Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034538.D
Acq On : 31 Dec 2019 8:22
Operator : SY/AP
Sample : K6470-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
44-1DL

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Quant Time: Dec 31 16:15:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 3
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1037051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2090057	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2010173	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1691682	10.09	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.96	51	51928	0.420	ppbv	96
9) Propene	2.99	41	14333	0.301	ppbv	84
13) Ethanol	3.59	45	94879	7.178	ppbv	96
15) Acetone	3.84	43	188513	1.246	ppbv	96
19) Isopropyl Alcohol	3.97	45	62476	0.638	ppbv #	95
20) Methylene Chloride	4.33	84	12873m	0.216	ppbv	
34) 2-Butanone	5.26	43	41291m	0.276	ppbv	
53) Toluene	9.84	91	23449m	0.117	ppbv	

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

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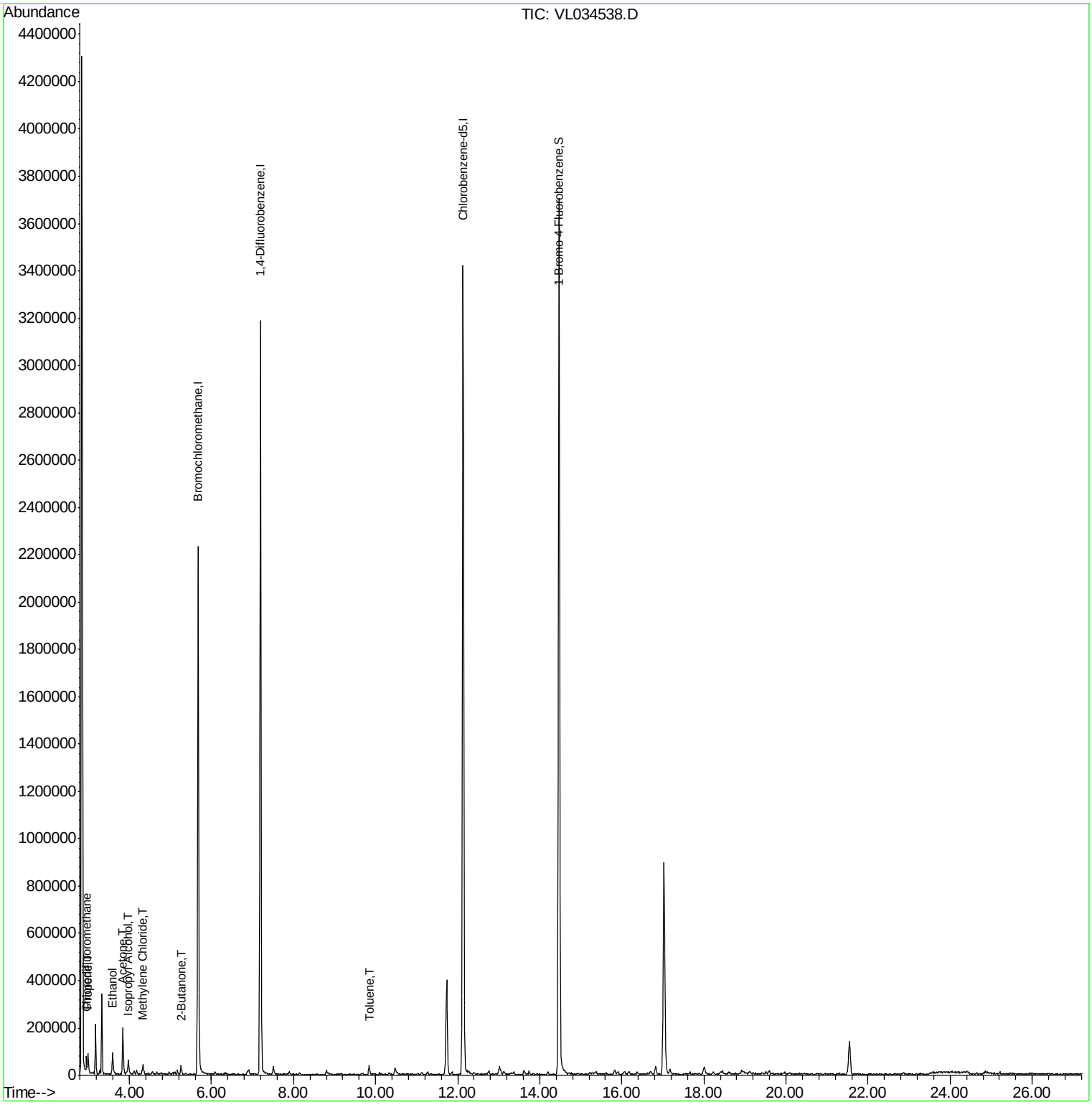
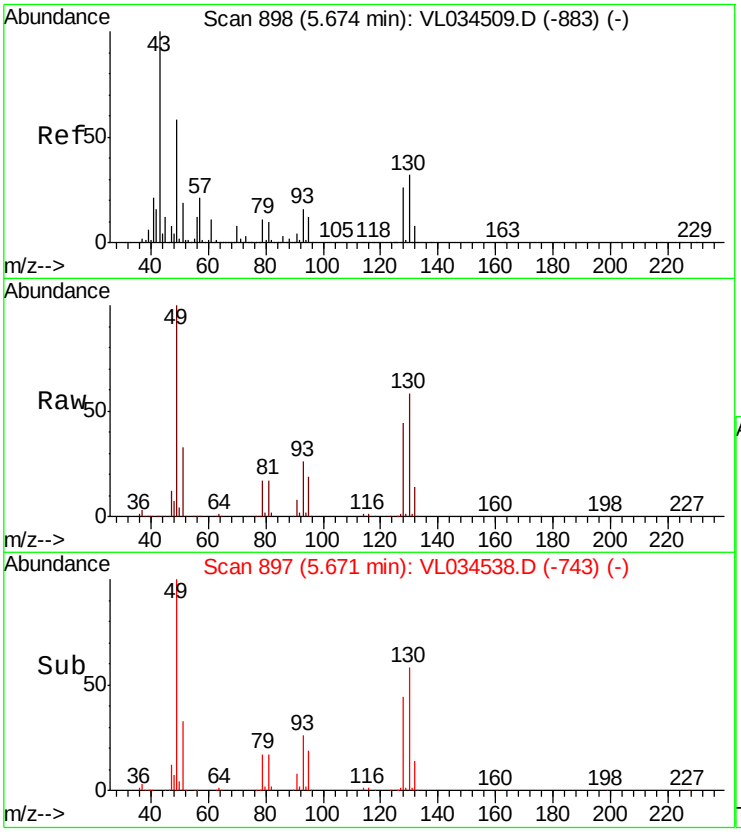
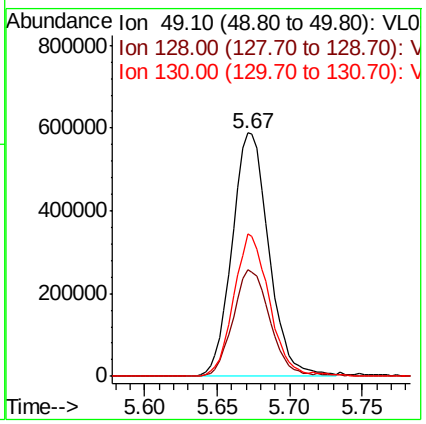




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 49 Resp: 1037051

Ion	Ratio	Lower	Upper
49	100		
128	44.3	22.4	67.2
130	57.3	28.3	85.0



Instrument :
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ClientSampleId :
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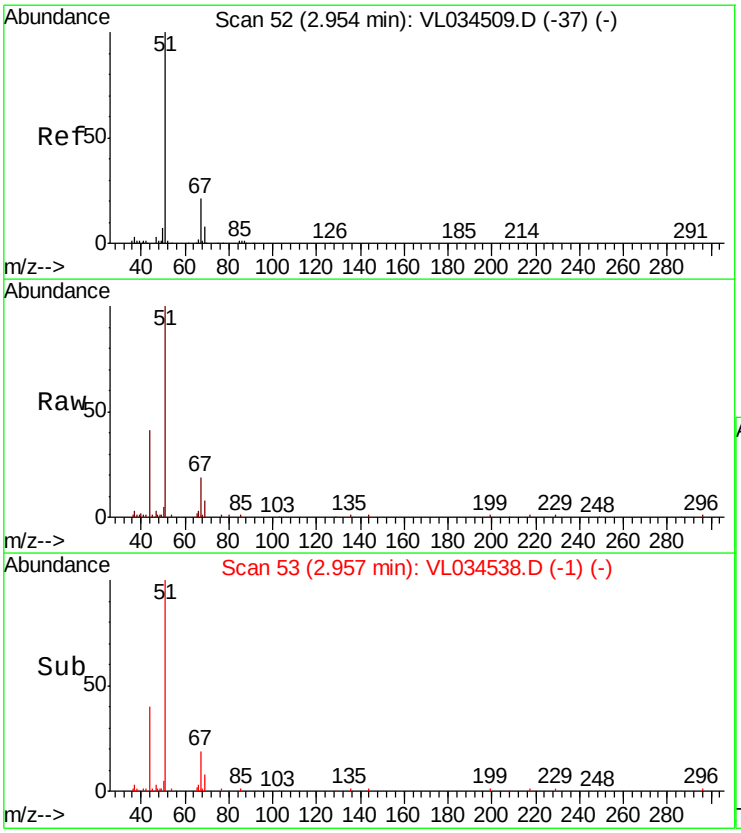
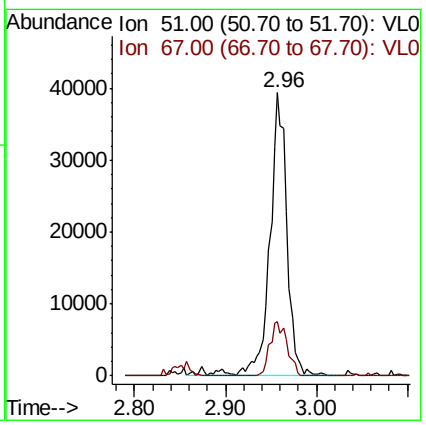
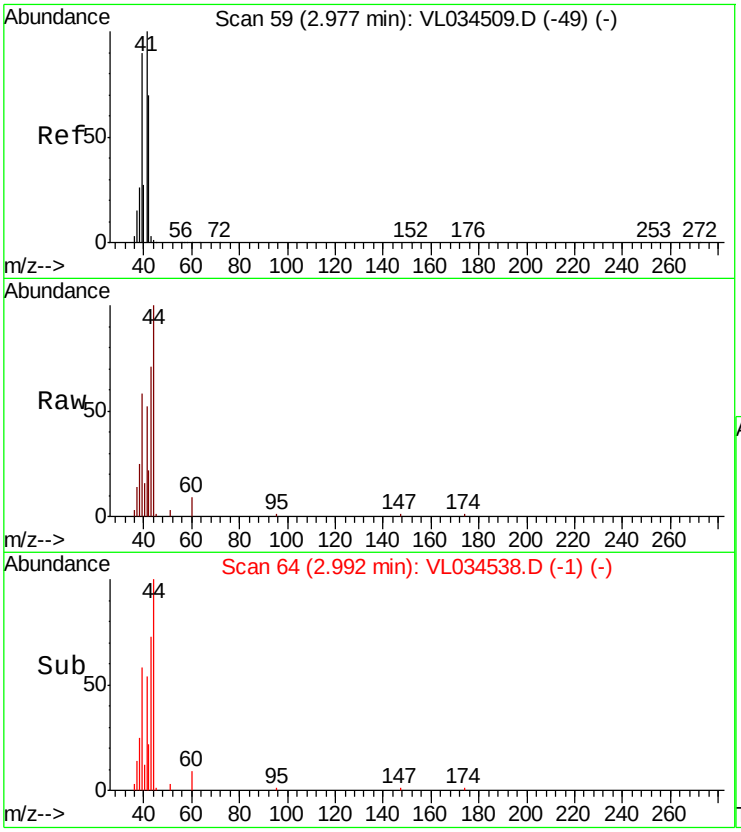


#3
Chlorodifluoromethane
Concen: 0.420 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.00 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 51 Resp: 51928

Ion	Ratio	Lower	Upper
51	100		
67	19.0	16.8	25.2

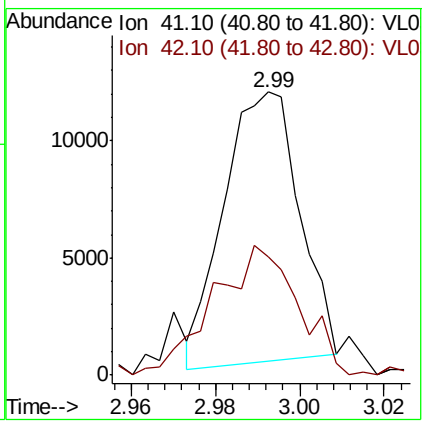




#9
Propene
Concen: 0.301 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.02 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 41 Resp: 14333

Ion	Ratio	Lower	Upper
41	100		
42	56.4	55.8	83.6



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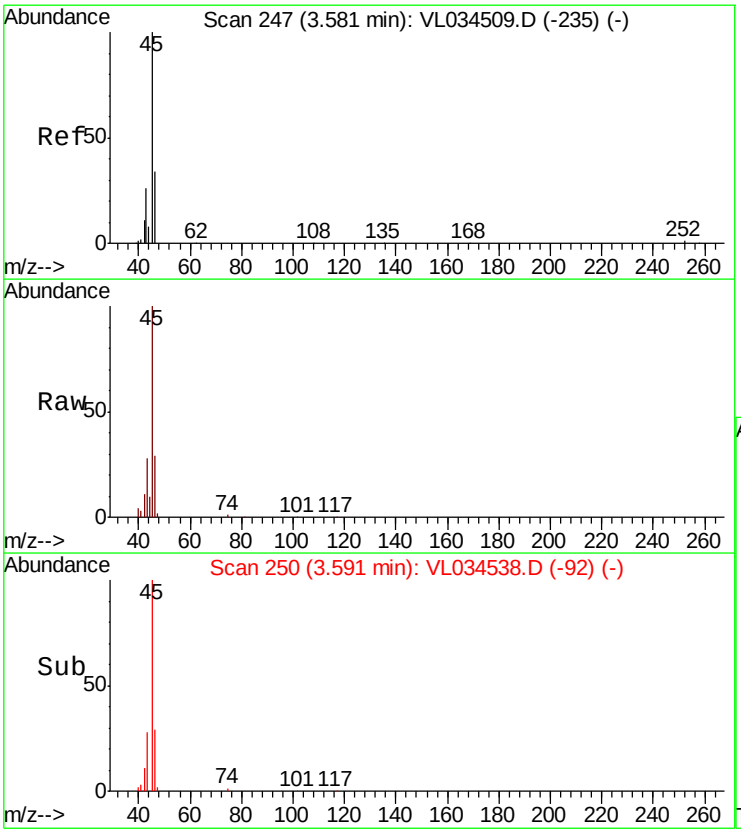
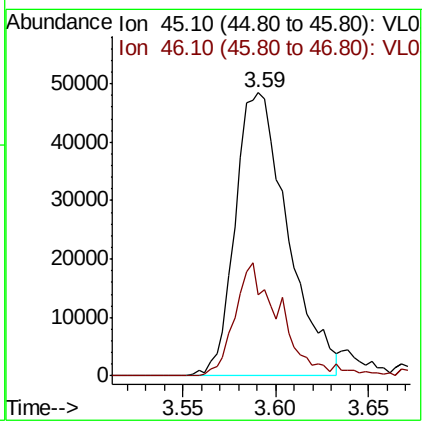
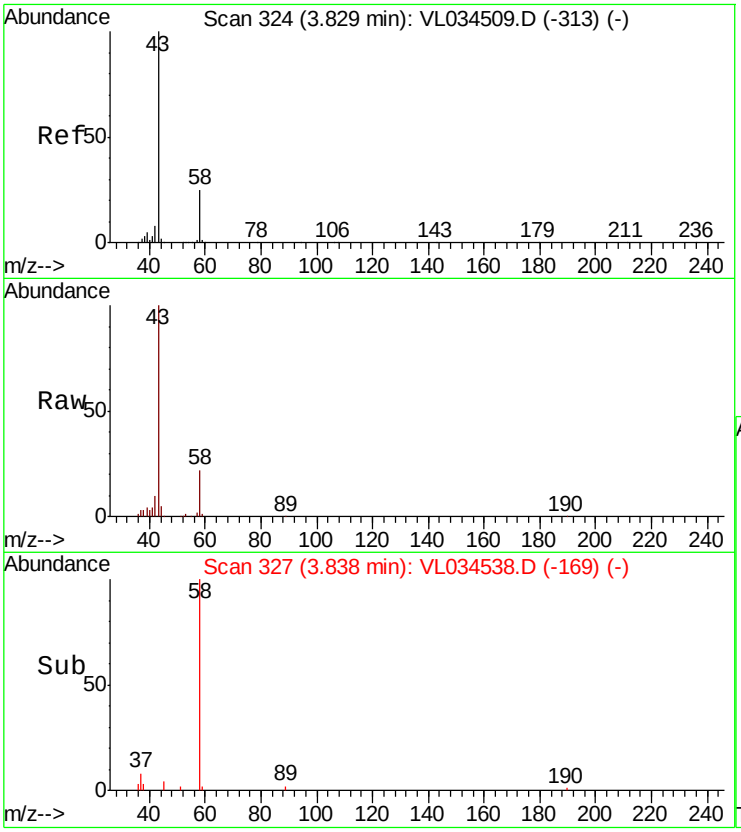


#13
Ethanol
Concen: 7.178 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 45 Resp: 94879

Ion	Ratio	Lower	Upper
45	100		
46	35.0	14.9	59.7





#15
Acetone
Concen: 1.246 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 43 Resp: 188513

Ion	Ratio	Lower	Upper
43	100		
58	27.6	20.4	30.6

Instrument :
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ClientSampleId :
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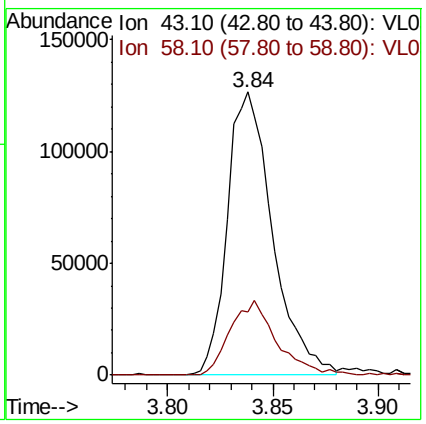
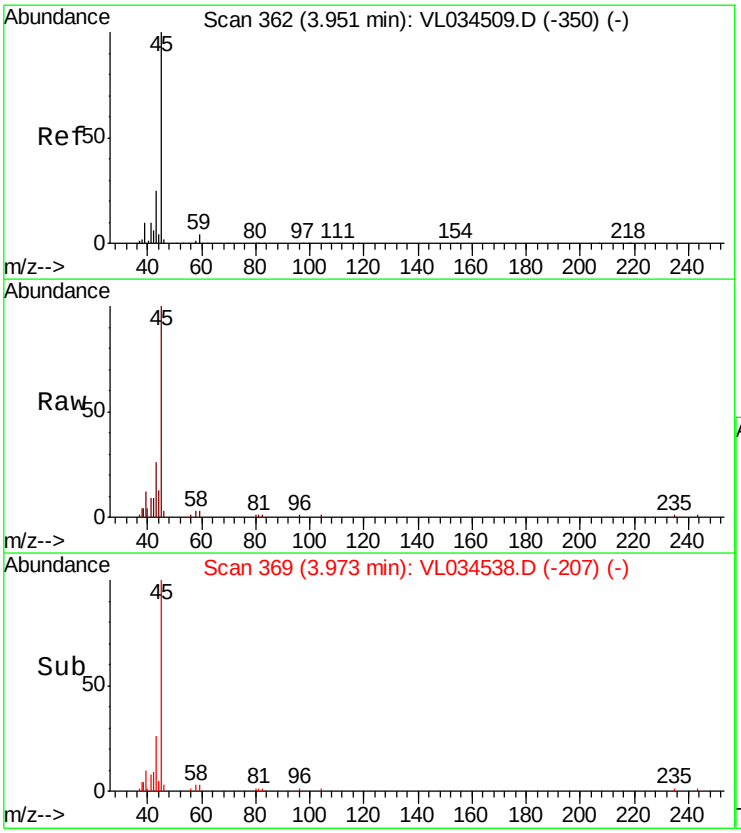
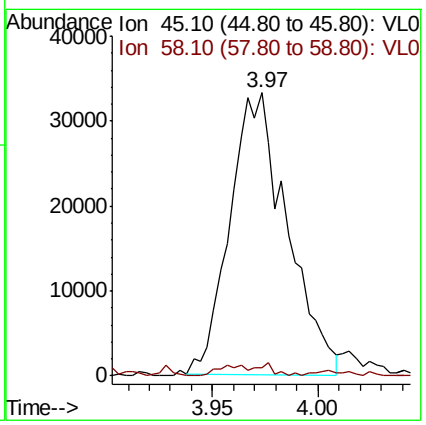


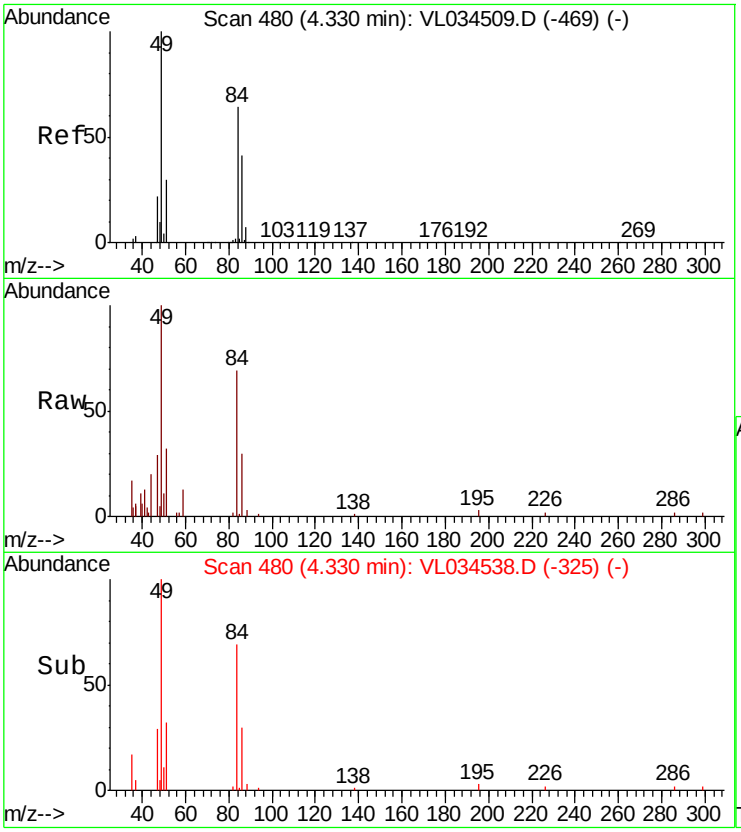


#19
Isopropyl Alcohol
Concen: 0.638 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 45 Resp: 62476

Ion	Ratio	Lower	Upper
45	100		
58	3.4	1.4	2.0#

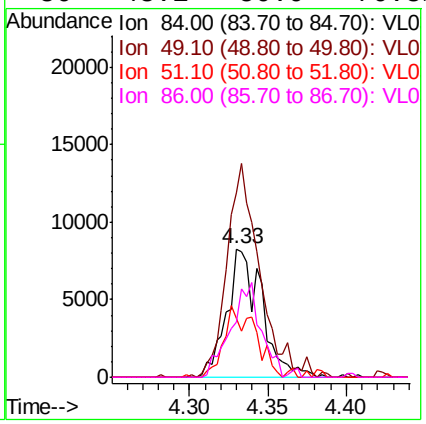




#20
Methylene Chloride
Concen: 0.216 ppbv m
RT: 4.33 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 84 Resp: 12873

Ion	Ratio	Lower	Upper
84	100		
49	144.2	124.4	186.6
51	46.0	37.0	55.6
86	43.1	50.9	76.3#



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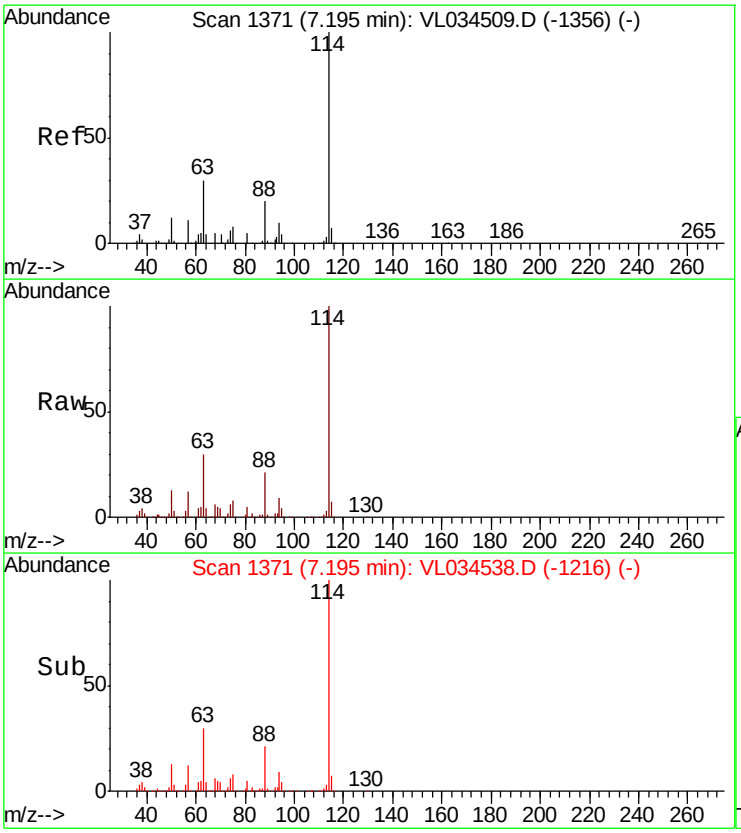
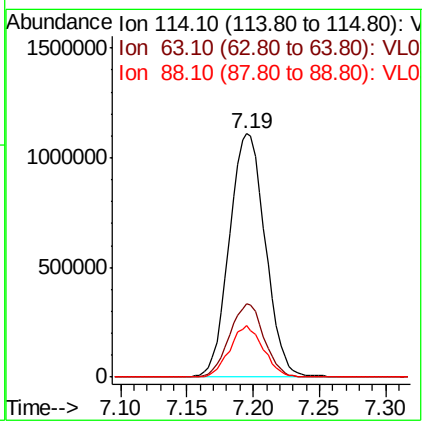
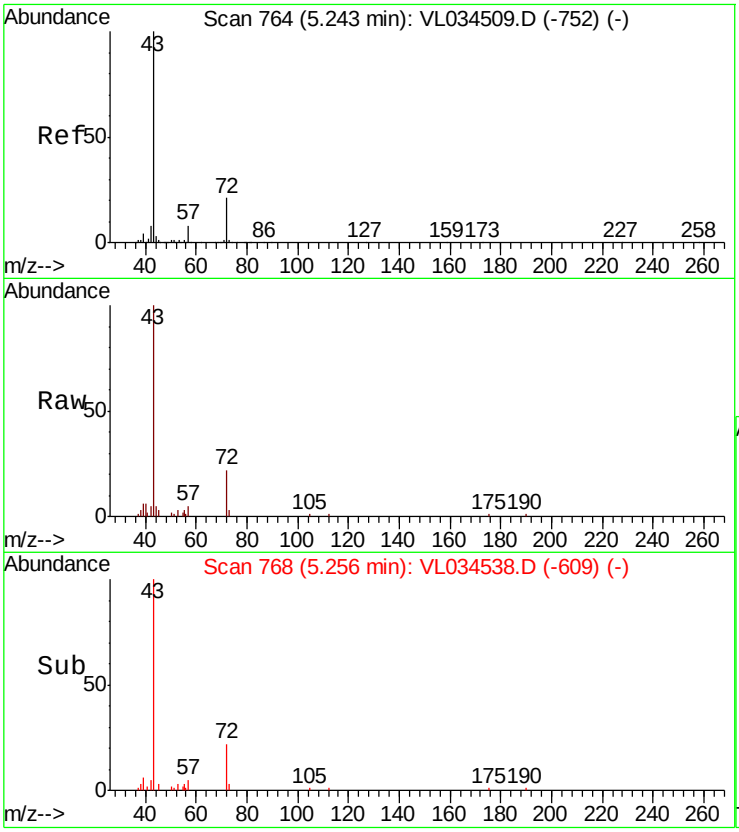


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion:114 Resp: 2090057

Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.8	15.7	23.5

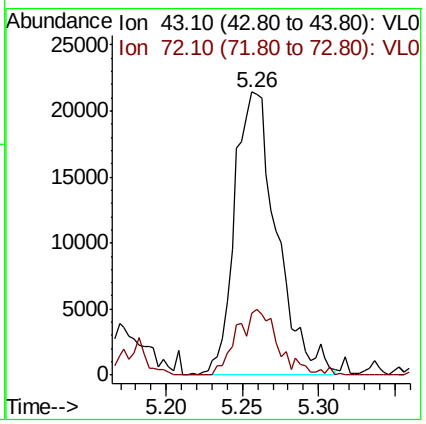




#34
2-Butanone
Concen: 0.276 ppbv m
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 43 Resp: 41291

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.0	25.4



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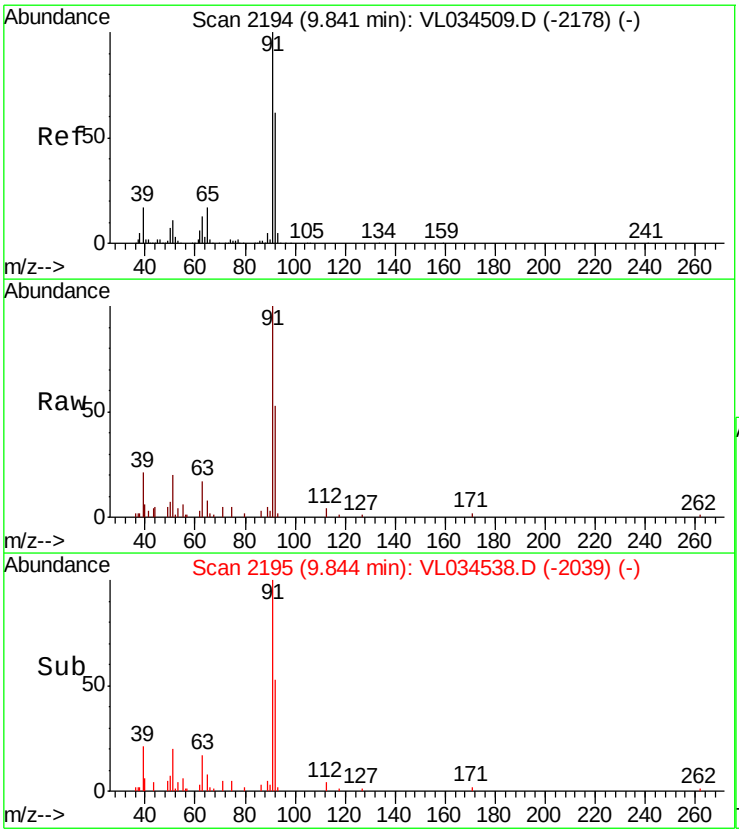
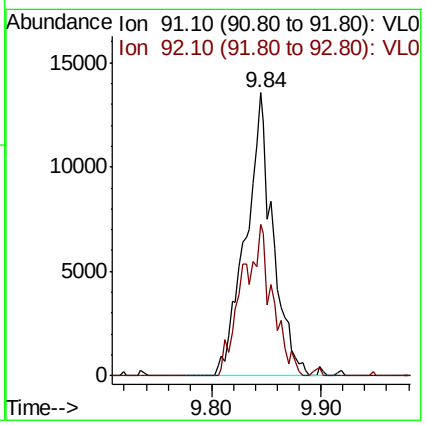
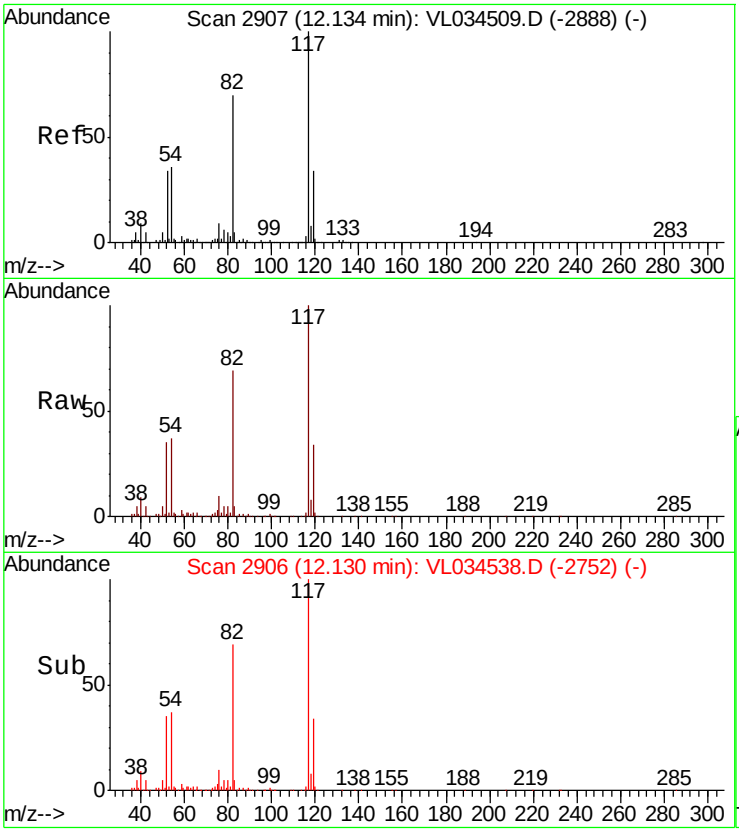


#53
Toluene
Concen: 0.117 ppbv m
RT: 9.84 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 91 Resp: 23449

Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.4	72.6

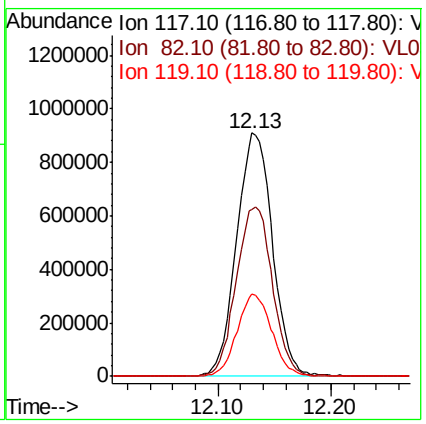




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion:117 Resp: 2010173

Ion	Ratio	Lower	Upper
117	100		
82	70.5	56.2	84.4
119	32.8	27.1	40.7



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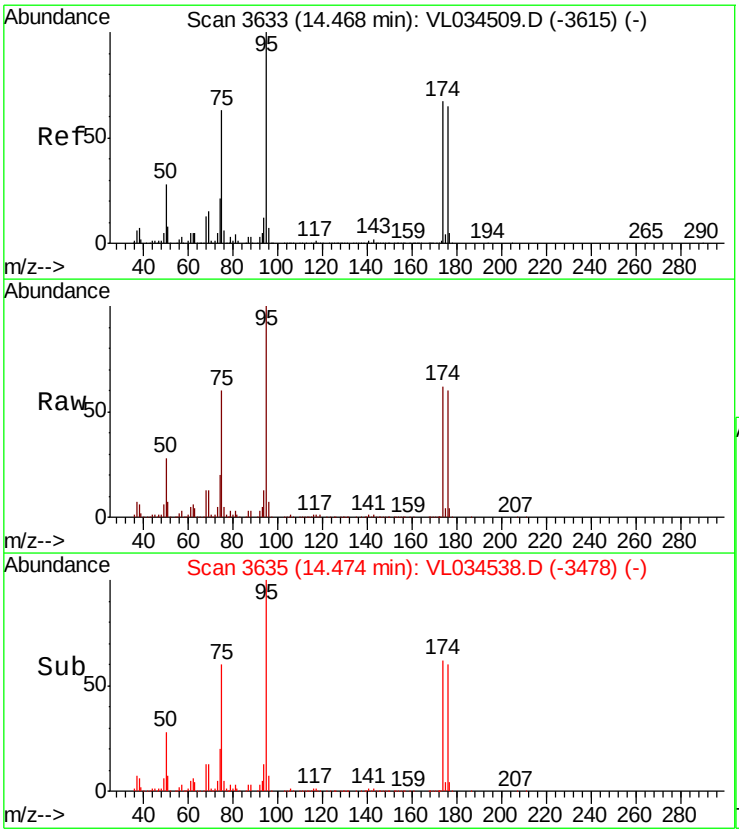

#68
1-Bromo-4-Fluorobenzene
Concen: 10.085 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. 0.01 min
Lab File: VL034538.D
Acq: 31 Dec 2019 8:22

Tgt Ion: 95 Resp: 1691682

Ion	Ratio	Lower	Upper
95	100		
174	64.1	52.4	78.6
175	4.7	3.9	5.9