Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

Quantitation Report (Not Reviewed)

Data File : VL034013.D
Acq On : 8 Jul 2019 16:03
Operator : SY/AP
Sample : K3591-15 0.03 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-MDL-AIR-03-QT3-2019

Quant Time: Jul 09 03:48:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.73	49	916234	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.25	114	2544758	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.19	117	2501598	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.53	95	1998327	9.37	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.00	51	7123	0.063	ppbv		92
5) Vinyl Chloride	3.27	62	2262	0.031	ppbv	#	84
6) Bromomethane	3.49	94	2883	0.067	ppbv	#	47
7) Chloroethane	3.58	64	896	0.034	ppbv	#	48
8) Dichlorotetrafluoroethane	3.20	85	9845	0.053	ppbv	#	78
11) Trichlorofluoromethane	3.98	101	11592	0.055	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.52	101	5984	0.040	ppbv	#	57
13) Ethanol	3.64	45	493	0.038	ppbv		66
14) Bromoethene	3.76	108	2844	0.051	ppbv	#	6
18) 1,1-Dichloroethene	4.33	96	2265	0.034	ppbv	#	54
20) Methylene Chloride	4.38	84	3819	0.057	ppbv	#	70
22) trans-1,2-Dichloroethene	4.93	96	1949	0.031	ppbv		84
26) Hexane	5.75	57	2922	0.030	ppbv	#	1
27) Carbon Disulfide	4.60	76	6242	0.038	ppbv	#	62
39) 1,2-Dichloropropane	7.25	63	642276	8.674	ppbv	#	23

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

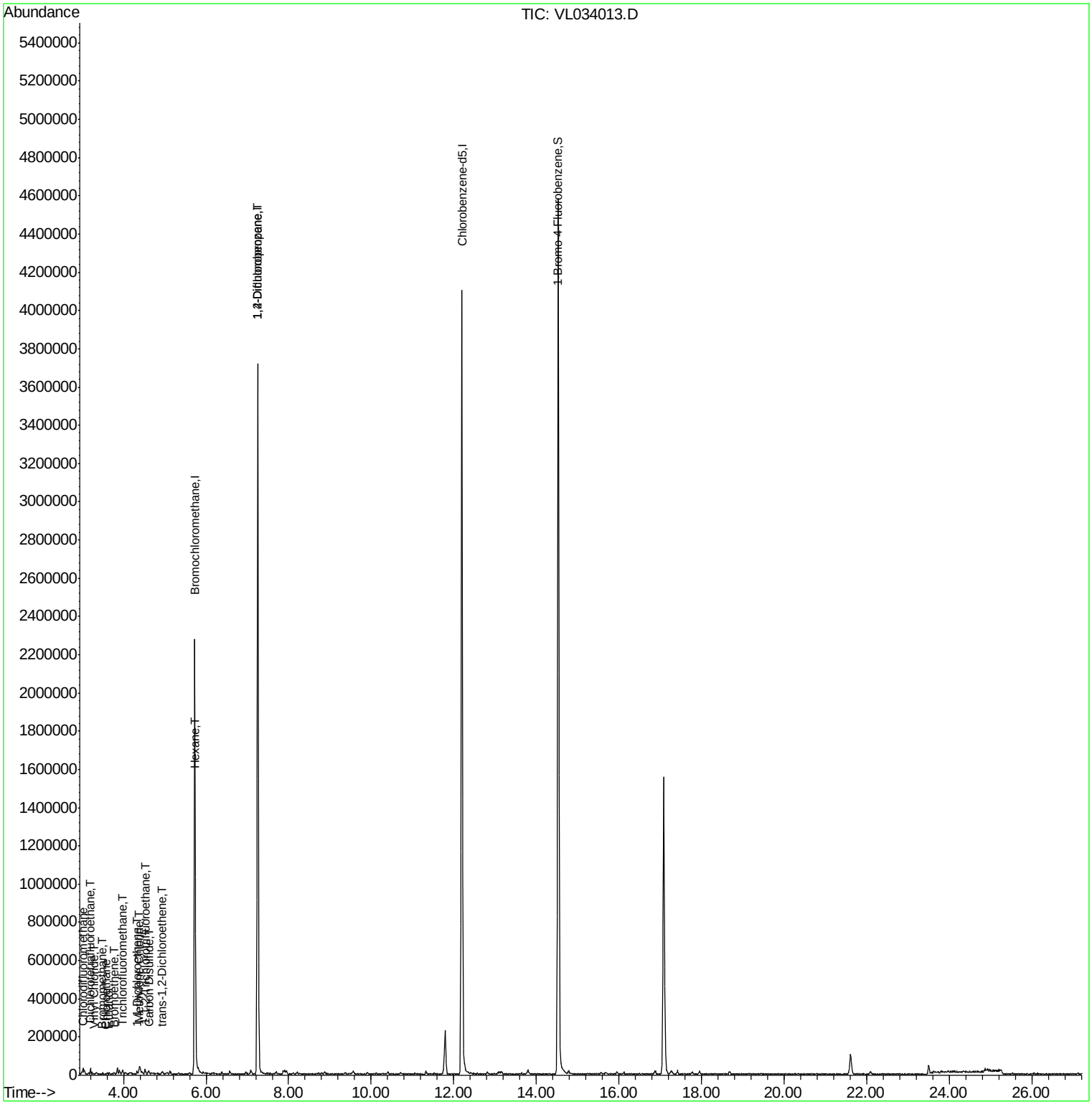
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

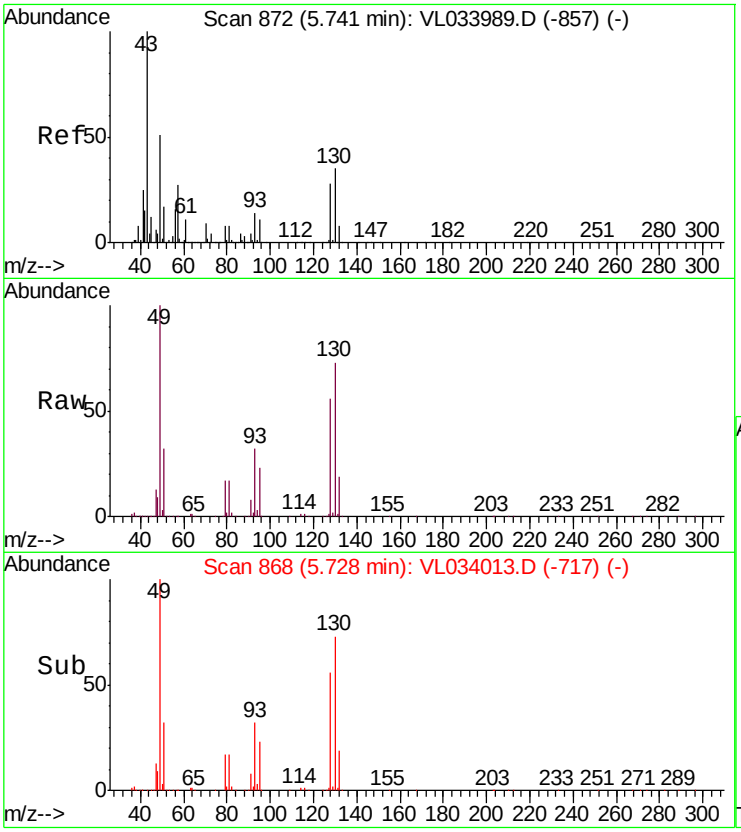
Quantitation Report (Not Reviewed)

Data File : VL034013.D
Acq On : 8 Jul 2019 16:03
Operator : SY/AP
Sample : K3591-15 0.03 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-MDL-AIR-03-QT3-2019

Quant Time: Jul 09 03:48:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration



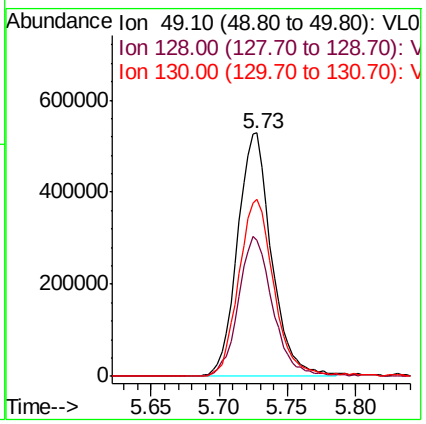


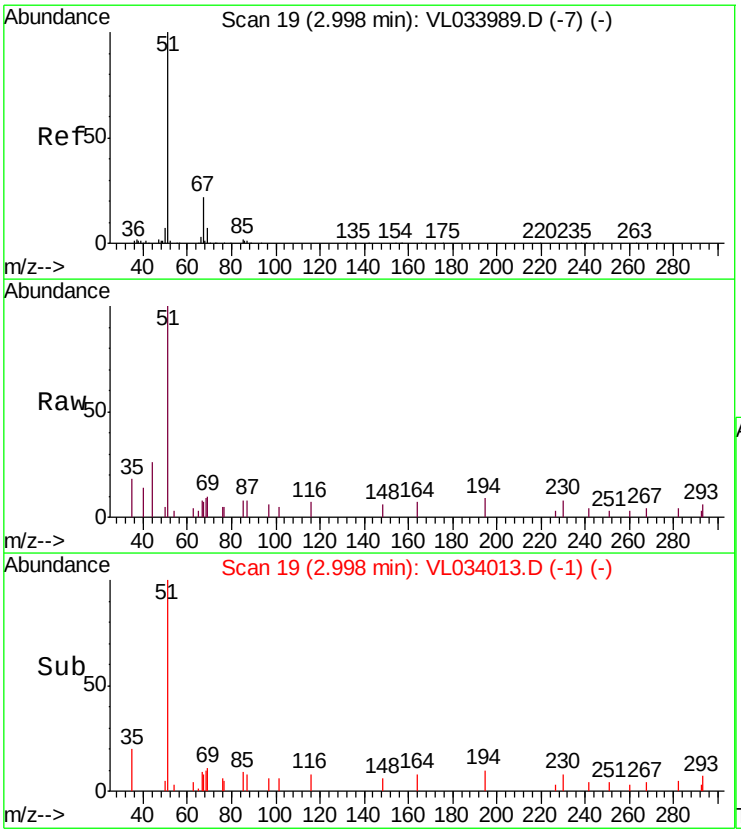
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.73 min Scan# 868
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 49 Resp: 916234

Ion	Ratio	Lower	Upper
49	100		
128	57.9	27.9	83.6
130	75.7	35.8	107.4

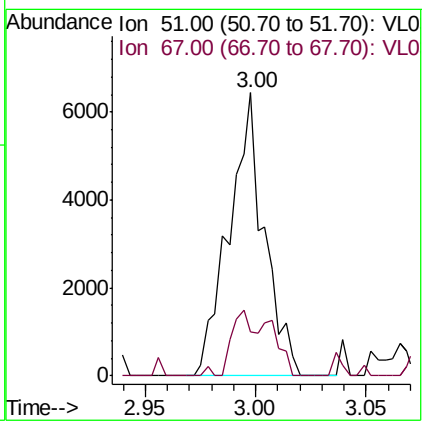


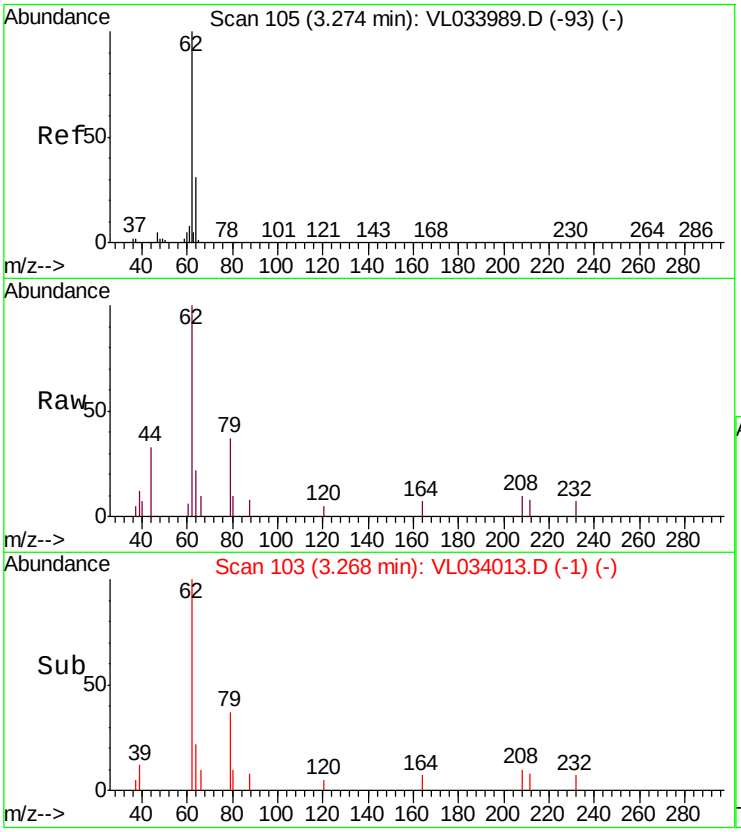


#3
Chlorodifluoromethane
Concen: 0.063 ppbv
RT: 3.00 min Scan# 19
Delta R.T. -0.00 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion: 51 Resp: 7123

Ion	Ratio	Lower	Upper
51	100		
67	25.5	17.3	25.9



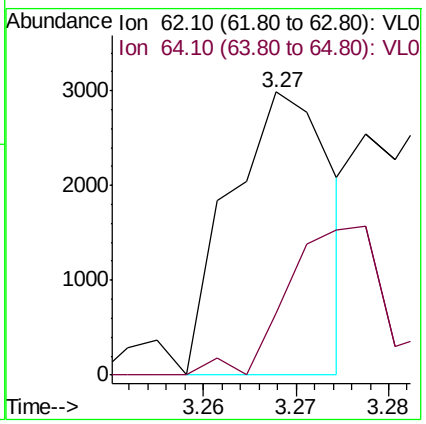


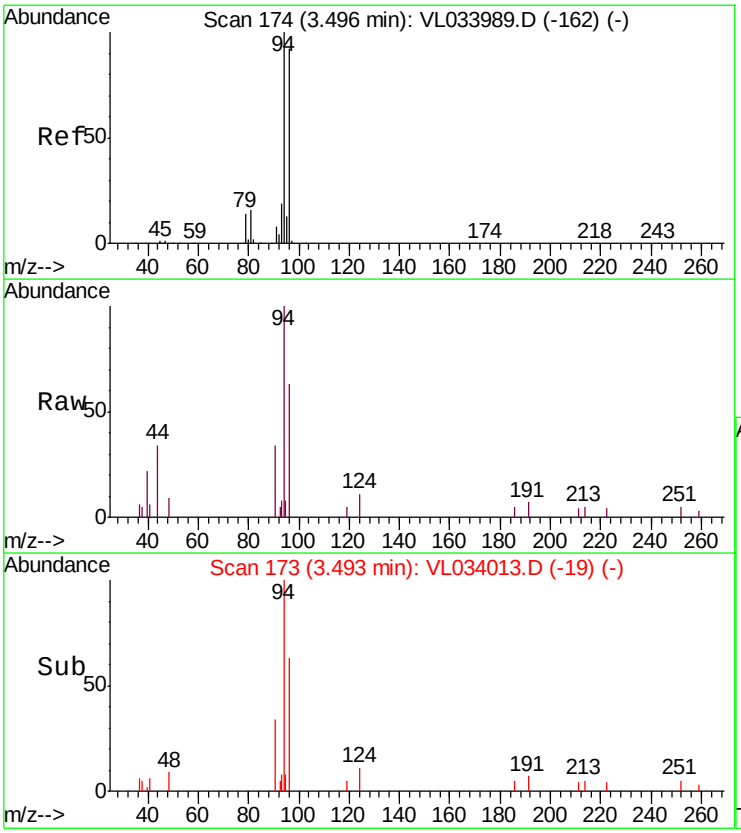
#5
Vinyl Chloride
Concen: 0.031 ppbv
RT: 3.27 min Scan# 103
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 62 Resp: 2262

Ion	Ratio	Lower	Upper
62	100		
64	21.7	24.4	36.6#

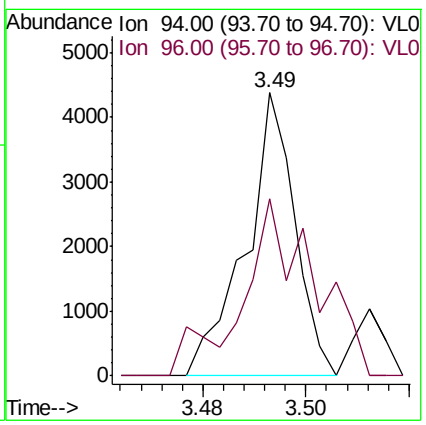


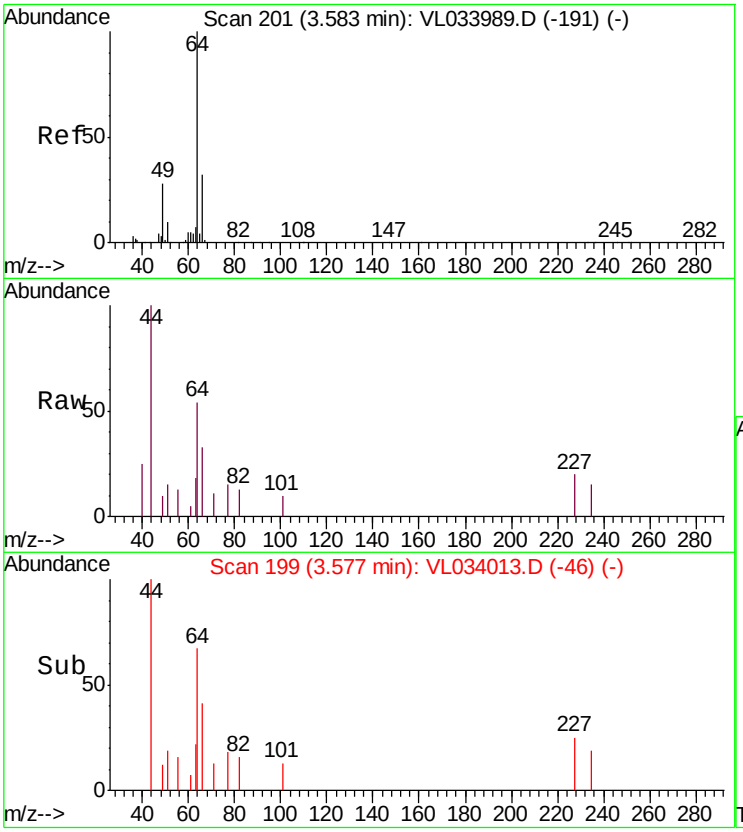


#6
Bromomethane
Concen: 0.067 ppbv
RT: 3.49 min Scan# 173
Delta R.T. -0.00 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion: 94 Resp: 2883

Ion	Ratio	Lower	Upper
94	100		
96	41.8	73.8	110.8#



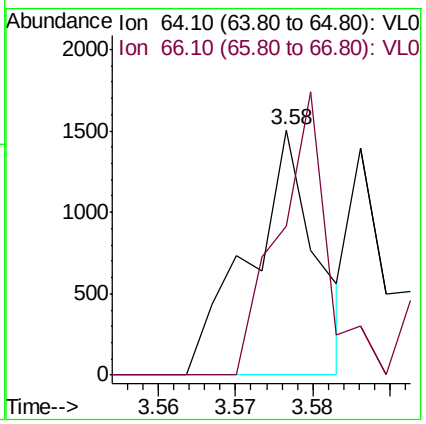


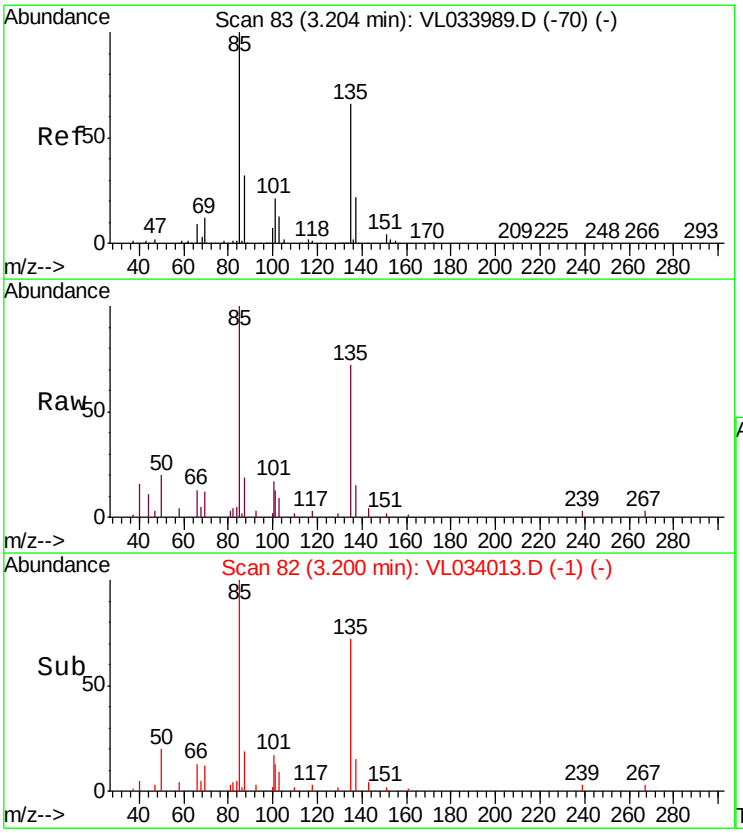
#7
Chloroethane
Concen: 0.034 ppbv
RT: 3.58 min Scan# 199
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 64 Resp: 896

Ion	Ratio	Lower	Upper
64	100		
66	60.7	25.3	37.9#

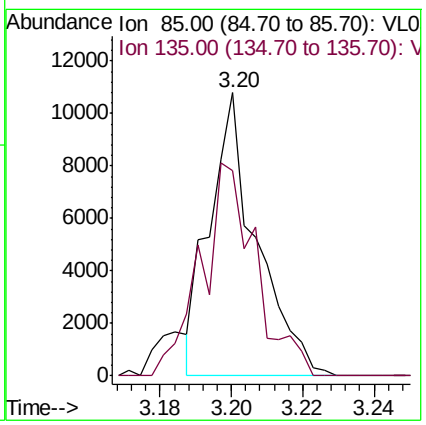


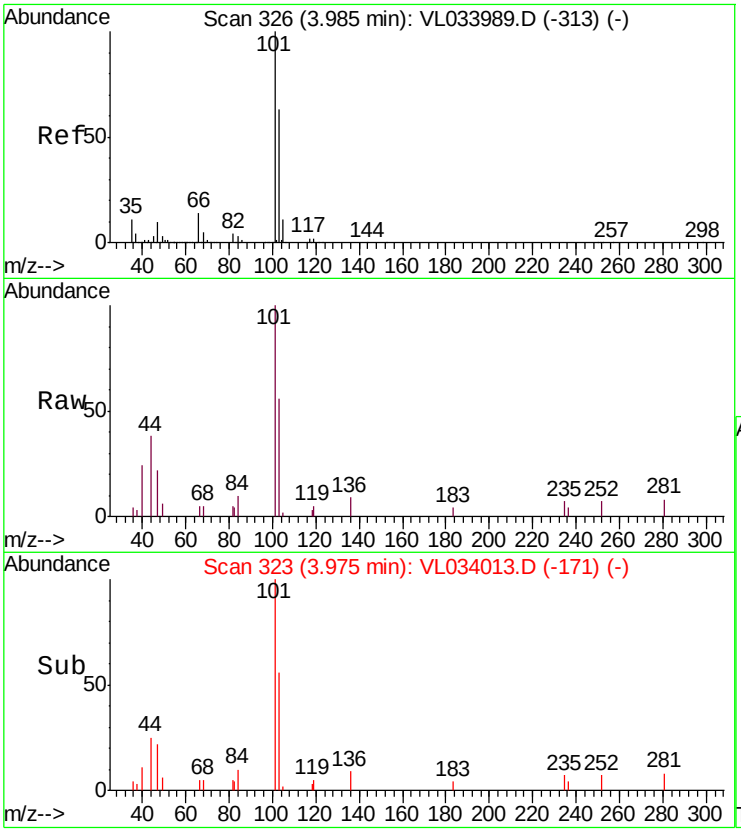


#8
Dichlorotetrafluoroethane
Concen: 0.053 ppbv
RT: 3.20 min Scan# 82
Delta R.T. -0.00 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion: 85 Resp: 9845

Ion	Ratio	Lower	Upper
85	100		
135	86.6	55.0	82.4#



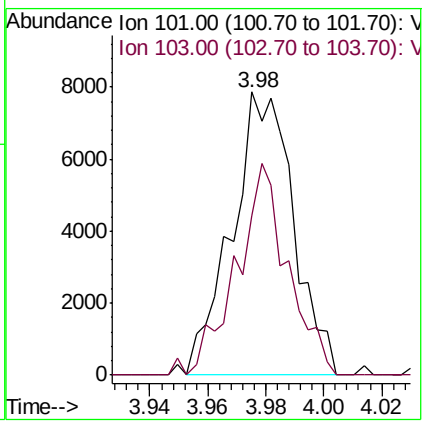


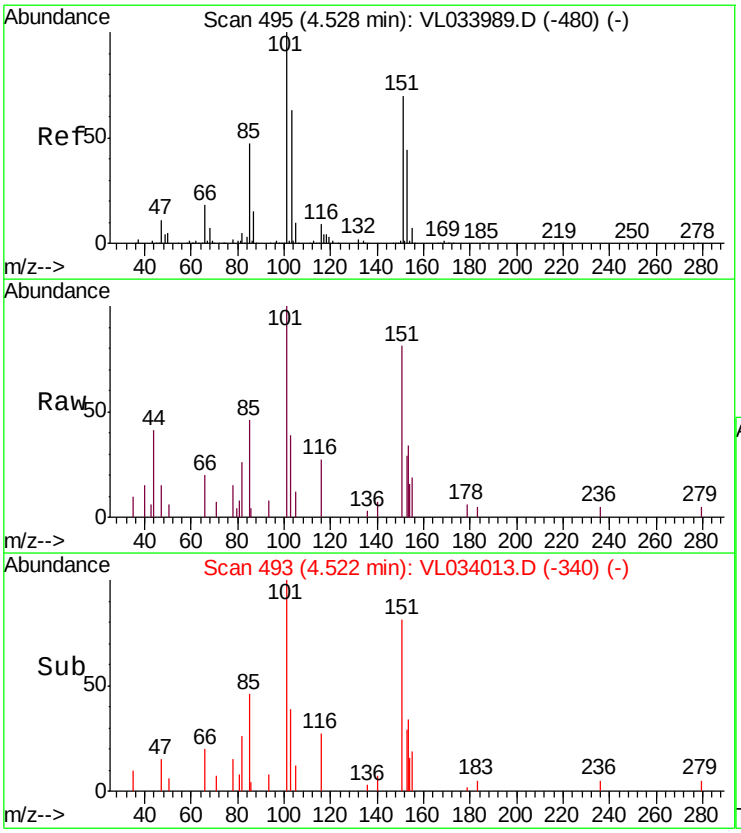
#11
Trichlorofluoromethane
Concen: 0.055 ppbv
RT: 3.98 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:101 Resp: 11592

Ion	Ratio	Lower	Upper
101	100		
103	56.4	50.8	76.2

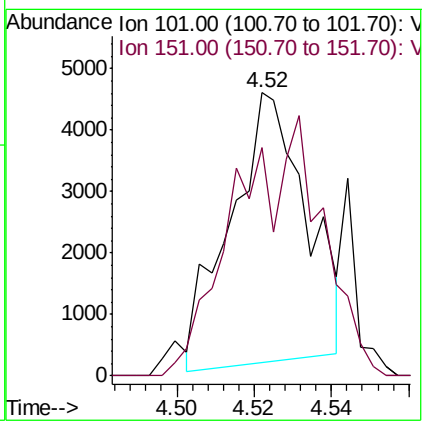


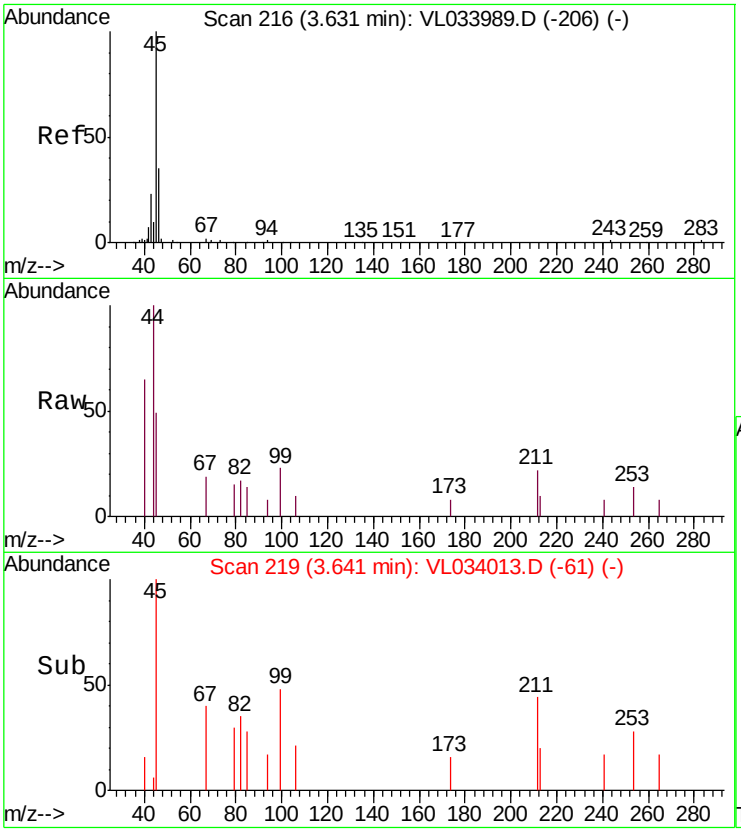


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.52 min Scan# 493
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion:101 Resp: 5984

Ion	Ratio	Lower	Upper
101	100		
151	110.2	59.0	88.4#



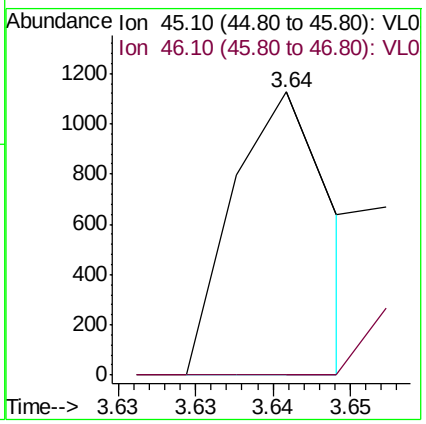


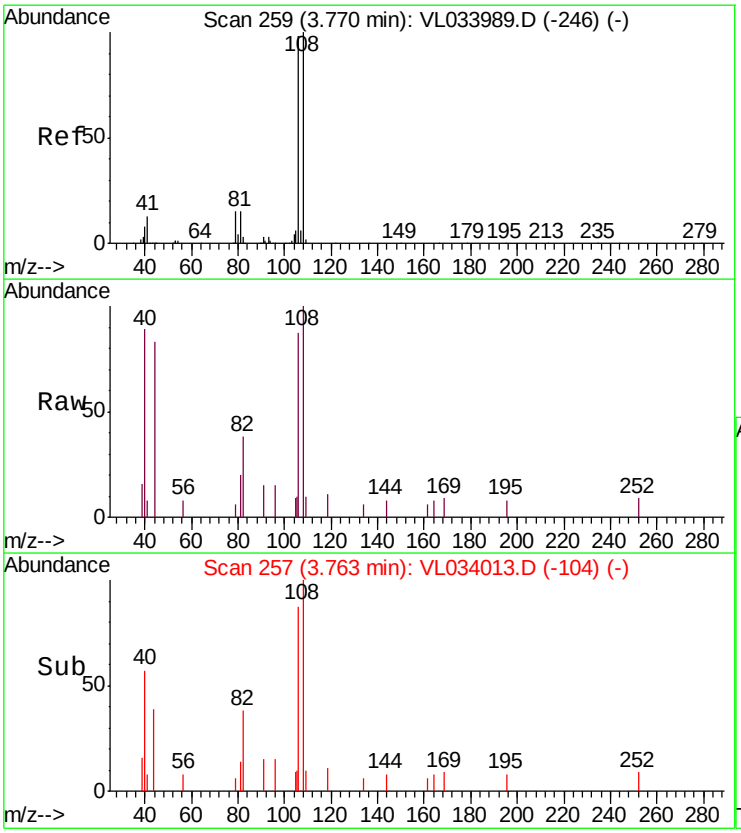
#13
Ethanol
Concen: 0.038 ppbv
RT: 3.64 min Scan# 219
Delta R.T. 0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 45 Resp: 493

Ion	Ratio	Lower	Upper
45	100		
46	19.5	16.2	64.6

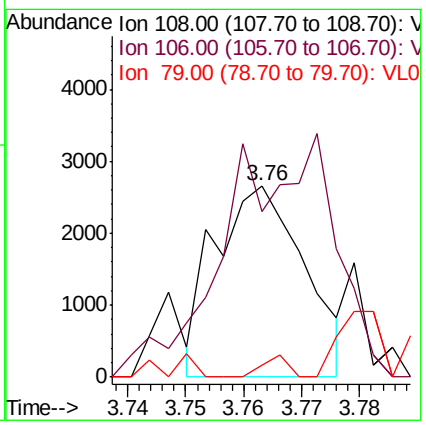


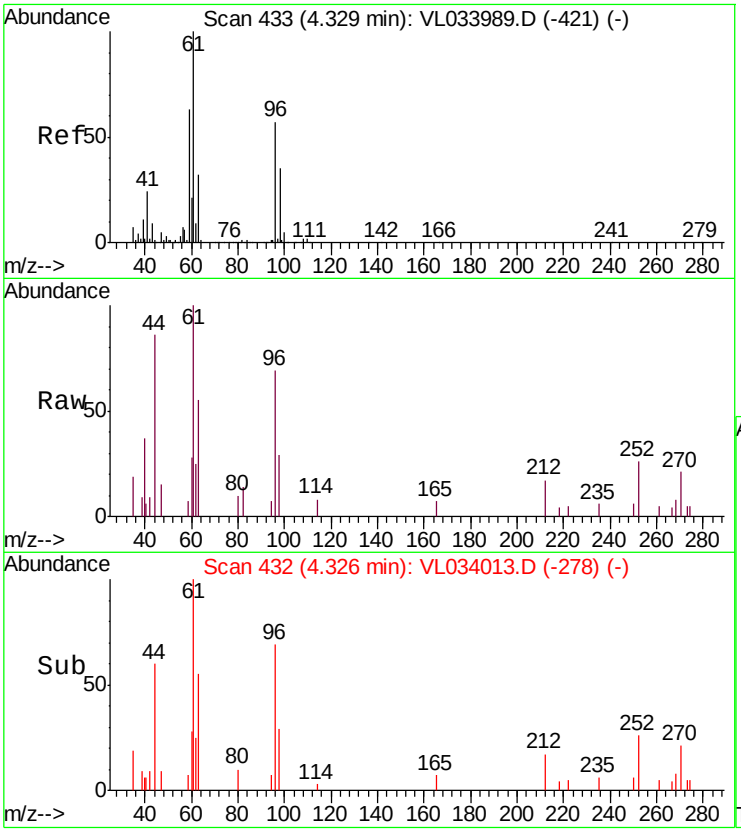


#14
Bromoethene
Concen: 0.051 ppbv
RT: 3.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion:108 Resp: 2844

Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.6	128.4#
79	0.0	14.0	21.0#



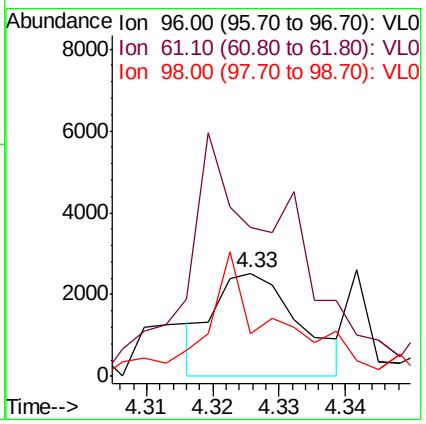


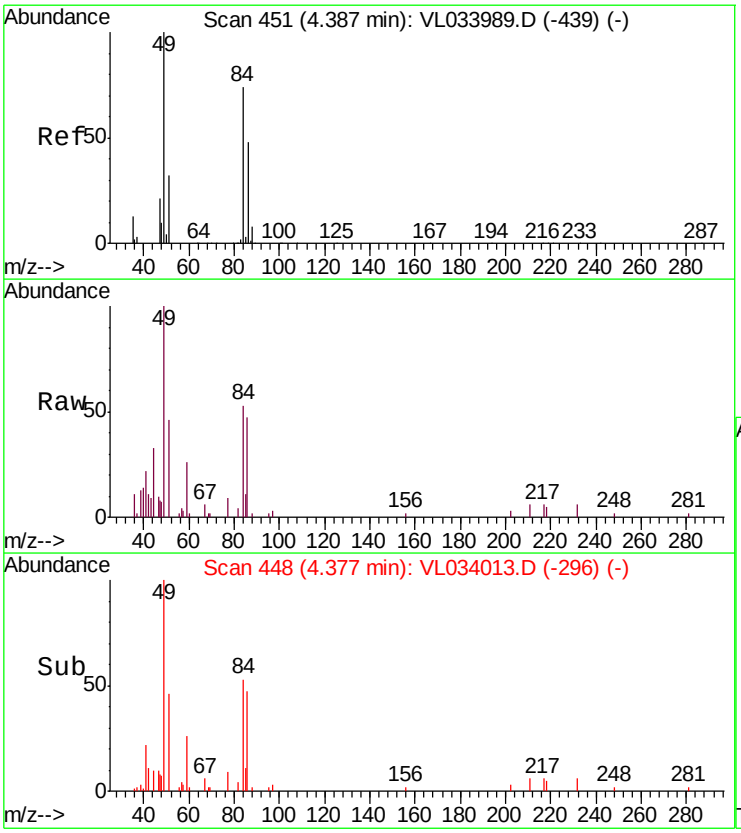
#18
1,1-Dichloroethene
Concen: 0.034 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.00 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 96 Resp: 2265

Ion	Ratio	Lower	Upper
96	100		
61	110.9	139.4	209.0#
98	24.1	49.4	74.0#

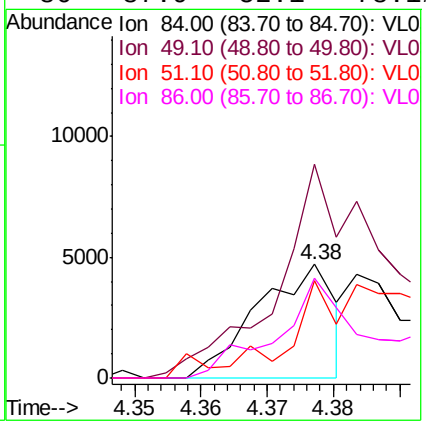


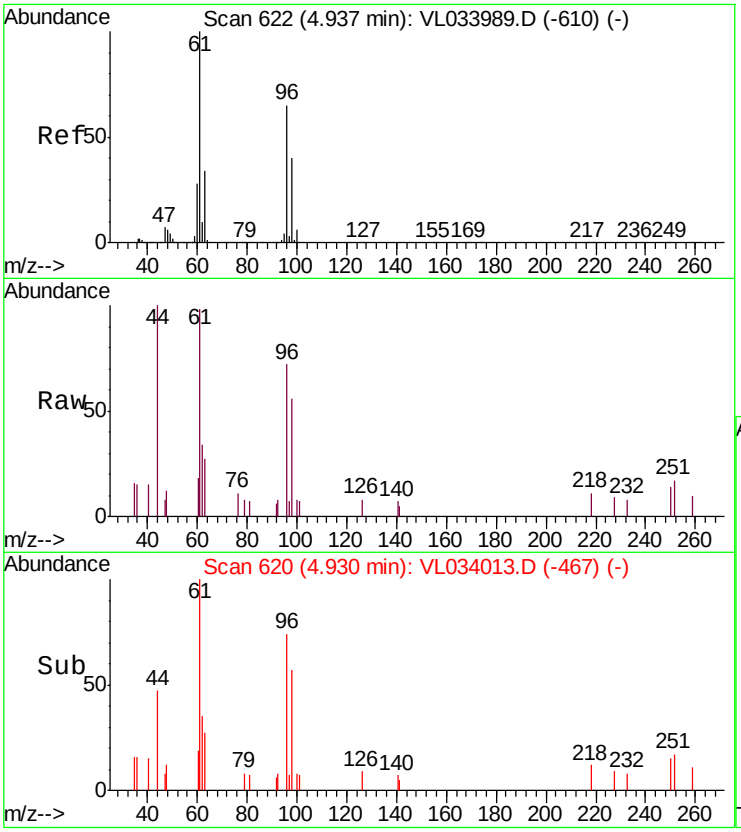


#20
Methylene Chloride
Concen: 0.057 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion: 84 Resp: 3819

Ion	Ratio	Lower	Upper
84	100		
49	170.7	107.6	161.4#
51	63.9	35.0	52.6#
86	87.9	52.1	78.1#



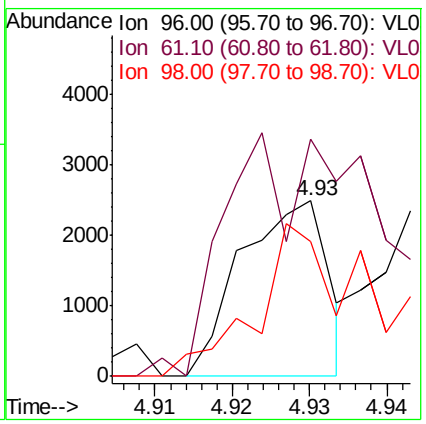


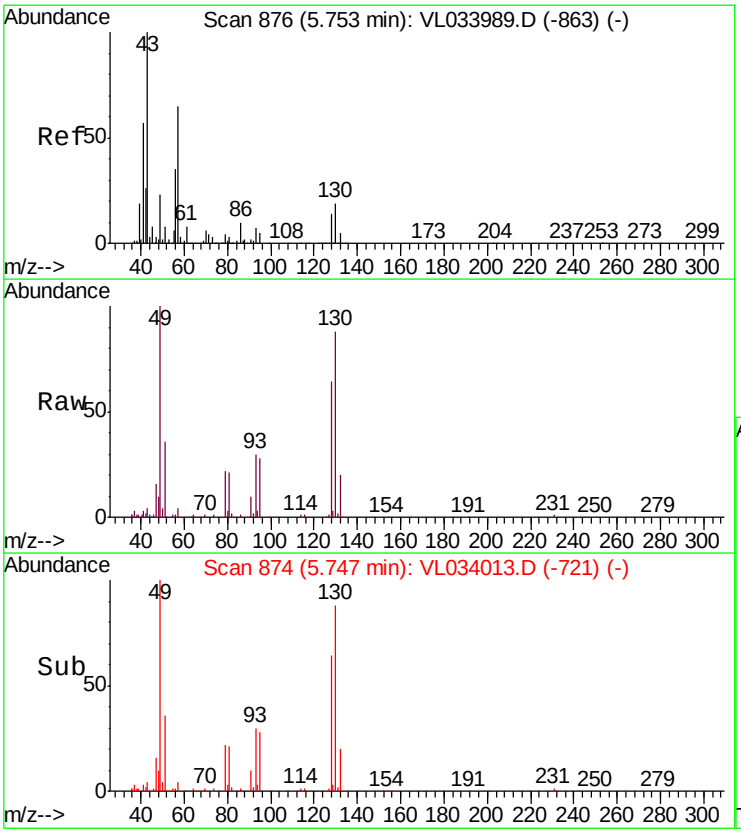
#22
trans-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 4.93 min Scan# 620
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 96 Resp: 1949

Ion	Ratio	Lower	Upper
96	100		
61	181.9	122.9	184.3
98	64.0	49.6	74.4

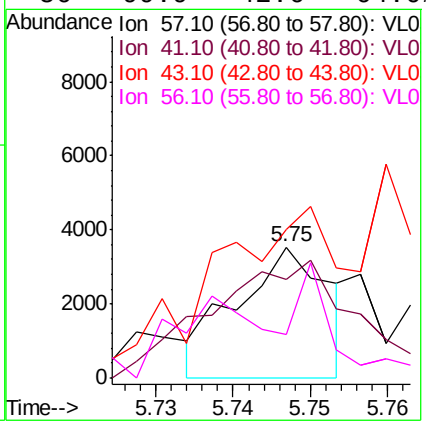


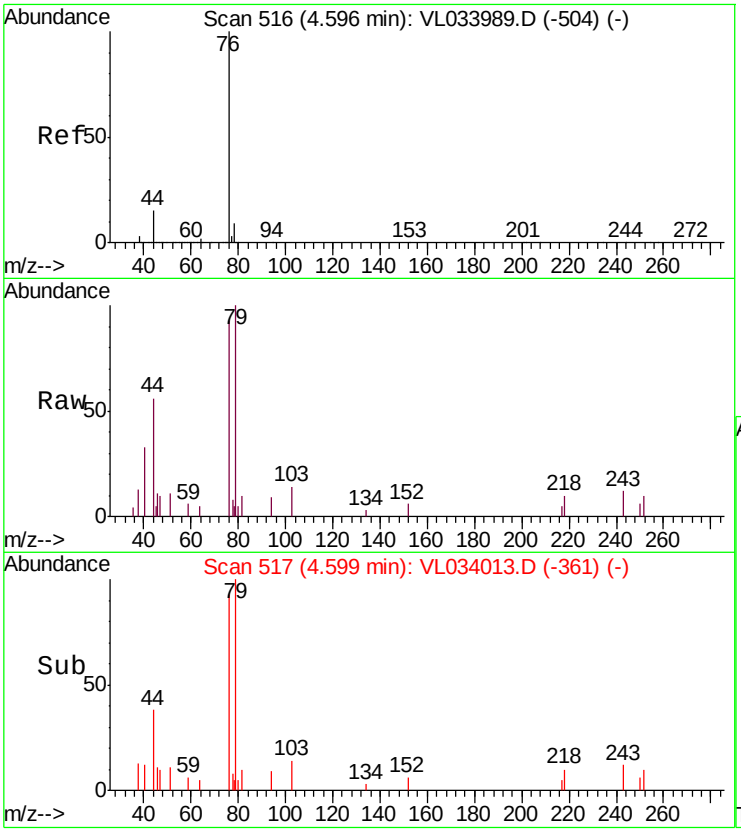


#26
Hexane
Concen: 0.030 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion: 57 Resp: 2922

Ion	Ratio	Lower	Upper
57	100		
41	157.8	70.6	105.8#
43	0.0	177.6	266.4#
56	99.9	42.6	64.0#



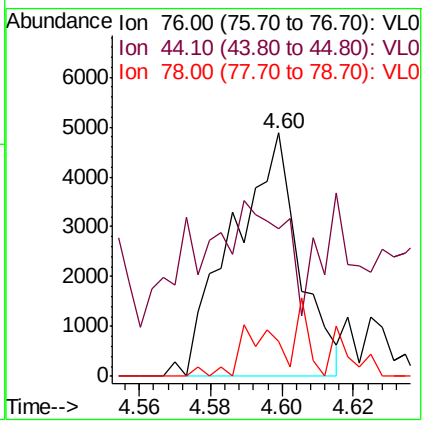


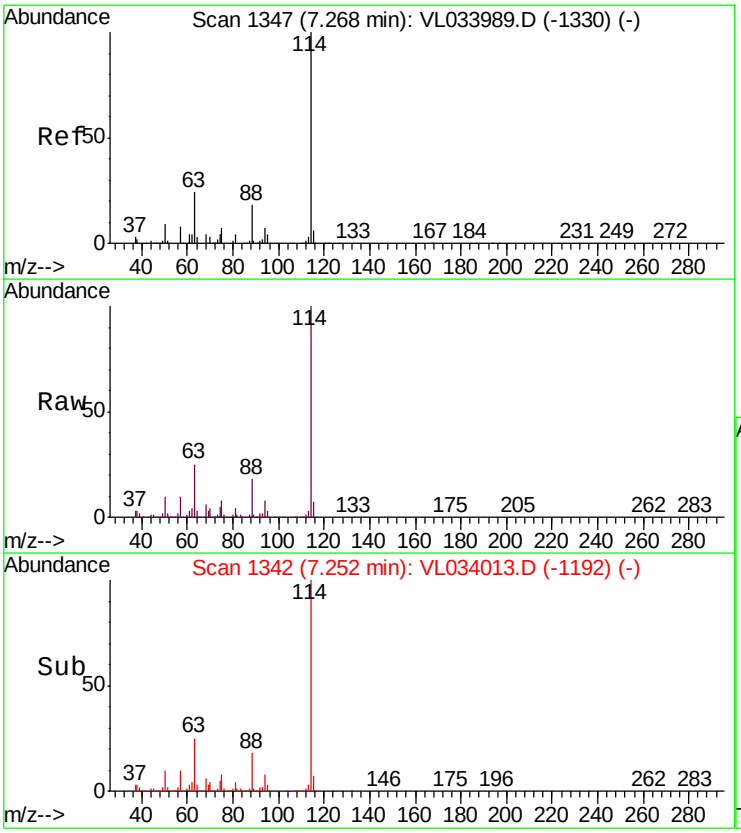
#27
Carbon Disulfide
Concen: 0.038 ppbv
RT: 4.60 min Scan# 517
Delta R.T. 0.00 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 76 Resp: 6242

Ion	Ratio	Lower	Upper
76	100		
44	0.0	12.6	18.8#
78	23.4	7.2	10.8#

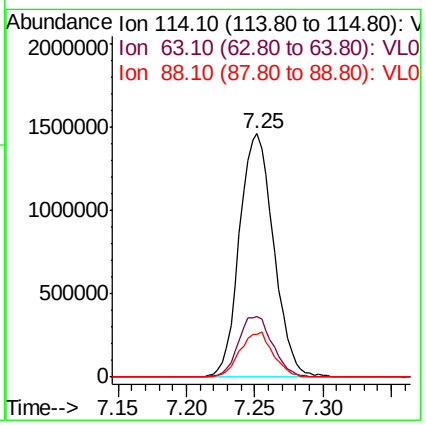


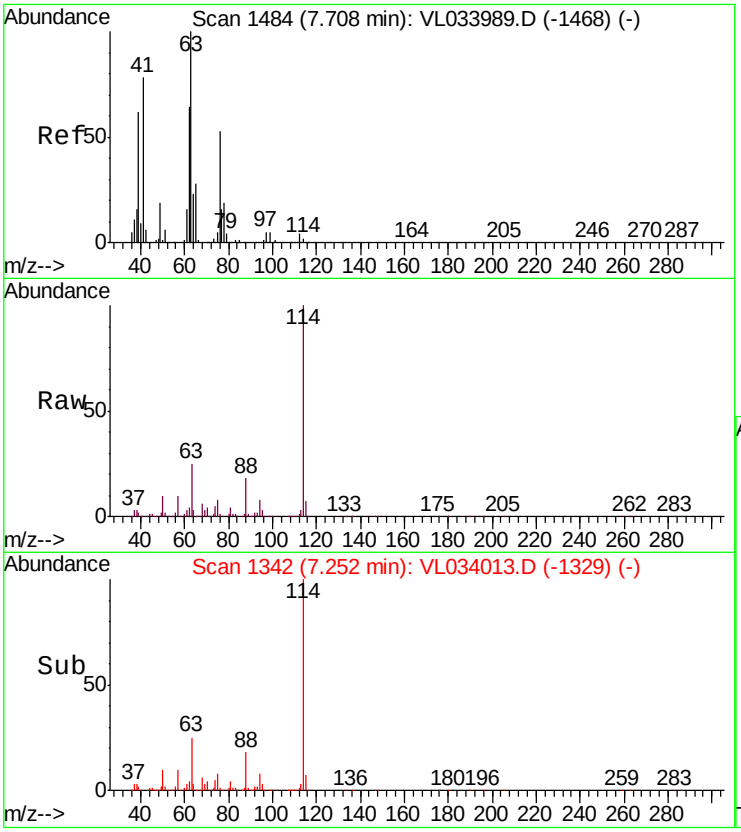


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.02 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion:114 Resp: 2544758

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.2
88	18.0	14.1	21.1



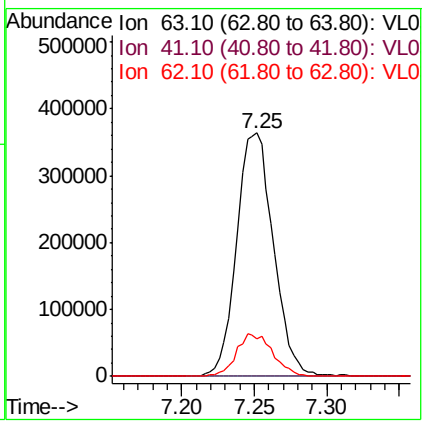


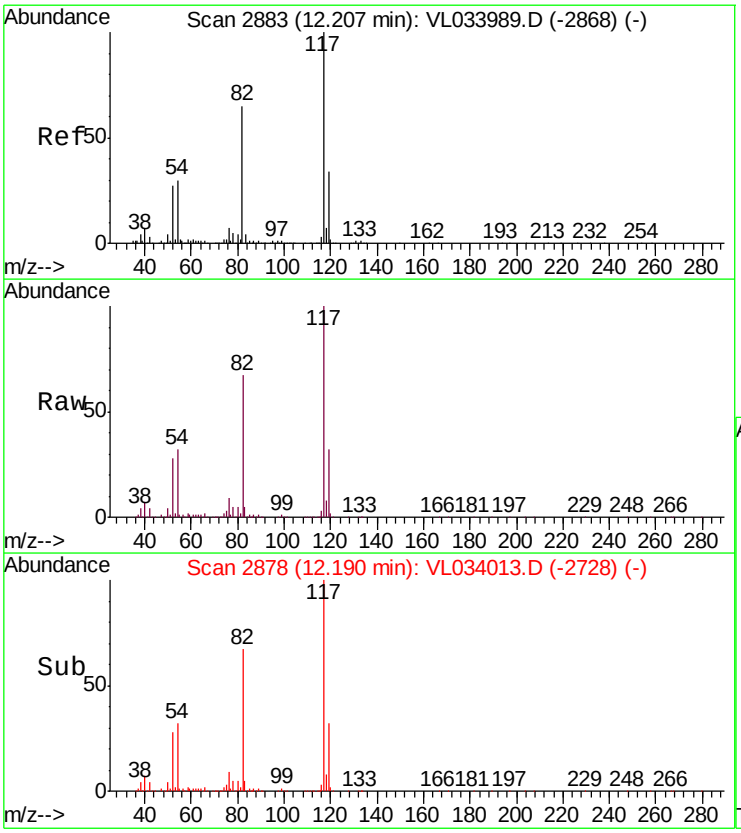
#39
1,2-Dichloropropane
Concen: 8.674 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.46 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 63 Resp: 642276

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.3	93.5#
62	15.3	51.4	77.2#

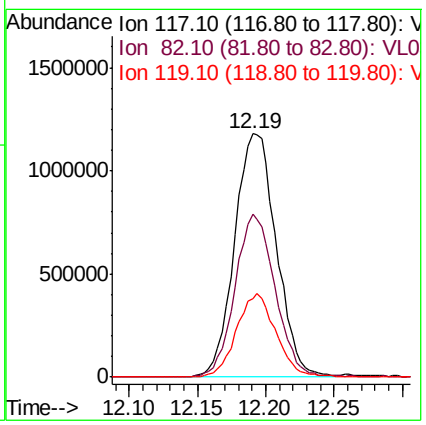


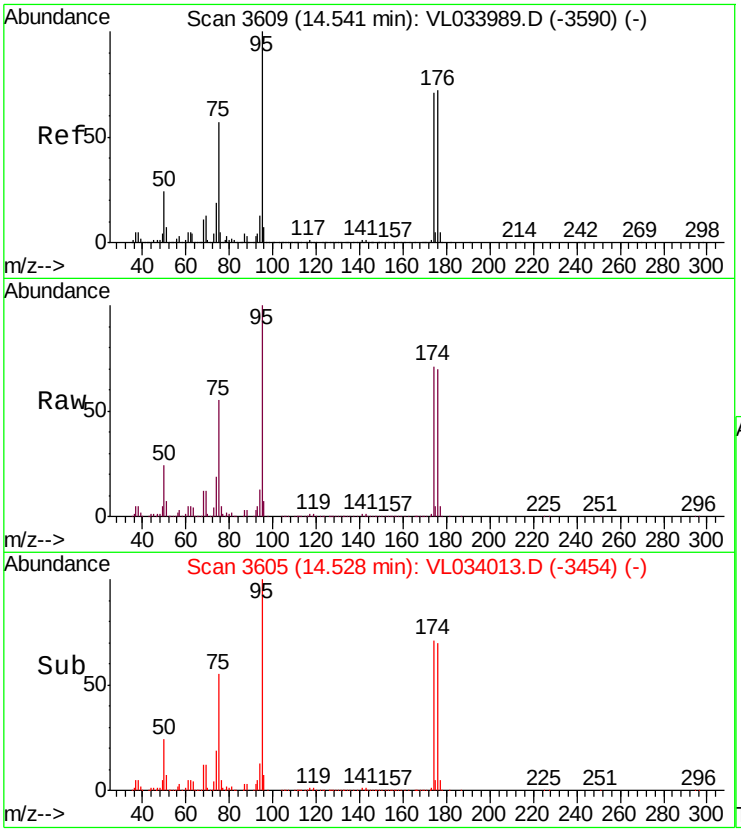


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2878
Delta R.T. -0.02 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Tgt Ion:117 Resp: 2501598

Ion	Ratio	Lower	Upper
117	100		
82	65.1	50.8	76.2
119	32.6	24.0	36.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.366 ppbv
RT: 14.53 min Scan# 3605
Delta R.T. -0.01 min
Lab File: VL034013.D
Acq: 8 Jul 2019 16:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 95 Resp: 1998327

Ion	Ratio	Lower	Upper
95	100		
174	73.2	60.5	90.7
175	5.2	4.0	6.0