Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026228.D
Acq On : 21 Oct 2015 5:37
Operator : SY/MD
Sample : G4112-03 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Quant Time: Oct 21 05:34:13 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.63	49	511525	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	8.29	114	1497102	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.71	117	1770875	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	1405786	10.29	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.62	85	8692	0.08	ppbv		93
3) Chlorodifluoromethane	3.56	51	49196	0.76	ppbv		96
4) Chloromethane	3.74	50	2020	0.06	ppbv		99
8) Dichlorotetrafluoroethane	3.62	85	8692	0.10	ppbv	#	13
9) Propene	3.60	41	5784	0.19	ppbv	#	77
10) Heptane	9.32	43	2413	0.02	ppbv		86
11) Trichlorofluoromethane	4.68	101	6113	0.06	ppbv	#	79
13) Ethanol	4.34	45	17820	3.92	ppbv		95
15) Acetone	4.60	43	63506	0.84	ppbv	#	79
16) 1,3-Butadiene	3.92	39	3368	0.10	ppbv	#	7
19) Isopropyl Alcohol	4.79	45	6447	0.22	ppbv	#	27
20) Methylene Chloride	5.14	84	12736	0.42	ppbv		94
25) Ethyl Acetate	6.63	43	2929	0.02	ppbv	#	75
26) Hexane	6.63	57	3437	0.05	ppbv		91
36) Benzene	7.99	78	5527	0.04	ppbv	#	95
38) Trichloroethene	9.04	130	7648	0.10	ppbv		96
50) 4-Methyl-2-Pentanone	10.12	43	2910	0.03	ppbv	#	58
52) Tetrachloroethene	12.76	164	925756	10.59	ppbv		98
53) Toluene	11.21	91	31025	0.15	ppbv		99
59) m/p-Xylene	14.65	91	11342	0.05	ppbv		97
60) o-Xylene	15.45	91	5772	0.02	ppbv		87
74) 1,2,4-Trimethylbenzene	18.78	105	13369	0.05	ppbv	#	68

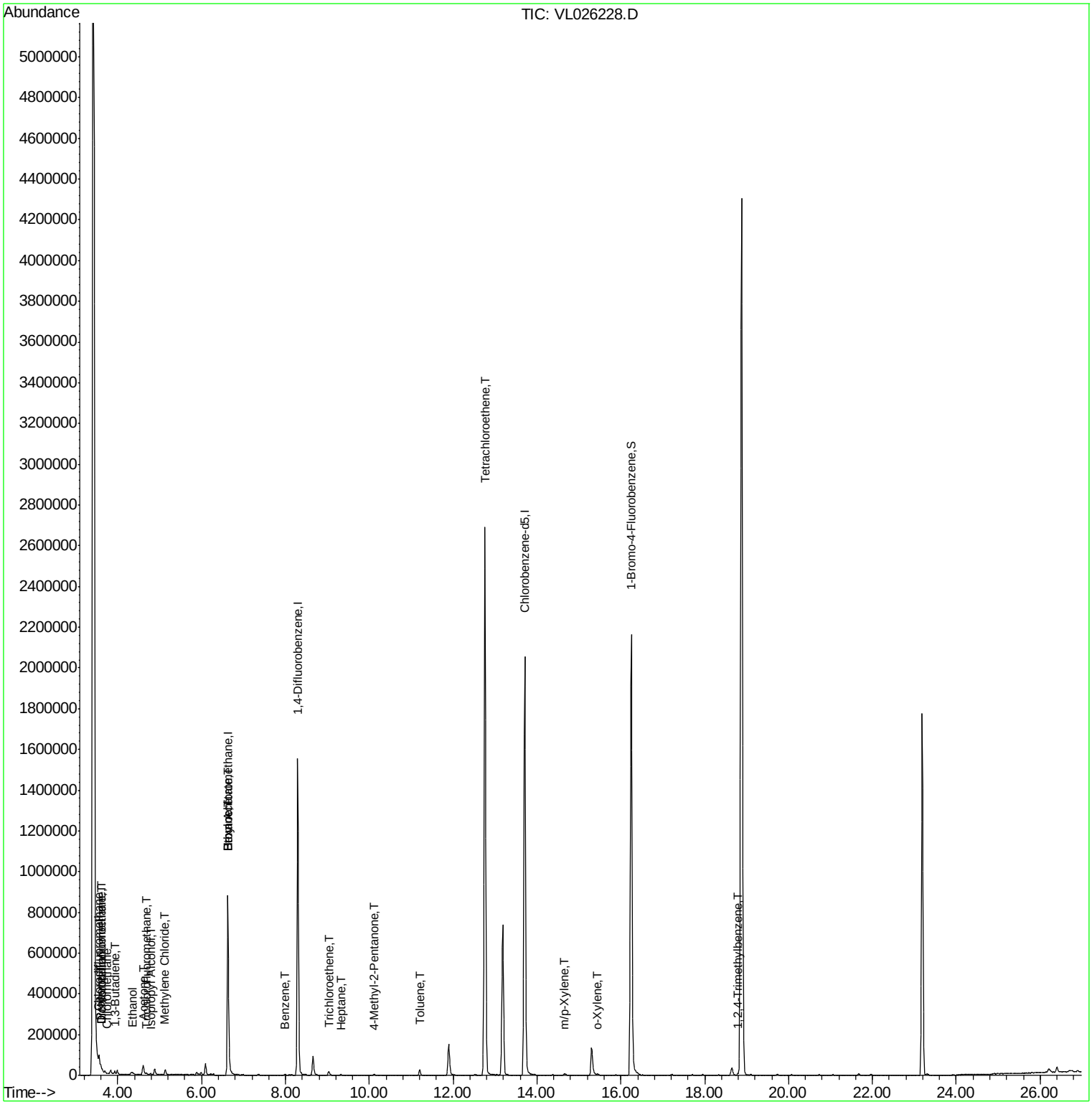
(#) = qualifier out of range (m) = manual integration (+) = signals summed

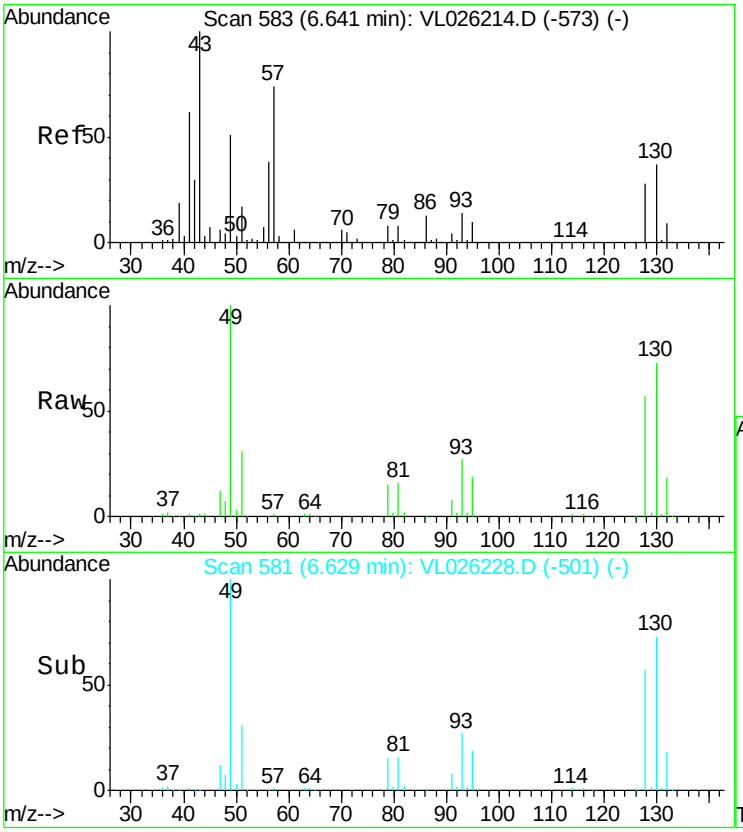
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026228.D
Acq On : 21 Oct 2015 5:37
Operator : SY/MD
Sample : G4112-03 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Quant Time: Oct 21 05:34:13 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration



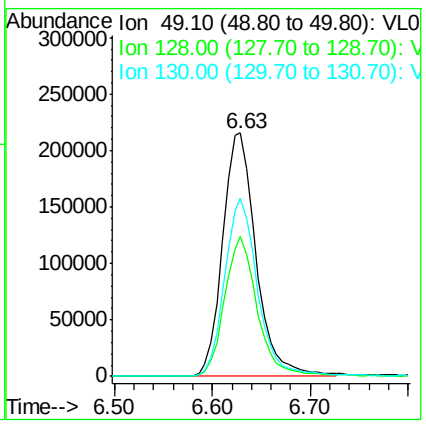


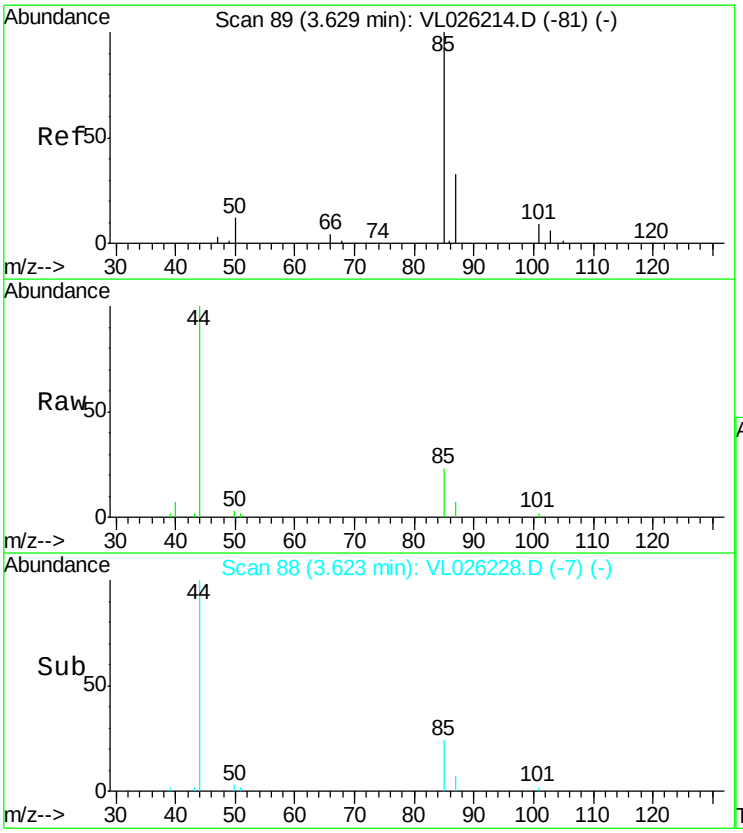
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-239DL

Tgt Ion: 49 Resp: 511525

Ion	Ratio	Lower	Upper
49	100		
128	56.8	28.2	84.7
130	73.8	36.0	108.1

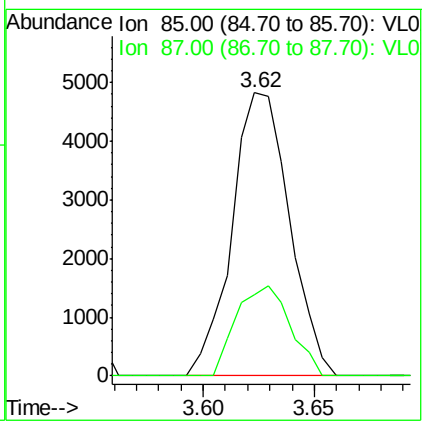


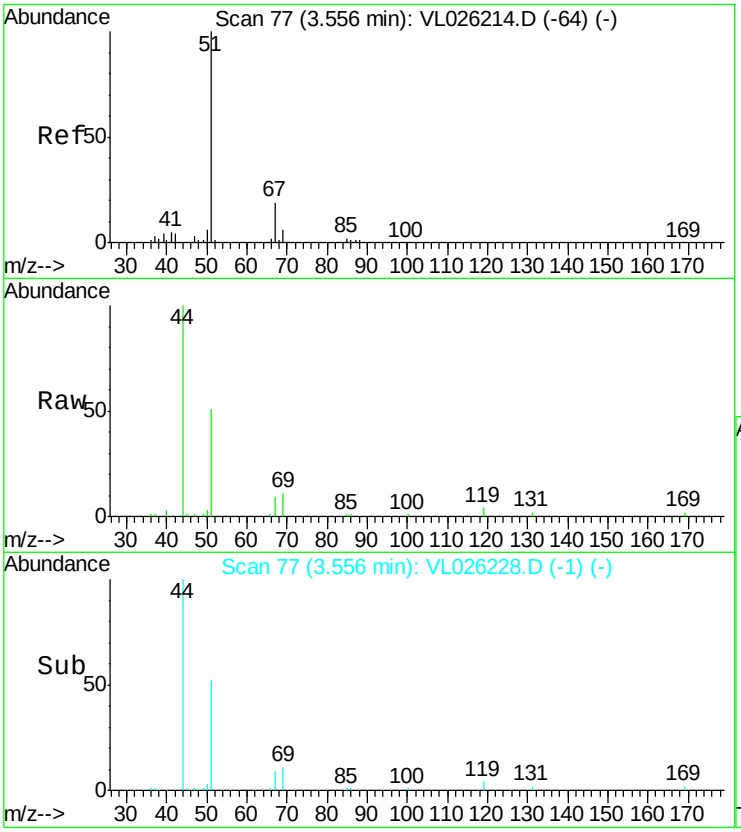


#2
Dichlorodifluoromethane
Concen: 0.08 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 85 Resp: 8692

Ion	Ratio	Lower	Upper
85	100		
87	28.5	26.1	39.1



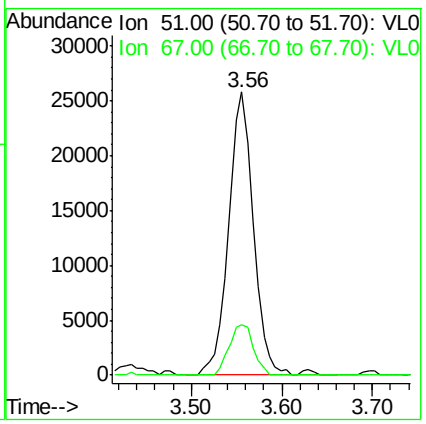


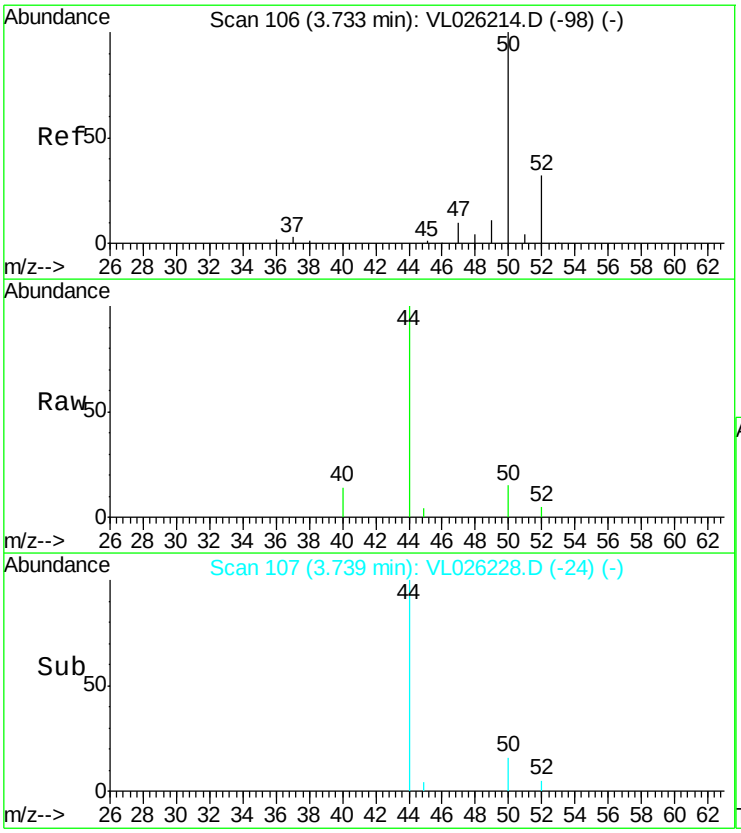
#3
Chlorodifluoromethane
Concen: 0.76 ppbv
RT: 3.56 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 51 Resp: 49196

Ion	Ratio	Lower	Upper
51	100		
67	17.2	15.3	22.9

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-239DL

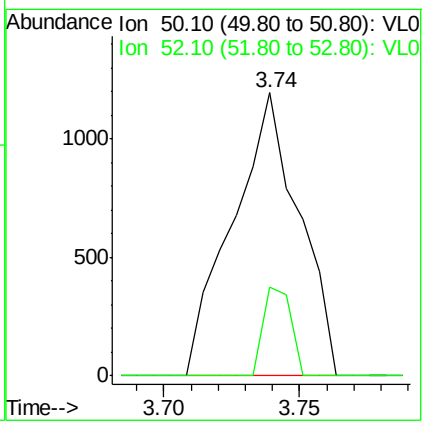


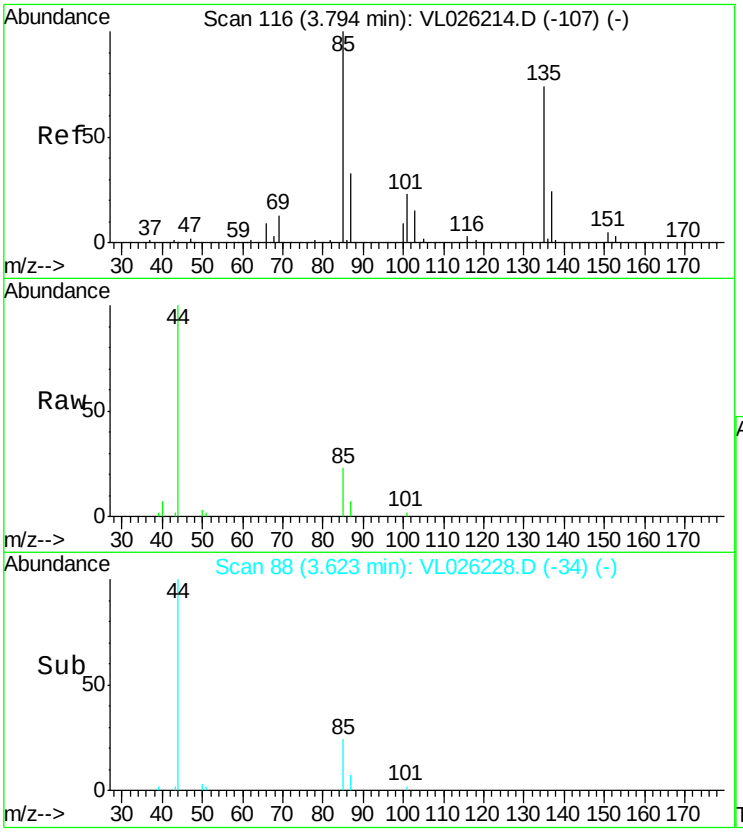


#4
Chloromethane
Concen: 0.06 ppbv
RT: 3.74 min Scan# 107
Delta R.T. 0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 50 Resp: 2020

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.8	38.6



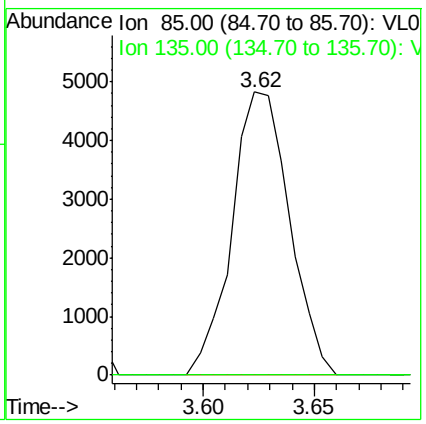


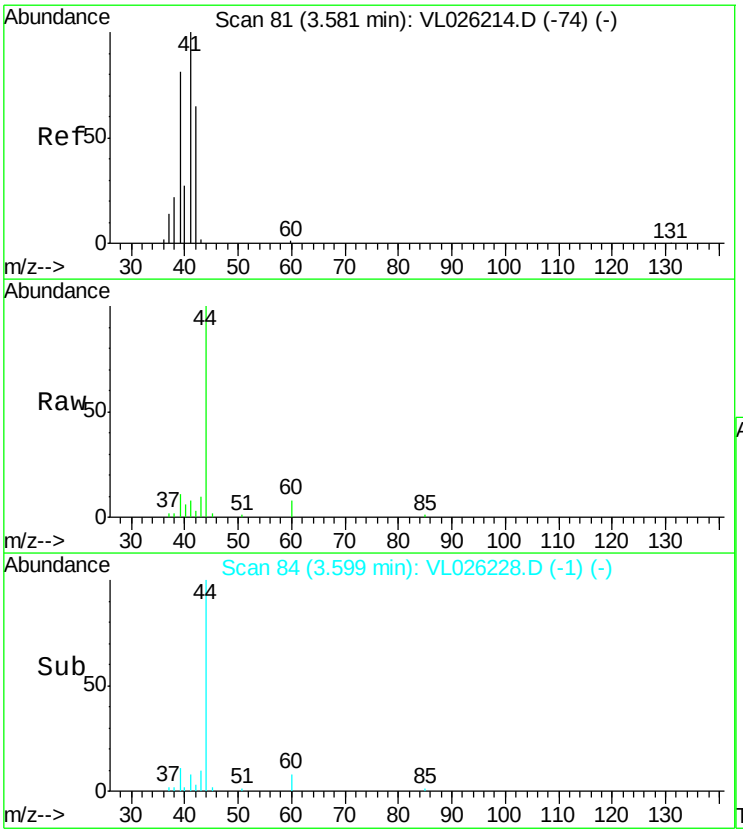
#8
Dichlorotetrafluoroethane
Concen: 0.10 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.17 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 85 Resp: 8692

Ion	Ratio	Lower	Upper
85	100		
135	0.0	57.8	86.8#

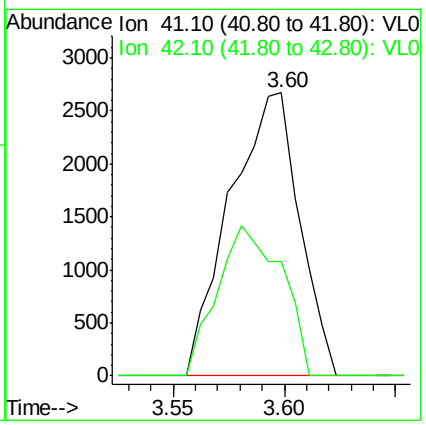


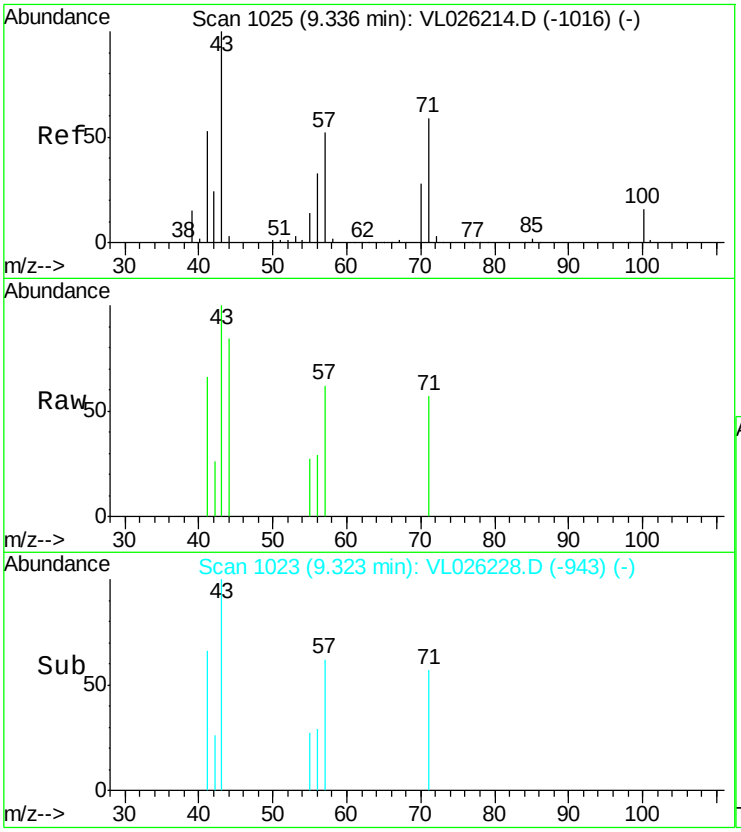


#9
Propene
Concen: 0.19 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 41 Resp: 5784

Ion	Ratio	Lower	Upper
41	100		
42	49.2	53.8	80.8#



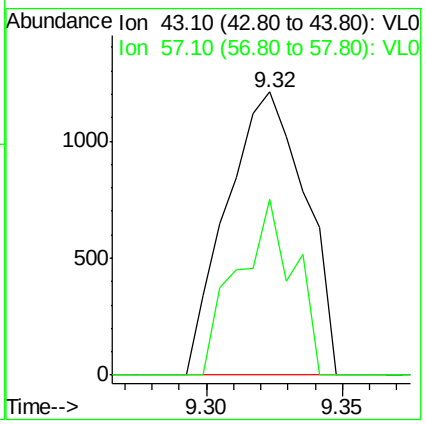


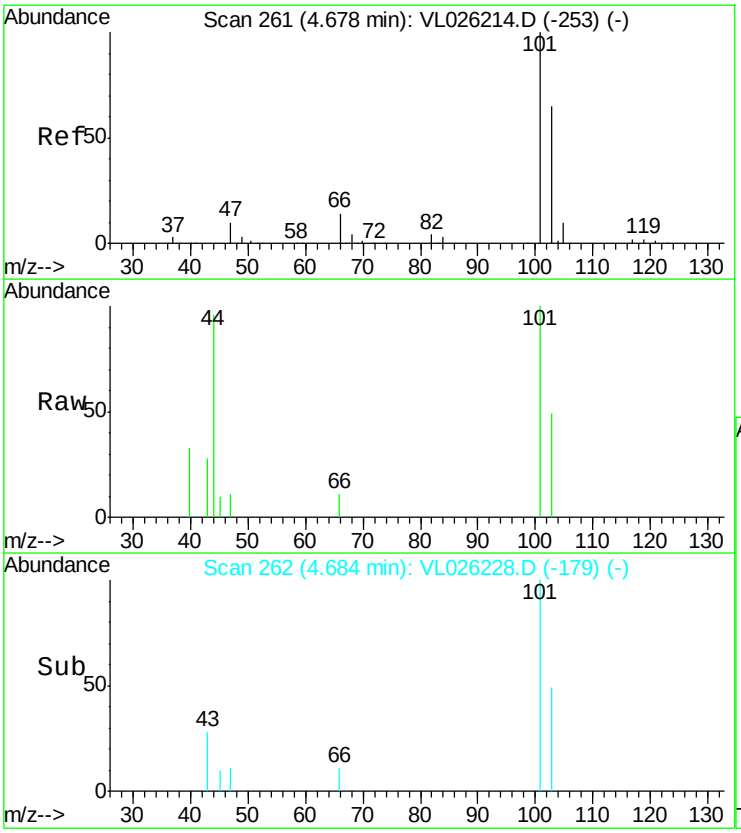
#10
Heptane
Concen: 0.02 ppbv
RT: 9.32 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 43 Resp: 2413

Ion	Ratio	Lower	Upper
43	100		
57	44.8	43.7	65.5

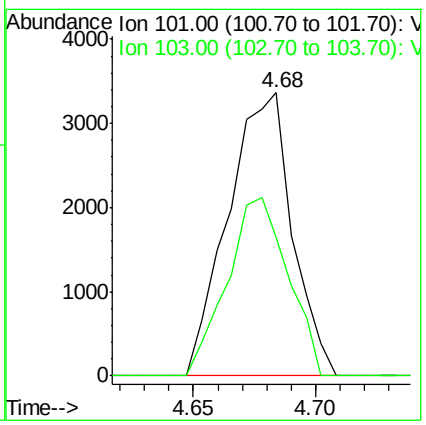


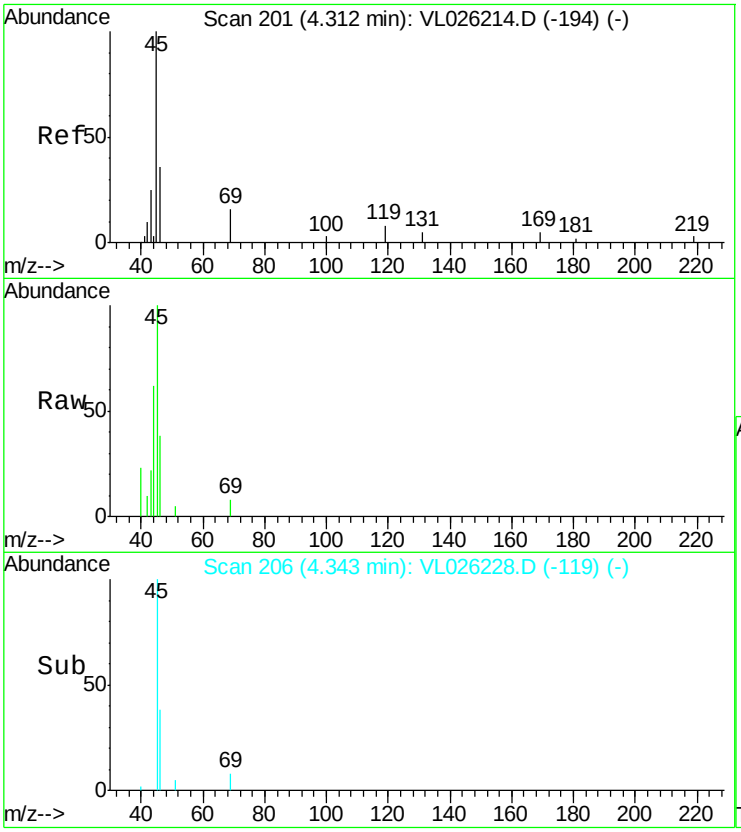


#11
Trichlorofluoromethane
Concen: 0.06 ppbv
RT: 4.68 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion:101 Resp: 6113

Ion	Ratio	Lower	Upper
101	100		
103	49.0	52.2	78.2#

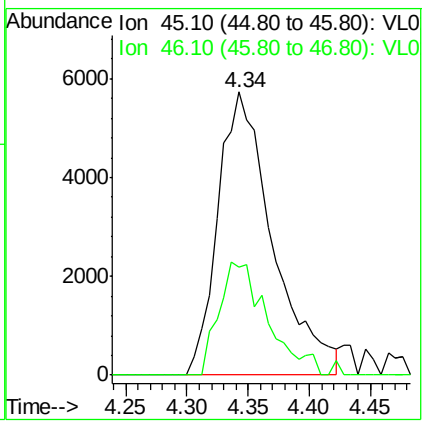




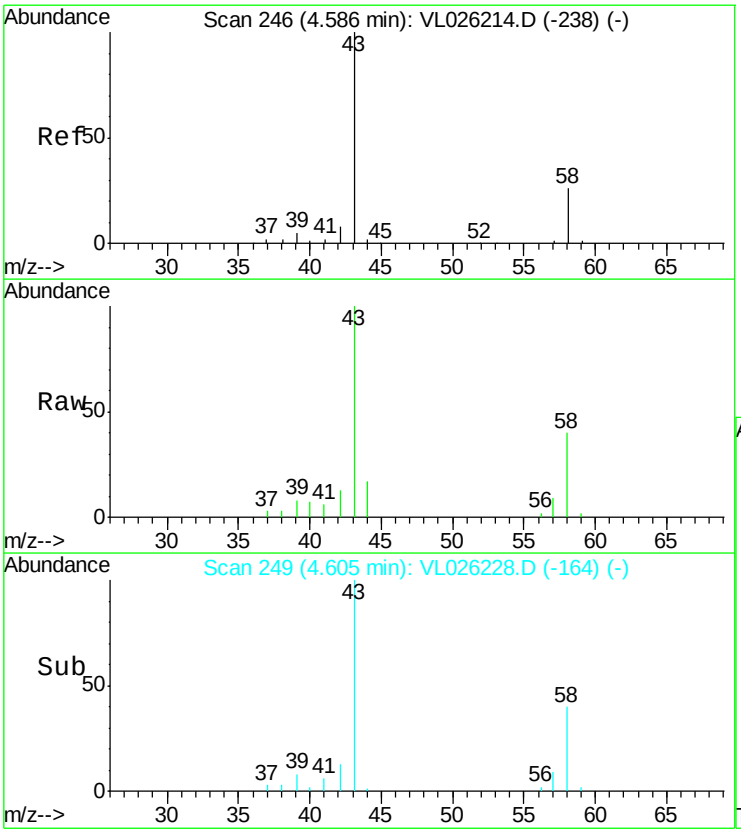
#13
Ethanol
Concen: 3.92 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 45 Resp: 17820

Ion	Ratio	Lower	Upper
45	100		
46	36.3	15.8	63.0



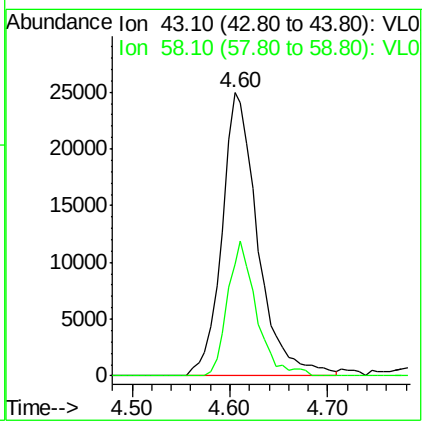
Instrument :
MSVOA_L
ClientSampleId :
INDOOR-239DL

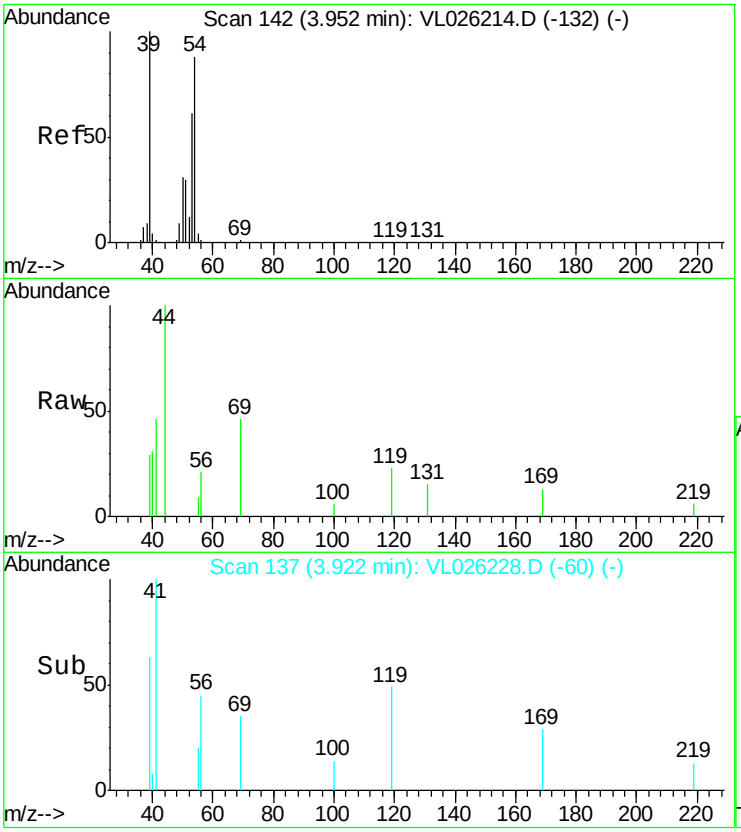


#15
Acetone
Concen: 0.84 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 43 Resp: 63506

Ion	Ratio	Lower	Upper
43	100		
58	38.1	21.8	32.6#



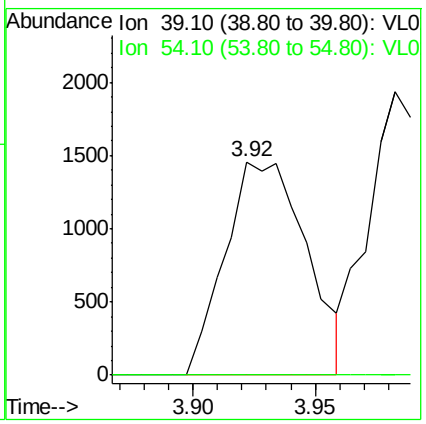


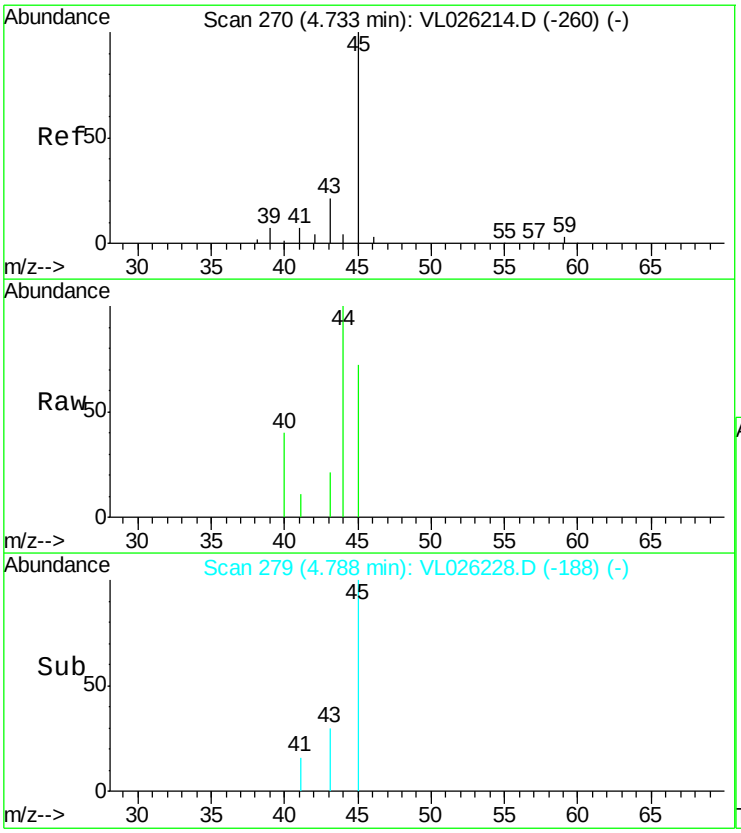
#16
1,3-Butadiene
Concen: 0.10 ppbv
RT: 3.92 min Scan# 137
Delta R.T. -0.03 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 39 Resp: 3368

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.3	100.9#

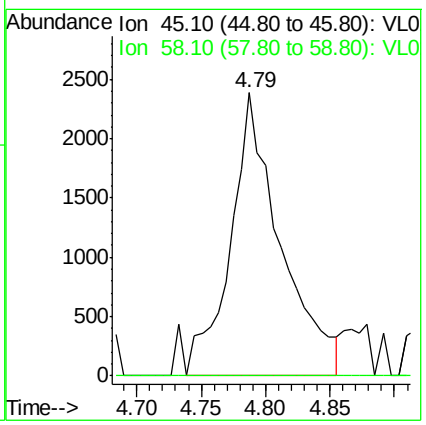


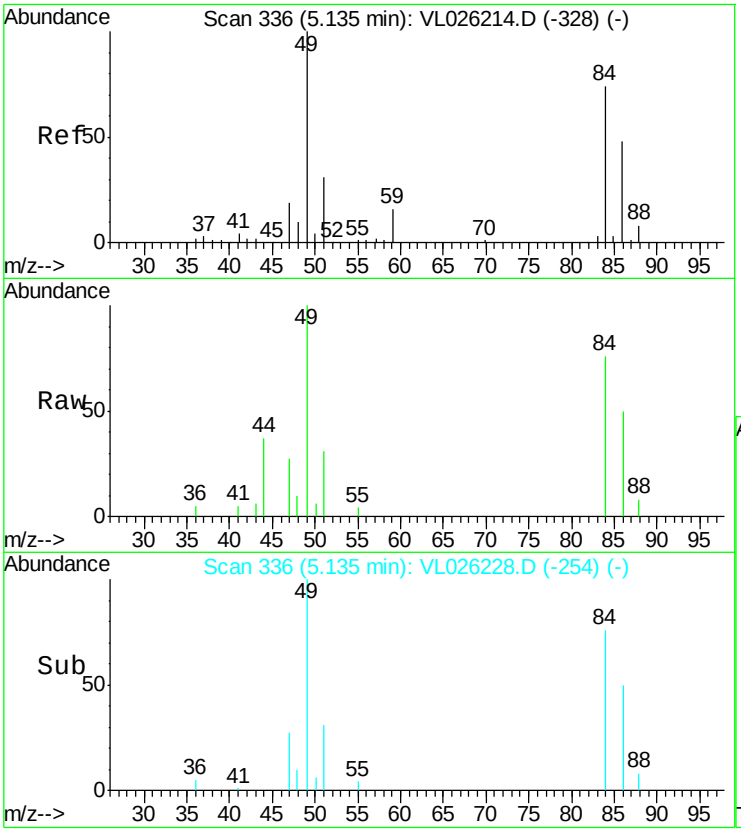


#19
Isopropyl Alcohol
Concen: 0.22 ppbv
RT: 4.79 min Scan# 279
Delta R.T. 0.05 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 45 Resp: 6447

Ion	Ratio	Lower	Upper
45	100		
58	0.0	40.3	60.5#



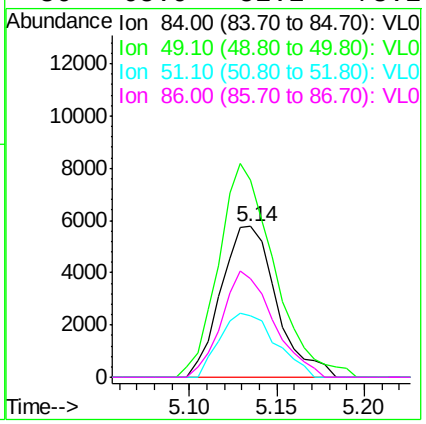


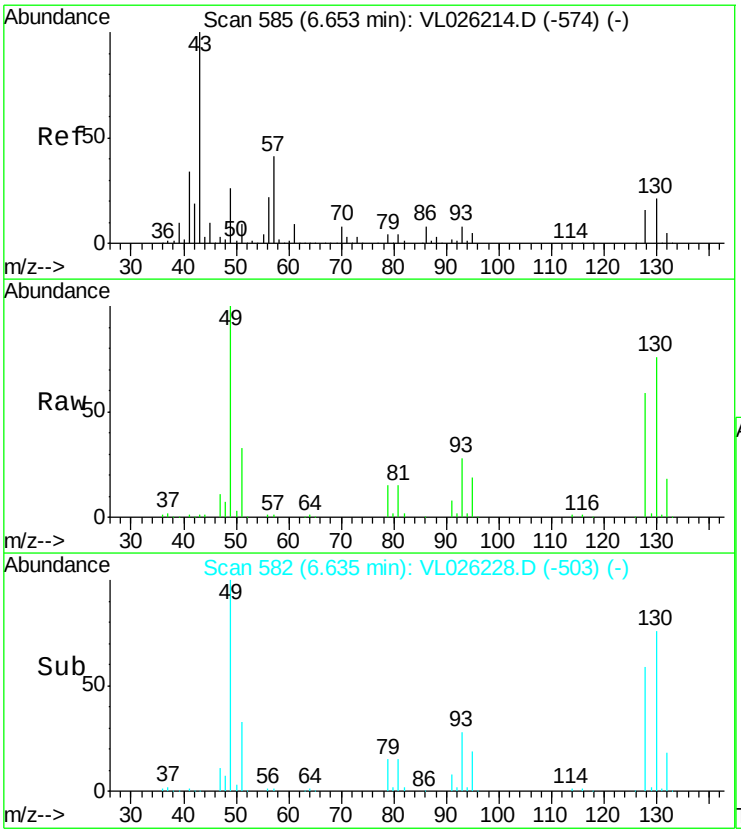
#20
Methylene Chloride
Concen: 0.42 ppbv
RT: 5.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 84 Resp: 12736

Ion	Ratio	Lower	Upper
84	100		
49	124.4	108.7	163.1
51	40.6	33.7	50.5
86	65.9	52.2	78.2

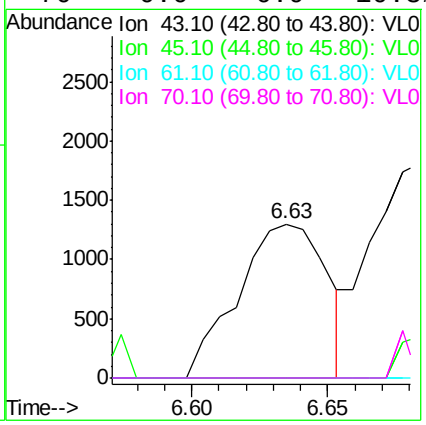


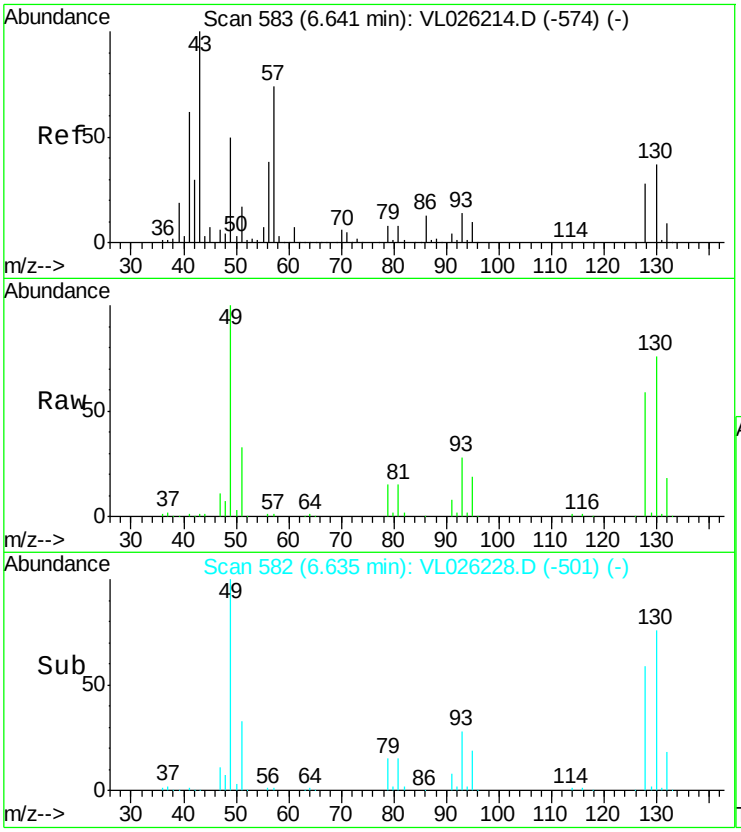


#25
Ethyl Acetate
Concen: 0.02 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 43 Resp: 2929

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.7	11.5#
61	0.0	7.5	11.3#
70	0.0	6.9	10.3#



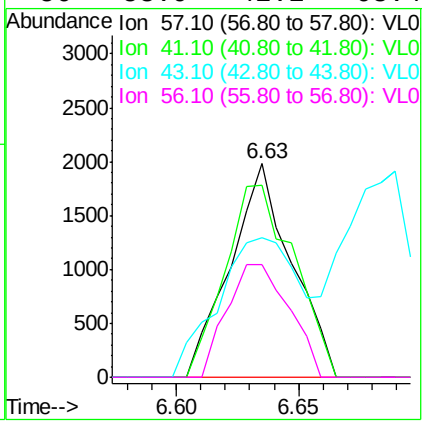


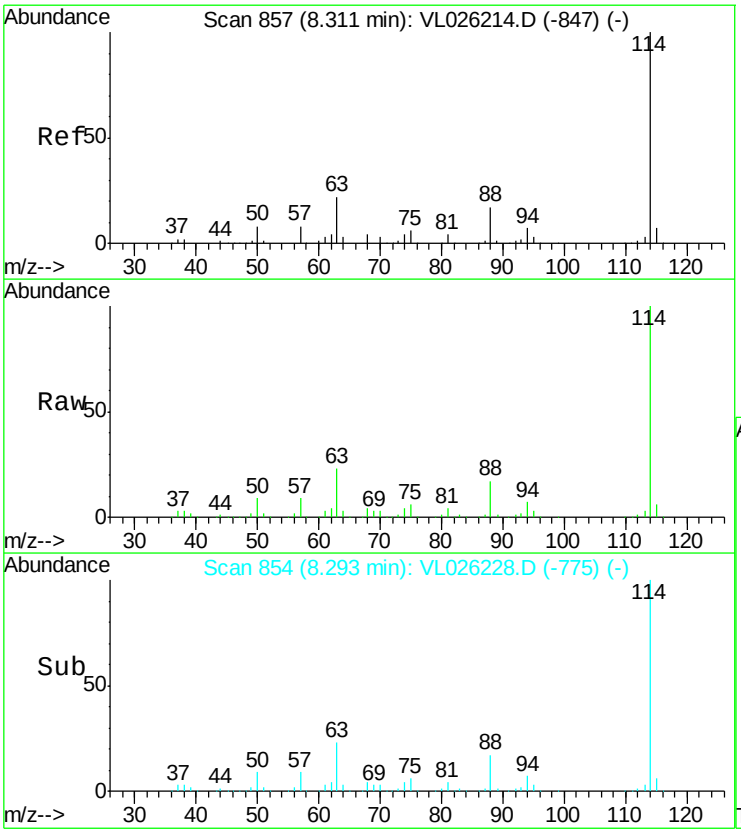
#26
Hexane
Concen: 0.05 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-239DL

Tgt Ion: 57 Resp: 3437

Ion	Ratio	Lower	Upper
57	100		
41	101.8	68.1	102.1
43	214.1	163.4	245.2
56	53.9	42.2	63.4

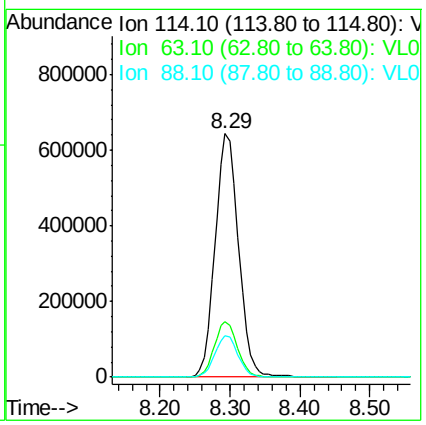


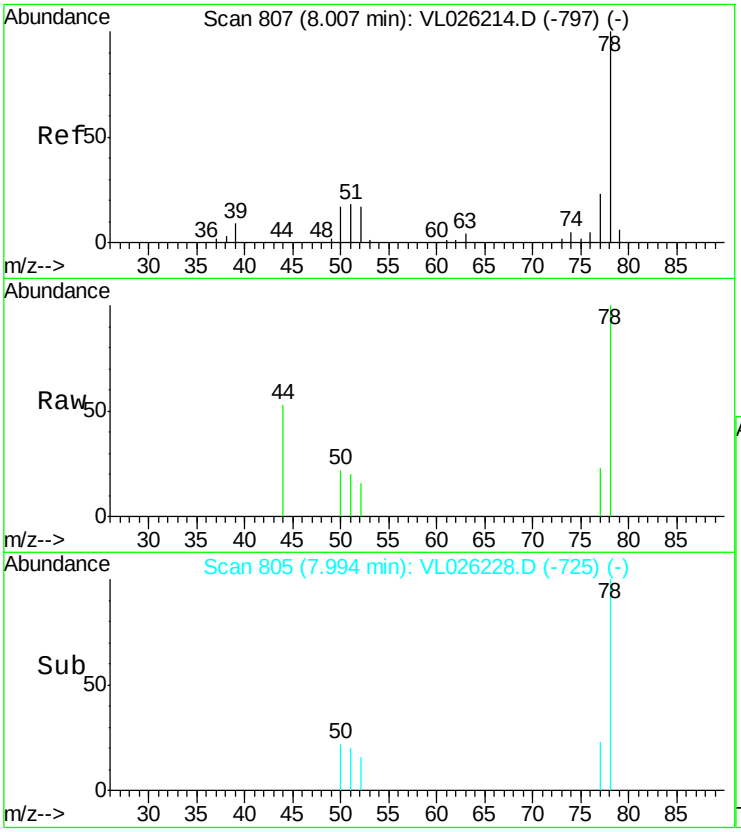


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion:114 Resp: 1497102

Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.2	27.4
88	16.9	13.5	20.3



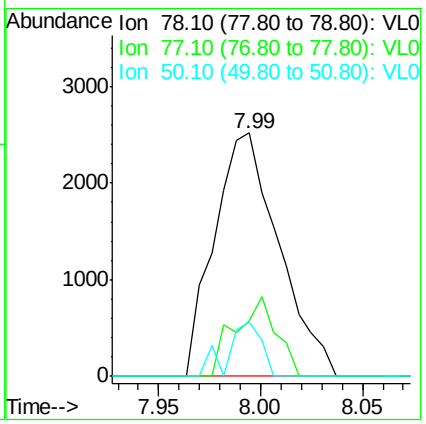


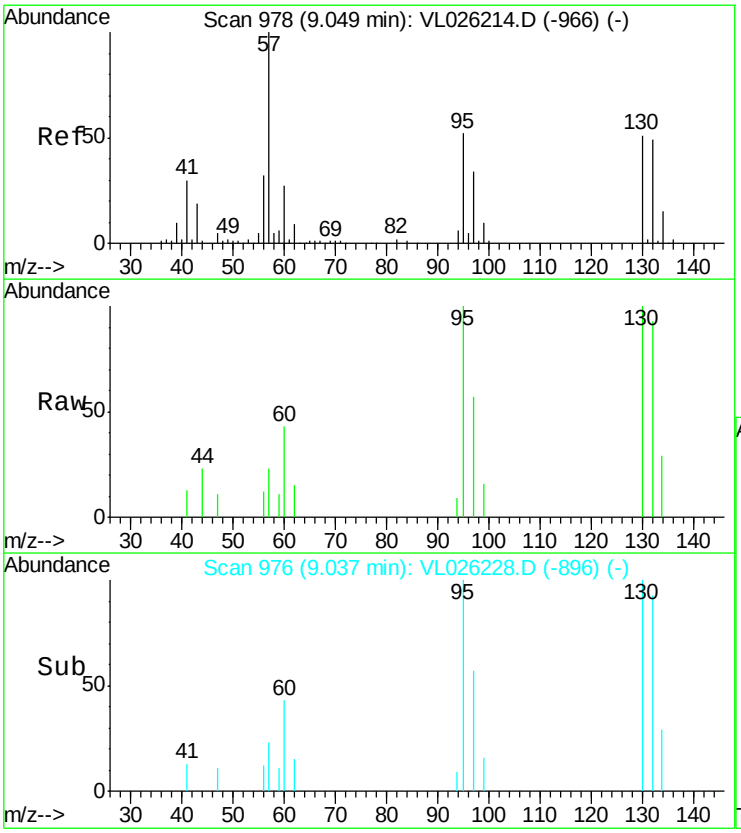
#36
Benzene
Concen: 0.04 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-239DL

Tgt Ion: 78 Resp: 5527

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.1	27.1
50	22.3	13.8	20.8#

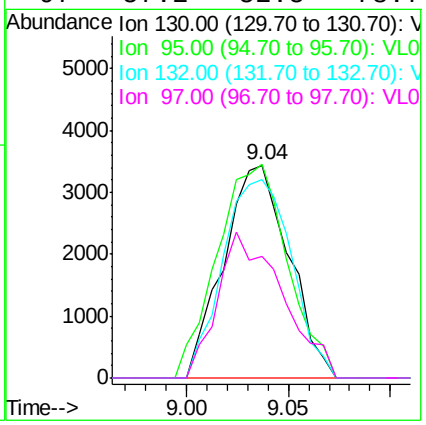


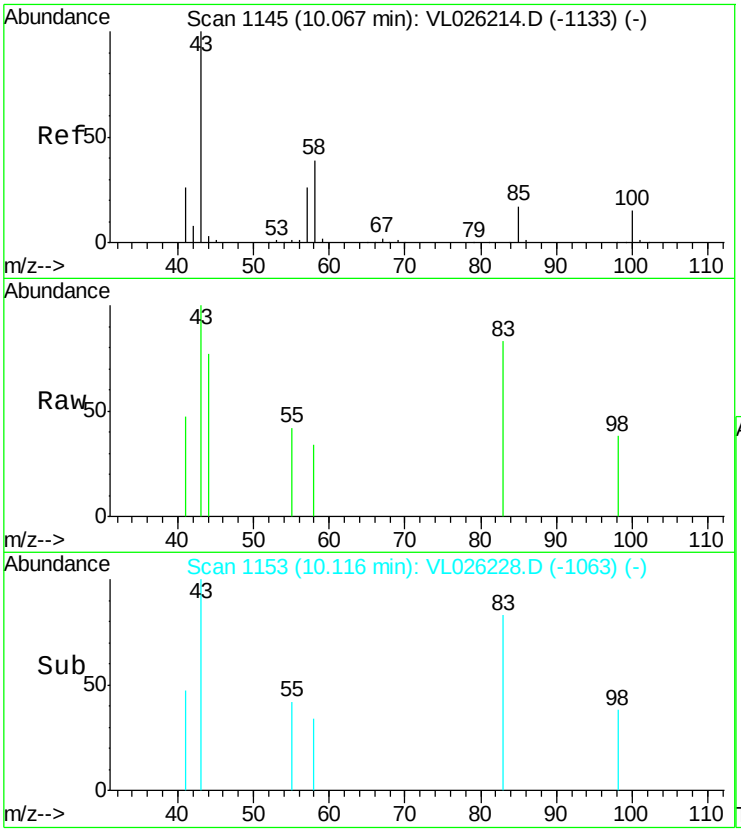


#38
Trichloroethene
Concen: 0.10 ppbv
RT: 9.04 min Scan# 976
Delta R.T. -0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion:130 Resp: 7648

Ion	Ratio	Lower	Upper
130	100		
95	100.3	81.0	121.4
132	93.2	76.5	114.7
97	57.2	52.5	78.7



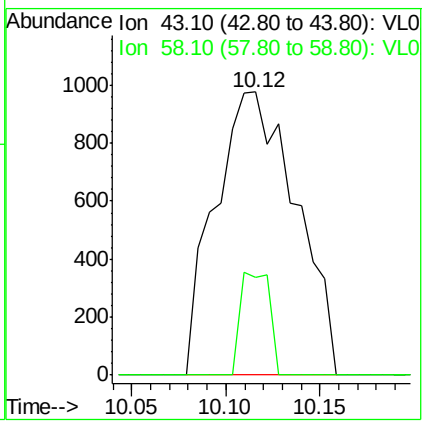


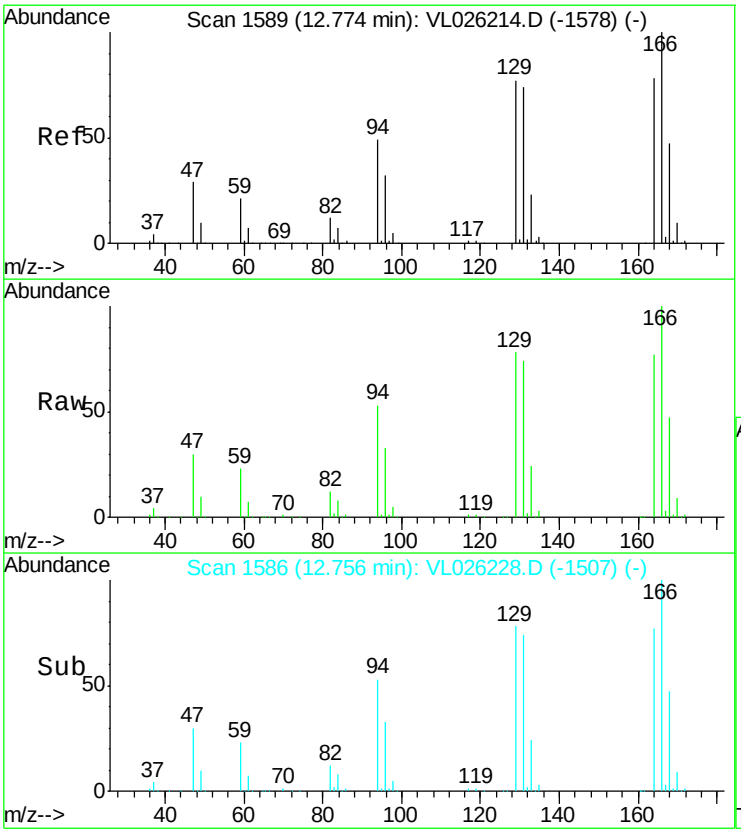
#50
4-Methyl-2-Pentanone
Concen: 0.03 ppbv
RT: 10.12 min Scan# 1153
Delta R.T. 0.05 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 43 Resp: 2910

Ion	Ratio	Lower	Upper
43	100		
58	13.0	31.1	46.7#

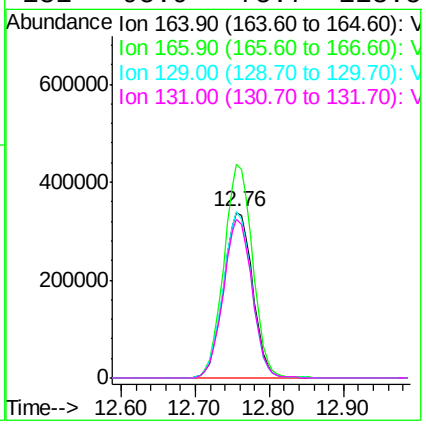


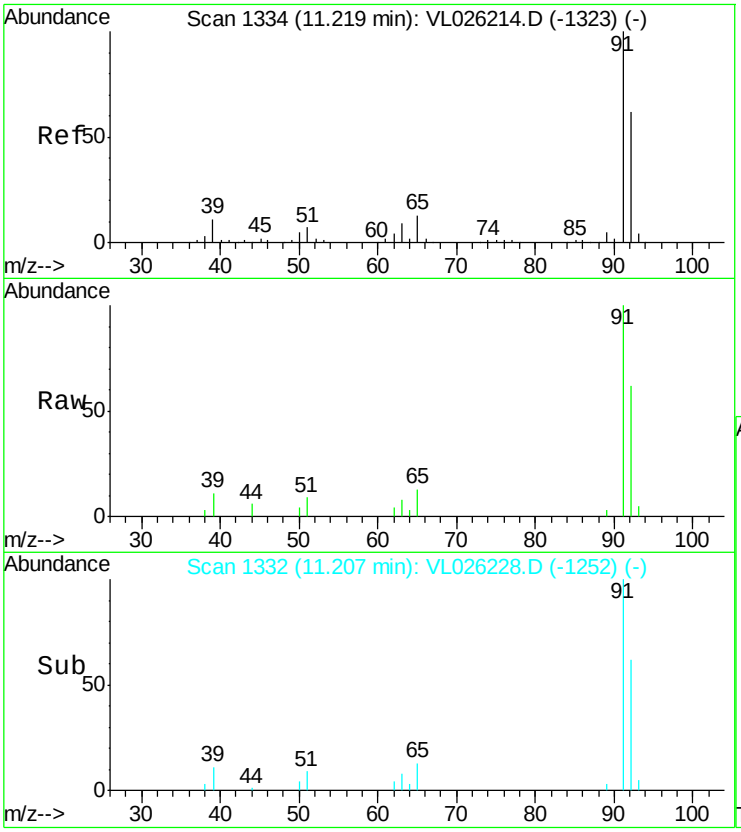


#52
Tetrachloroethene
Concen: 10.59 ppbv
RT: 12.76 min Scan# 1586
Delta R.T. -0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion:164 Resp: 925756

Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.3	153.5
129	101.0	78.2	117.4
131	95.9	75.7	113.5



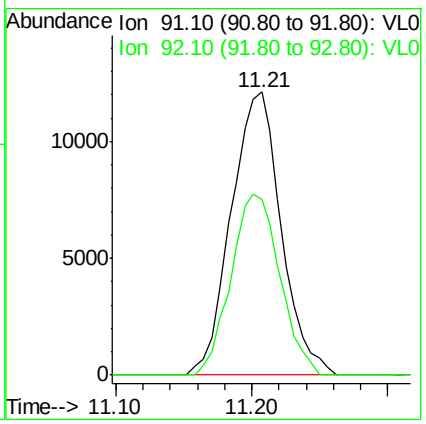


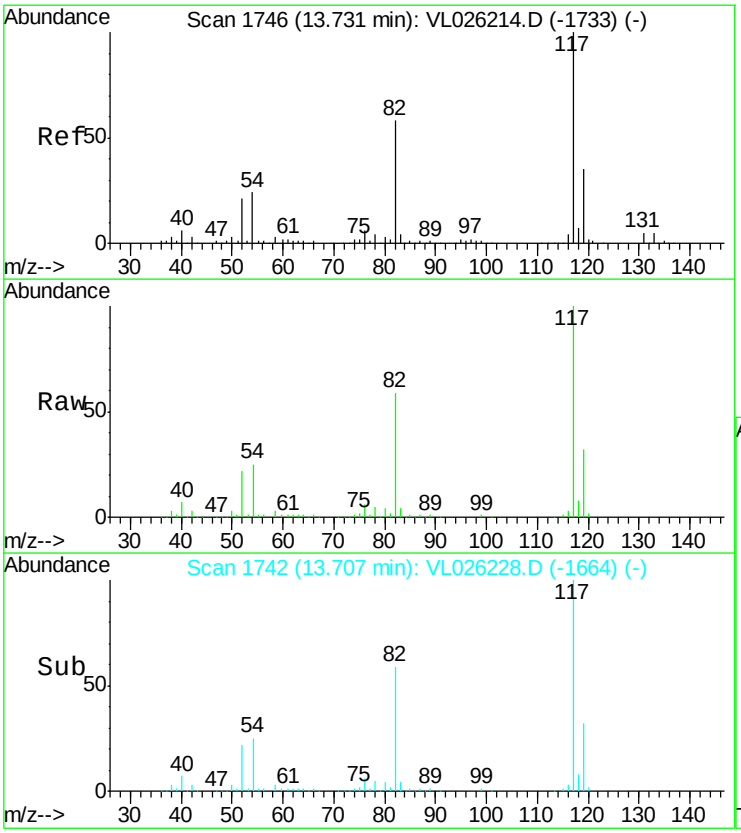
#53
Toluene
Concen: 0.15 ppbv
RT: 11.21 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 91 Resp: 31025

Ion	Ratio	Lower	Upper
91	100		
92	62.5	49.2	73.8

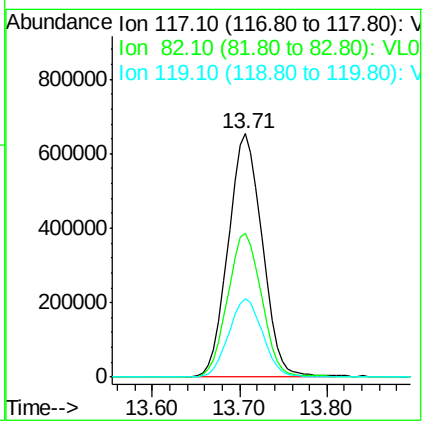


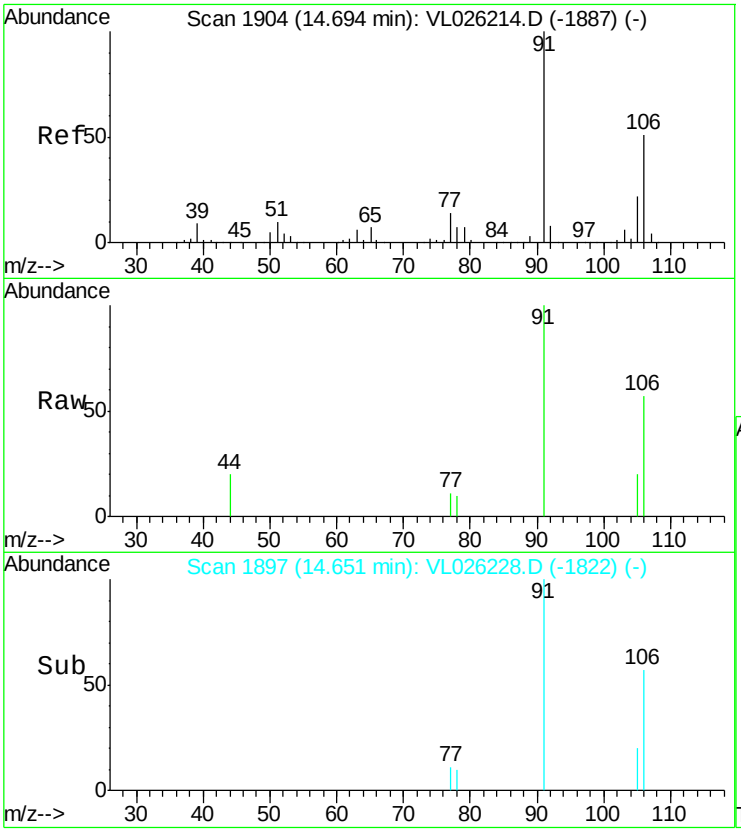


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1742
Delta R.T. -0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion:117 Resp: 1770875

Ion	Ratio	Lower	Upper
117	100		
82	60.2	45.8	68.8
119	32.6	45.0	67.4#



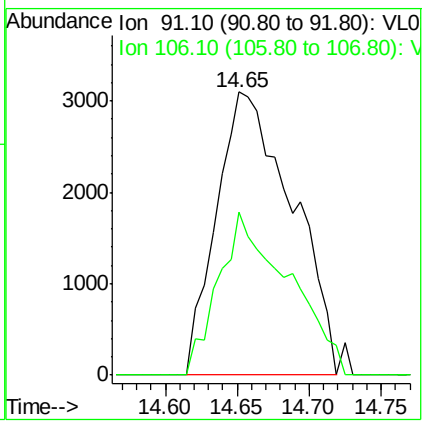


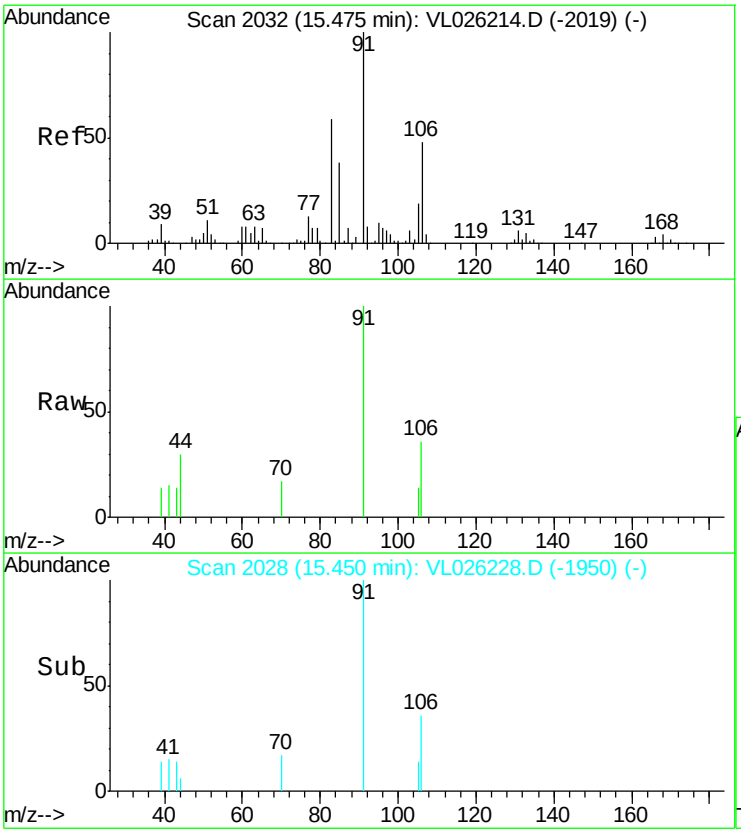
#59
m/p-Xylene
Concen: 0.05 ppbv
RT: 14.65 min Scan# 1897
Delta R.T. -0.04 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 91 Resp: 11342

Ion	Ratio	Lower	Upper
91	100		
106	53.1	40.6	61.0

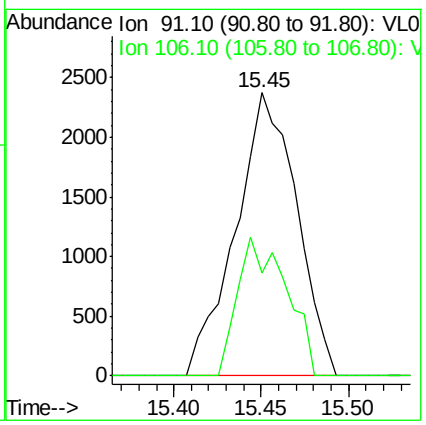


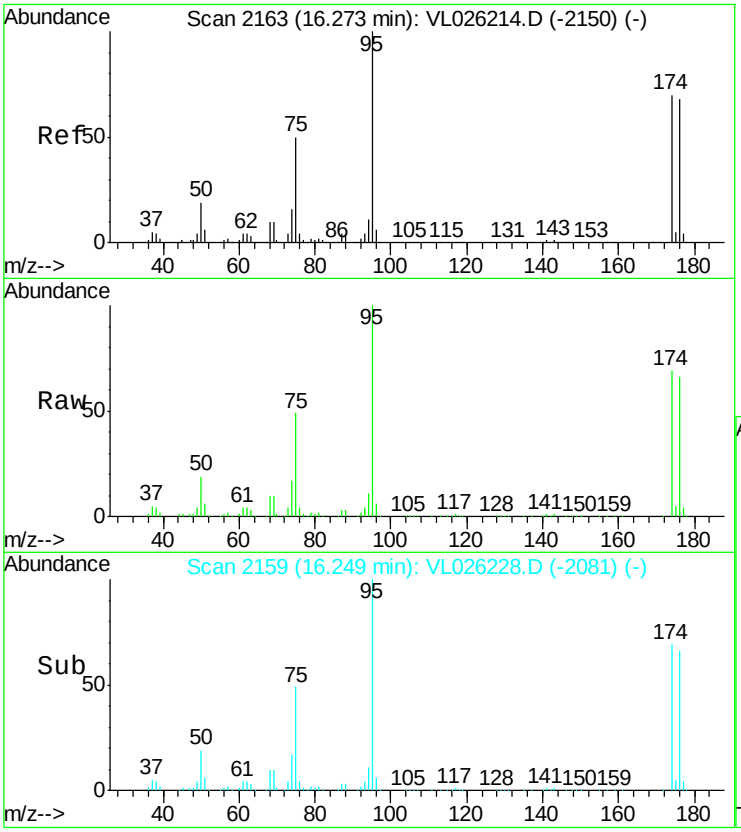


#60
o-Xylene
Concen: 0.02 ppbv
RT: 15.45 min Scan# 2028
Delta R.T. -0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion: 91 Resp: 5772

Ion	Ratio	Lower	Upper
91	100		
106	39.1	23.8	71.5



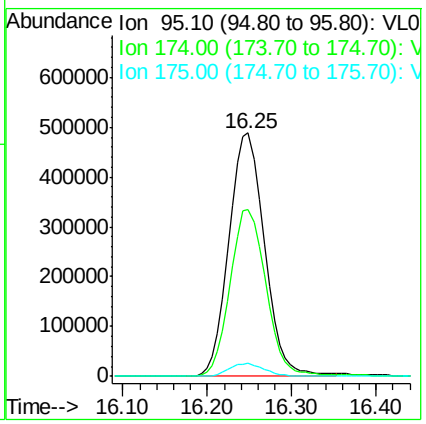


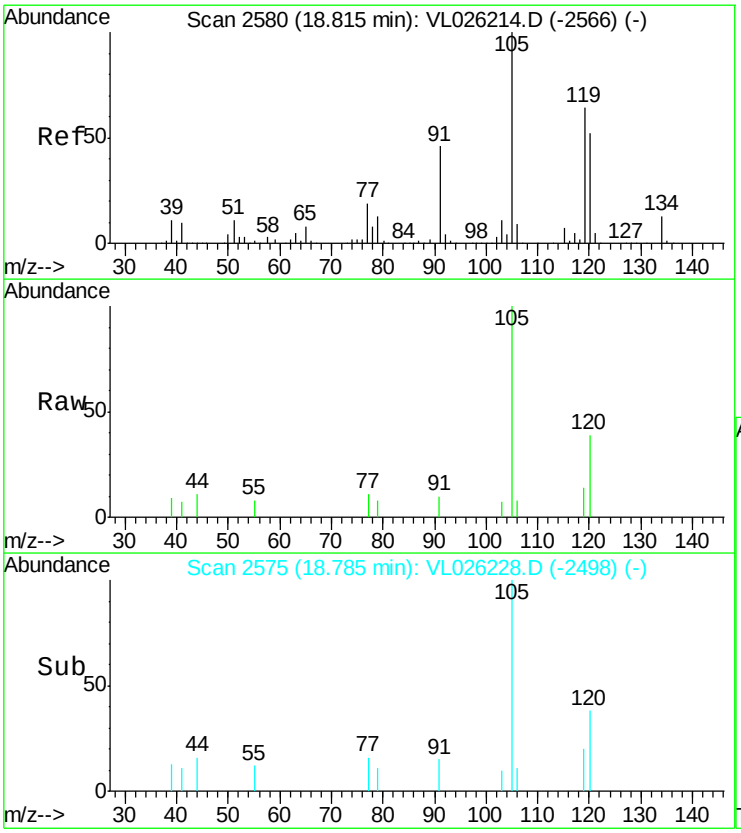
#68
1-Bromo-4-Fluorobenzene
Concen: 10.29 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument : MSVOA_L
ClientSampleId : INDOOR-239DL

Tgt Ion: 95 Resp: 1405786

Ion	Ratio	Lower	Upper
95	100		
174	69.8	55.8	83.8
175	5.3	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.05 ppbv
RT: 18.78 min Scan# 2575
Delta R.T. -0.03 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion:105 Resp: 13369

Ion	Ratio	Lower	Upper
105	100		
120	39.0	41.2	61.8#
91	10.2	37.2	55.8#
77	11.1	15.6	23.4#