Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031889.D
Acq On : 19 Apr 2018 22:12
Operator : SY/AP
Sample : J2133-15 0.03 PPBV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2018

Quant Time: Apr 20 08:01:54 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.88	49	1105347	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2478379	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2453616	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.72	95	2007796	10.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.16	85	12558	0.06	ppbv		90
3) Chlorodifluoromethane	3.10	51	7600	0.06	ppbv		94
8) Dichlorotetrafluoroethane	3.31	85	10216	0.05	ppbv		97
11) Trichlorofluoromethane	4.12	101	11155	0.05	ppbv		98
14) Bromoethene	3.89	108	2155	0.04	ppbv	#	74
20) Methylene Chloride	4.52	84	7843	0.13	ppbv	#	84
22) trans-1,2-Dichloroethene	5.08	96	2661	0.04	ppbv	#	49
24) 1,1-Dichloroethane	5.21	63	5168	0.03	ppbv	#	88
29) Chloroform	5.98	83	10849	0.05	ppbv		98
37) 1,2-Dichloroethane	6.54	62	5177	0.03	ppbv	#	94
39) 1,2-Dichloropropane	7.42	63	679366	8.20	ppbv	#	21

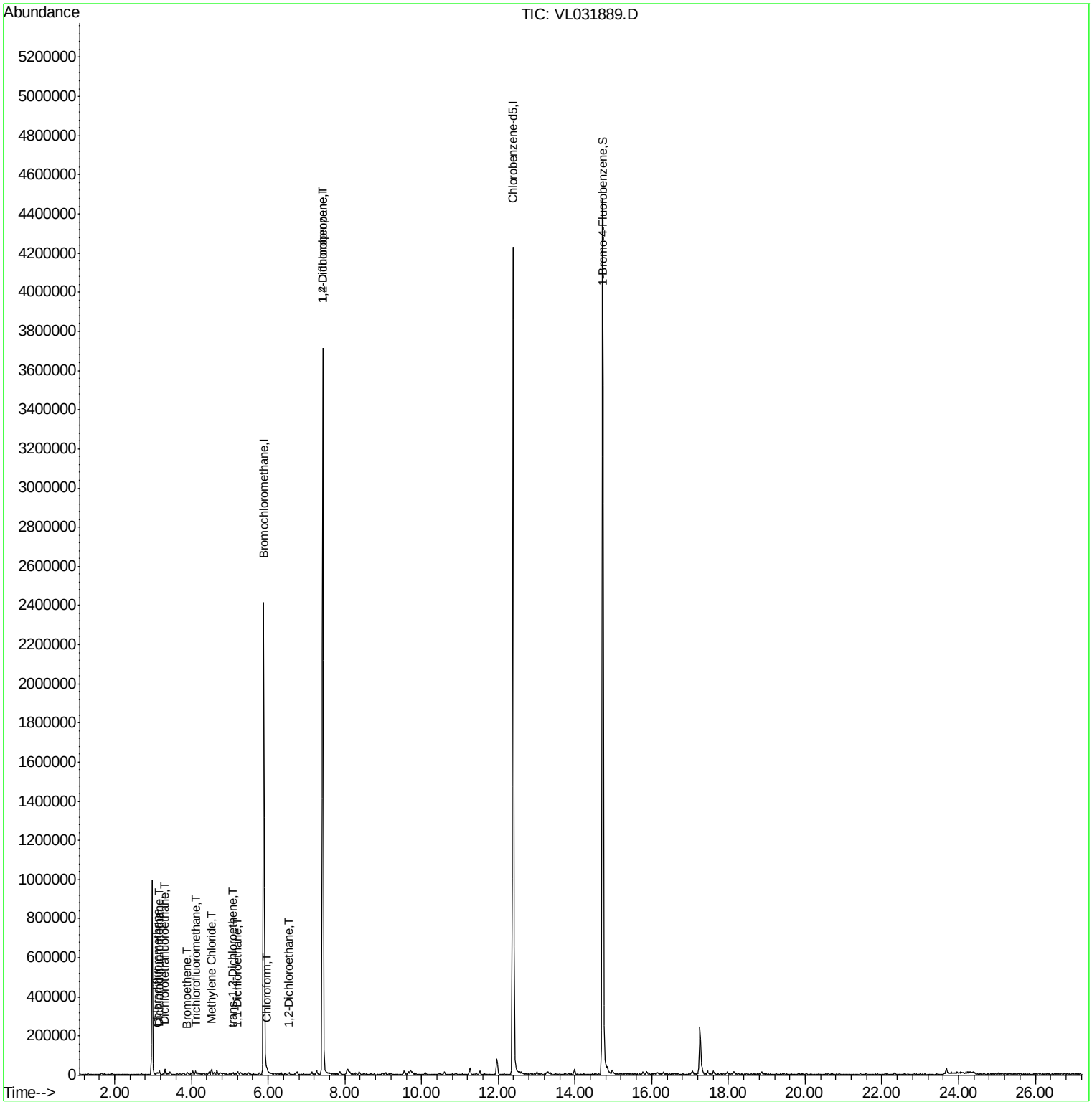
(#) = qualifier out of range (m) = manual integration (+) = signals summed

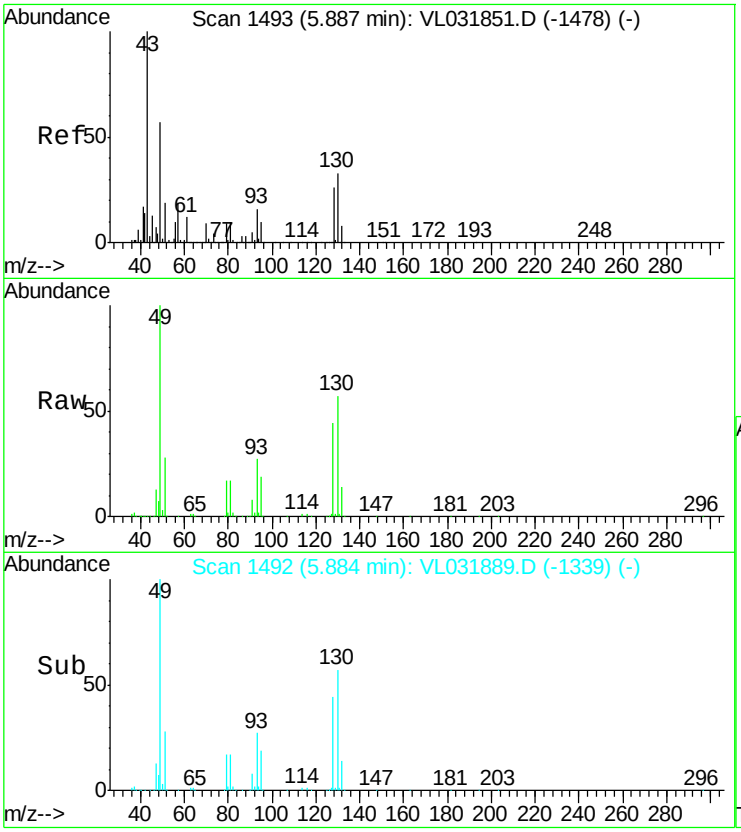
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031889.D
Acq On : 19 Apr 2018 22:12
Operator : SY/AP
Sample : J2133-15 0.03 PPBV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Quant Time: Apr 20 08:01:54 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration



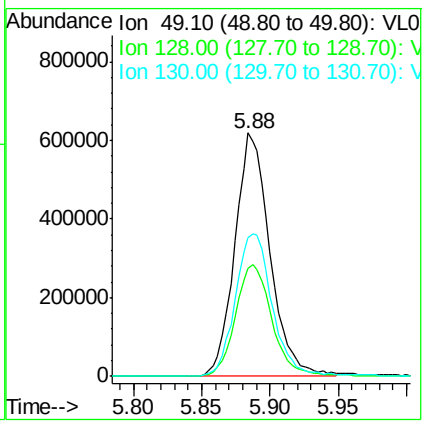


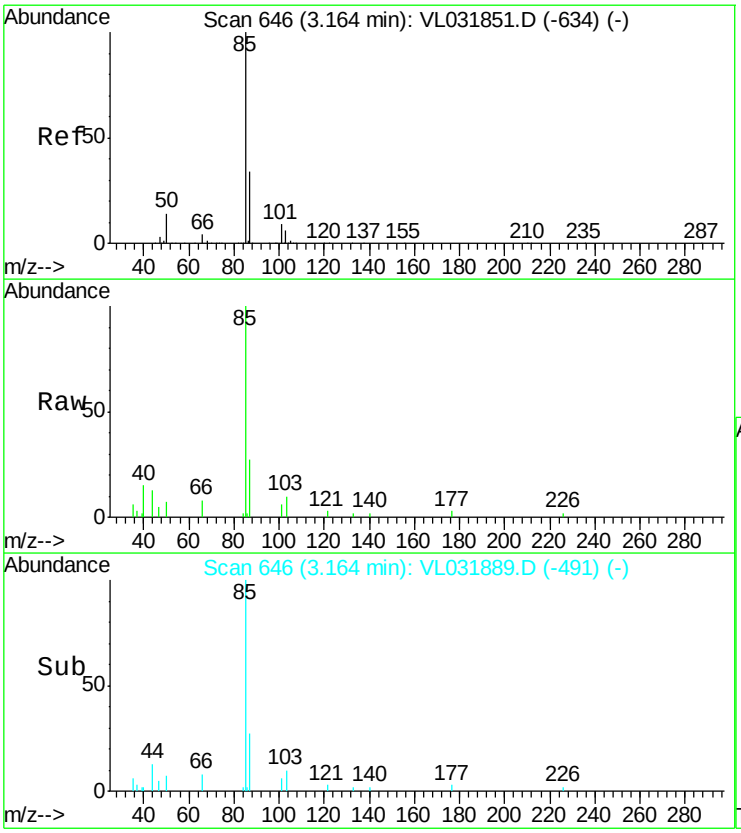
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion: 49 Resp: 1105347

Ion	Ratio	Lower	Upper
49	100		
128	48.1	23.9	71.7
130	62.4	30.9	92.7

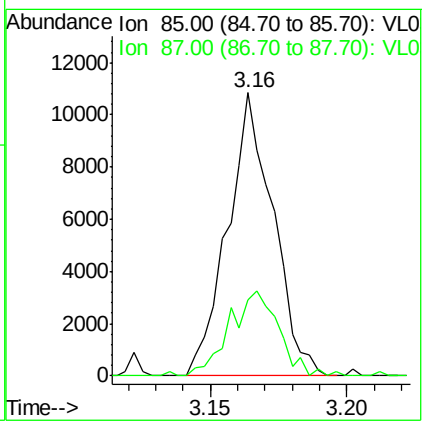


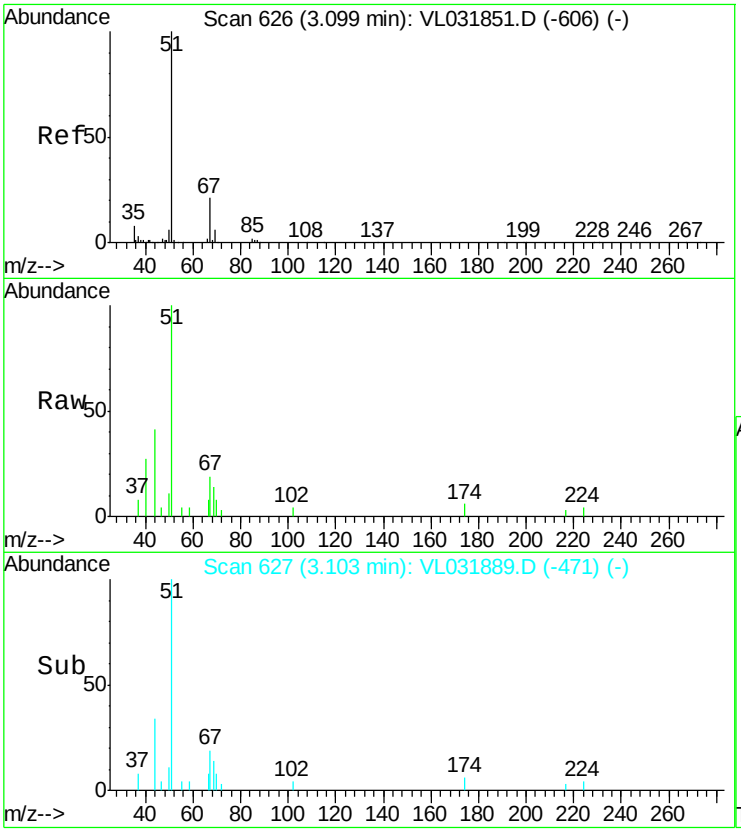


#2
Dichlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.16 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion: 85 Resp: 12558

Ion	Ratio	Lower	Upper
85	100		
87	26.9	25.9	38.9



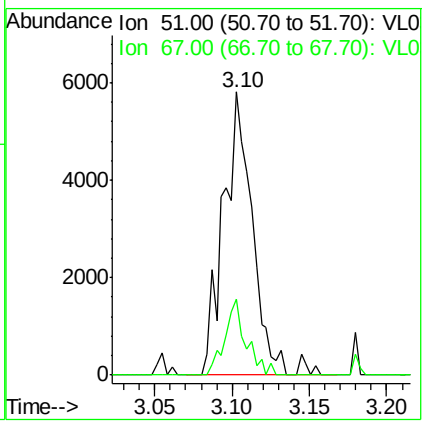


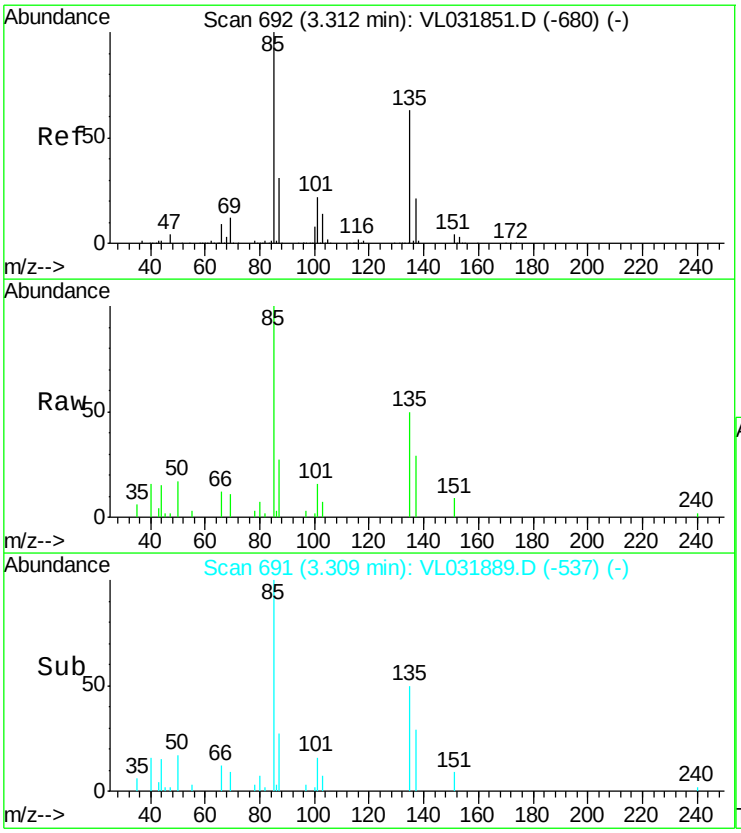
#3
Chlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.10 min Scan# 627
Delta R.T. 0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion: 51 Resp: 7600

Ion	Ratio	Lower	Upper
51	100		
67	19.3	17.5	26.3

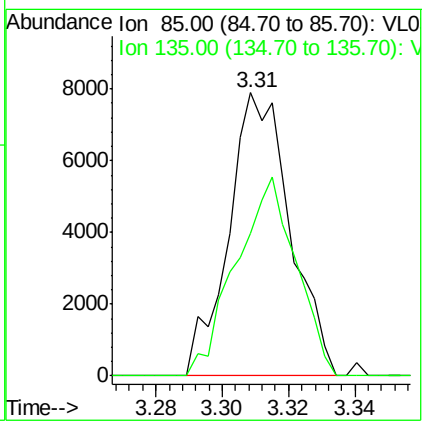


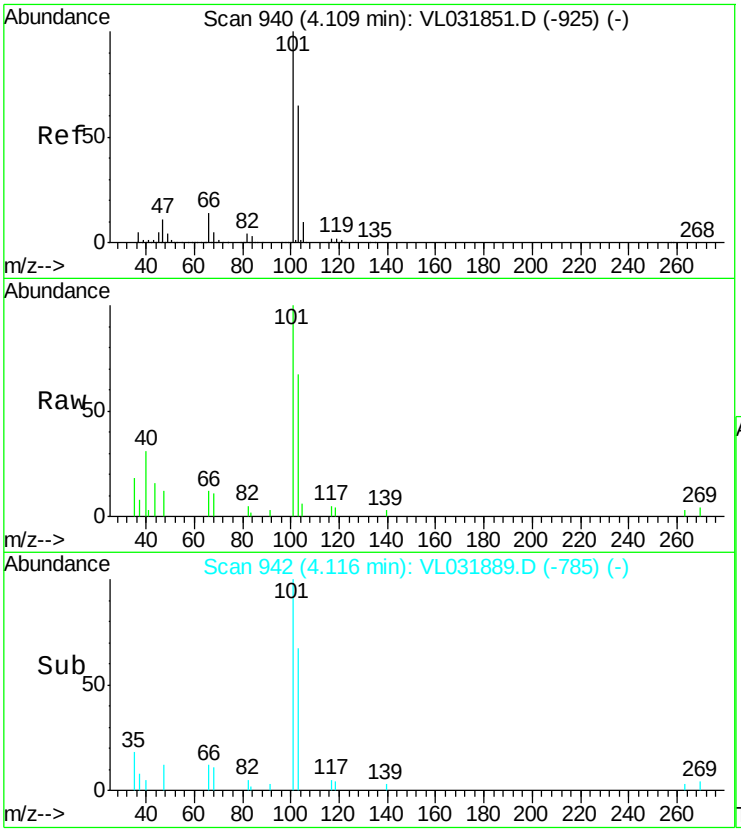


#8
Dichlorotetrafluoroethane
Concen: 0.05 ppbv
RT: 3.31 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion: 85 Resp: 10216

Ion	Ratio	Lower	Upper
85	100		
135	68.4	52.7	79.1



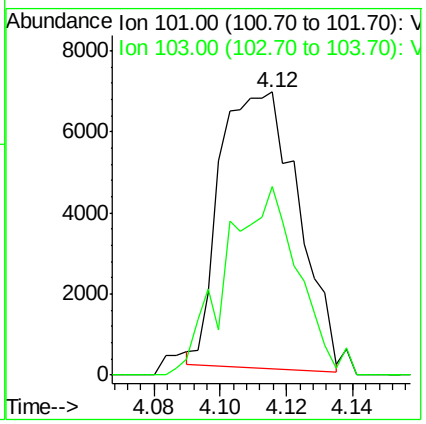


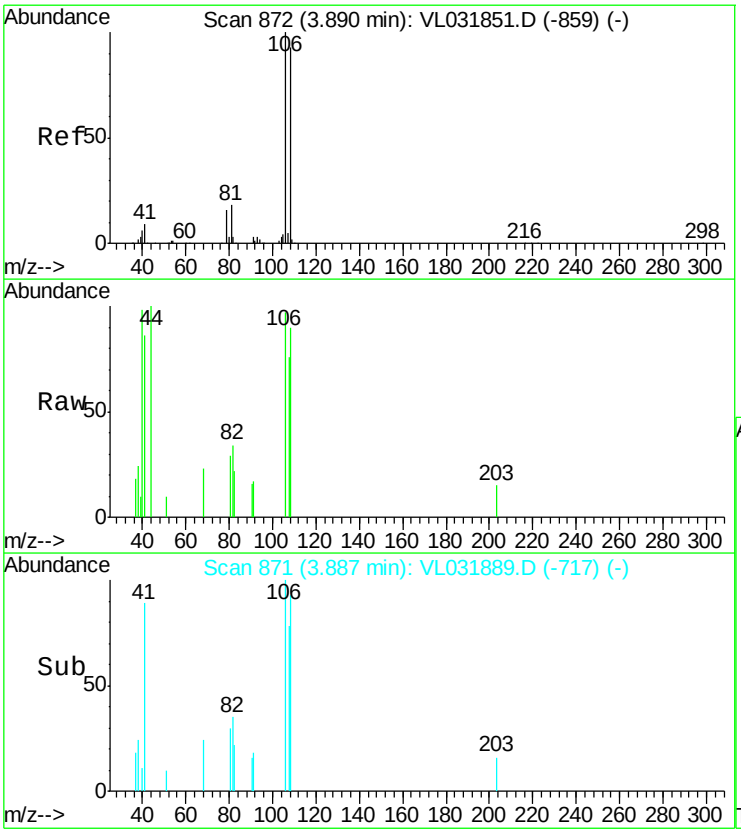
#11
Trichlorofluoromethane
Concen: 0.05 ppbv
RT: 4.12 min Scan# 942
Delta R.T. 0.01 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion:101 Resp: 11155

Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.8

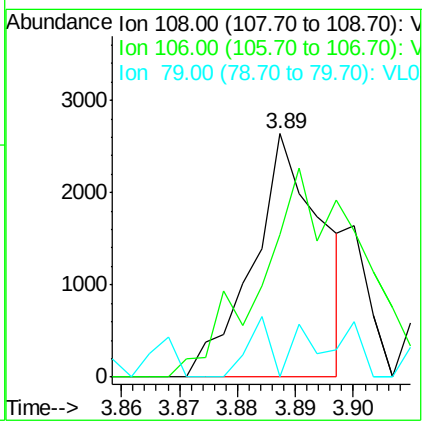


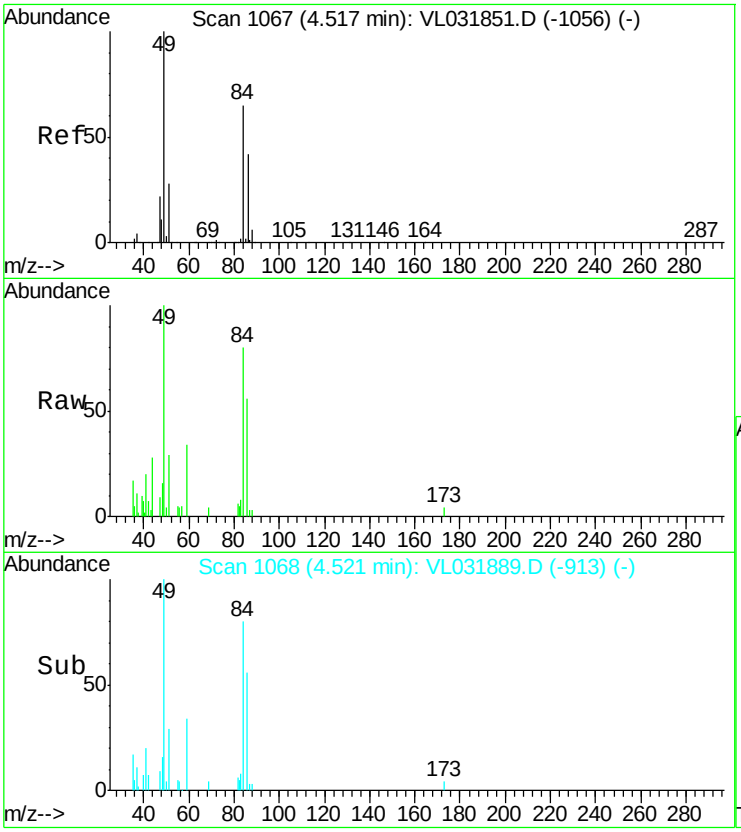


#14
Bromoethene
Concen: 0.04 ppbv
RT: 3.89 min Scan# 871
Delta R.T. -0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion:108 Resp: 2155

Ion	Ratio	Lower	Upper
108	100		
106	140.1	86.6	130.0#
79	18.5	15.5	23.3



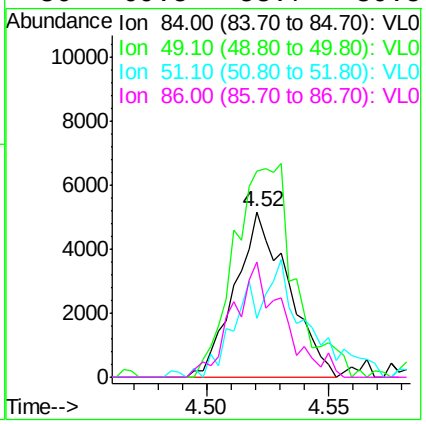


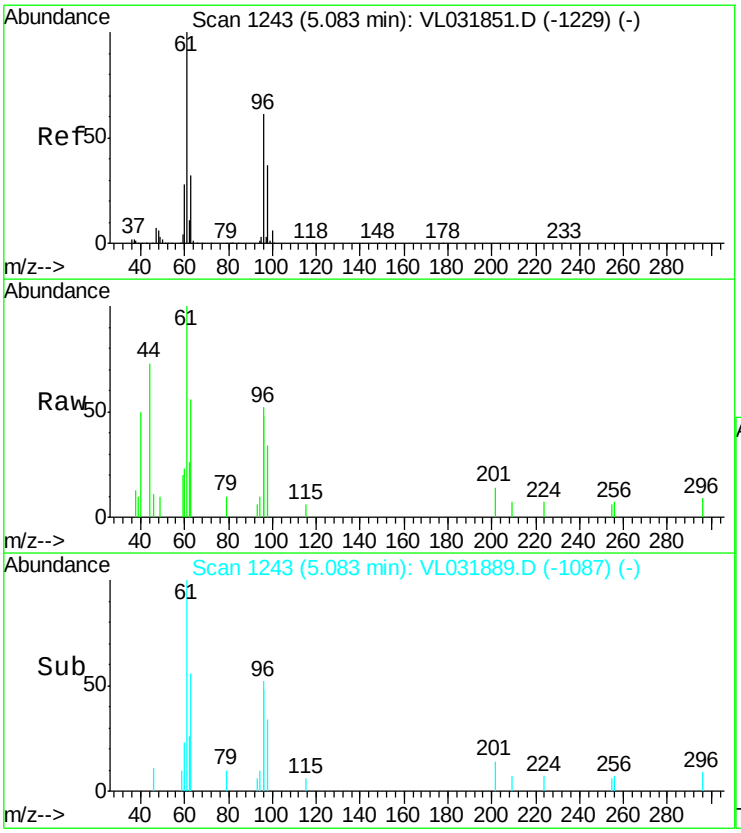
#20
Methylene Chloride
Concen: 0.13 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion: 84 Resp: 7843

Ion	Ratio	Lower	Upper
84	100		
49	128.8	125.6	188.4
51	35.7	36.4	54.6#
86	69.5	53.7	80.5

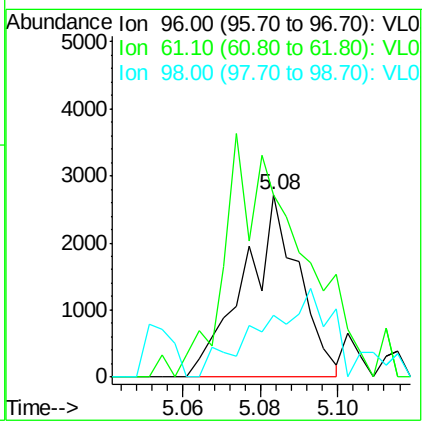


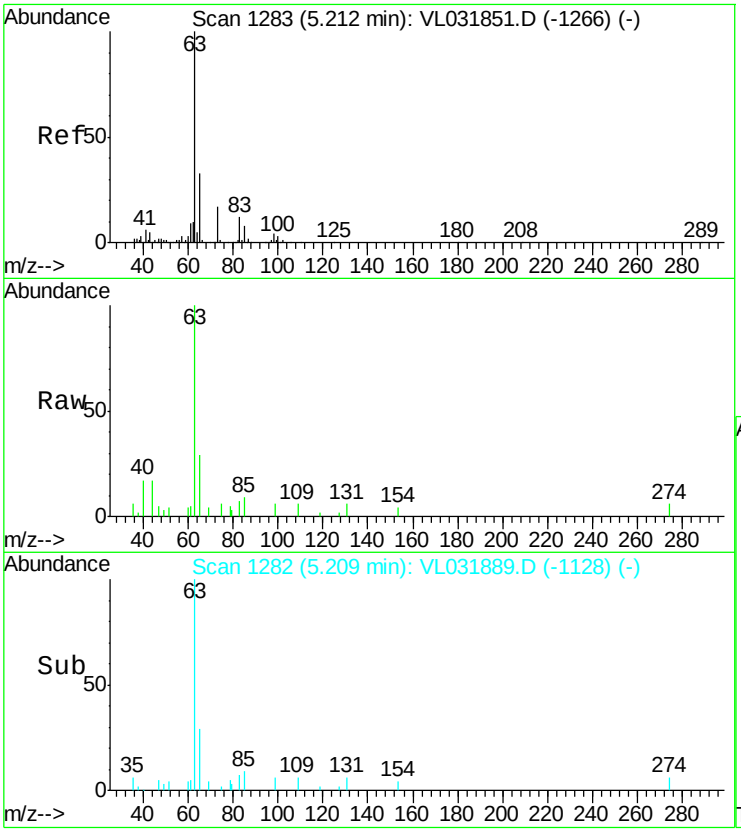


#22
trans-1,2-Dichloroethene
Concen: 0.04 ppbv
RT: 5.08 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion: 96 Resp: 2661

Ion	Ratio	Lower	Upper
96	100		
61	87.7	131.1	196.7#
98	34.0	47.6	71.4#



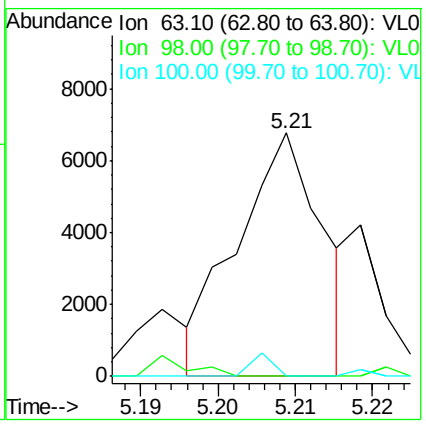


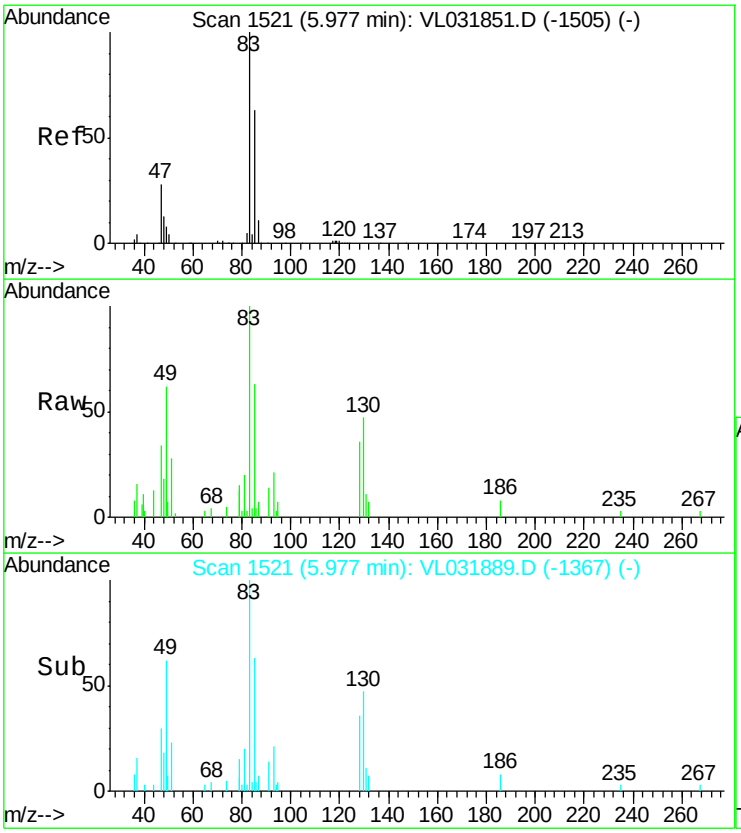
#24
1,1-Dichloroethane
Concen: 0.03 ppbv
RT: 5.21 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion: 63 Resp: 5168

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.2#
100	0.0	1.5	4.4#

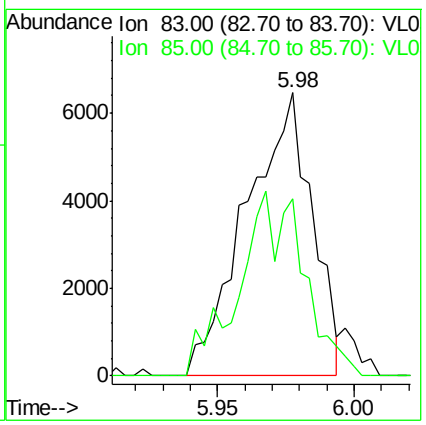


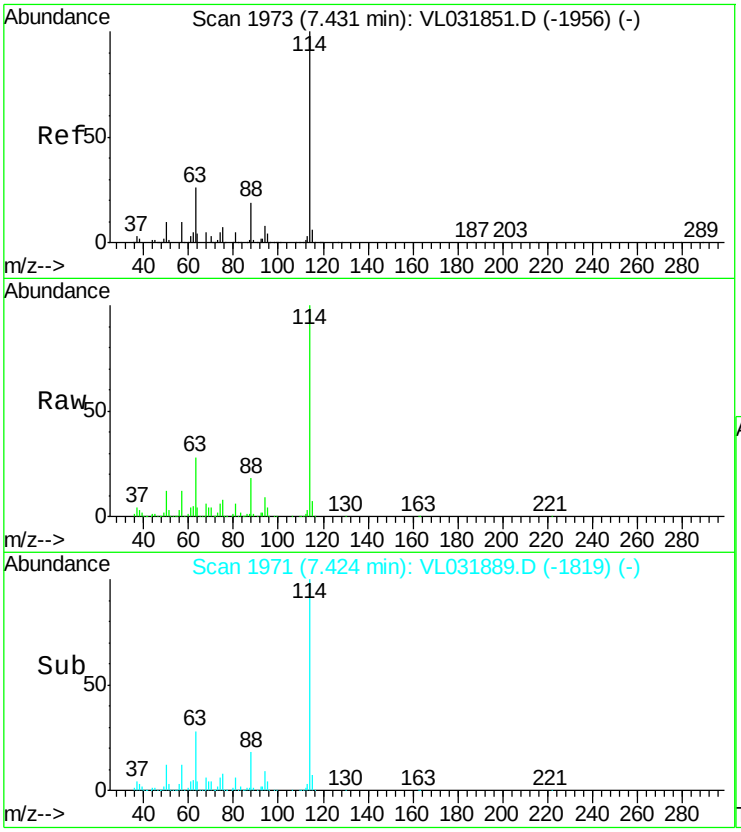


#29
Chloroform
Concen: 0.05 ppbv
RT: 5.98 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion: 83 Resp: 10849

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0



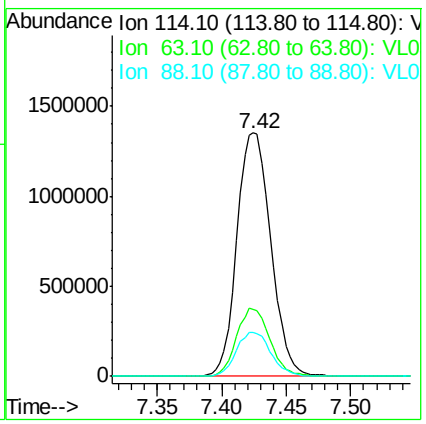


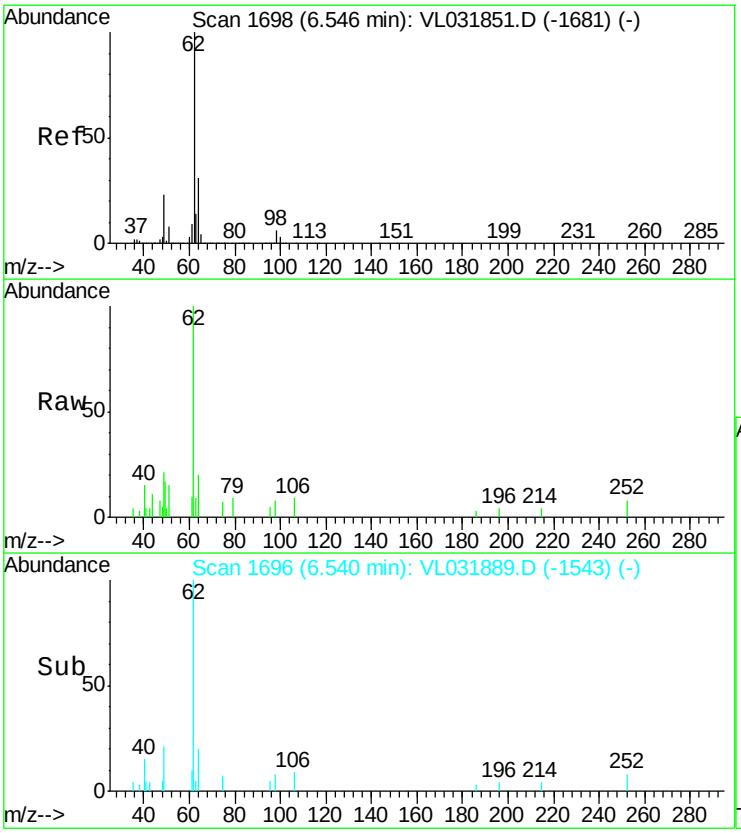
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion:114 Resp: 2478379

Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.8	32.6
88	18.4	14.6	22.0

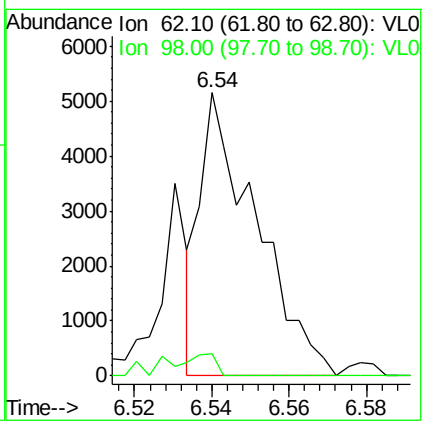


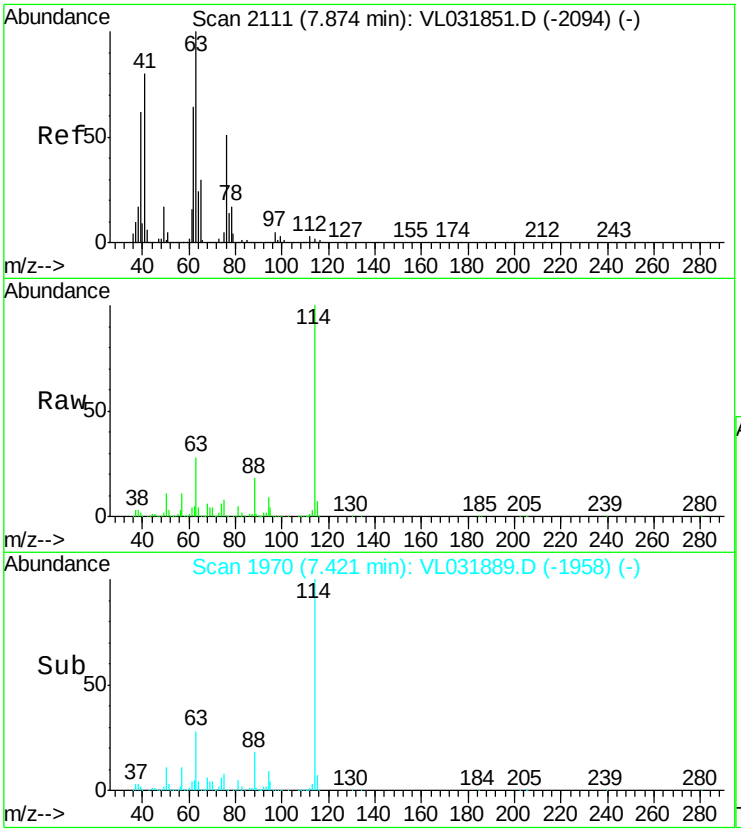


#37
1,2-Dichloroethane
Concen: 0.03 ppbv
RT: 6.54 min Scan# 1696
Delta R.T. -0.01 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion: 62 Resp: 5177

Ion	Ratio	Lower	Upper
62	100		
98	6.8	4.0	6.0#



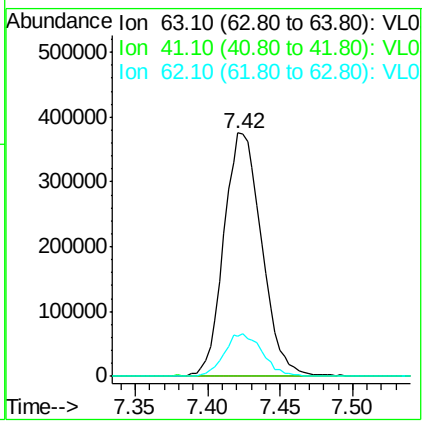


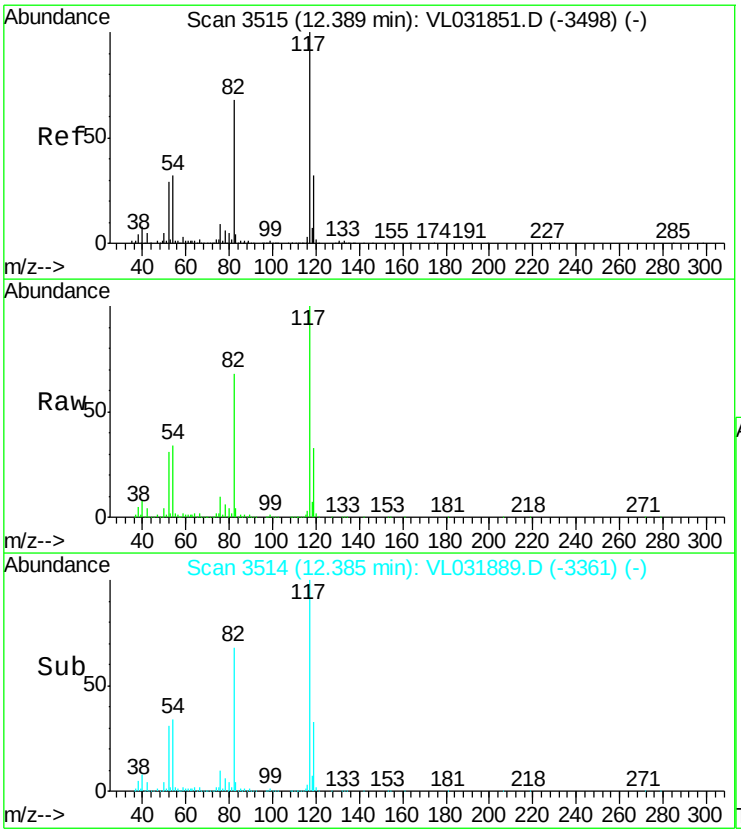
#39
1,2-Dichloropropane
Concen: 8.20 ppbv
RT: 7.42 min Scan# 1970
Delta R.T. -0.46 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion: 63 Resp: 679366

Ion	Ratio	Lower	Upper
63	100		
41	0.1	65.8	98.6#
62	16.7	55.0	82.6#

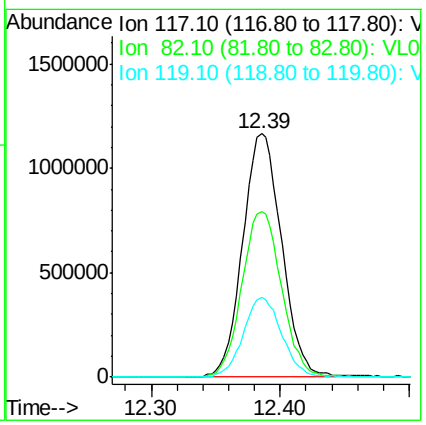


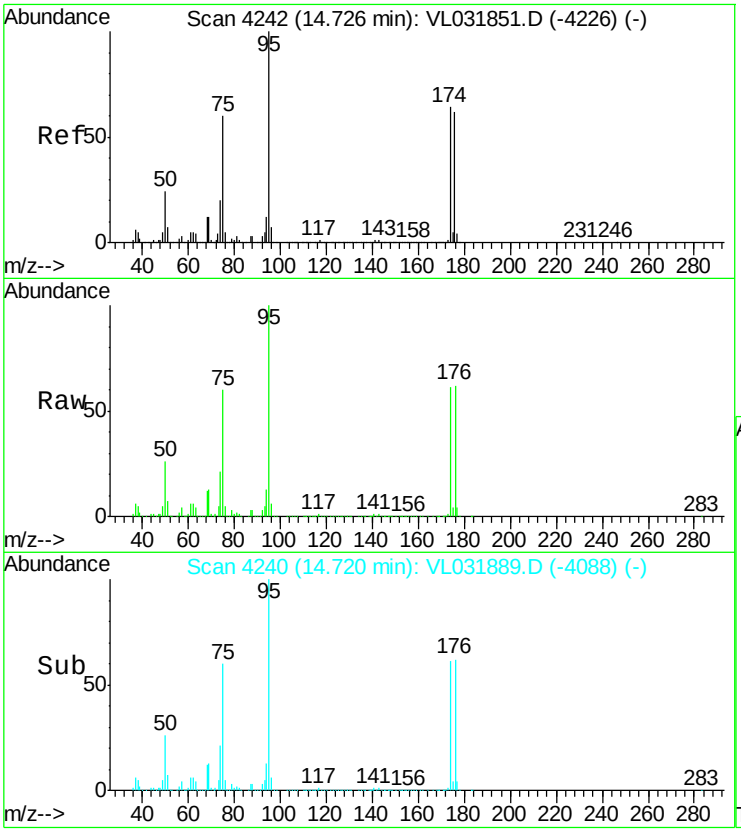


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion:117 Resp: 2453616

Ion	Ratio	Lower	Upper
117	100		
82	69.5	54.6	81.8
119	32.7	26.0	39.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.18 ppbv
RT: 14.72 min Scan# 4240
Delta R.T. -0.01 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tgt Ion: 95 Resp: 2007796

Ion	Ratio	Lower	Upper
95	100		
174	64.3	52.3	78.5
175	4.5	3.9	5.9