Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030620\

Quantitation Report (Not Reviewed)

Data File : VL034838.D
Acq On : 7 Mar 2020 9:45
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VIBLK

Quant Time: Mar 07 13:02:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	862562	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.17	114	1955718	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.10	117	1932569	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	1520463	9.44	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	6095	0.043	ppbv		93
3) Chlorodifluoromethane	2.94	51	4584	0.047	ppbv		96
4) Chloromethane	3.10	50	1977	0.037	ppbv		96
5) Vinyl Chloride	3.21	62	2069	0.037	ppbv	#	87
6) Bromomethane	3.44	94	1364	0.045	ppbv		82
8) Dichlorotetrafluoroethane	3.15	85	4609	0.038	ppbv	#	73
9) Propene	2.97	41	5237	0.135	ppbv	#	81
10) Heptane	8.12	43	3100	0.032	ppbv	#	27
13) Ethanol	3.60	45	1233	0.093	ppbv		98
15) Acetone	3.84	43	18115	0.175	ppbv	#	74
16) 1,3-Butadiene	3.29	39	2366	0.051	ppbv	#	9
19) Isopropyl Alcohol	3.97	45	3830	0.062	ppbv	#	93
20) Methylene Chloride	4.32	84	2873	0.078	ppbv		89
24) 1,1-Dichloroethane	4.99	63	4883	0.045	ppbv	#	88
26) Hexane	5.66	57	3470	0.045	ppbv	#	1
31) cis-1,2-Dichloroethene	5.54	61	24749	0.309	ppbv	#	95
39) 1,2-Dichloropropane	7.17	63	502510	7.451	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.86	57	9164	0.031	ppbv	#	49

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

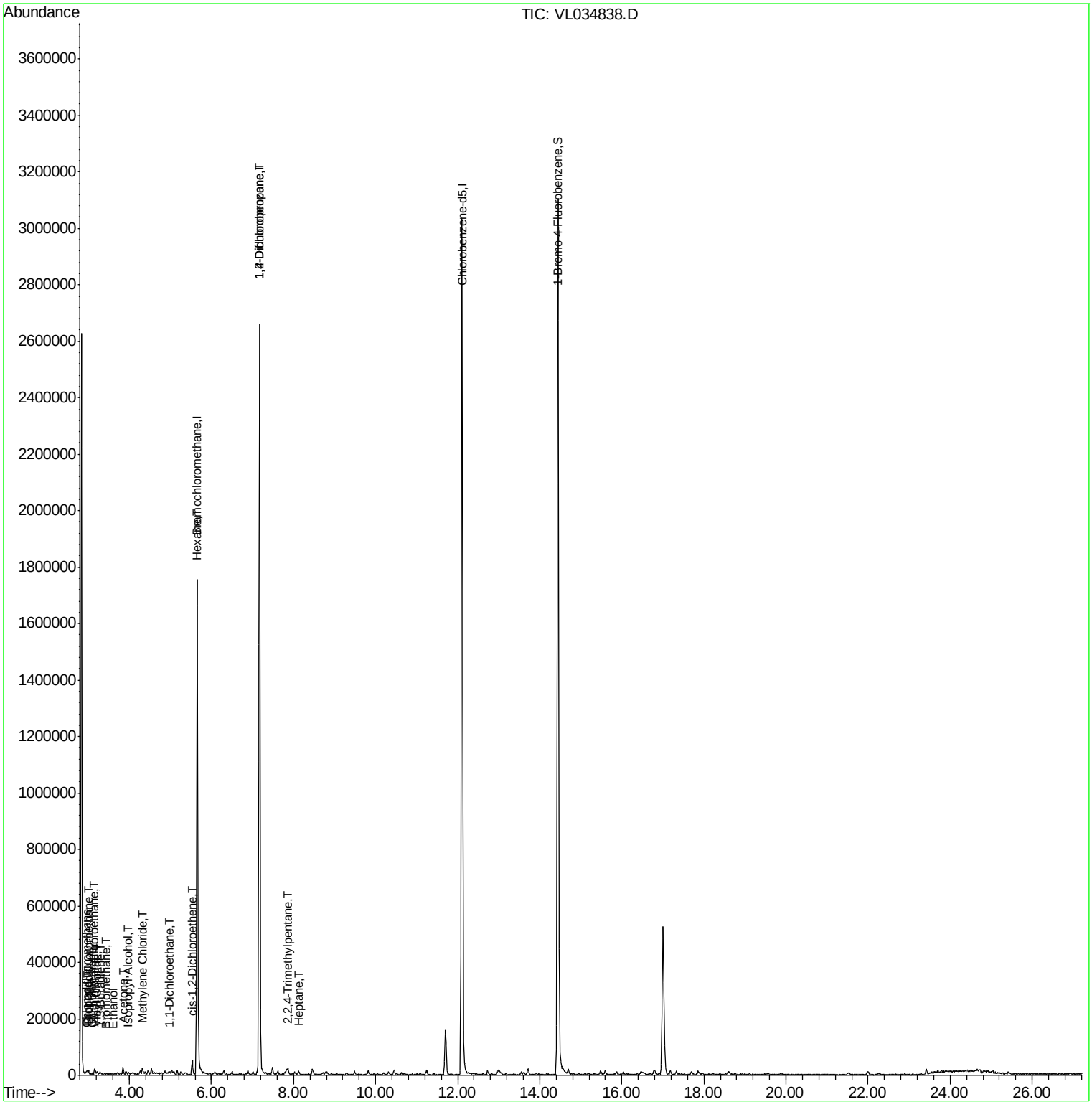
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030620\

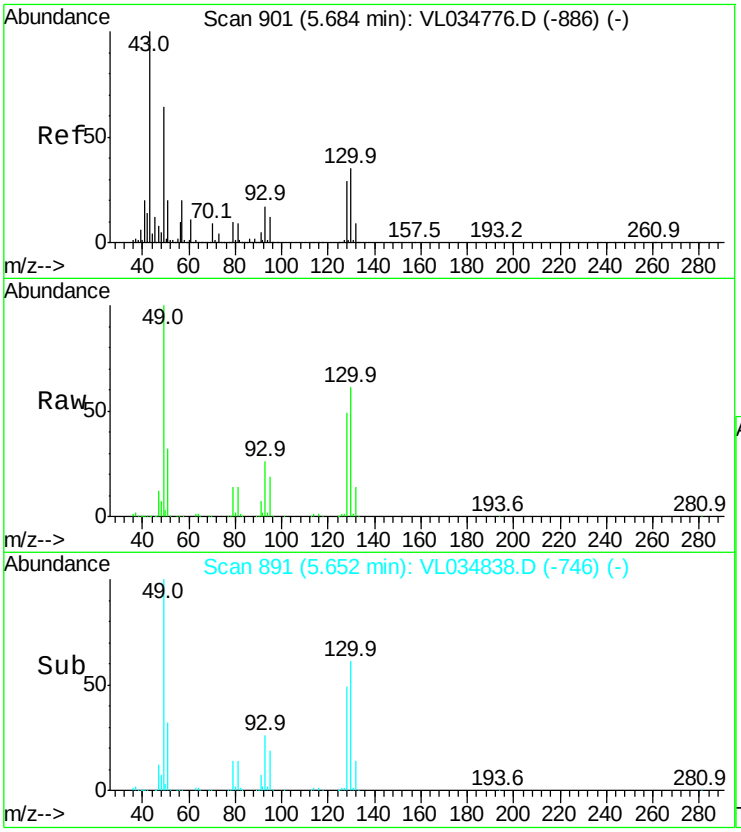
Quantitation Report (Not Reviewed)

Data File : VL034838.D
Acq On : 7 Mar 2020 9:45
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VIBLK

Quant Time: Mar 07 13:02:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration



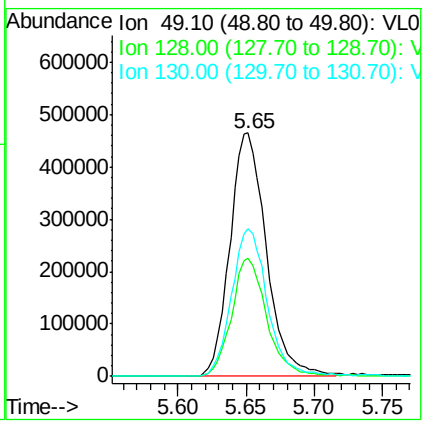


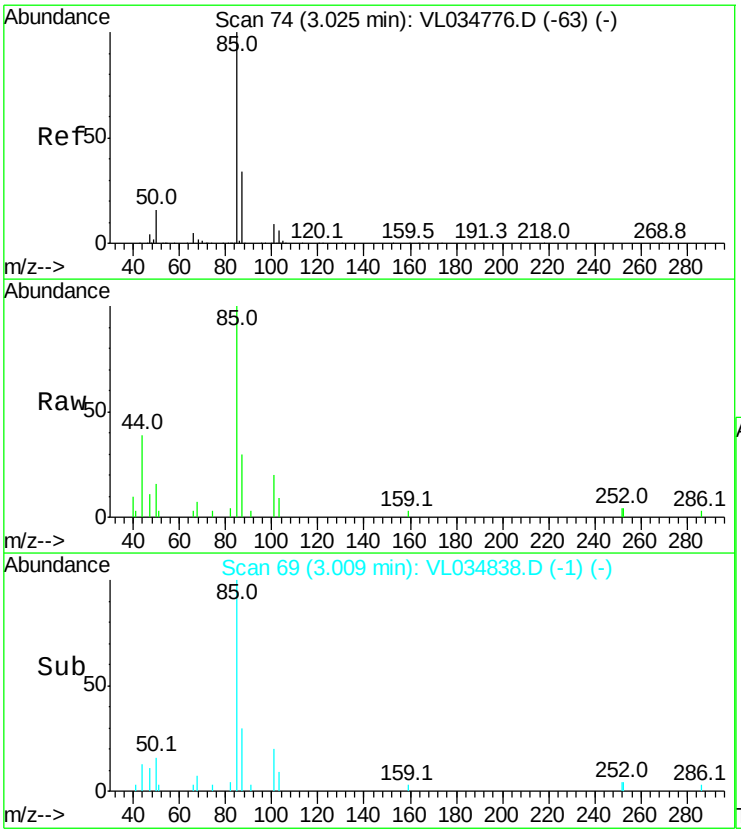
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 49 Resp: 862562

Ion	Ratio	Lower	Upper
49	100		
128	47.3	21.6	64.6
130	60.4	27.4	82.2

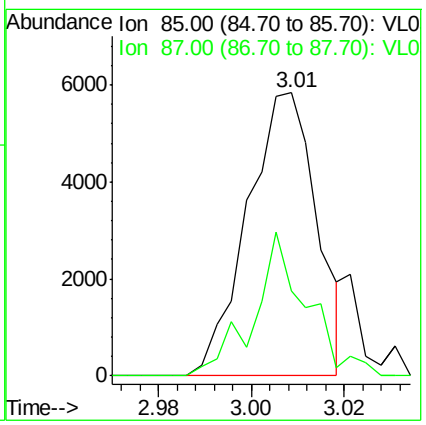


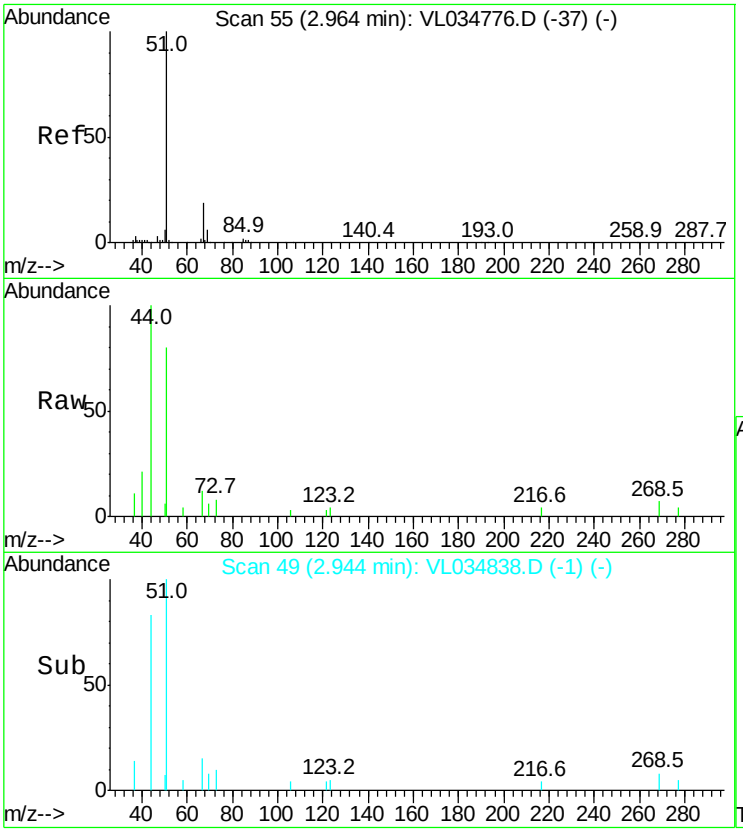


#2
Dichlorodifluoromethane
Concen: 0.043 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.02 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 85 Resp: 6095

Ion	Ratio	Lower	Upper
85	100		
87	29.8	27.2	40.8



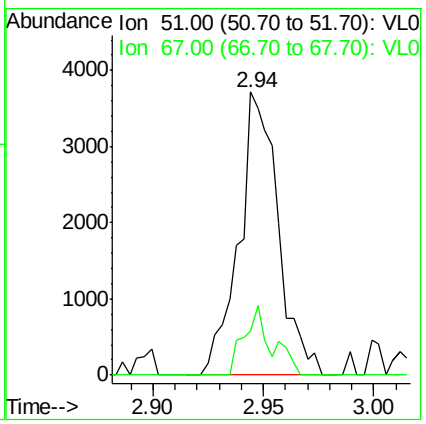


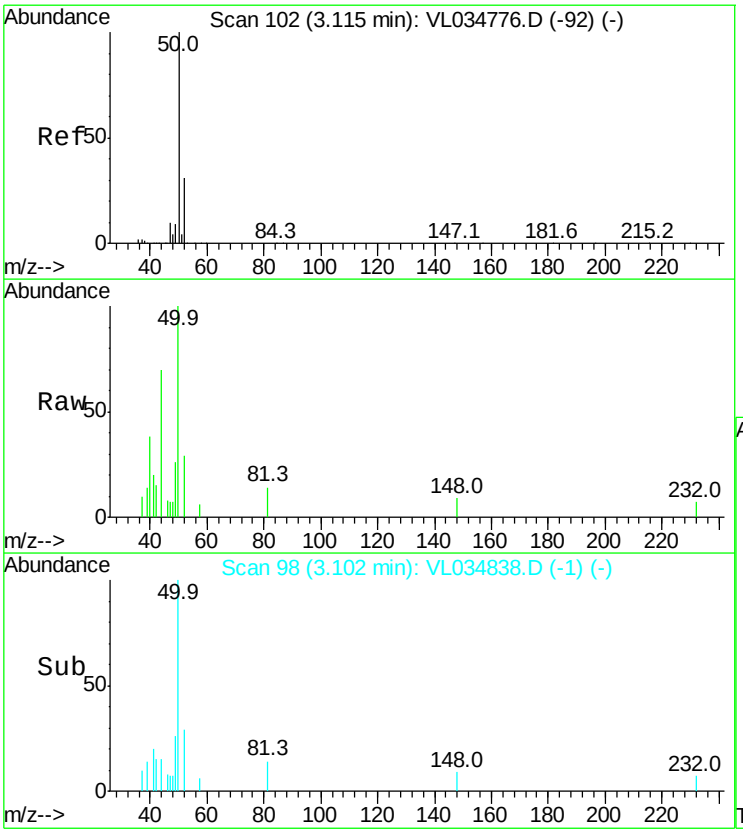
#3
Chlorodifluoromethane
Concen: 0.047 ppbv
RT: 2.94 min Scan# 49
Delta R.T. -0.02 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 51 Resp: 4584

Ion	Ratio	Lower	Upper
51	100		
67	17.2	15.3	22.9

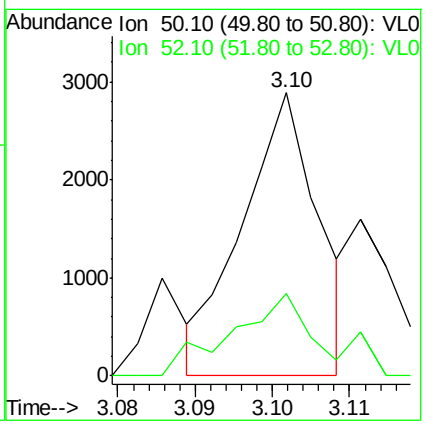


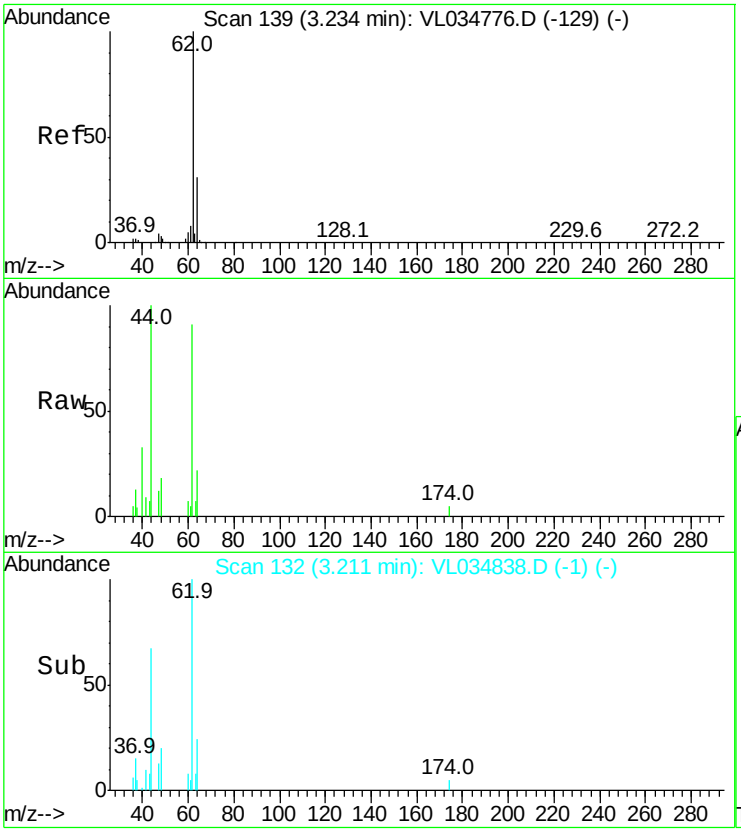


#4
Chloromethane
Concen: 0.037 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.01 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 50 Resp: 1977

Ion	Ratio	Lower	Upper
50	100		
52	28.9	25.0	37.4



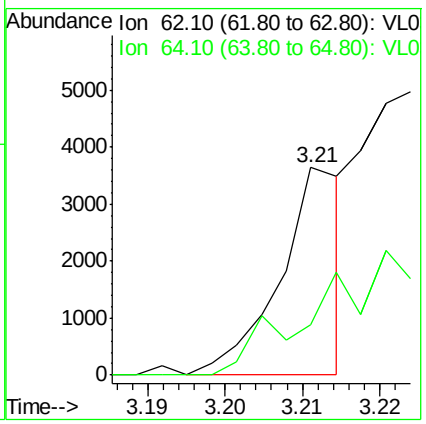


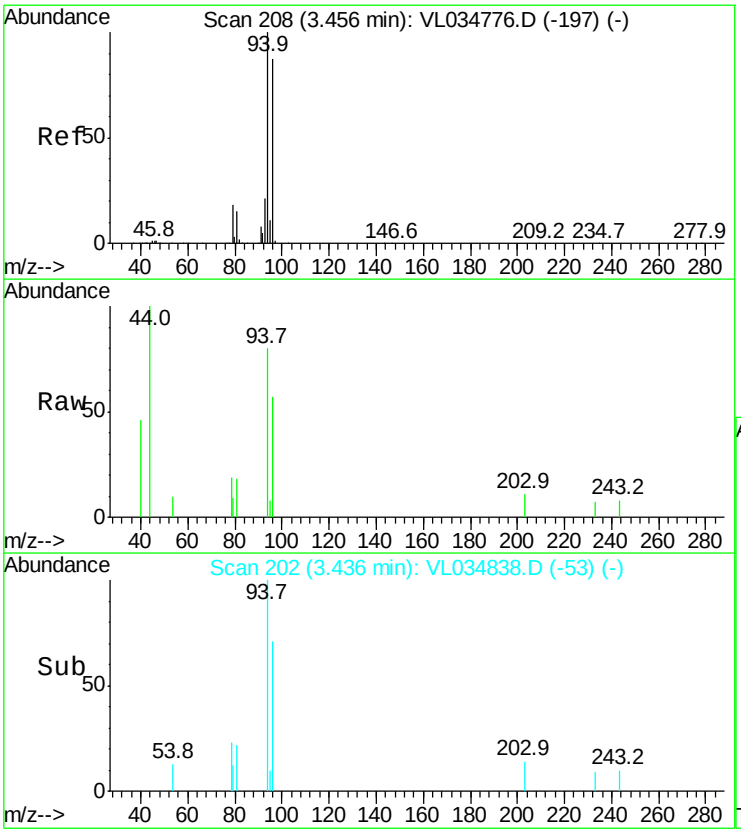
#5
Vinyl Chloride
Concen: 0.037 ppbv
RT: 3.21 min Scan# 132
Delta R.T. -0.02 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 62 Resp: 2069

Ion	Ratio	Lower	Upper
62	100		
64	24.0	25.1	37.7#

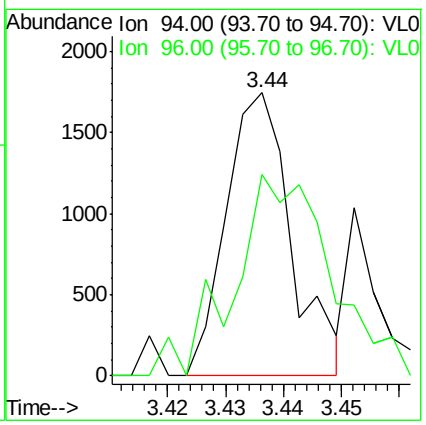


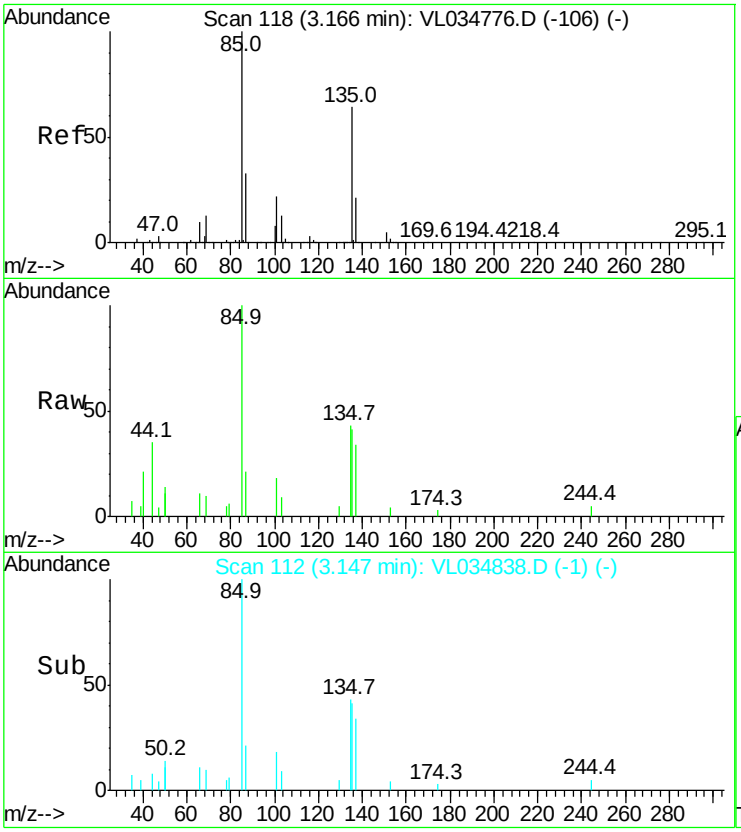


#6
Bromomethane
Concen: 0.045 ppbv
RT: 3.44 min Scan# 202
Delta R.T. -0.02 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 94 Resp: 1364

Ion	Ratio	Lower	Upper
94	100		
96	71.1	70.0	105.0



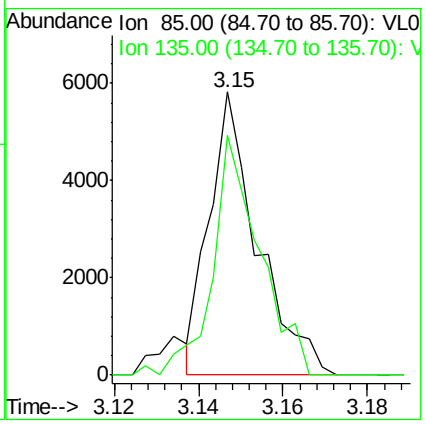


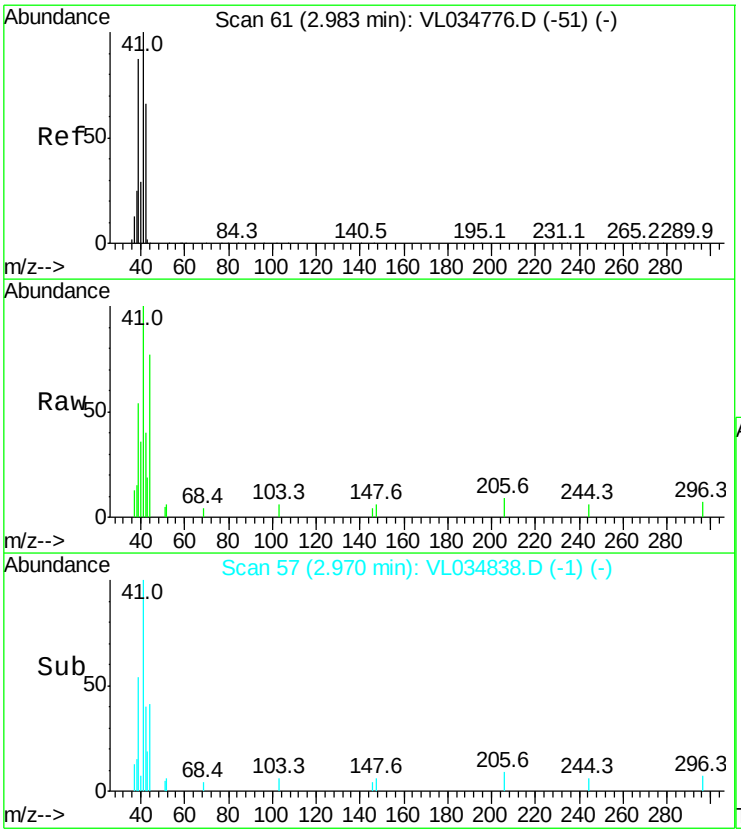
#8
Dichlorotetrafluoroethane
Concen: 0.038 ppbv
RT: 3.15 min Scan# 112
Delta R.T. -0.02 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 85 Resp: 4609

Ion	Ratio	Lower	Upper
85	100		
135	82.4	49.4	74.2#

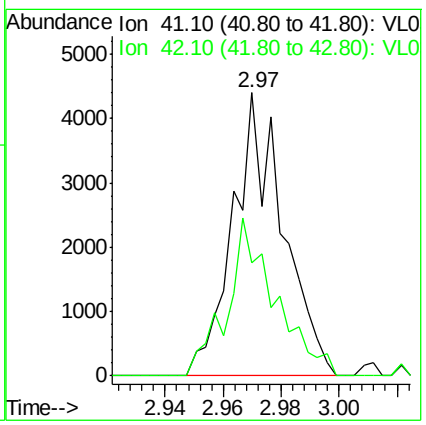


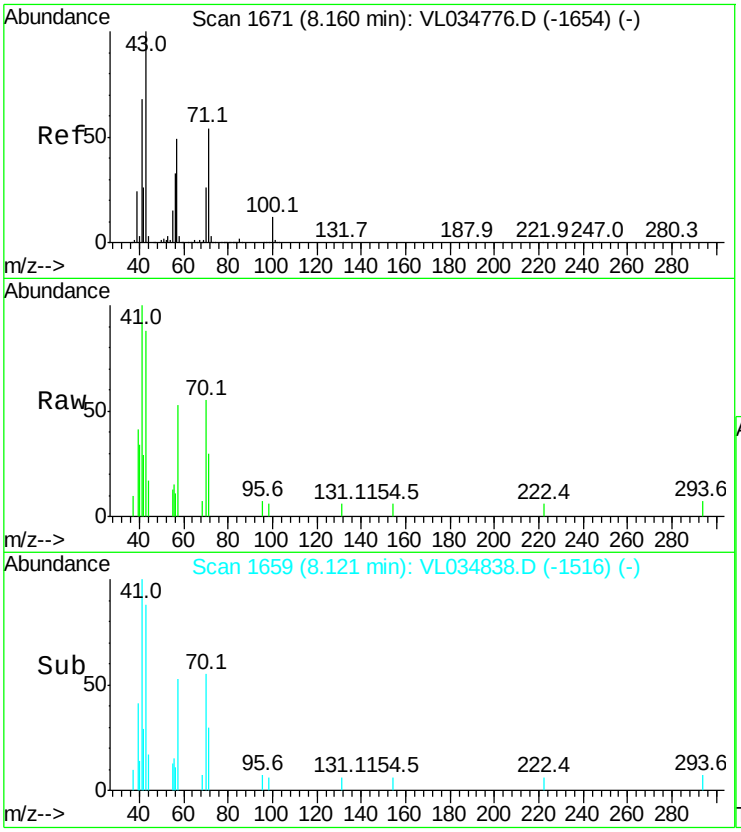


#9
Propene
Concen: 0.135 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.01 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 41 Resp: 5237

Ion	Ratio	Lower	Upper
41	100		
42	53.8	55.6	83.4#



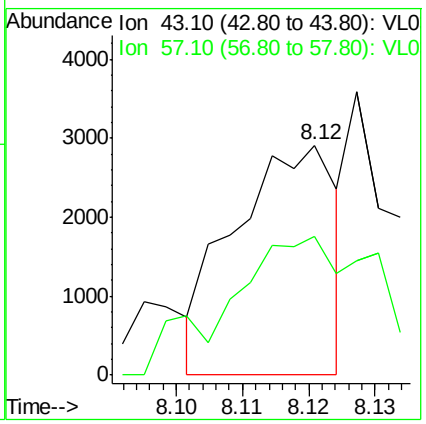


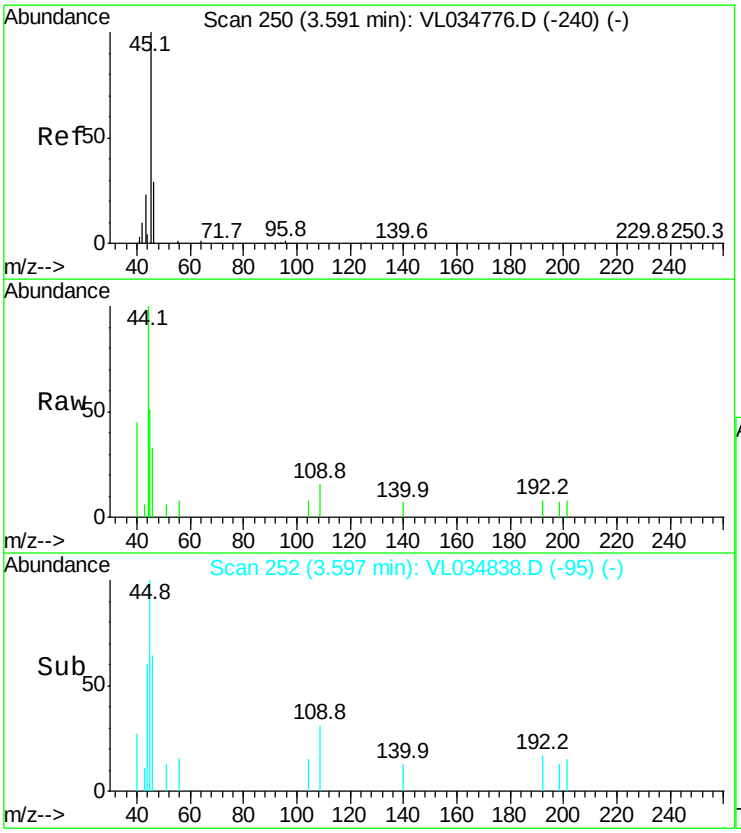
#10
Heptane
Concen: 0.032 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.04 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 3100

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.5	60.7#

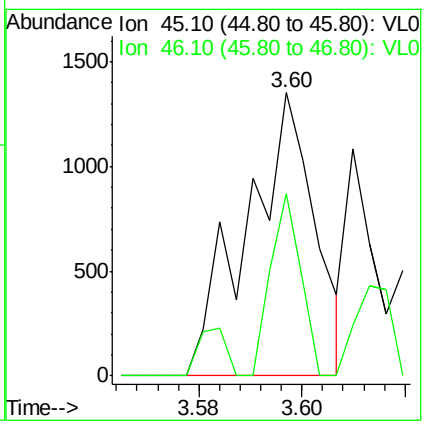


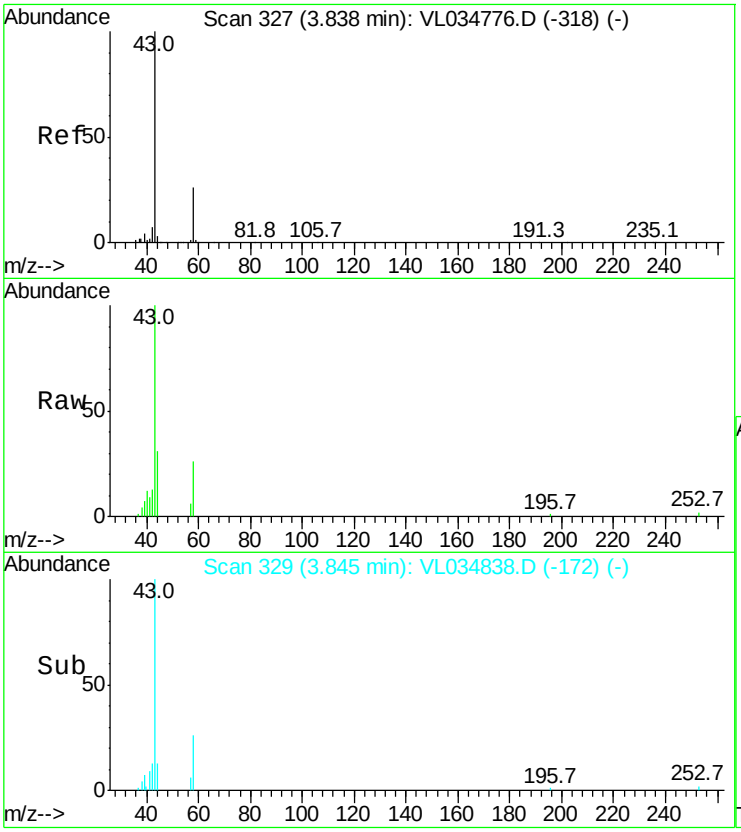


#13
Ethanol
Concen: 0.093 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 45 Resp: 1233

Ion	Ratio	Lower	Upper
45	100		
46	35.4	14.7	58.9



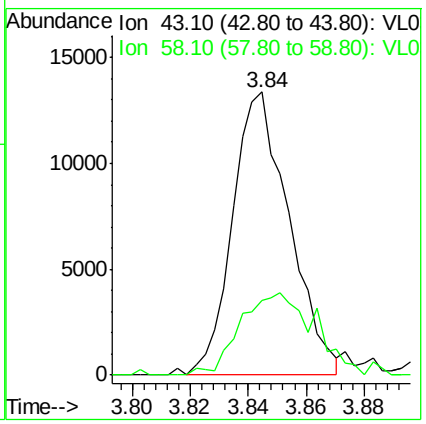


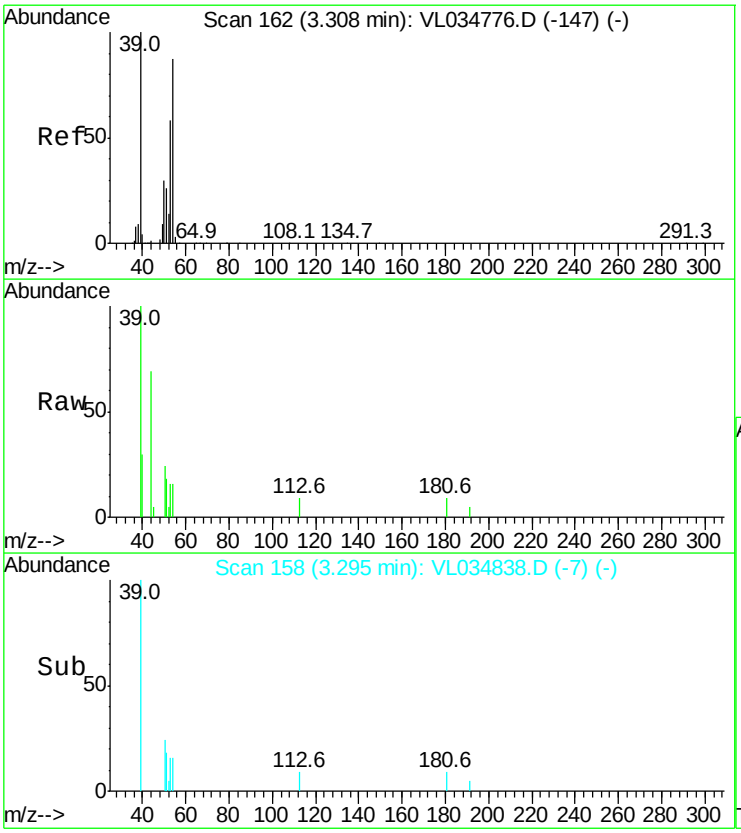
#15
Acetone
Concen: 0.175 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 43 Resp: 18115

Ion	Ratio	Lower	Upper
43	100		
58	39.4	21.0	31.6#

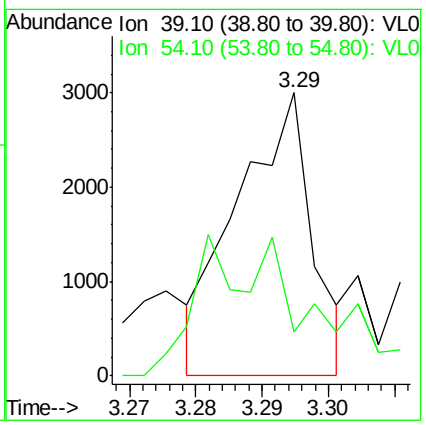


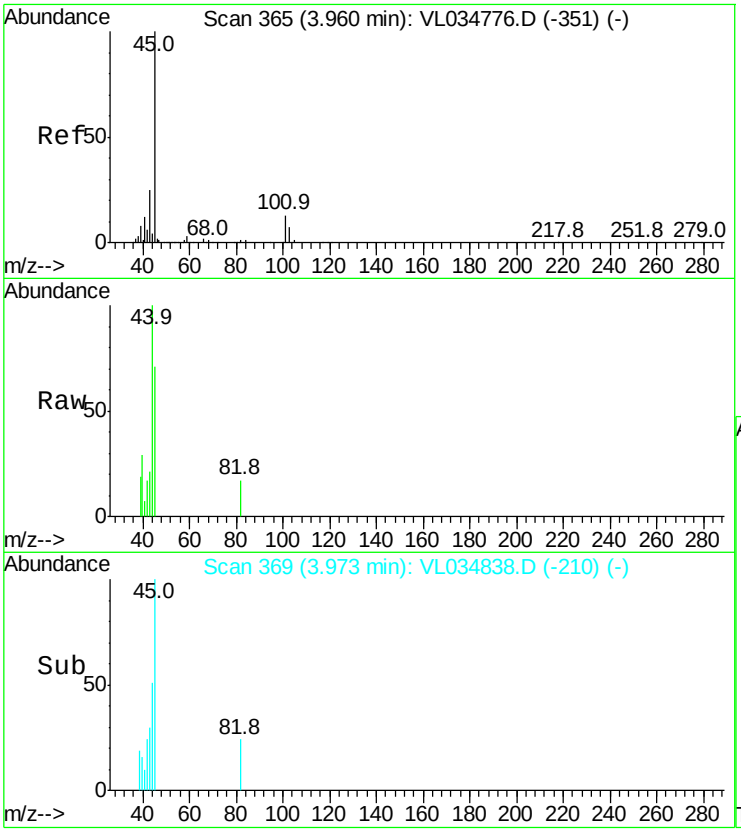


#16
1,3-Butadiene
Concen: 0.051 ppbv
RT: 3.29 min Scan# 158
Delta R.T. -0.01 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 39 Resp: 2366

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.2	96.2#



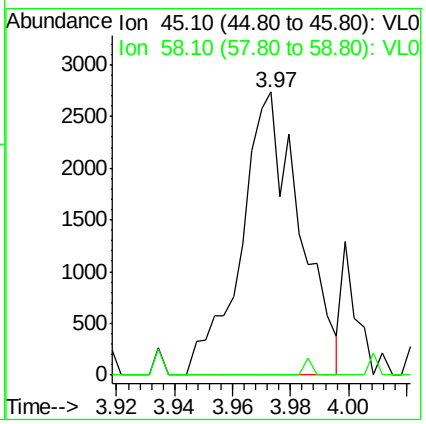


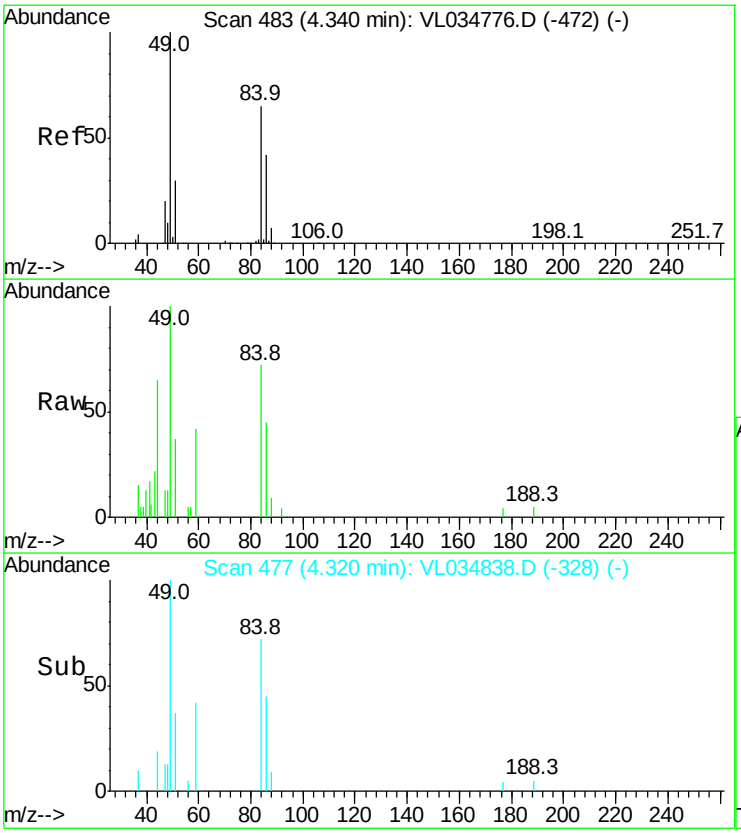
#19
Isopropyl Alcohol
Concen: 0.062 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 45 Resp: 3830

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#

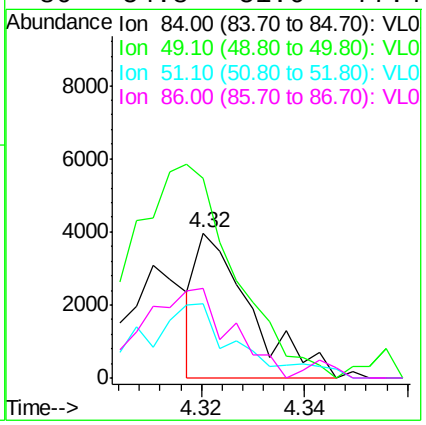


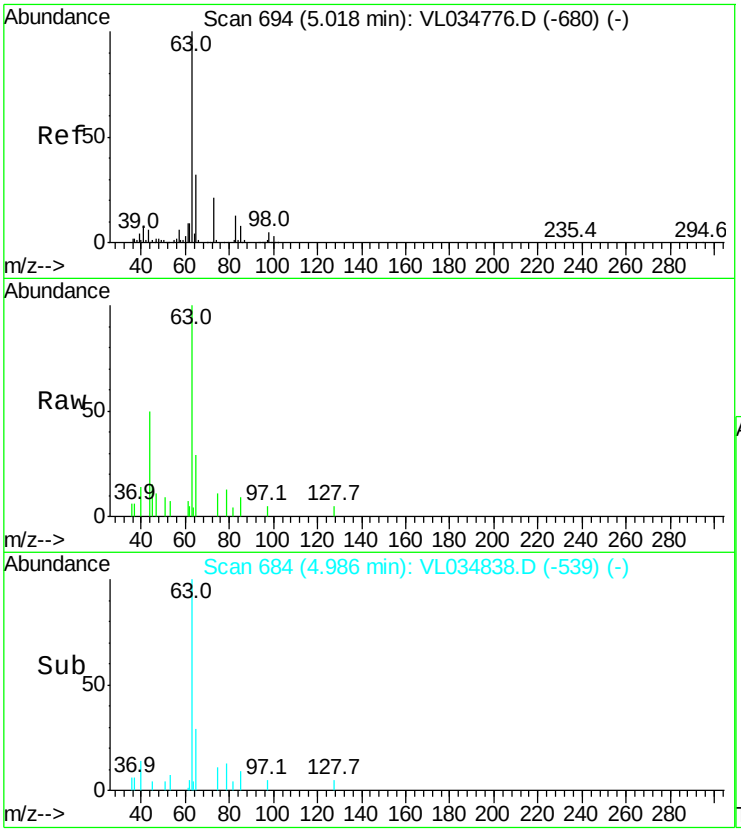


#20
Methylene Chloride
Concen: 0.078 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 84 Resp: 2873

Ion	Ratio	Lower	Upper
84	100		
49	138.0	123.2	184.8
51	44.5	37.4	56.2
86	54.8	51.6	77.4



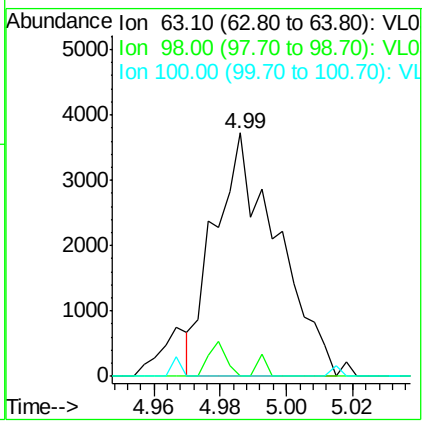


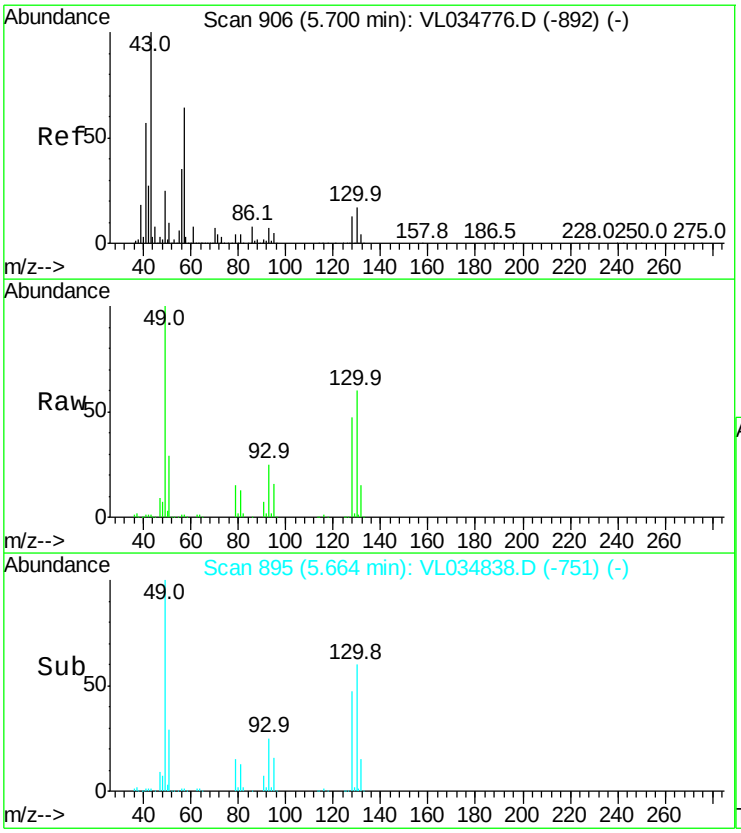
#24
1,1-Dichloroethane
Concen: 0.045 ppbv
RT: 4.99 min Scan# 684
Delta R.T. -0.03 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 63 Resp: 4883

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	0.0	1.5	4.4#

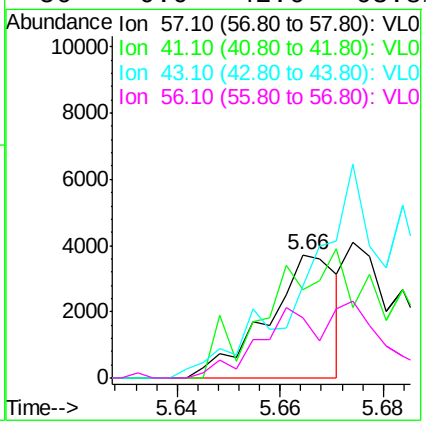


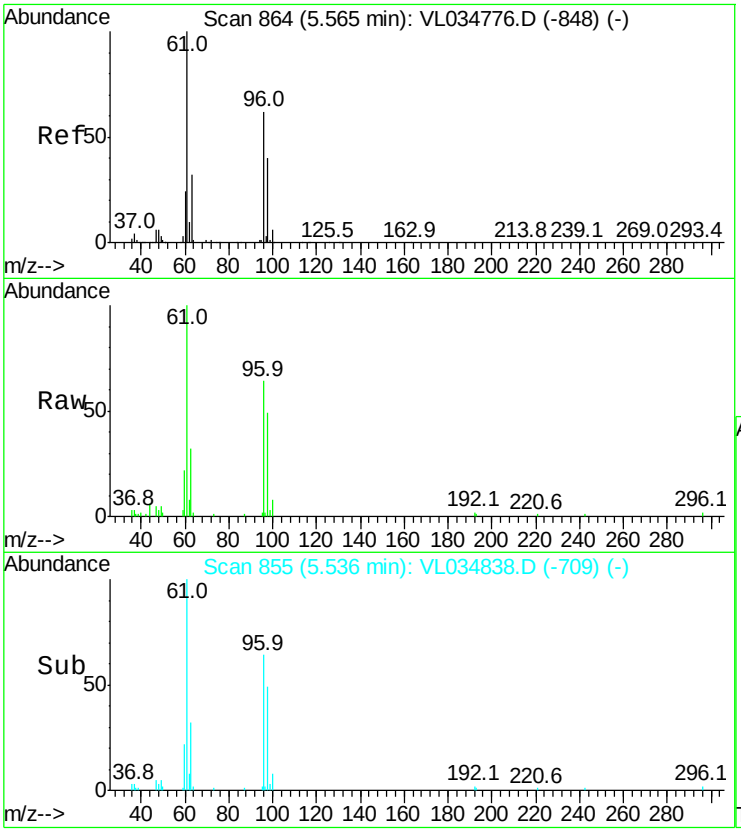


#26
Hexane
Concen: 0.045 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 57 Resp: 3470

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.0	108.0#
43	0.0	179.1	268.7#
56	0.0	42.6	63.8#



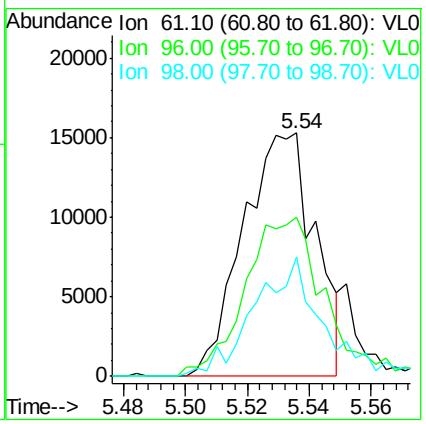


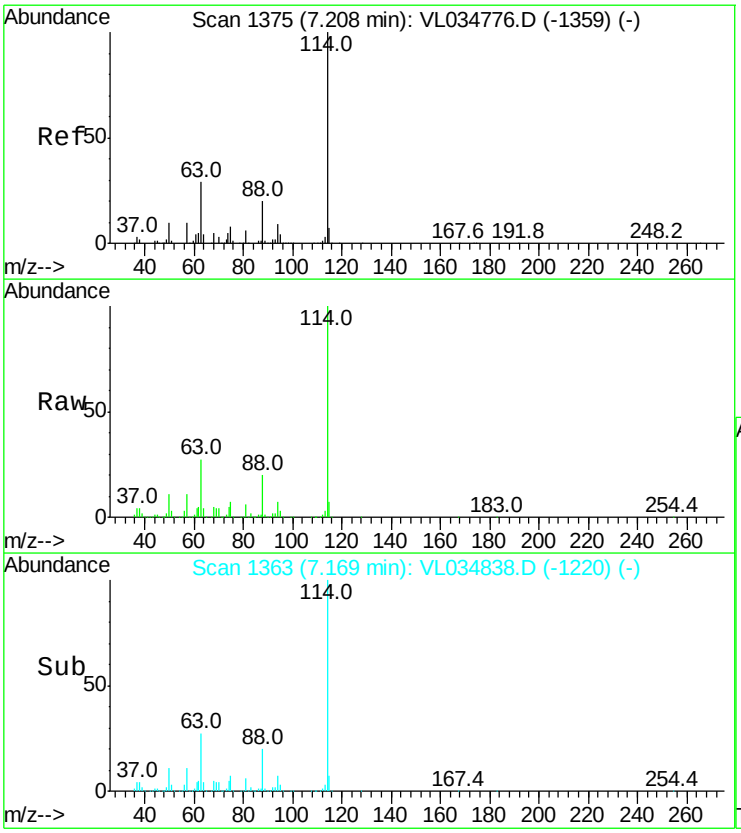
#31
cis-1,2-Dichloroethene
Concen: 0.309 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 61 Resp: 24749

Ion	Ratio	Lower	Upper
61	100		
96	62.0	49.7	74.5
98	48.1	31.9	47.9#

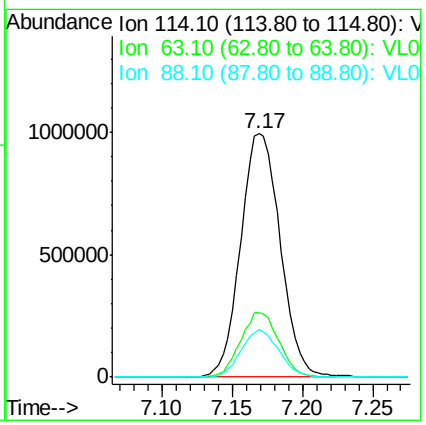


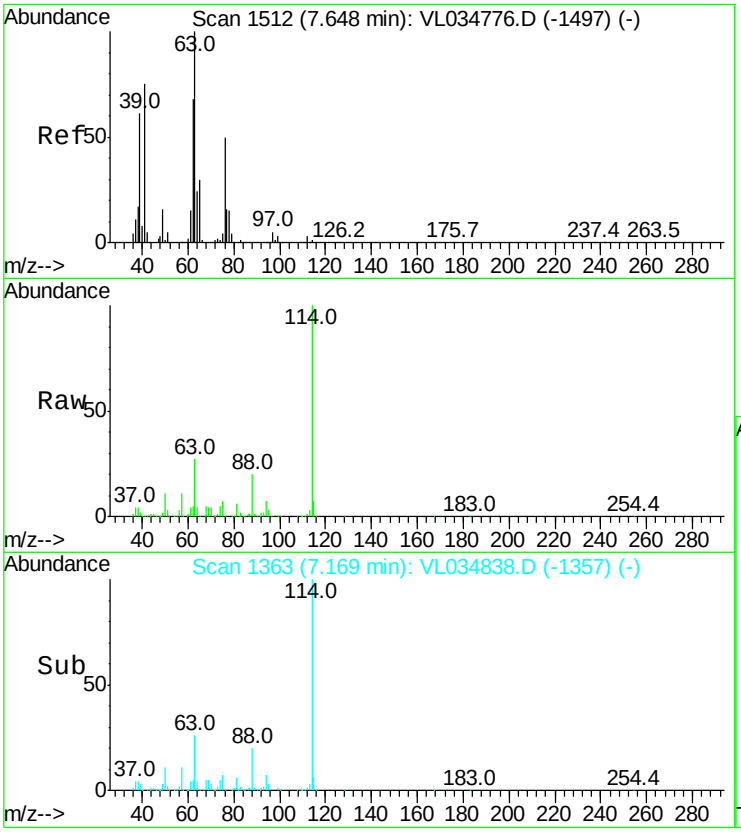


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.04 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion:114 Resp: 1955718

Ion	Ratio	Lower	Upper
114	100		
63	25.9	23.6	35.4
88	18.7	15.8	23.8



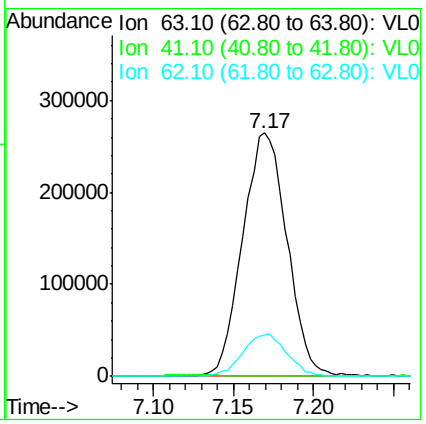


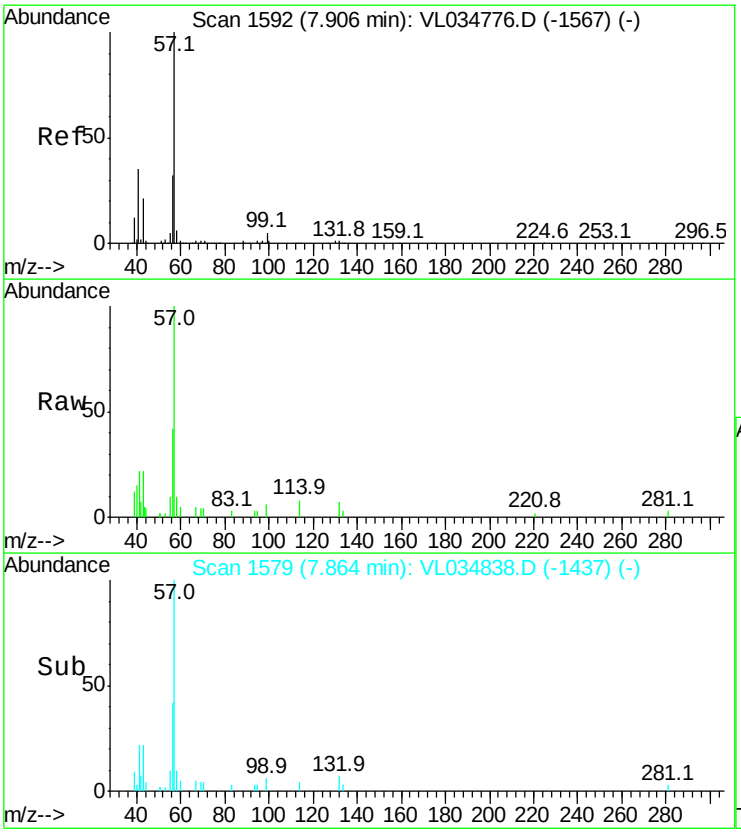
#39
1,2-Dichloropropane
Concen: 7.451 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.48 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument : MSVOA_L
ClientSampleId : VIBLK

Tgt Ion: 63 Resp: 502510

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.3	90.5#
62	17.1	54.5	81.7#

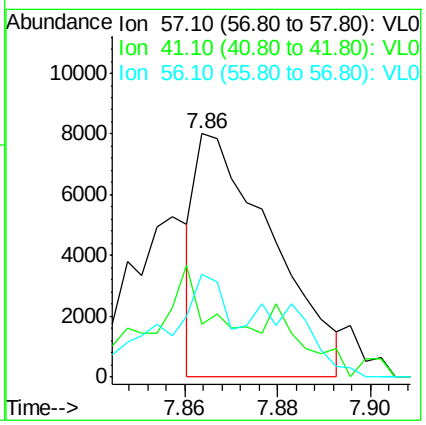


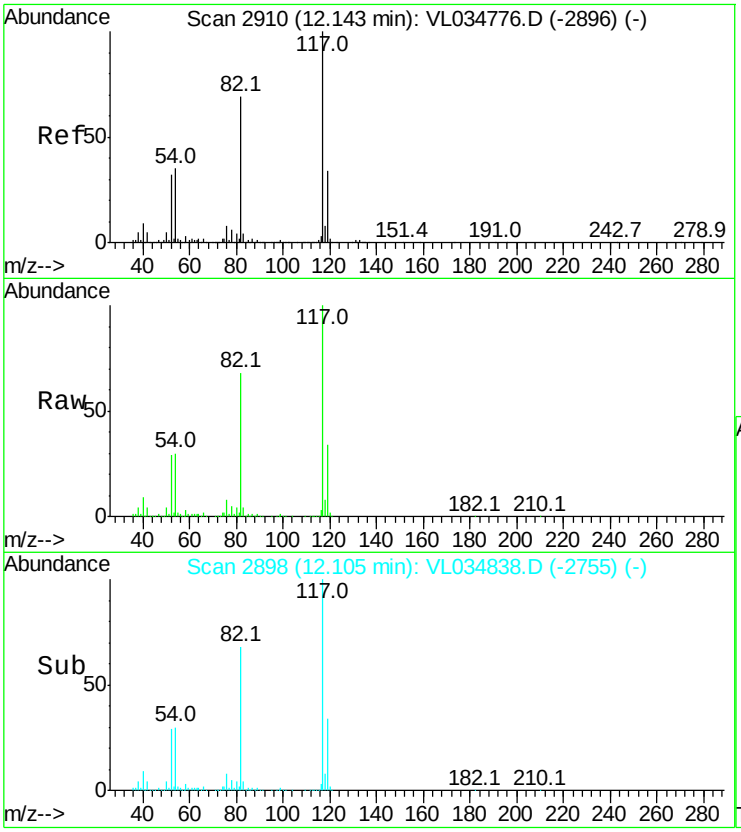


#44
2,2,4-Trimethylpentane
Concen: 0.031 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.04 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 57 Resp: 9164

Ion	Ratio	Lower	Upper
57	100		
41	61.6	27.4	41.0#
56	61.8	25.0	37.6#



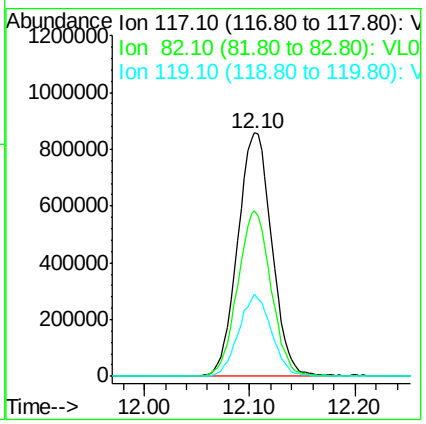


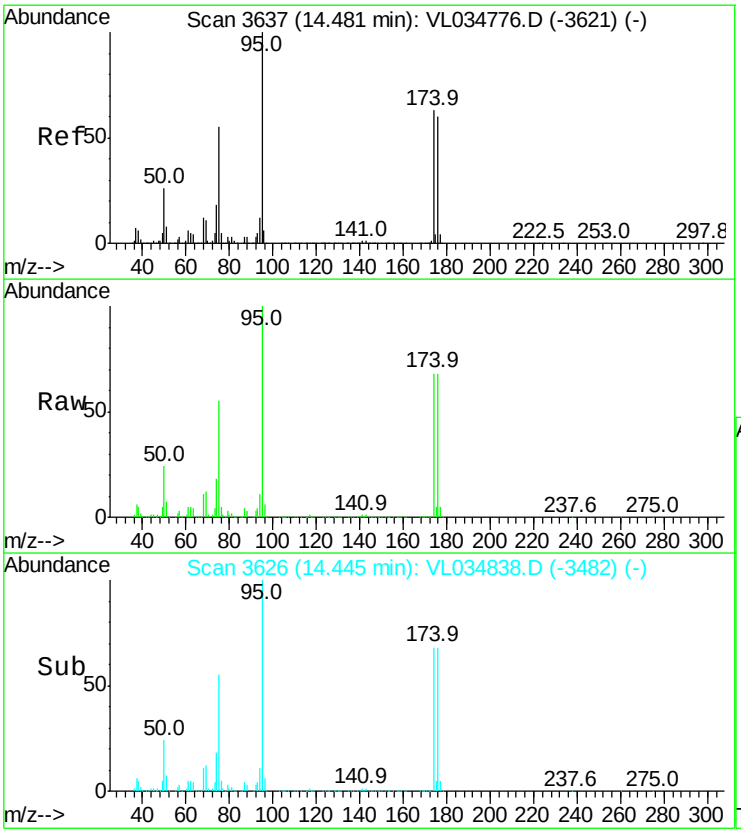
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.04 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1932569

Ion	Ratio	Lower	Upper
117	100		
82	66.8	53.9	80.9
119	32.7	25.0	37.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.435 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.04 min
Lab File: VL034838.D
Acq: 7 Mar 2020 9:45

Tgt Ion: 95 Resp: 1520463

Ion	Ratio	Lower	Upper
95	100		
174	70.2	50.6	76.0
175	5.3	3.8	5.6