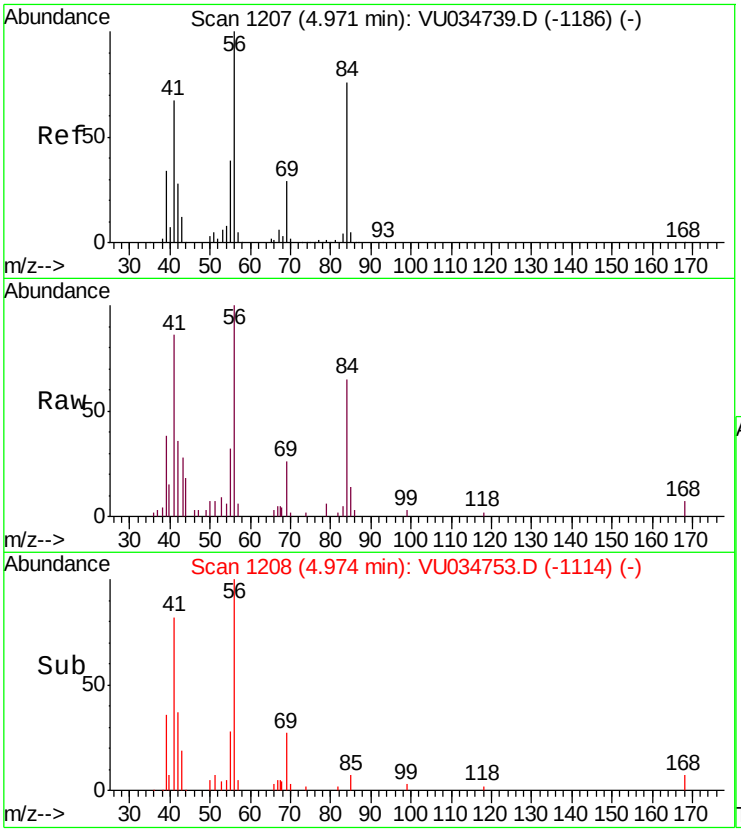


#27
1,2-Dichloroethane
Concen: 0.925 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 62 Resp: 6573

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.3	7.9#



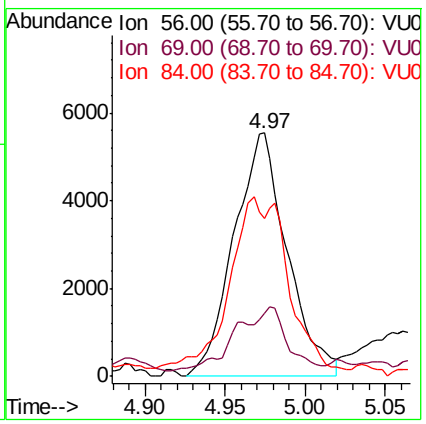


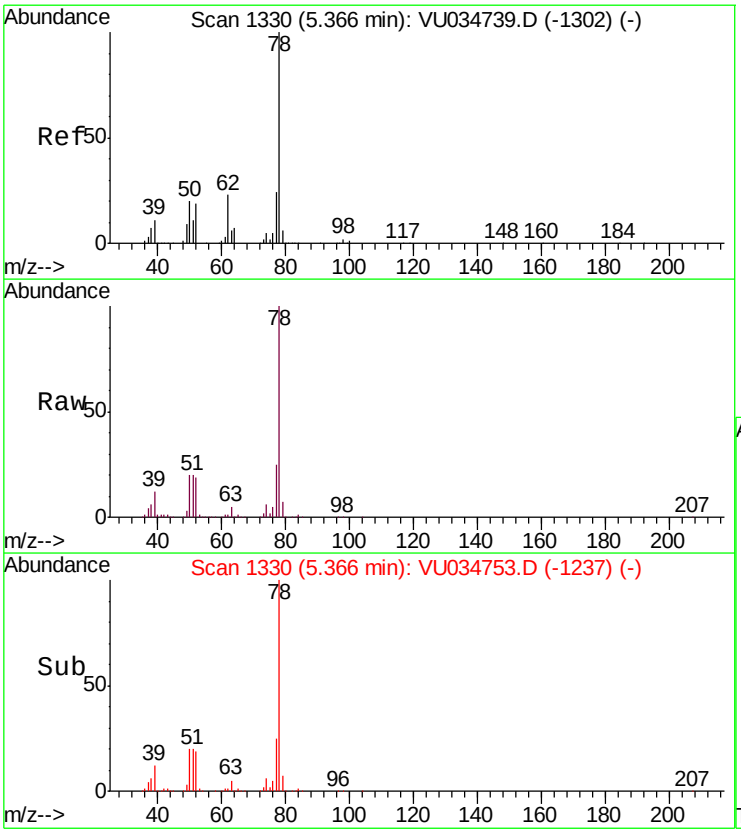
#29
Cyclohexane
Concen: 1.562 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
BFDJ8

Tgt Ion: 56 Resp: 12657

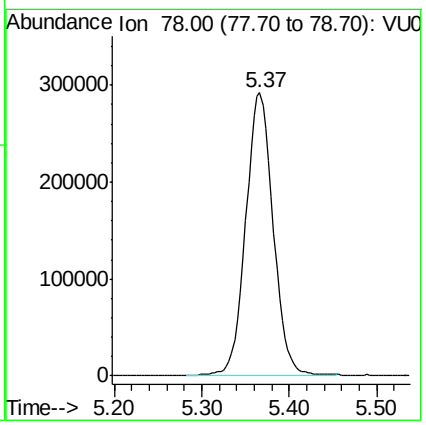
Ion	Ratio	Lower	Upper
56	100		
69	12.2	21.7	32.5#
84	37.2	58.8	88.2#

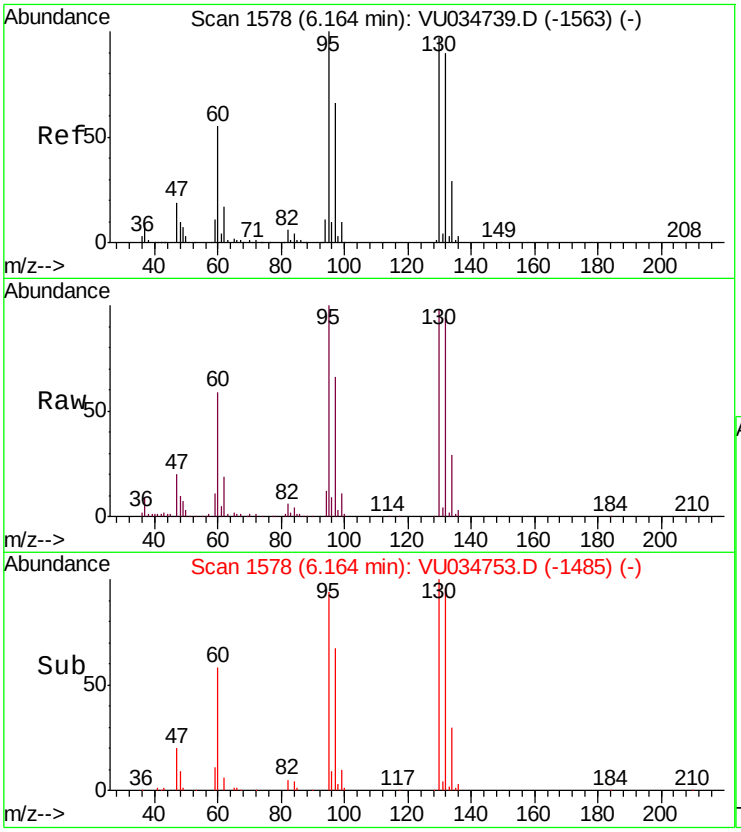




#33
Benzene
Concen: 37.506 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 78 Resp: 638678



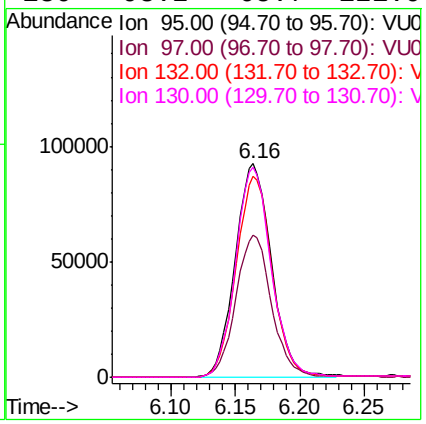


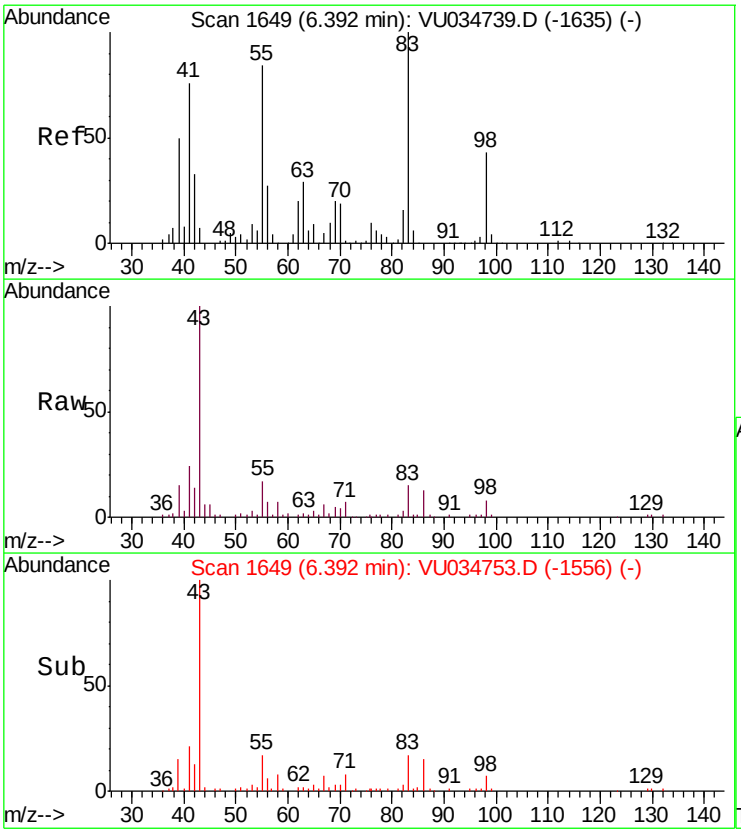
#34
Trichloroethene
Concen: 43.082 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
BFDJ8

Tgt Ion: 95 Resp: 181183

Ion	Ratio	Lower	Upper
95	100		
97	66.3	43.7	81.1
132	94.3	61.0	113.2
130	98.2	65.7	121.9

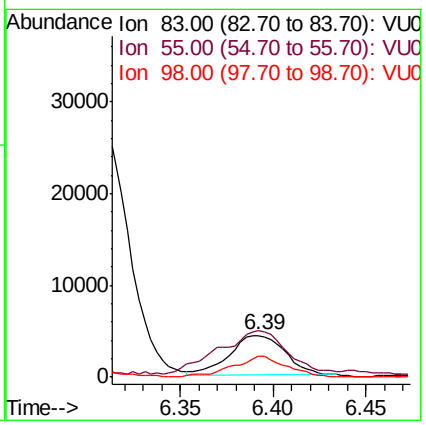


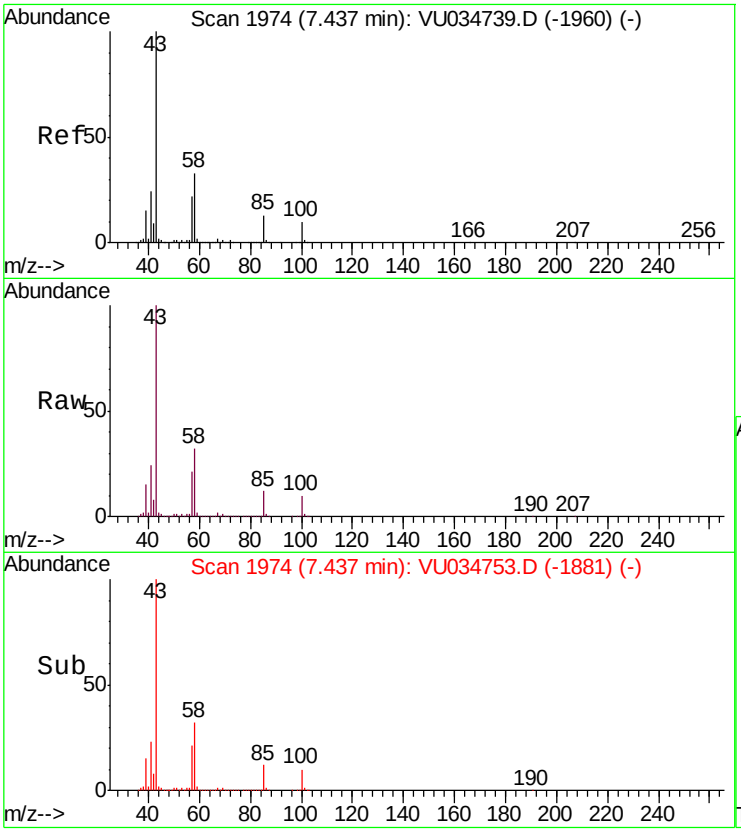


#35
Methylcyclohexane
Concen: 1.277 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 83 Resp: 9117

Ion	Ratio	Lower	Upper
83	100		
55	85.7	71.6	107.4
98	47.3	35.7	53.5



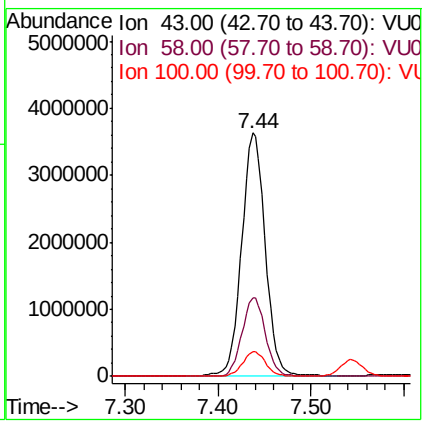


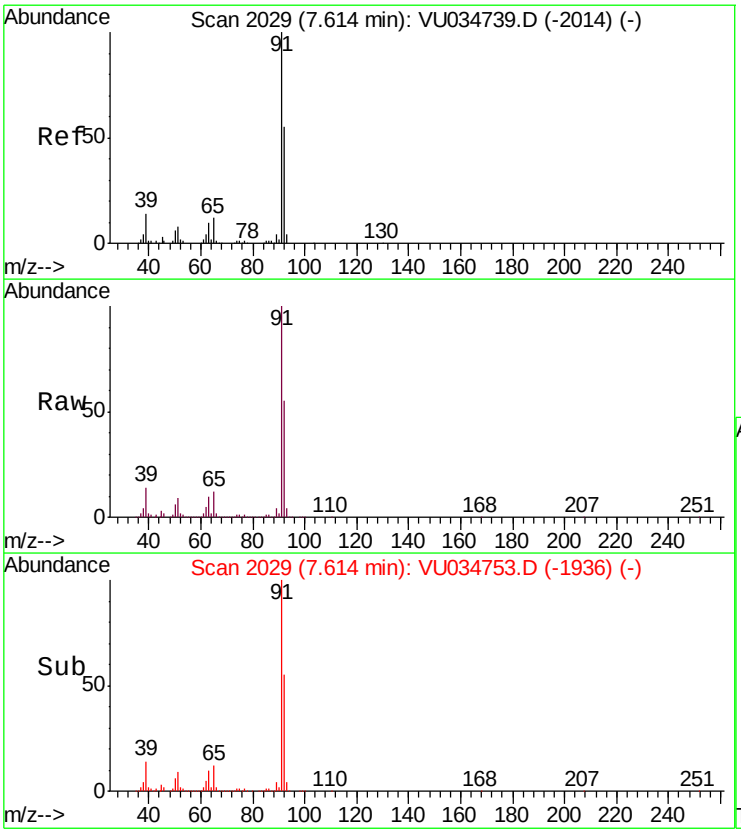
#40
4-Methyl-2-pentanone
Concen: 661.164 ug/L
RT: 7.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Tgt Ion: 43 Resp: 6400415

Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.2	37.8
100	10.0	7.7	11.5

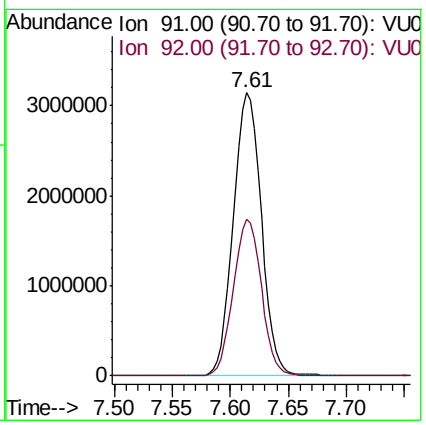


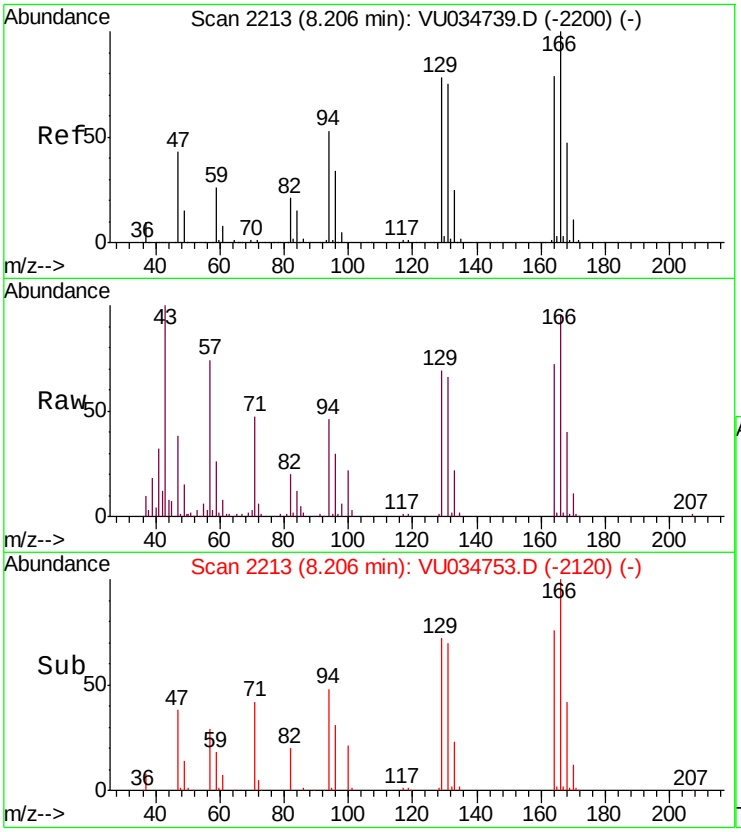


#42
Toluene
Concen: 287.228 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 91 Resp: 5285997

Ion	Ratio	Lower	Upper
91	100		
92	55.2	38.2	71.0



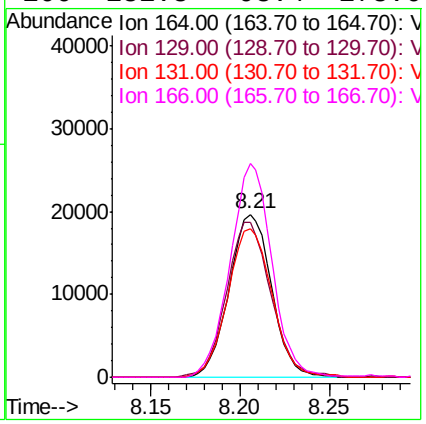


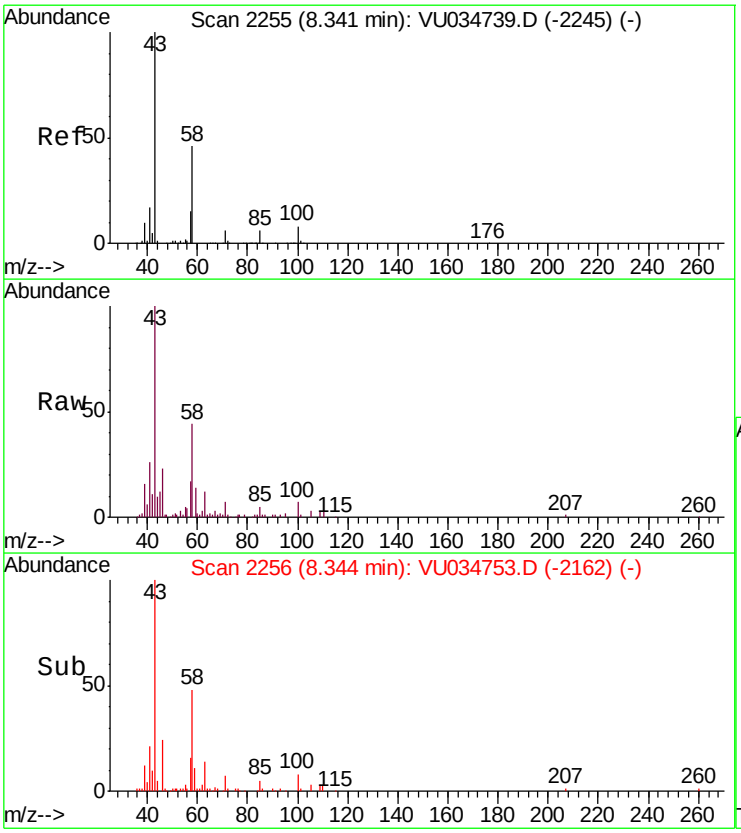
#46
Tetrachloroethene
Concen: 10.990 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Tgt Ion:164 Resp: 32511

Ion	Ratio	Lower	Upper
164	100		
129	94.9	71.9	133.5
131	91.3	66.3	123.1
166	131.3	93.4	173.6

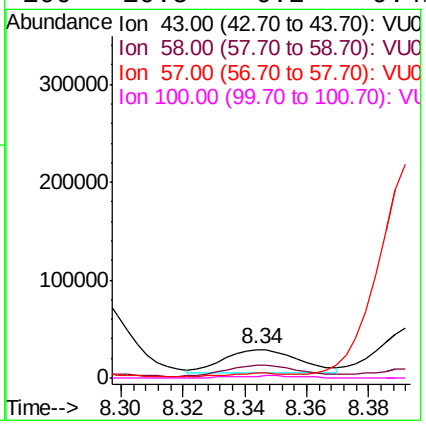


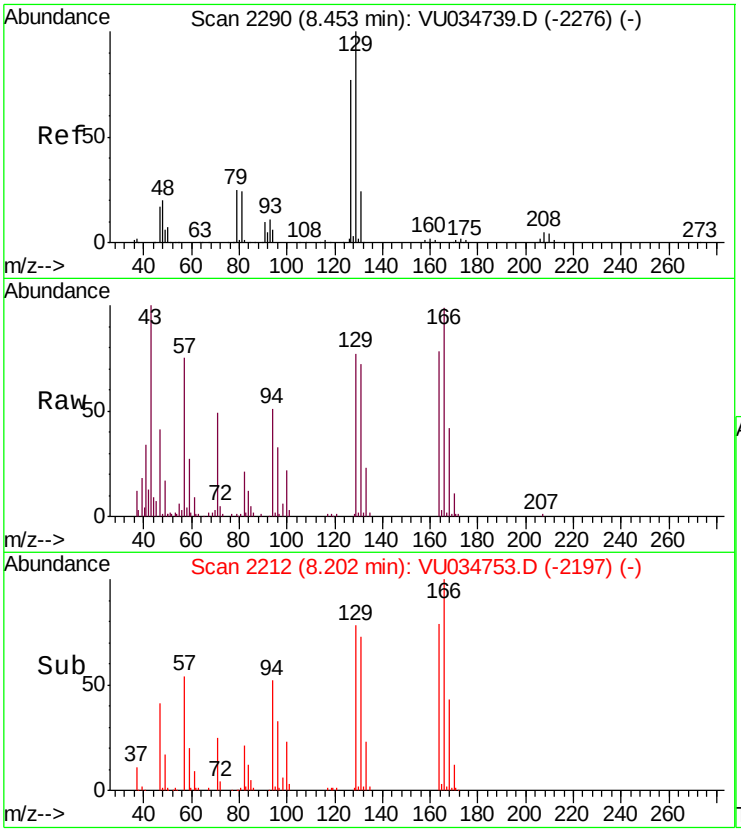


#48
2-Hexanone
Concen: 5.405 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion: 43 Resp: 40866

Ion	Ratio	Lower	Upper
43	100		
58	45.7	35.3	52.9
57	14.7	12.1	18.1
100	10.5	6.2	9.4#



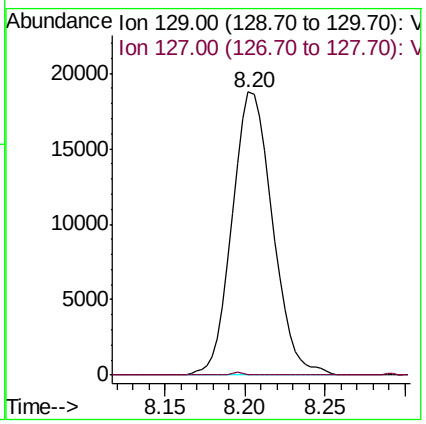


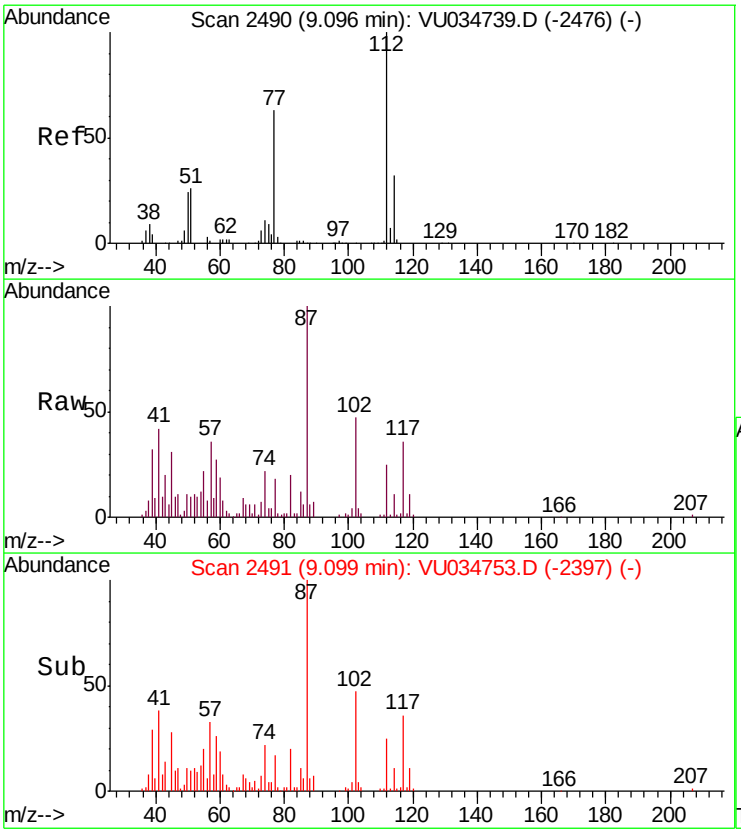
#49
Dibromochloromethane
Concen: 7.143 ug/L
RT: 8.20 min Scan# 2212
Delta R.T. -0.25 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
BFDJ8

Tgt Ion:129 Resp: 32336

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.5	103.1#

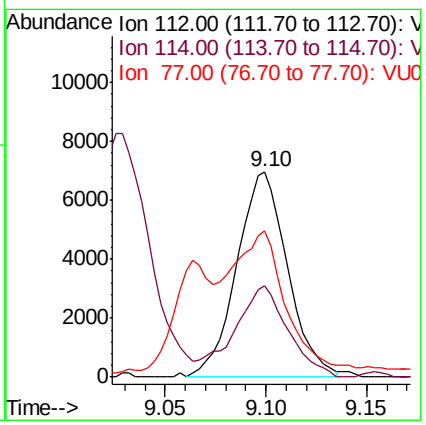


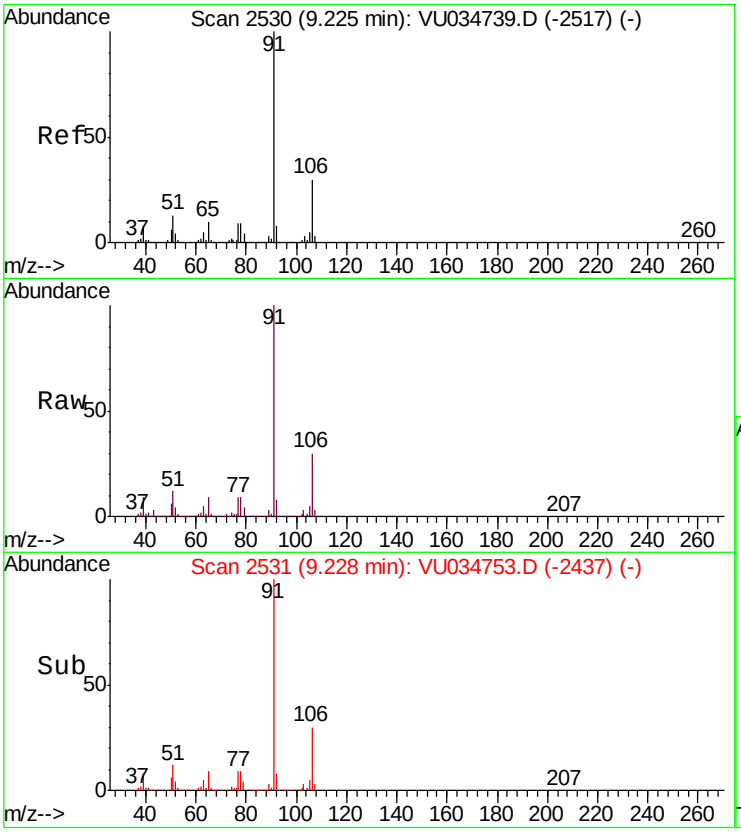


#51
Chlorobenzene
Concen: 1.097 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion:112 Resp: 12272

Ion	Ratio	Lower	Upper
112	100		
114	44.4	22.8	42.4#
77	71.1	51.5	77.3



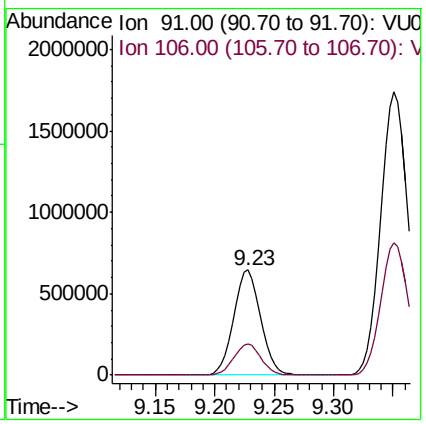


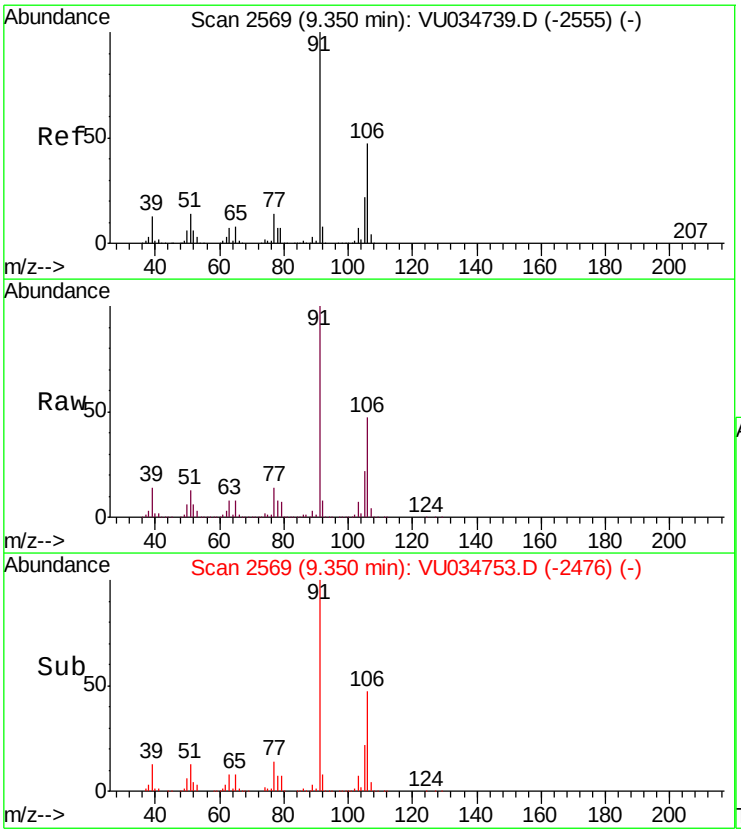
#52
Ethylbenzene
Concen: 49.201 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Tgt Ion: 91 Resp: 1019625

Ion	Ratio	Lower	Upper
91	100		
106	30.0	20.6	38.4

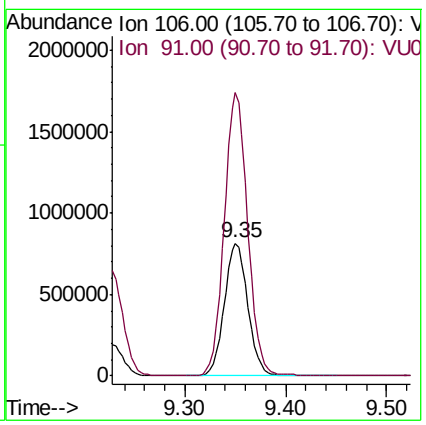


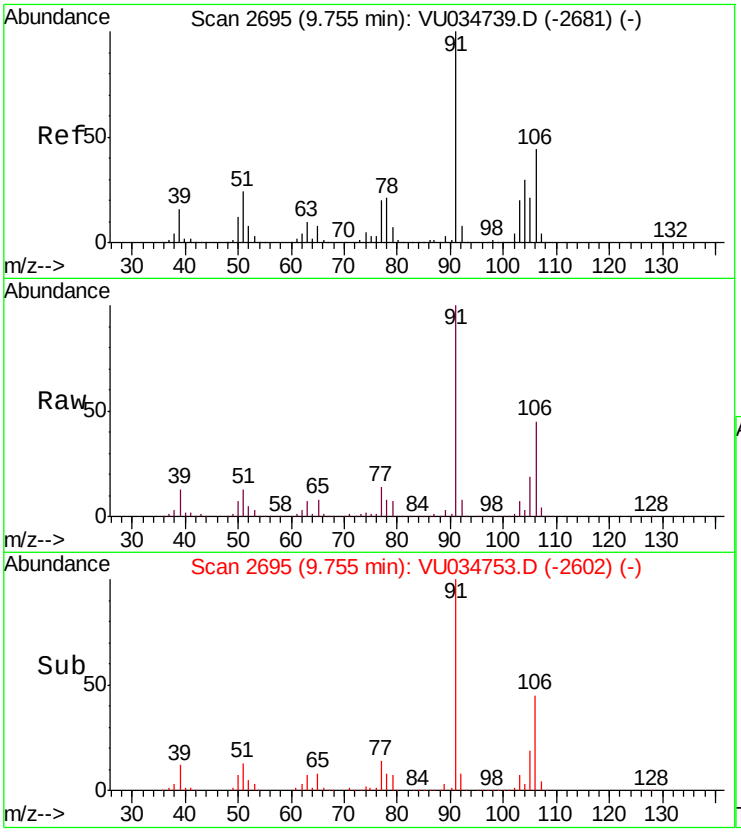


#53
m,p-Xylene
Concen: 180.632 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion:106 Resp: 1325889

Ion	Ratio	Lower	Upper
106	100		
91	213.3	146.9	272.7



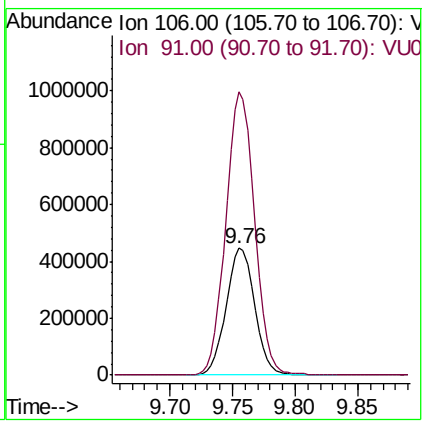


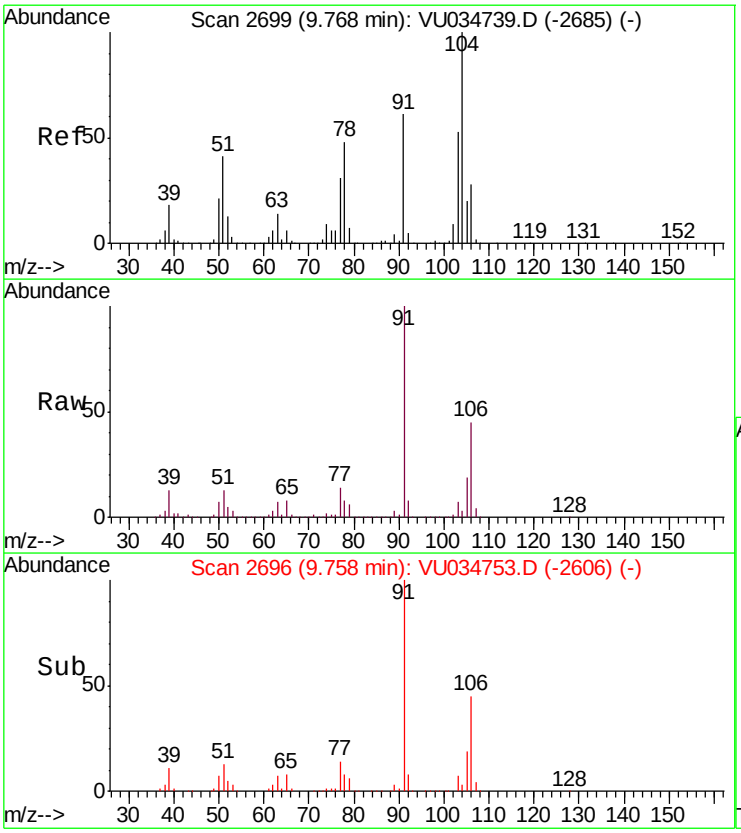
#54
o-xylene
Concen: 97.167 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Tgt Ion:106 Resp: 705449

Ion	Ratio	Lower	Upper
106	100		
91	223.0	155.6	289.0

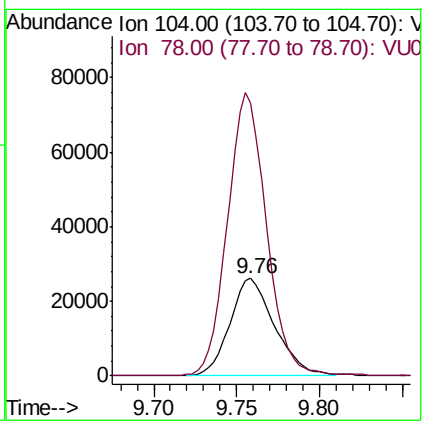


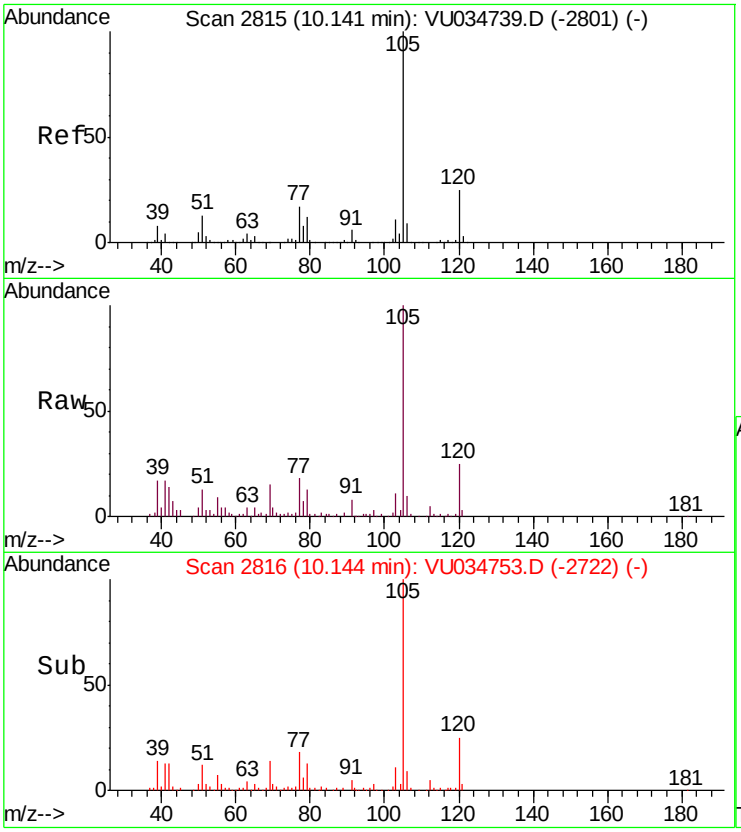


#55
Styrene
Concen: 3.985 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. -0.01 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion:104 Resp: 48973

Ion	Ratio	Lower	Upper
104	100		
78	280.2	35.1	65.3#



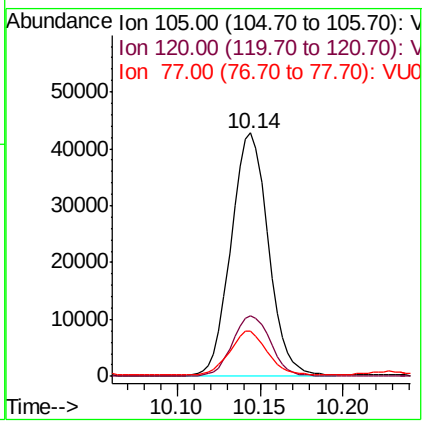


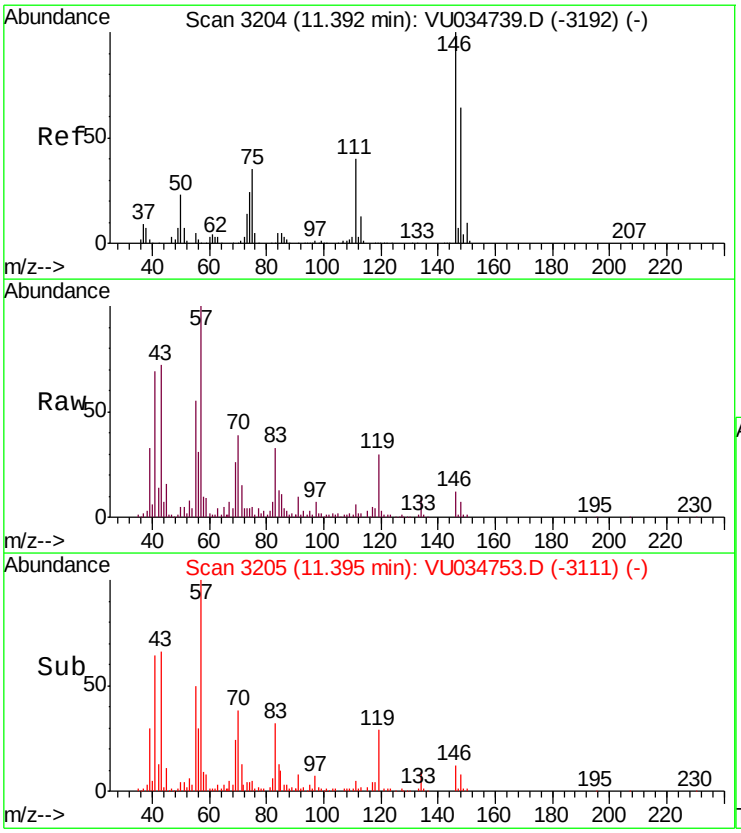
#56
Isopropylbenzene
Concen: 3.408 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
BFDJ8

Tgt Ion:105 Resp: 66717

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6
77	18.3	14.2	21.4

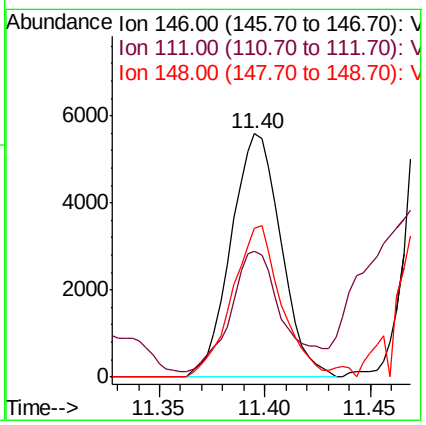


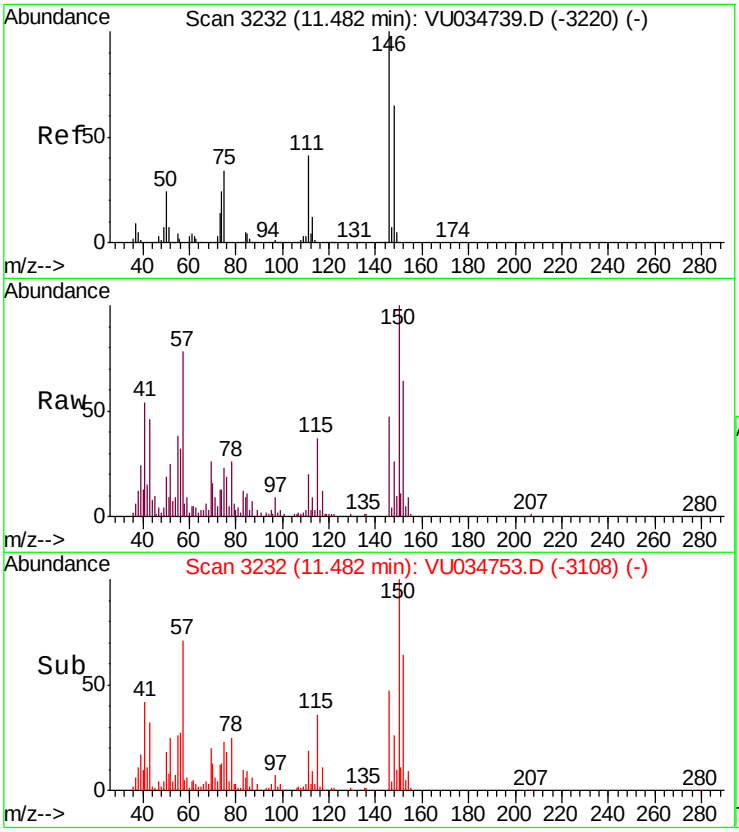


#62
1,3-Dichlorobenzene
Concen: 1.099 ug/L
RT: 11.40 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion:146 Resp: 9210

Ion	Ratio	Lower	Upper
146	100		
111	51.7	30.4	56.5
148	61.3	46.1	85.7



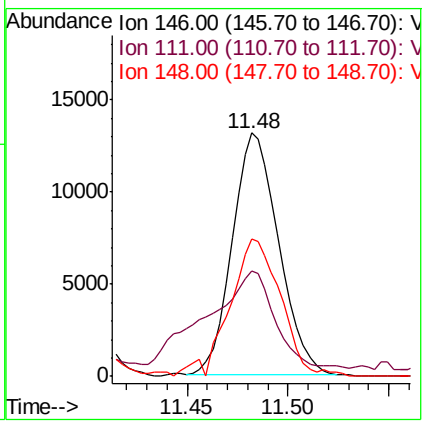


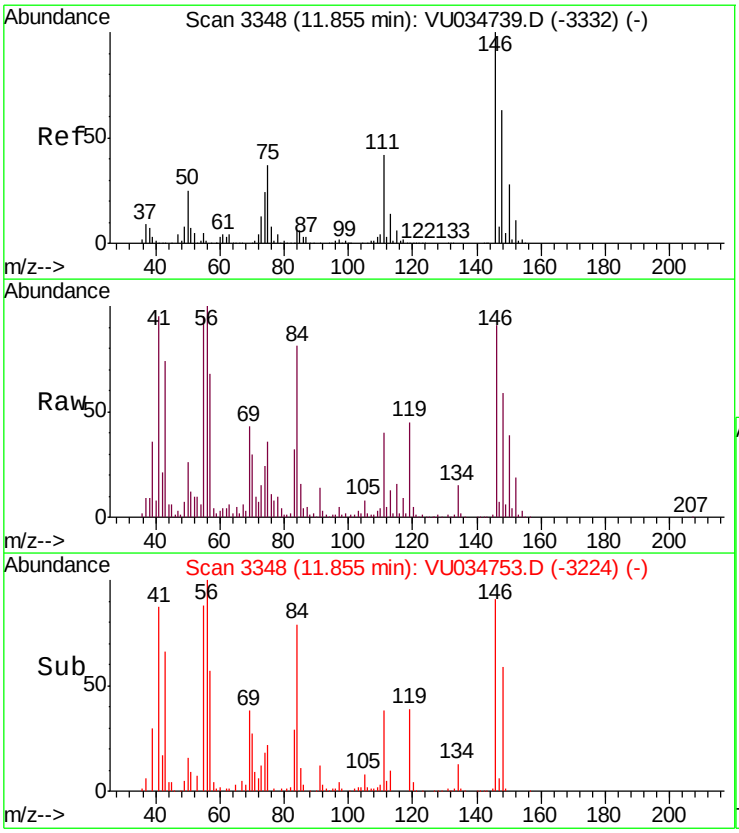
#63
1,4-Dichlorobenzene
Concen: 2.473 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument : MSVOA_U
ClientSampleId : BFDJ8

Tgt Ion:146 Resp: 21108

Ion	Ratio	Lower	Upper
146	100		
111	43.4	29.5	54.9
148	56.4	44.4	82.4

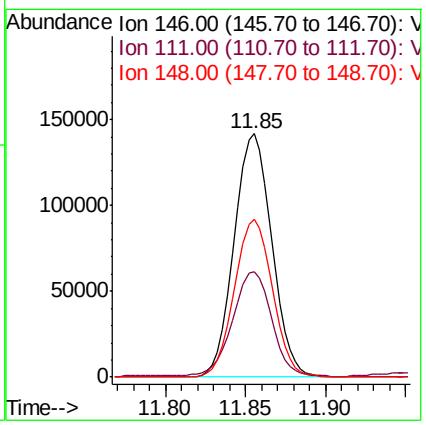


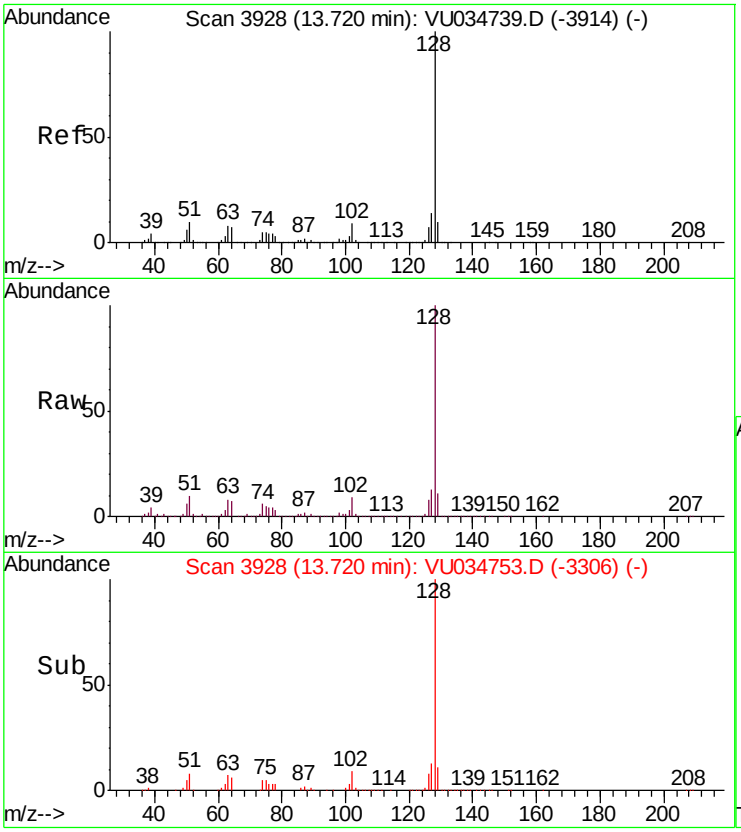


#65
1,2-Dichlorobenzene
Concen: 26.917 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Tgt Ion:146 Resp: 227914

Ion	Ratio	Lower	Upper
146	100		
111	43.5	35.2	52.8
148	64.8	53.0	79.6





#69
Naphthalene
Concen: 110.967 ug/L
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034753.D
Acq: 23 Sep 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
BFDJ8

Tgt Ion:128 Resp: 1696185

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.9	8.6	12.8