Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032173.D
Acq On : 30 Jun 2018 16:29
Operator : SY/AP
Sample : J3601-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : RESIDENT-D-INDOOR

Quant Time: Jul 02 00:52:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.84	49	1398375	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.39	114	3109141	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.34	117	2881537	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.68	95	2292500	10.41	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.13	85	64253	0.349	ppbv		99
3) Chlorodifluoromethane	3.07	51	127121	0.744	ppbv	#	88
4) Chloromethane	3.23	50	67479	0.740	ppbv	#	86
9) Propene	3.30	41	284018	3.567	ppbv		94
10) Heptane	8.34	43	246950	1.064	ppbv		95
11) Trichlorofluoromethane	4.07	101	23442	0.118	ppbv		85
12) 1,1,2-Trichlorotrifluoroet	4.63	101	10606	0.080	ppbv		88
13) Ethanol	3.72	45	2182298	90.398	ppbv		97
15) Acetone	3.96	43	1936540	11.843	ppbv		96
16) 1,3-Butadiene	3.40	39	17334	0.222	ppbv	#	10
17) tert-Butyl alcohol	4.44	59	24109	0.232	ppbv	#	73
19) Isopropyl Alcohol	4.10	45	1066685	7.852	ppbv	#	42
20) Methylene Chloride	4.48	84	45394	0.760	ppbv		92
23) Vinyl Acetate	5.22	43	85165	0.287	ppbv	#	74
25) Ethyl Acetate	5.85	43	239182	0.707	ppbv		99
26) Hexane	5.86	57	142463	0.914	ppbv		83
27) Carbon Disulfide	4.69	76	7034	0.045	ppbv	#	1
29) Chloroform	5.93	83	17267	0.076	ppbv		85
30) Cyclohexane	7.34	84	9694	0.066	ppbv	#	1
34) 2-Butanone	5.41	43	101055	0.512	ppbv	#	70
35) Carbon Tetrachloride	7.23	117	12858	0.060	ppbv	#	79
36) Benzene	7.10	78	12299	0.041	ppbv		97
39) 1,2-Dichloropropane	7.38	63	803487	6.770	ppbv	#	26
41) Tetrahydrofuran	6.24	42	4256	0.036	ppbv	#	37
44) 2,2,4-Trimethylpentane	8.09	57	19236	0.037	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.98	43	41230	0.128	ppbv	#	38
52) Tetrachloroethene	11.48	164	14469	0.132	ppbv	#	81
53) Toluene	10.05	91	1000838	2.752	ppbv		99
58) Ethyl Benzene	12.97	91	214132	0.461	ppbv		90
59) m/p-Xylene	13.25	91	89796	0.241	ppbv	#	29
60) o-Xylene	13.95	91	158671	0.427	ppbv		95
61) Styrene	13.78	104	69476	0.228	ppbv		95
69) p-Isopropyltoluene	17.91	119	22628	0.038	ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.25	105	19002	0.042	ppbv		94
74) 1,2,4-Trimethylbenzene	17.02	105	112075	0.246	ppbv	#	76

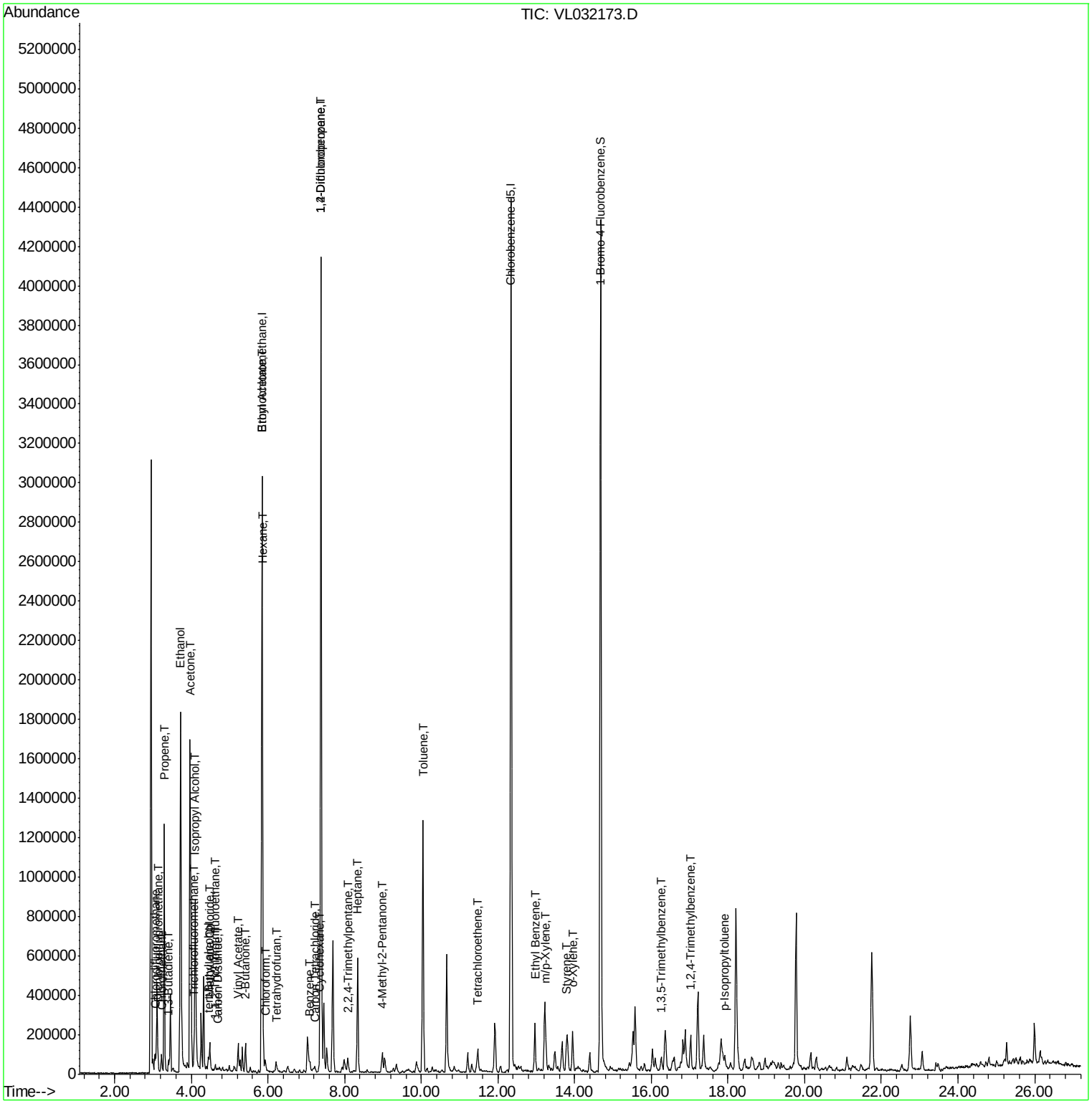
(#) = qualifier out of range (m) = manual integration (+) = signals summed

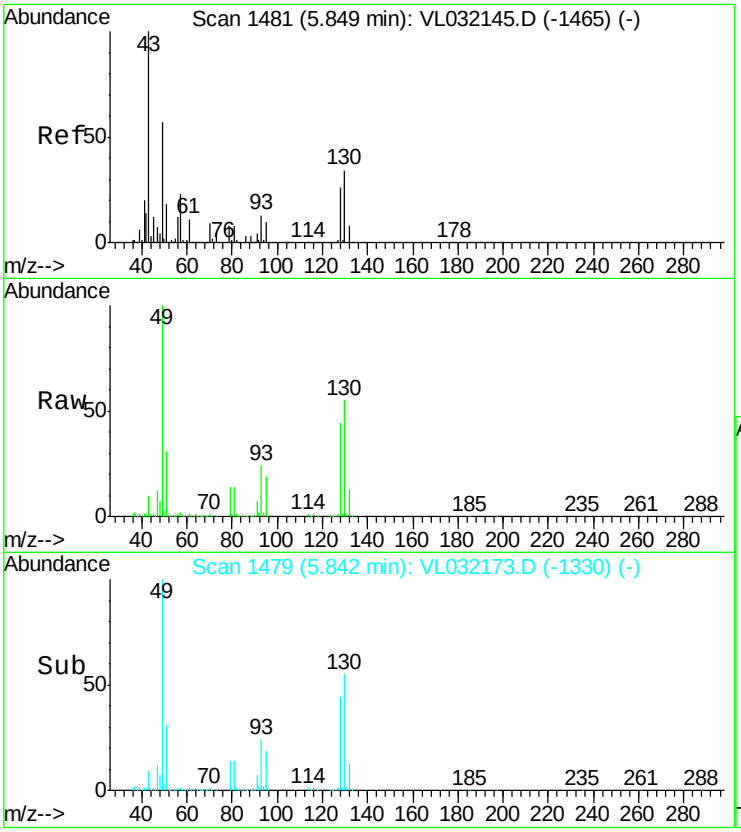
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032173.D
Acq On : 30 Jun 2018 16:29
Operator : SY/AP
Sample : J3601-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Quant Time: Jul 02 00:52:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration



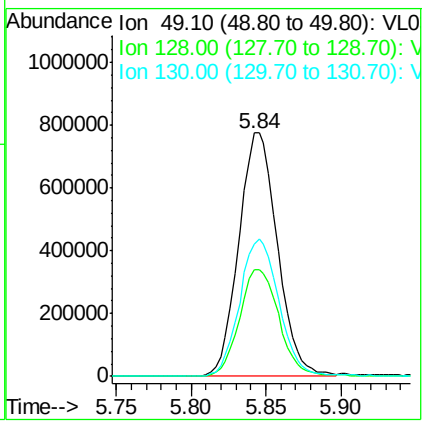


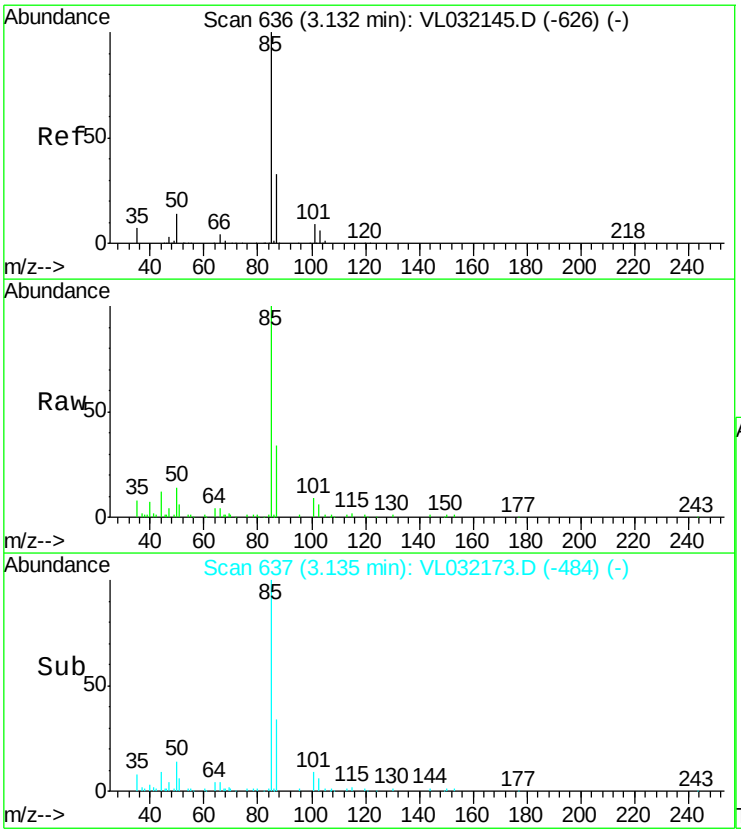
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 49 Resp: 1398375

Ion	Ratio	Lower	Upper
49	100		
128	44.8	23.4	70.0
130	58.1	30.3	90.9

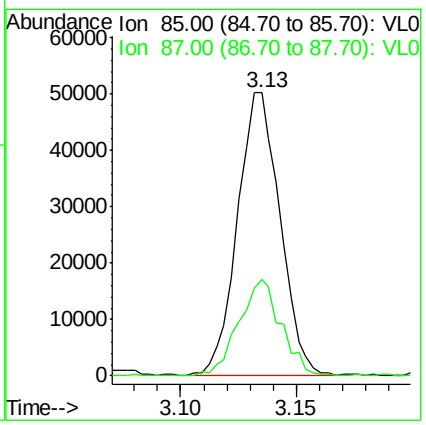


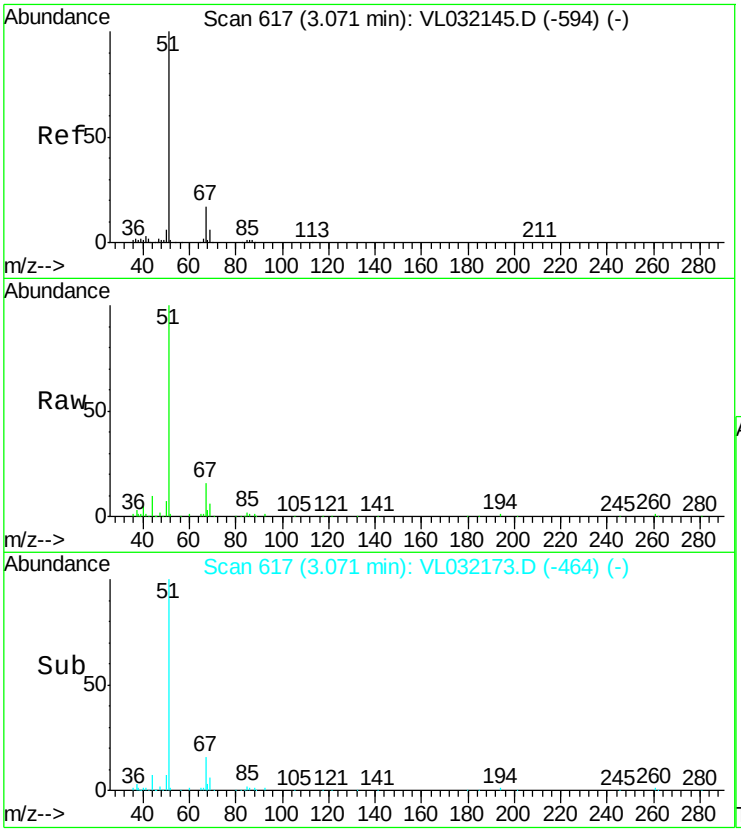


#2
Dichlorodifluoromethane
Concen: 0.349 ppbv
RT: 3.13 min Scan# 637
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 85 Resp: 64253

Ion	Ratio	Lower	Upper
85	100		
87	34.2	26.7	40.1



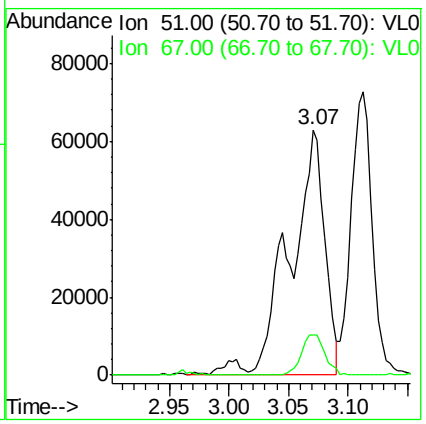


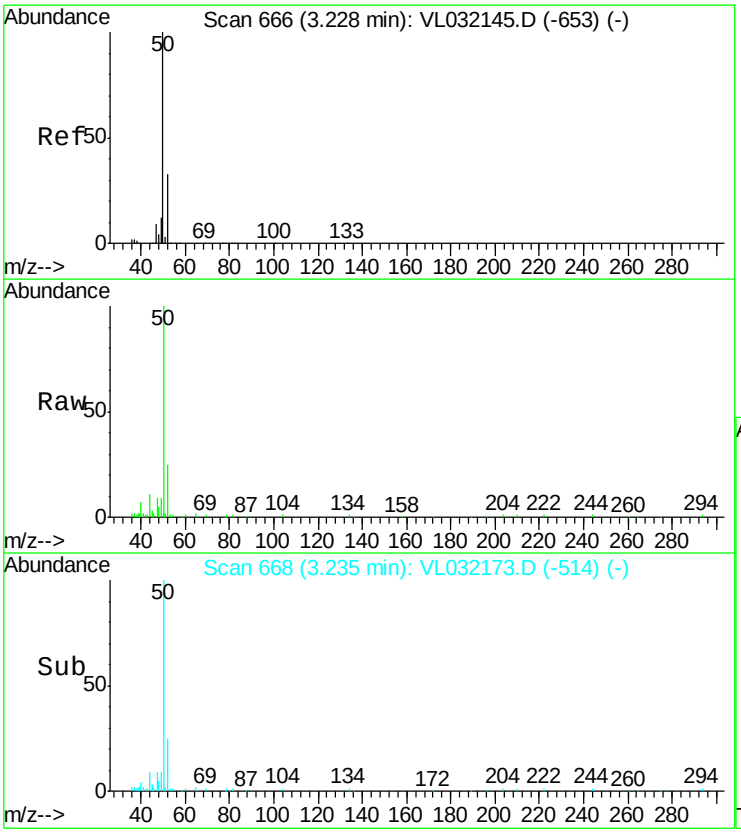
#3
Chlorodifluoromethane
Concen: 0.744 ppbv
RT: 3.07 min Scan# 617
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 51 Resp: 127121

Ion	Ratio	Lower	Upper
51	100		
67	11.2	13.2	19.8#

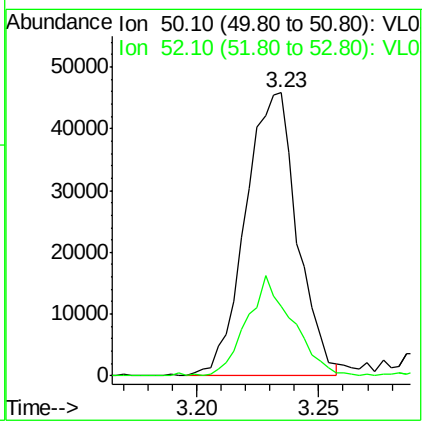


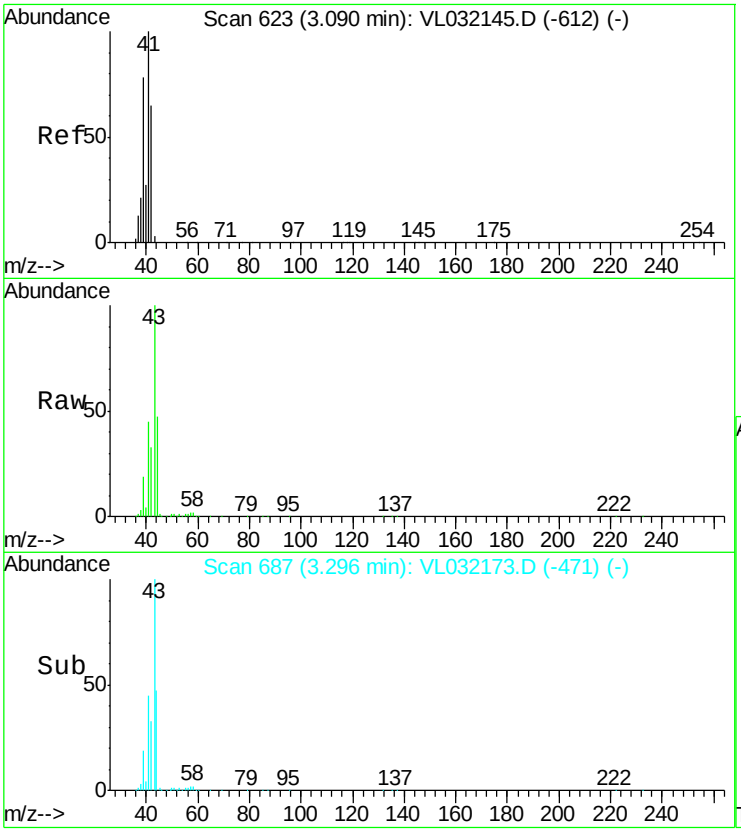


#4
Chloromethane
Concen: 0.740 ppbv
RT: 3.23 min Scan# 668
Delta R.T. -0.00 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 50 Resp: 67479

Ion	Ratio	Lower	Upper
50	100		
52	24.8	26.0	39.0#



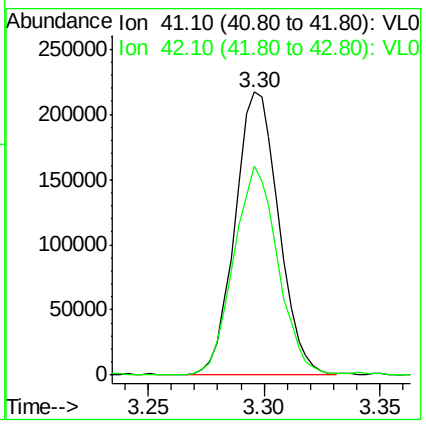


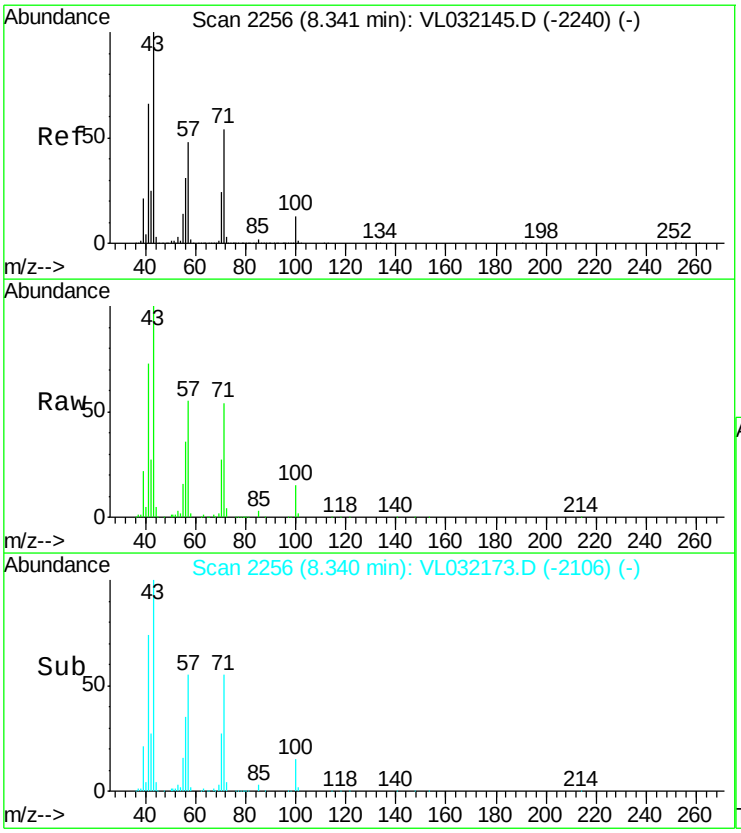
#9
Propene
Concen: 3.567 ppbv
RT: 3.30 min Scan# 687
Delta R.T. 0.20 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 41 Resp: 284018

Ion	Ratio	Lower	Upper
41	100		
42	74.9	56.2	84.4

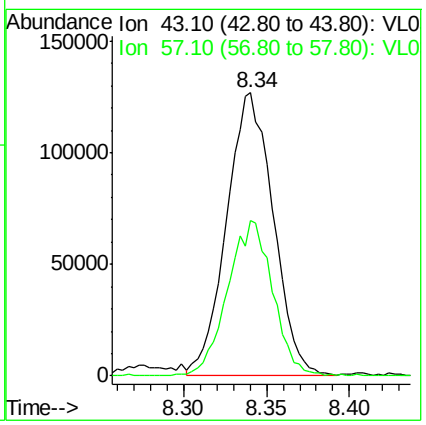


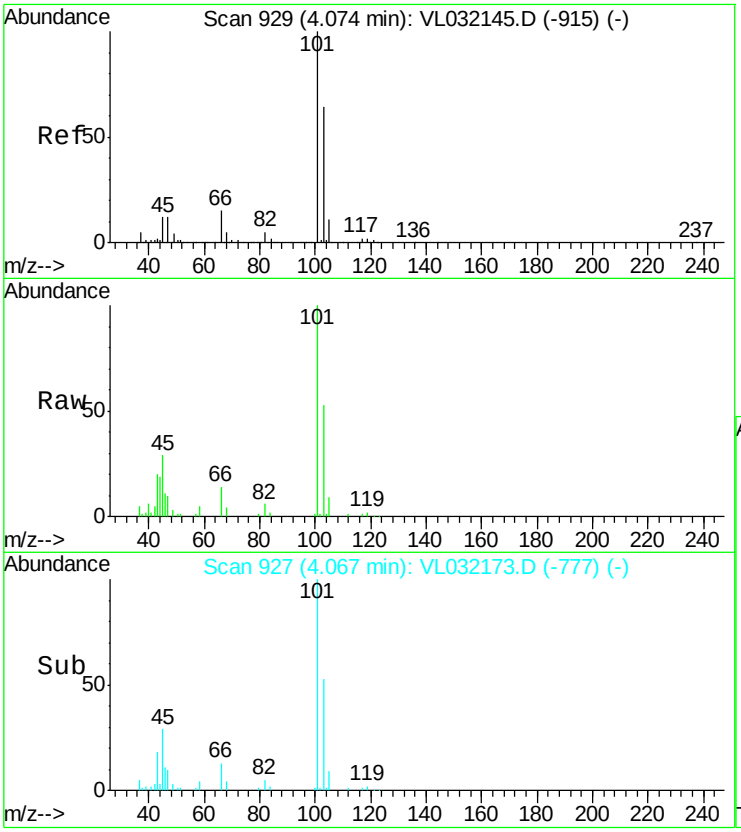


#10
Heptane
Concen: 1.064 ppbv
RT: 8.34 min Scan# 2256
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 43 Resp: 246950

Ion	Ratio	Lower	Upper
43	100		
57	53.3	39.8	59.8



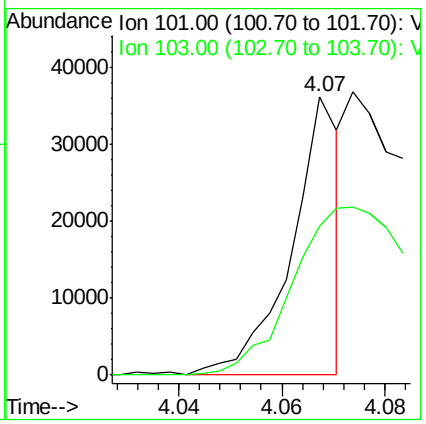


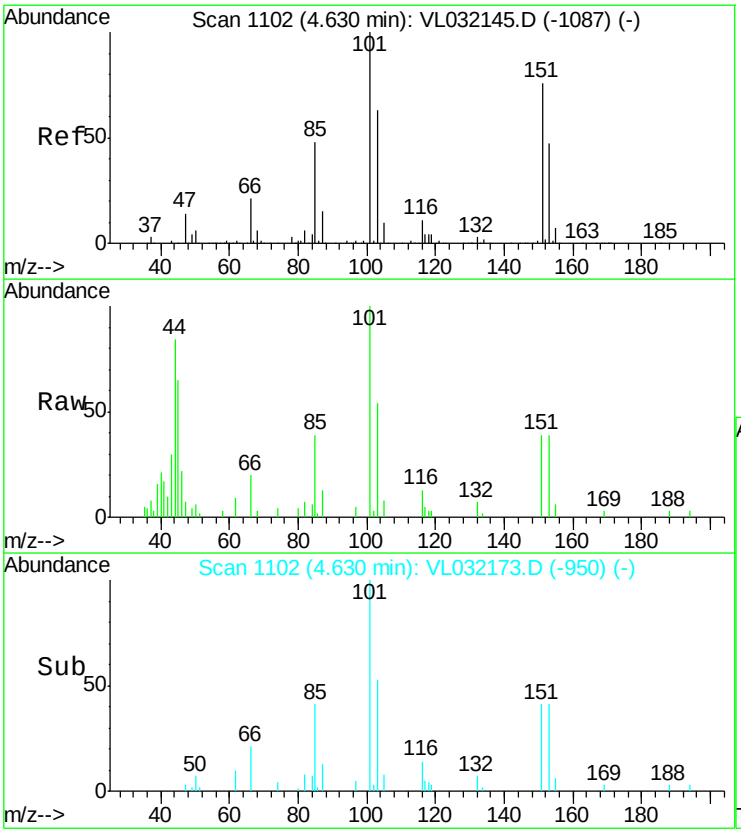
#11
Trichlorofluoromethane
Concen: 0.118 ppbv
RT: 4.07 min Scan# 927
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion:101 Resp: 23442

Ion	Ratio	Lower	Upper
101	100		
103	52.8	51.4	77.0

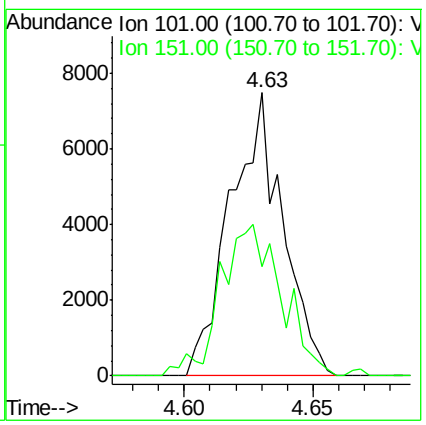


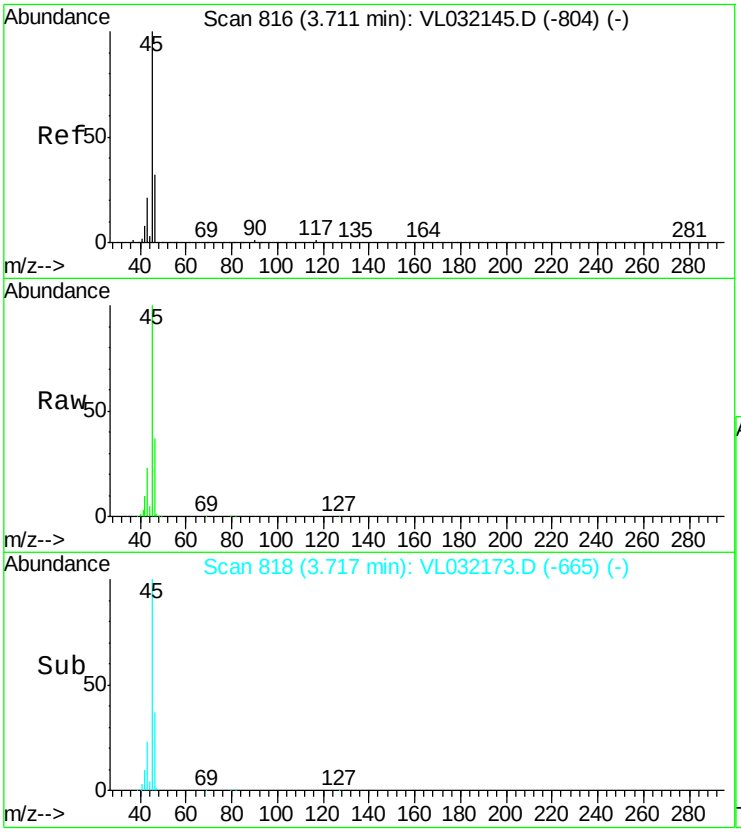


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.080 ppbv
RT: 4.63 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion:101 Resp: 10606

Ion	Ratio	Lower	Upper
101	100		
151	63.2	58.8	88.2



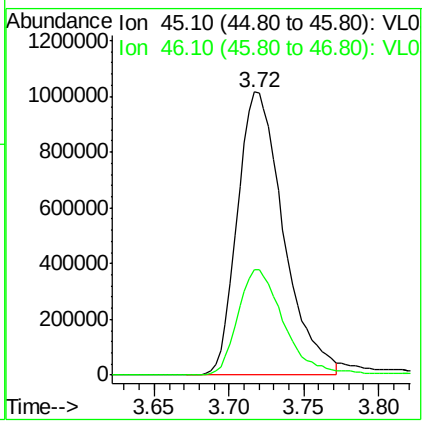


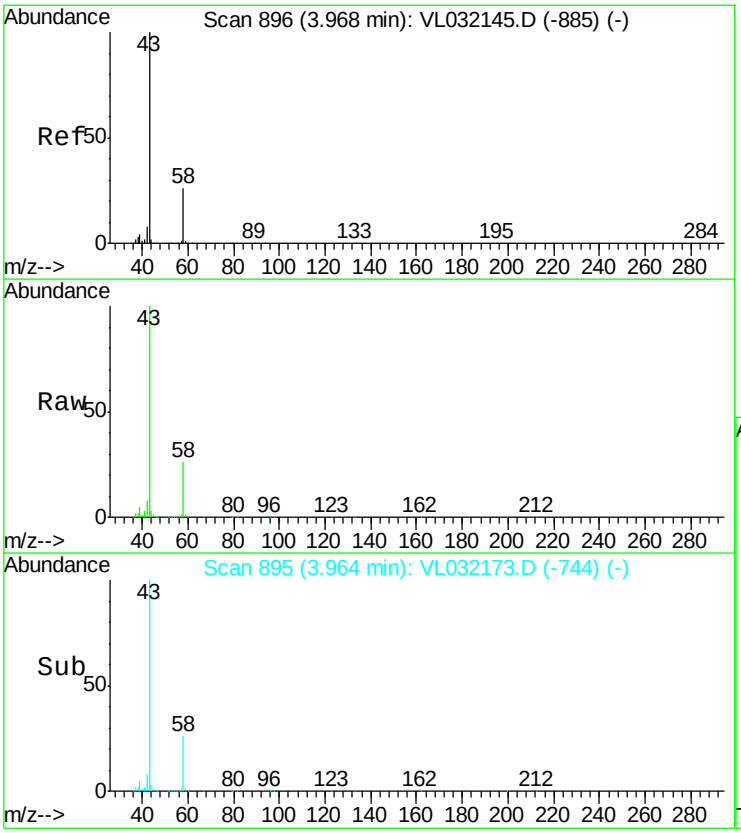
#13
Ethanol
Concen: 90.398 ppbv
RT: 3.72 min Scan# 818
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 45 Resp: 2182298

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.6	58.4

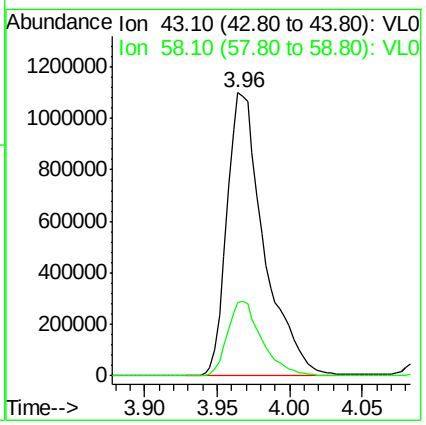


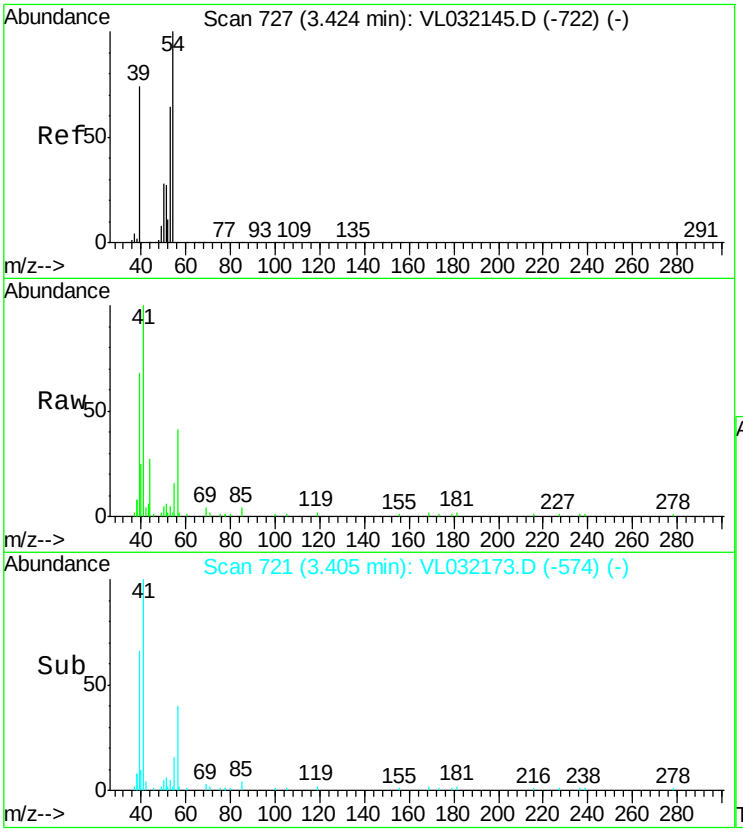


#15
Acetone
Concen: 11.843 ppbv
RT: 3.96 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 43 Resp: 1936540

Ion	Ratio	Lower	Upper
43	100		
58	24.7	21.4	32.0



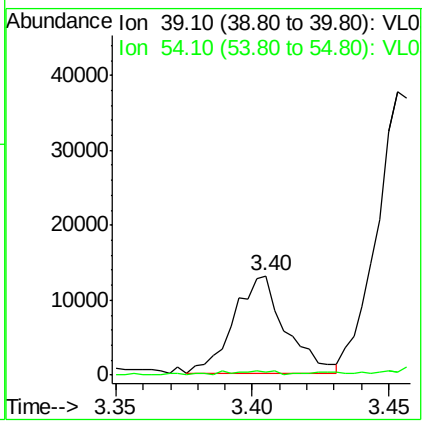


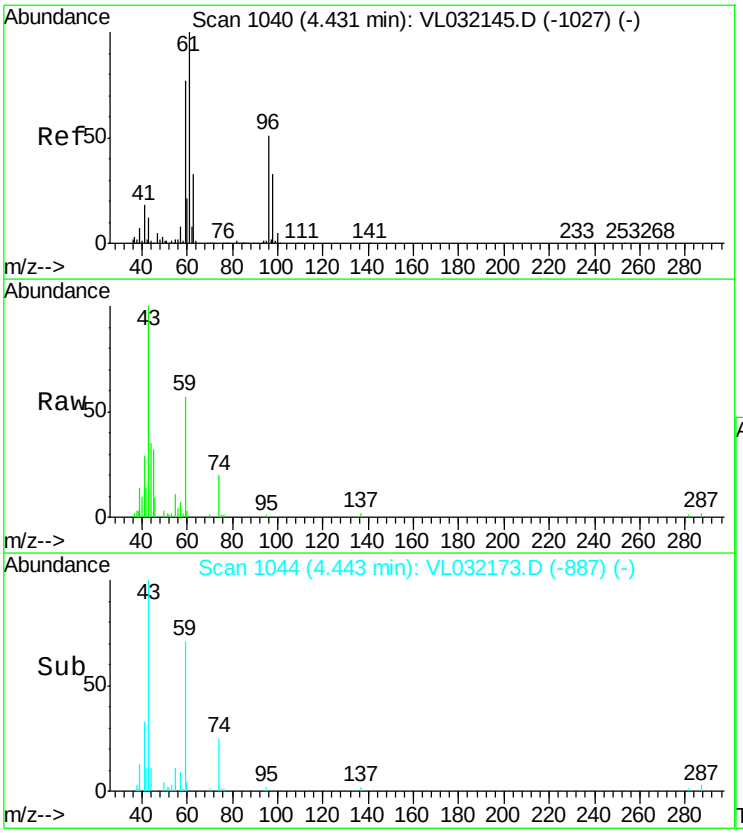
#16
1,3-Butadiene
Concen: 0.222 ppbv
RT: 3.40 min Scan# 721
Delta R.T. -0.03 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 39 Resp: 17334

Ion	Ratio	Lower	Upper
39	100		
54	7.0	75.8	113.6#

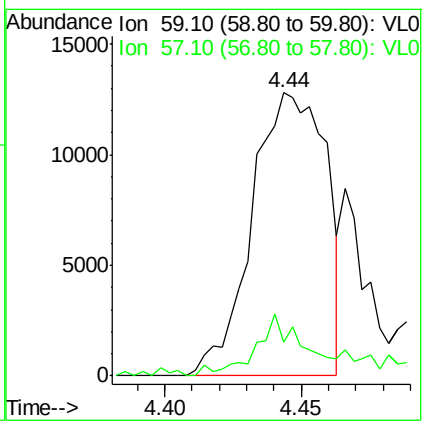


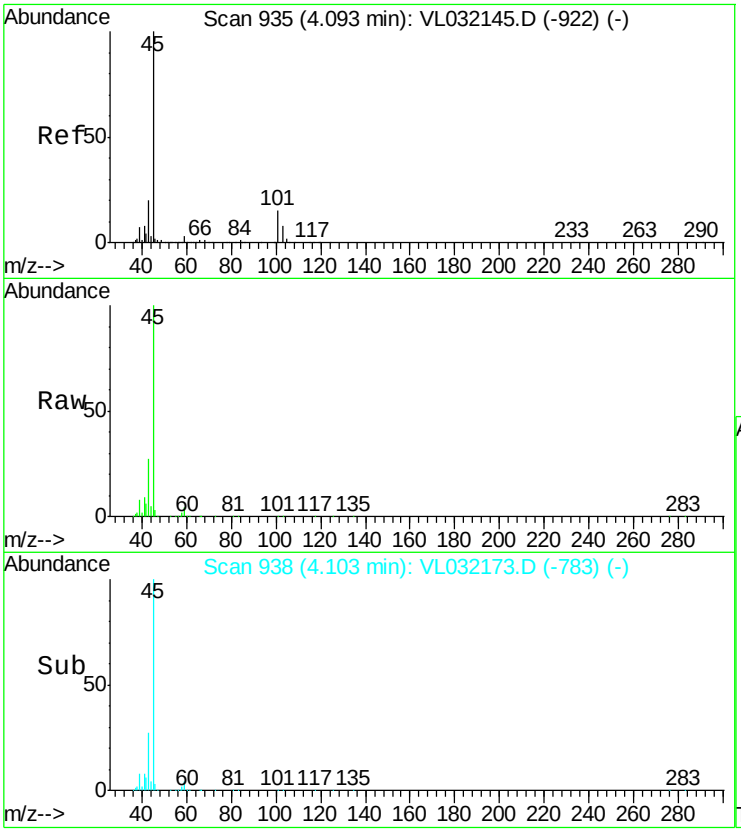


#17
tert-Butyl alcohol
Concen: 0.232 ppbv
RT: 4.44 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 59 Resp: 24109

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#



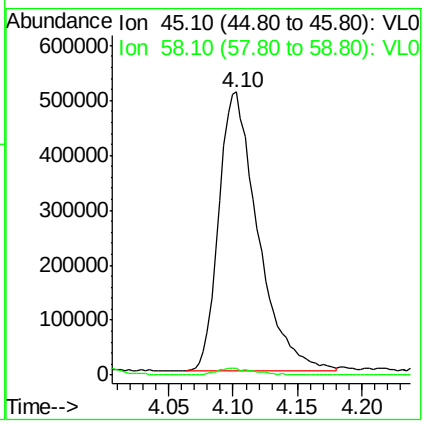


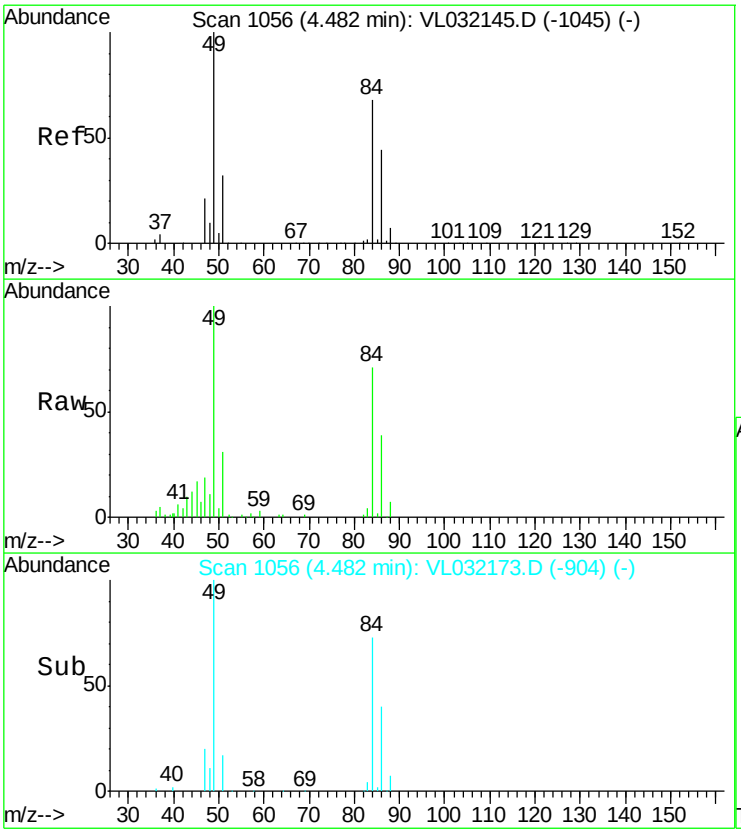
#19
Isopropyl Alcohol
Concen: 7.852 ppbv
RT: 4.10 min Scan# 938
Delta R.T. -0.00 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 45 Resp: 1066685

Ion	Ratio	Lower	Upper
45	100		
58	2.6	29.4	44.0#

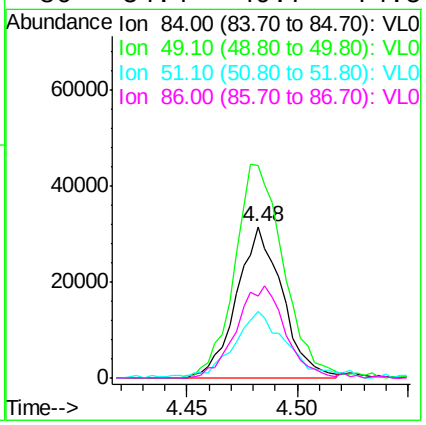


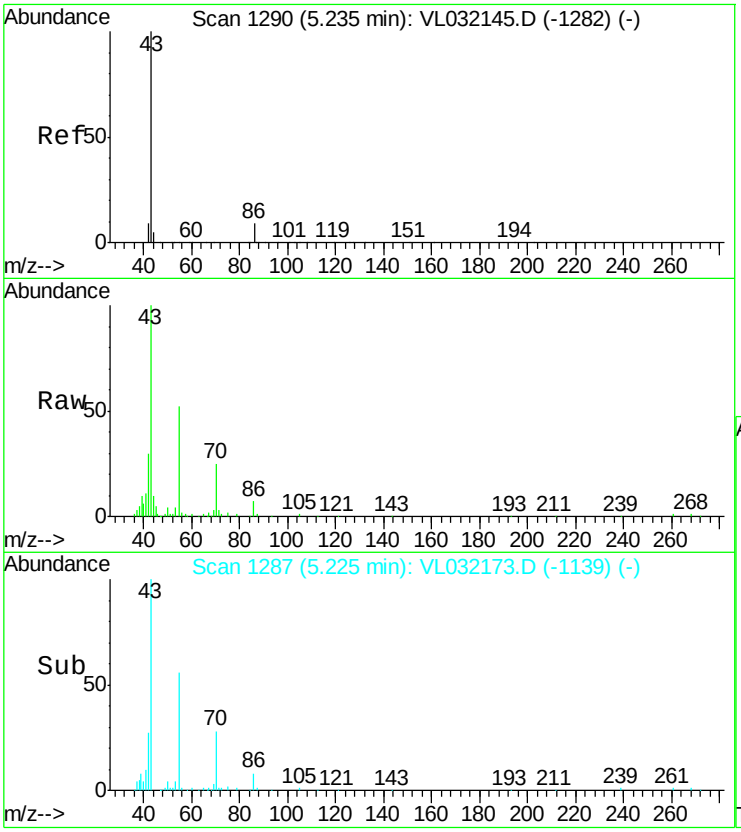


#20
Methylene Chloride
Concen: 0.760 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 84 Resp: 45394

Ion	Ratio	Lower	Upper
84	100		
49	139.2	119.6	179.4
51	43.0	36.3	54.5
86	54.4	49.7	74.5



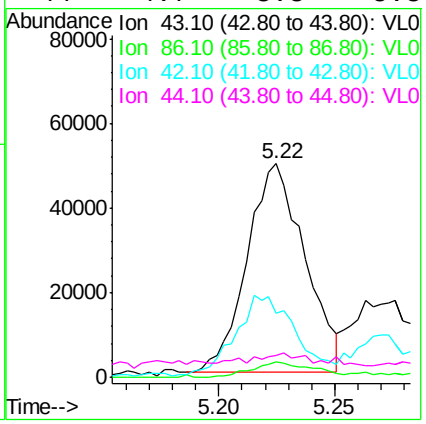


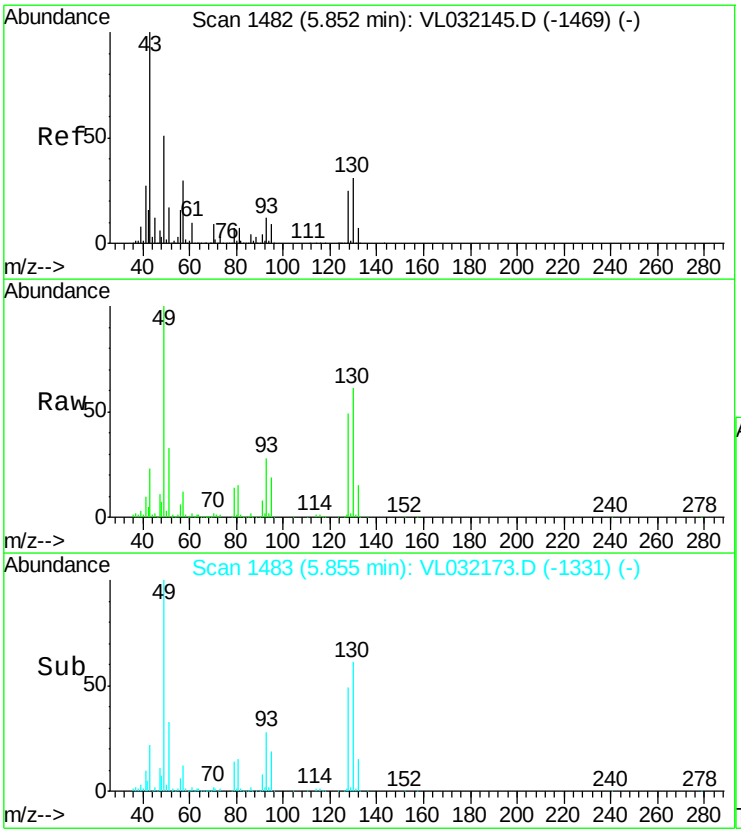
#23
Vinyl Acetate
Concen: 0.287 ppbv
RT: 5.22 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 43 Resp: 85165

Ion	Ratio	Lower	Upper
43	100		
86	6.2	6.2	9.4#
42	29.6	6.9	10.3#
44	4.7	3.8	5.8

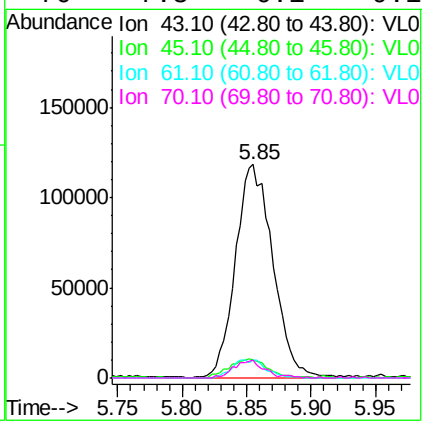


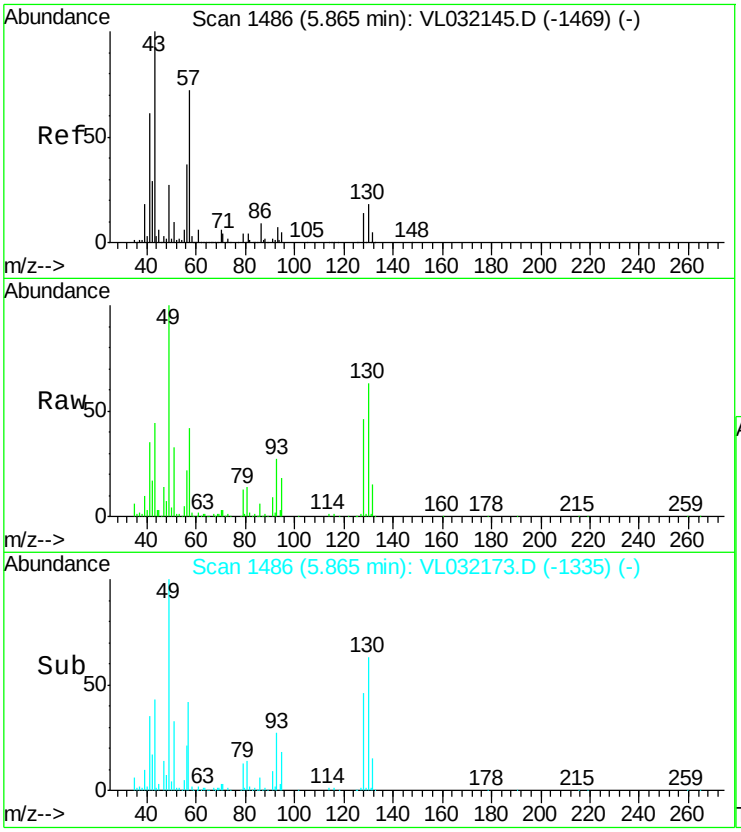


#25
Ethyl Acetate
Concen: 0.707 ppbv
RT: 5.85 min Scan# 1483
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 43 Resp: 239182

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	7.9	7.4	11.0
70	7.3	6.1	9.1



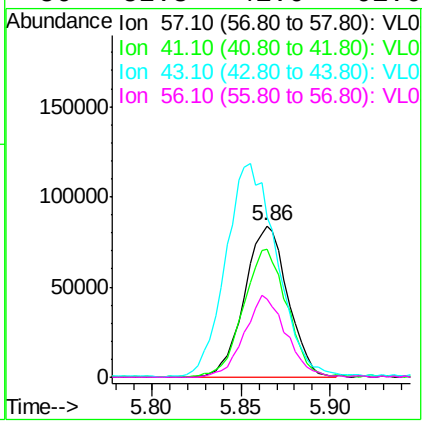


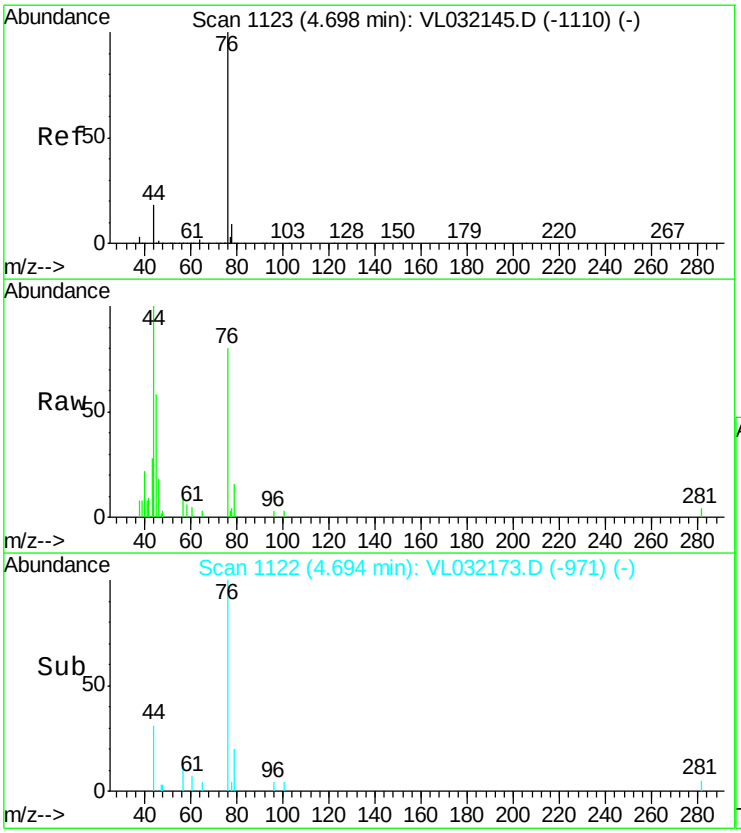
#26
Hexane
Concen: 0.914 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 57 Resp: 142463

Ion	Ratio	Lower	Upper
57	100		
41	87.1	68.6	103.0
43	168.9	168.6	252.8
56	52.3	41.0	61.6

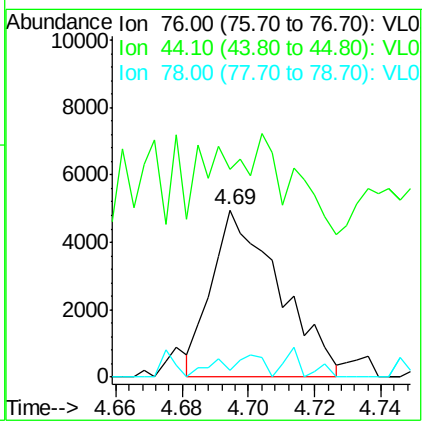


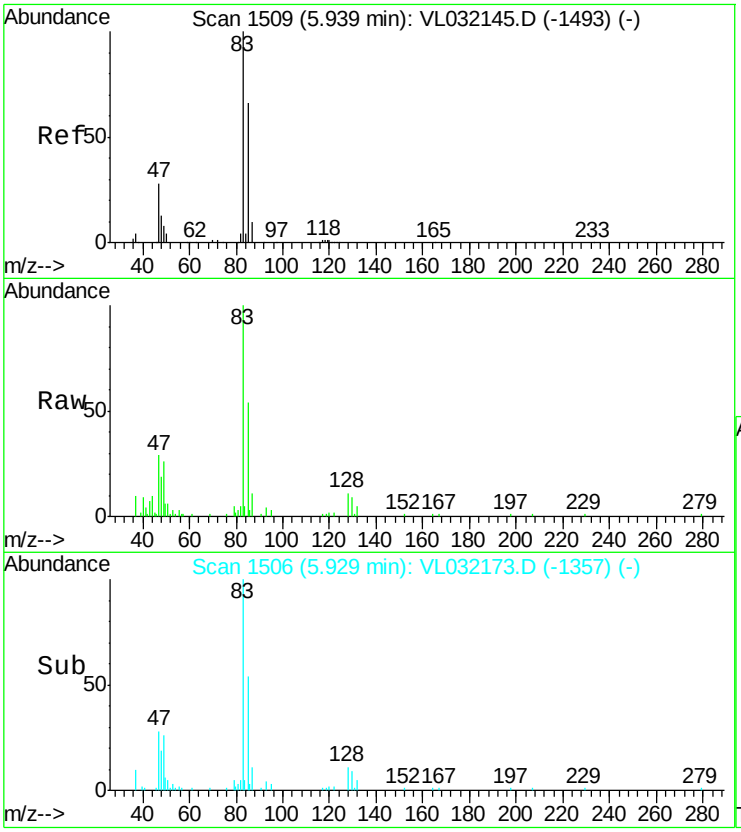


#27
Carbon Disulfide
Concen: 0.045 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 76 Resp: 7034

Ion	Ratio	Lower	Upper
76	100		
44	90.3	15.1	22.7#
78	9.8	7.2	10.8



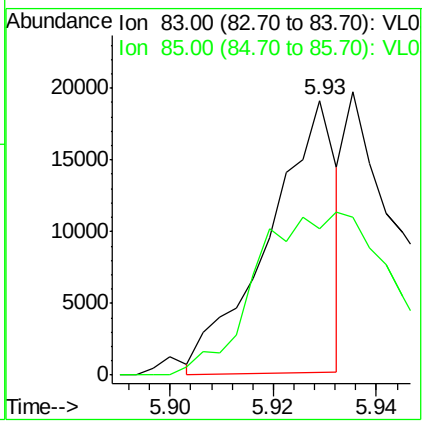


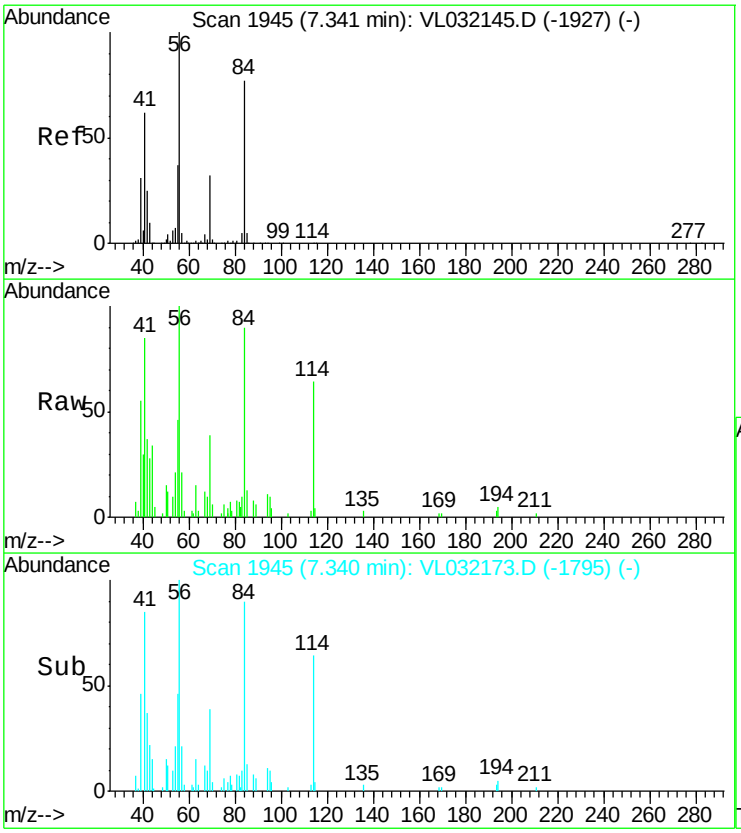
#29
Chloroform
Concen: 0.076 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 83 Resp: 17267

Ion	Ratio	Lower	Upper
83	100		
85	52.6	51.6	77.4

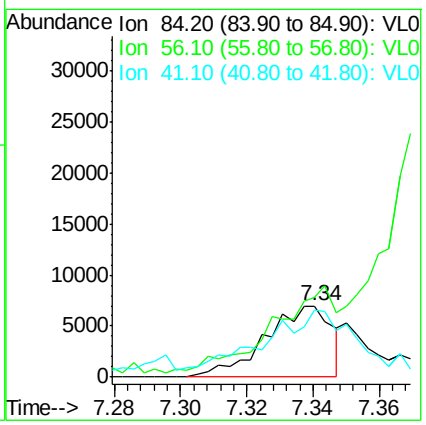


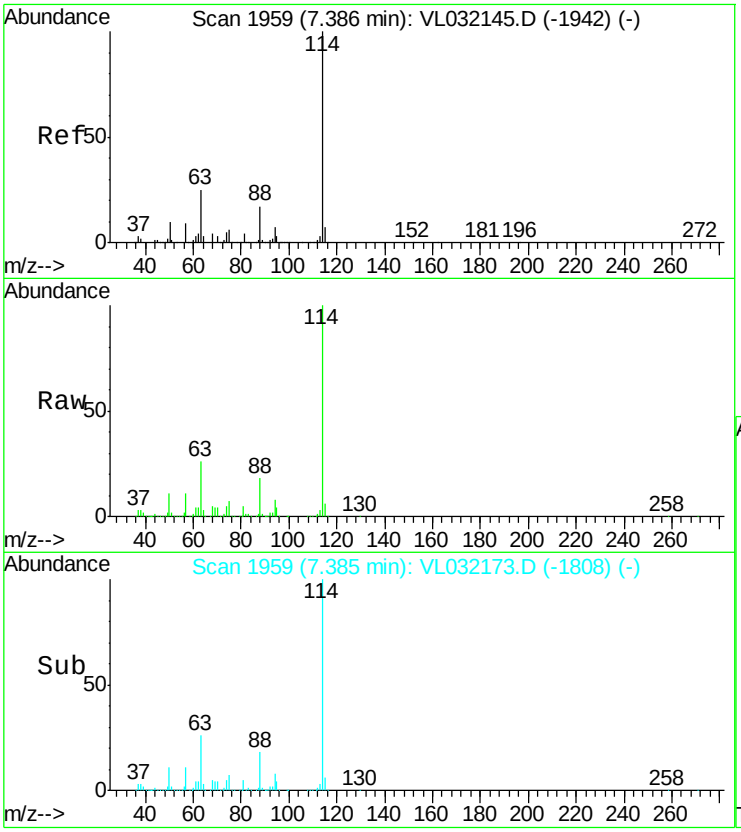


#30
Cyclohexane
Concen: 0.066 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 84 Resp: 9694

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.1	163.7#
41	153.8	64.6	96.8#



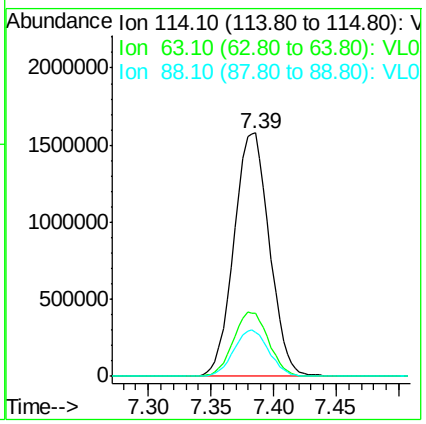


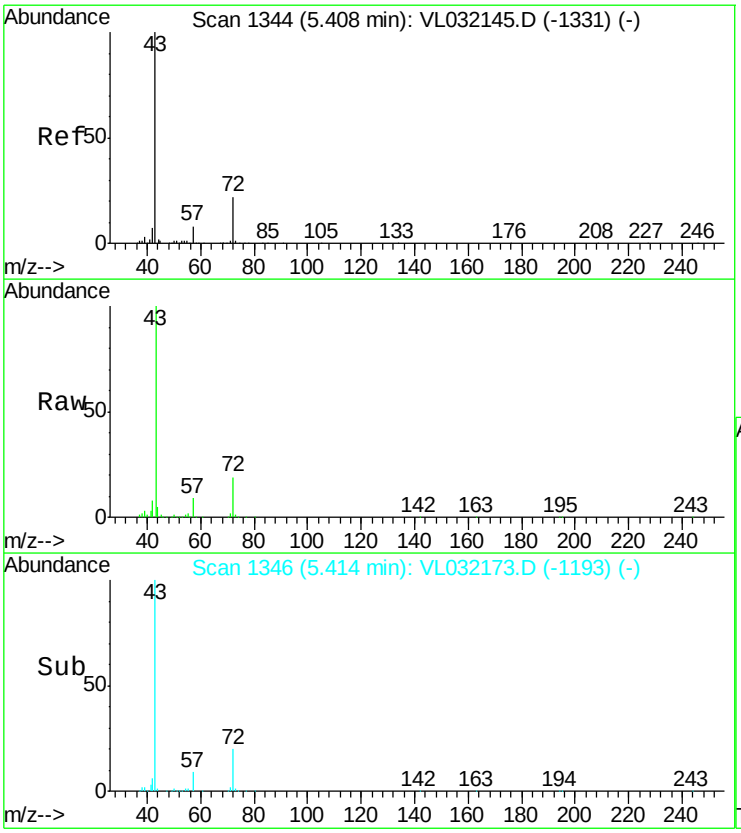
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.39 min Scan# 1959
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion:114 Resp: 3109141

Ion	Ratio	Lower	Upper
114	100		
63	26.3	19.1	28.7
88	18.7	13.9	20.9

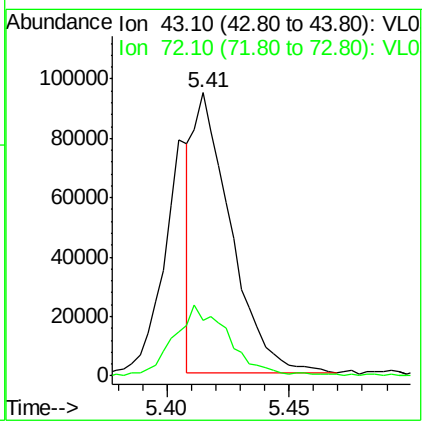


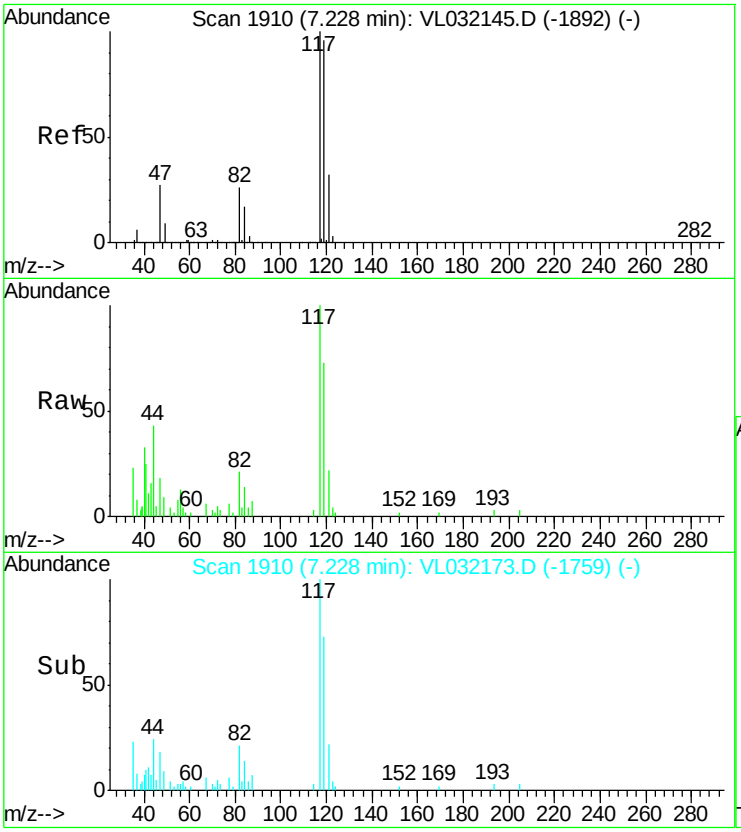


#34
2-Butanone
Concen: 0.512 ppbv
RT: 5.41 min Scan# 1346
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 43 Resp: 101055

Ion	Ratio	Lower	Upper
43	100		
72	37.6	18.4	27.6#



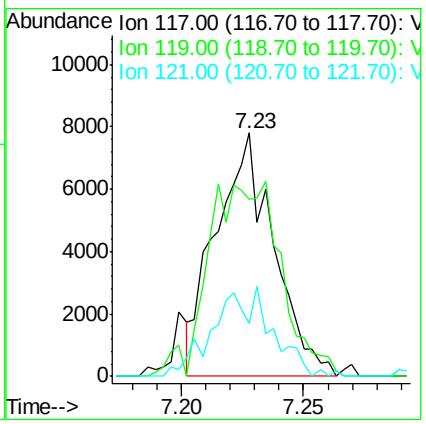


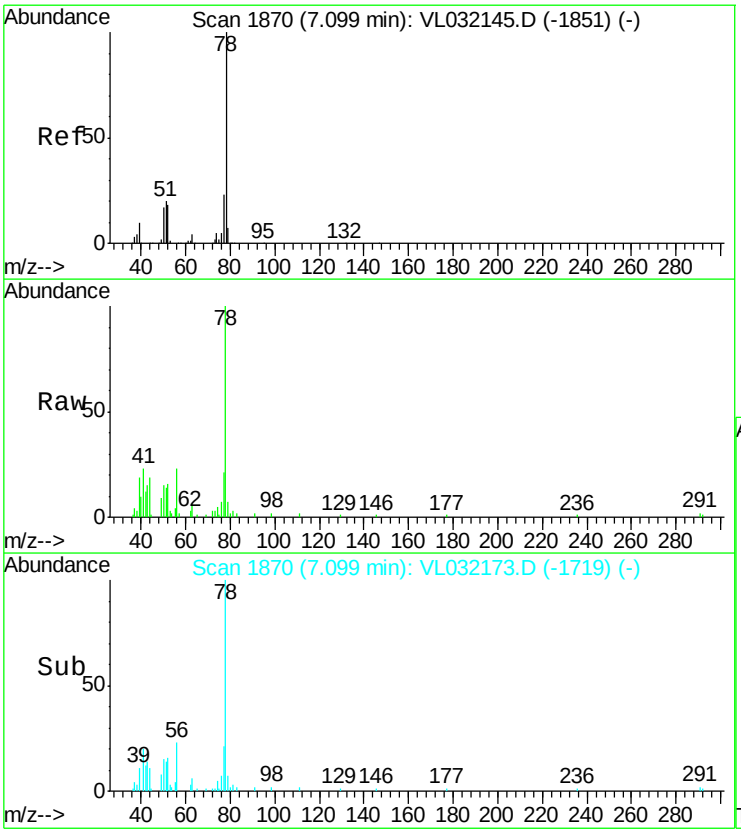
#35
Carbon Tetrachloride
Concen: 0.060 ppbv
RT: 7.23 min Scan# 1910
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion:117 Resp: 12858

Ion	Ratio	Lower	Upper
117	100		
119	72.7	74.8	112.2#
121	19.7	24.0	36.0#

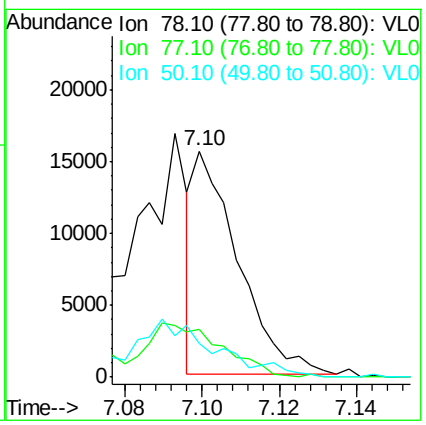


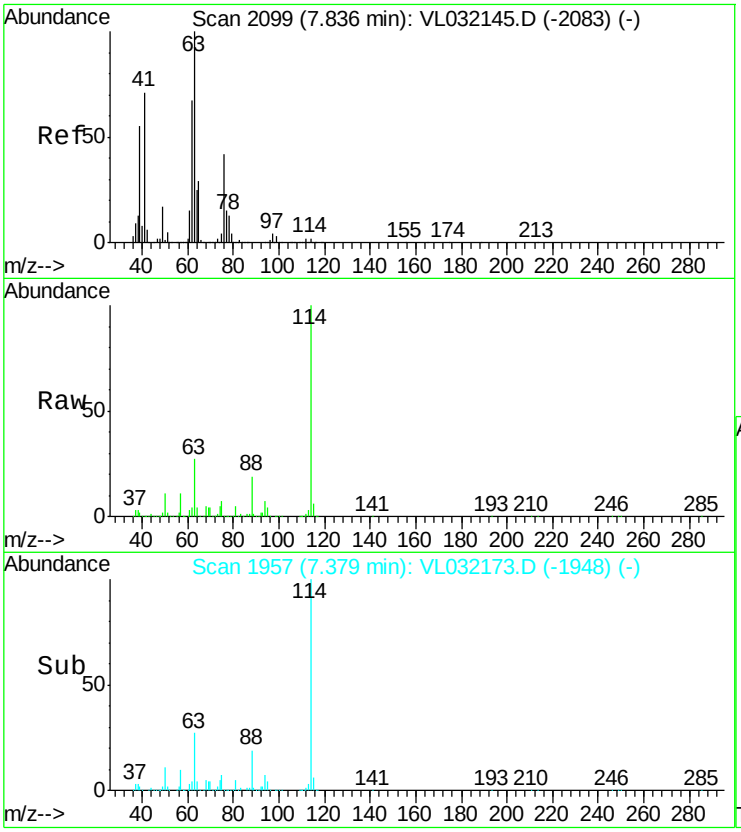


#36
Benzene
Concen: 0.041 ppbv
RT: 7.10 min Scan# 1870
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 78 Resp: 12299

Ion	Ratio	Lower	Upper
78	100		
77	21.6	17.7	26.5
50	14.9	14.0	21.0



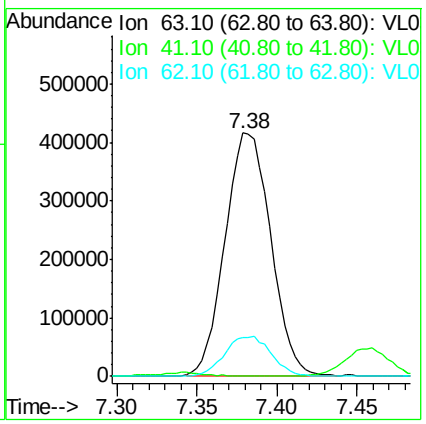


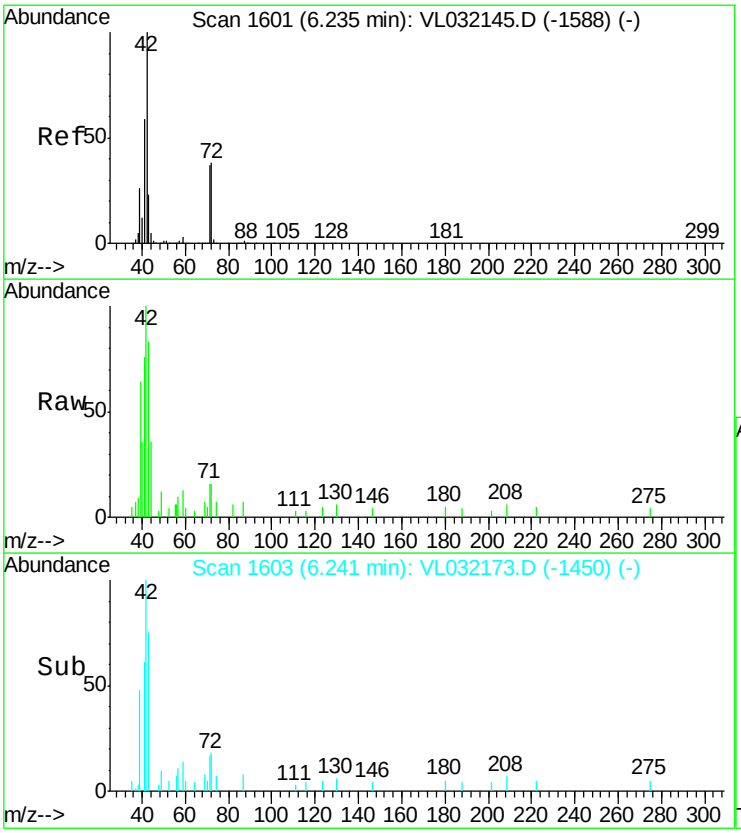
#39
1,2-Dichloropropane
Concen: 6.770 ppbv
RT: 7.38 min Scan# 1957
Delta R.T. -0.47 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 63 Resp: 803487

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.3	79.9#
62	16.0	54.8	82.2#

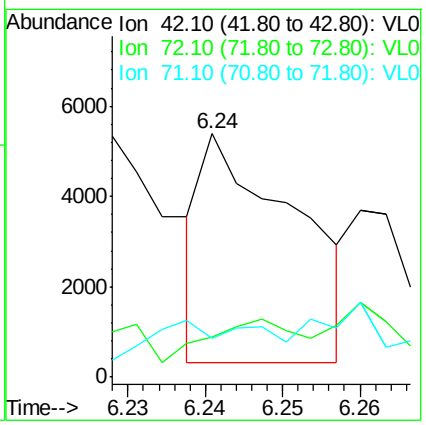


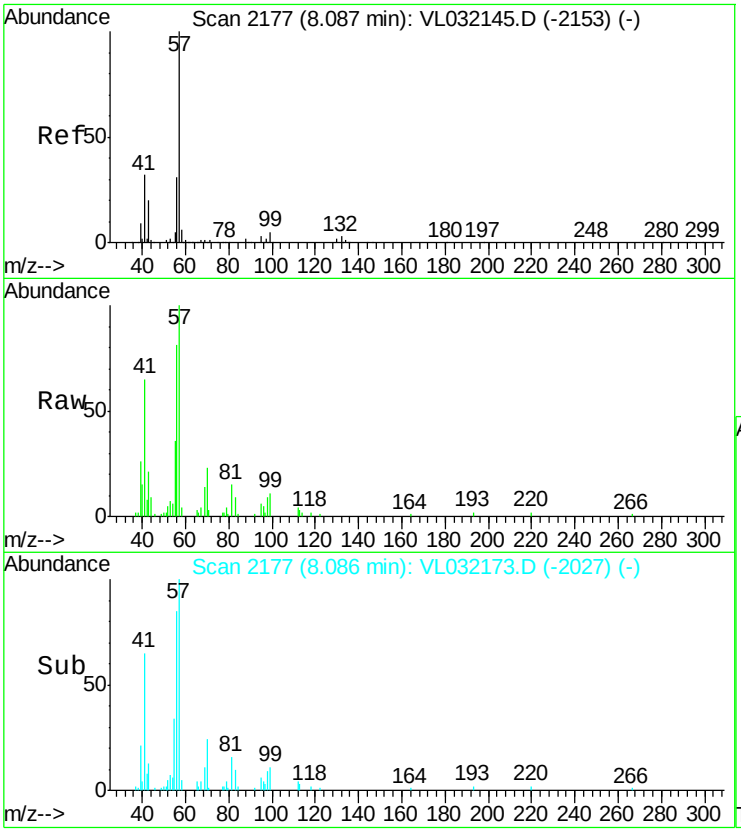


#41
Tetrahydrofuran
Concen: 0.036 ppbv
RT: 6.24 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 42 Resp: 4256

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.1	46.7#
71	0.0	29.5	44.3#



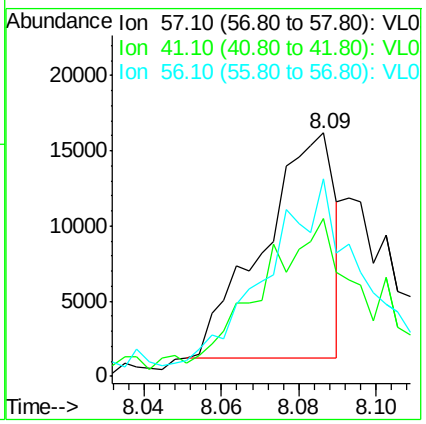


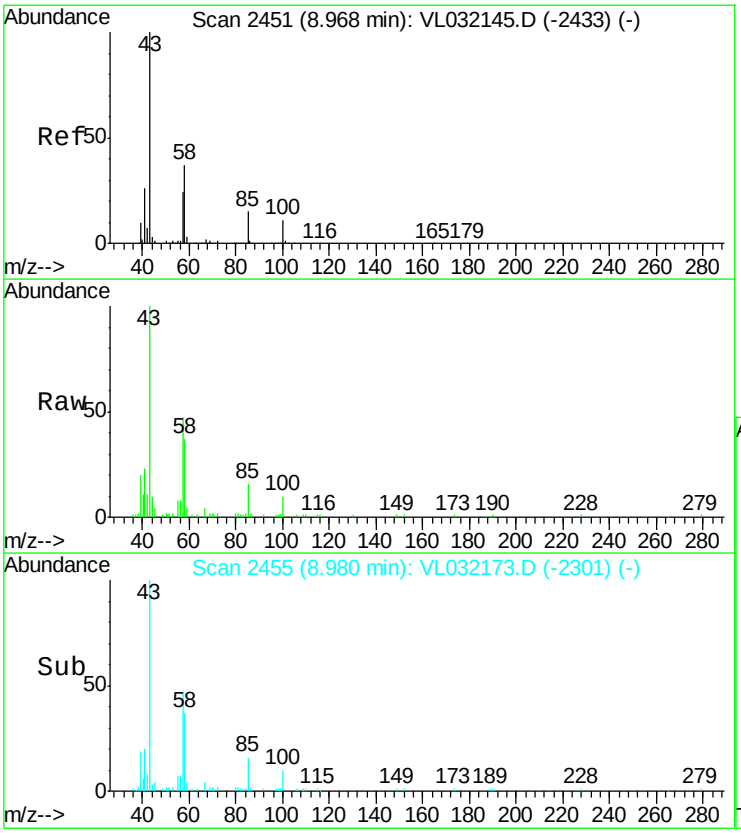
#44
2,2,4-Trimethylpentane
Concen: 0.037 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 57 Resp: 19236

Ion	Ratio	Lower	Upper
57	100		
41	105.1	24.3	36.5#
56	129.1	25.1	37.7#

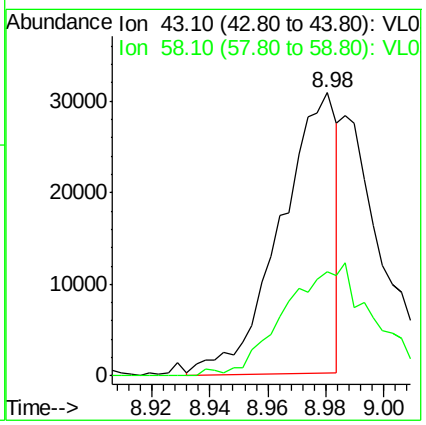


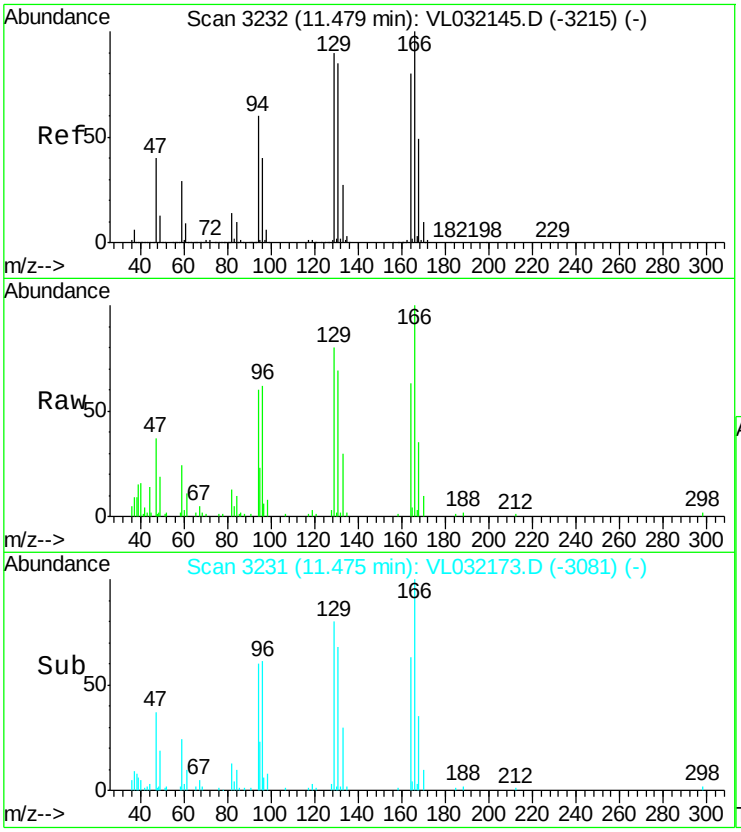


#50
4-Methyl-2-Pentanone
Concen: 0.128 ppbv
RT: 8.98 min Scan# 2455
Delta R.T. -0.00 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 43 Resp: 41230

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.6#



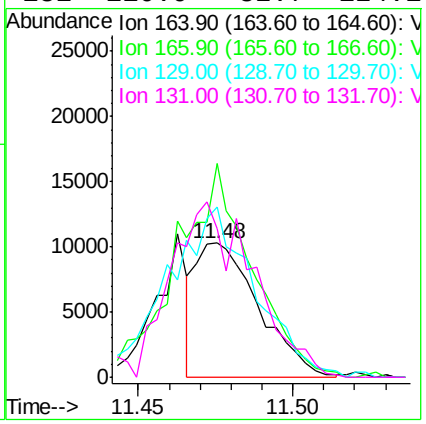


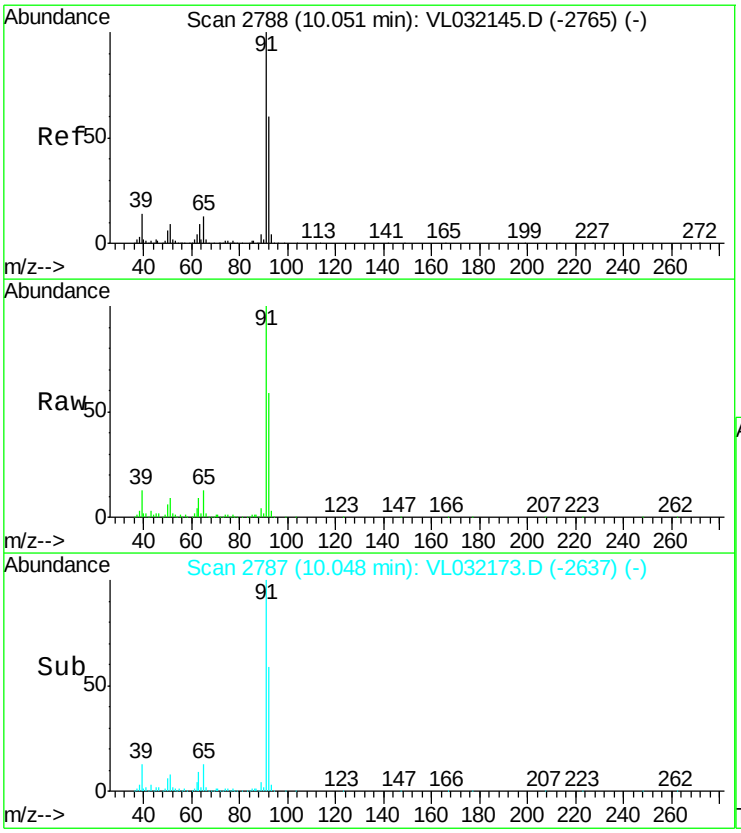
#52
Tetrachloroethene
Concen: 0.132 ppbv
RT: 11.48 min Scan# 3231
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument : MSVOA_L
ClientSampleId : RESIDENT-D-INDOOR

Tgt Ion:164 Resp: 14469

Ion	Ratio	Lower	Upper
164	100		
166	158.4	100.6	151.0#
129	125.0	84.0	126.0
131	110.9	82.7	124.1

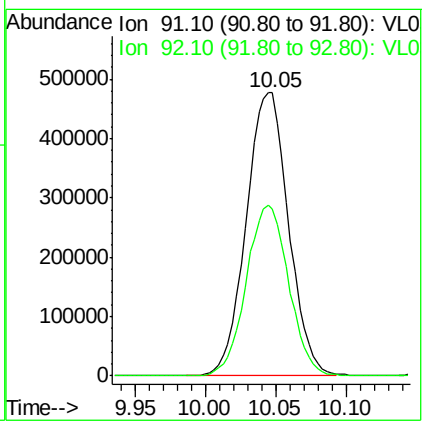


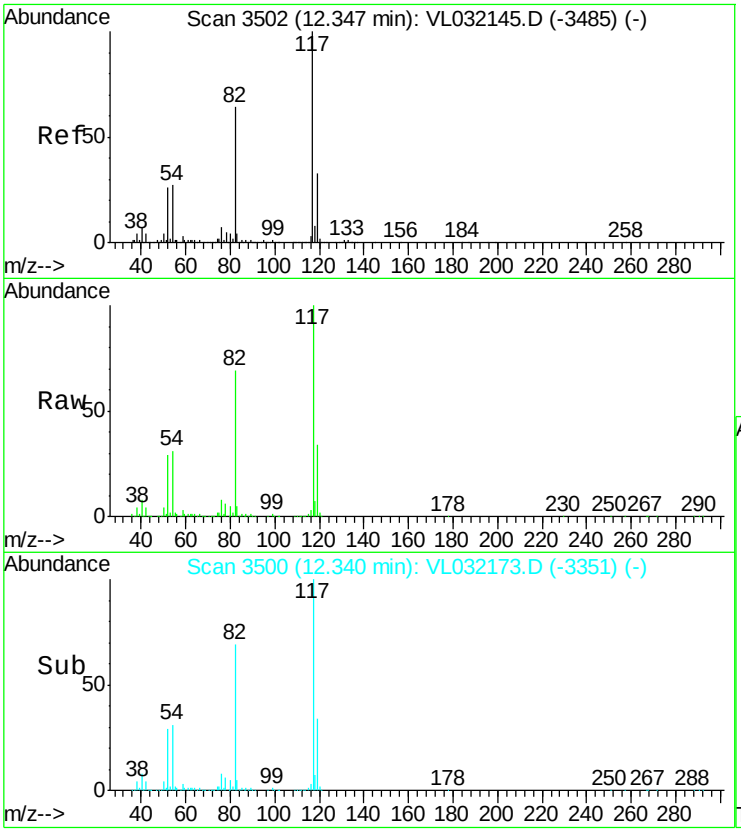


#53
Toluene
Concen: 2.752 ppbv
RT: 10.05 min Scan# 2787
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 91 Resp: 1000838

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.2	73.8



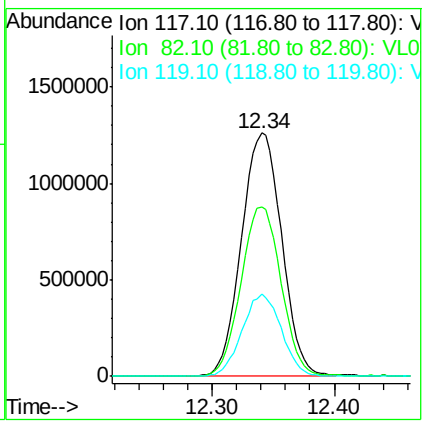


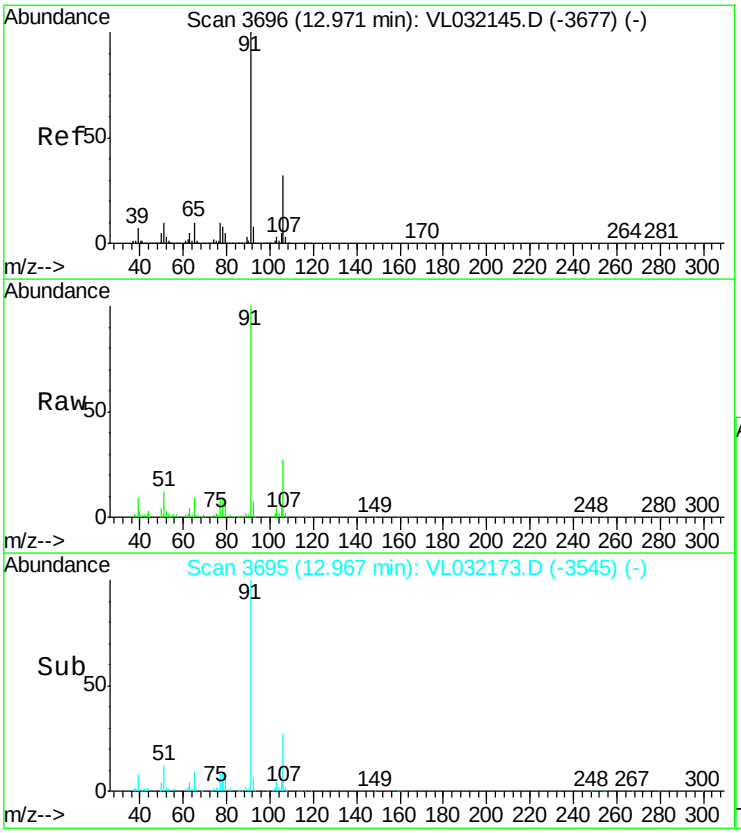
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion:117 Resp: 2881537

Ion	Ratio	Lower	Upper
117	100		
82	69.9	47.8	71.8
119	33.0	43.3	64.9#

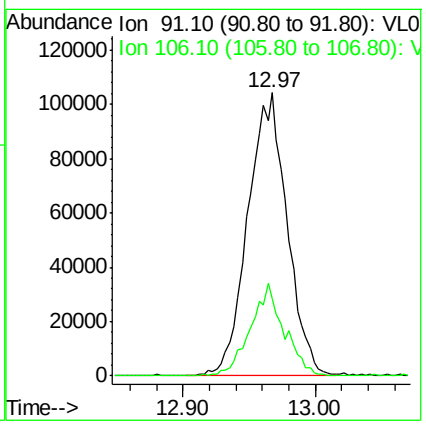


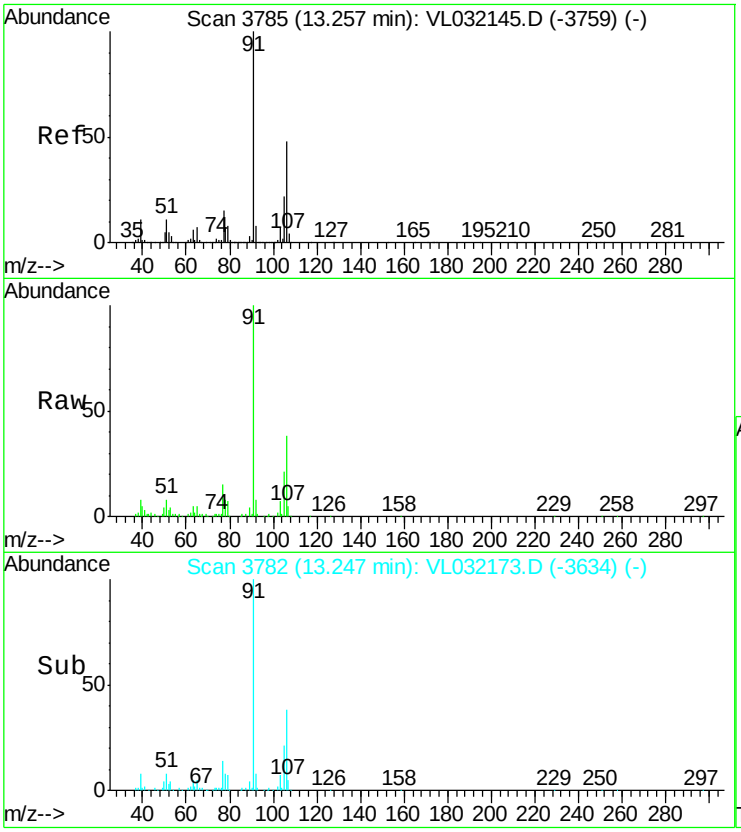


#58
Ethyl Benzene
Concen: 0.461 ppbv
RT: 12.97 min Scan# 3695
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 91 Resp: 214132

Ion	Ratio	Lower	Upper
91	100		
106	27.2	26.5	39.7



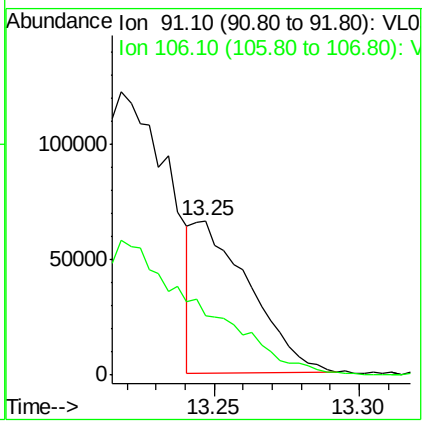


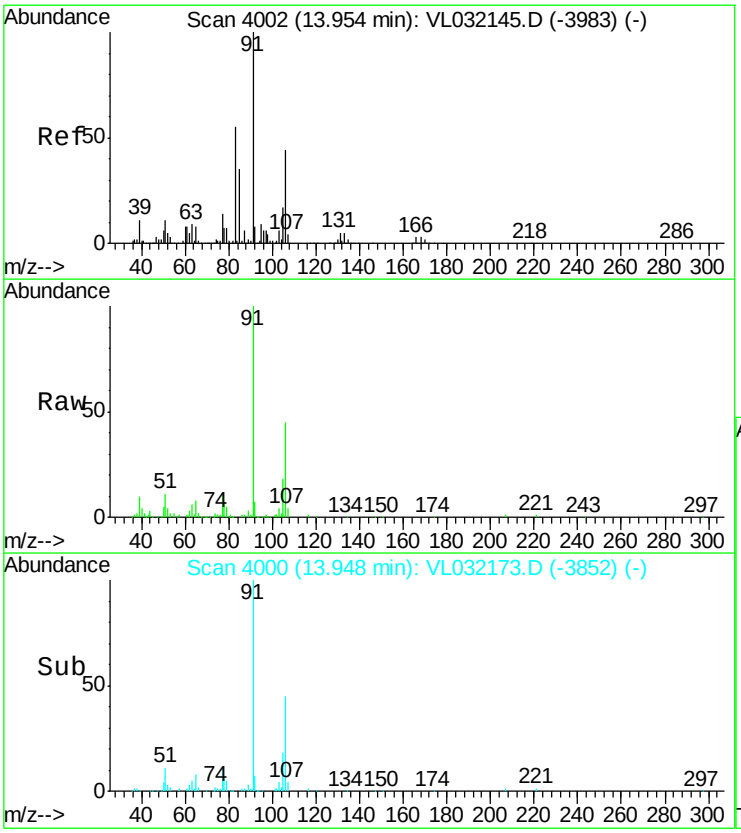
#59
m/p-Xylene
Concen: 0.241 ppbv
RT: 13.25 min Scan# 3782
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion: 91 Resp: 89796

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.6	58.0#

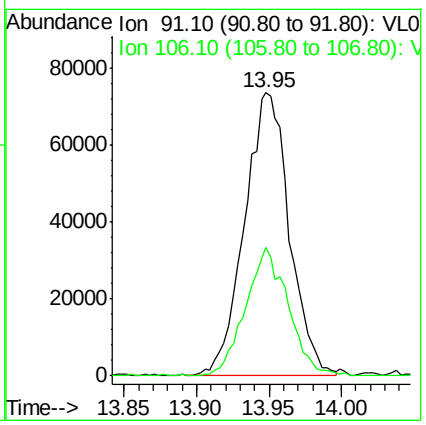


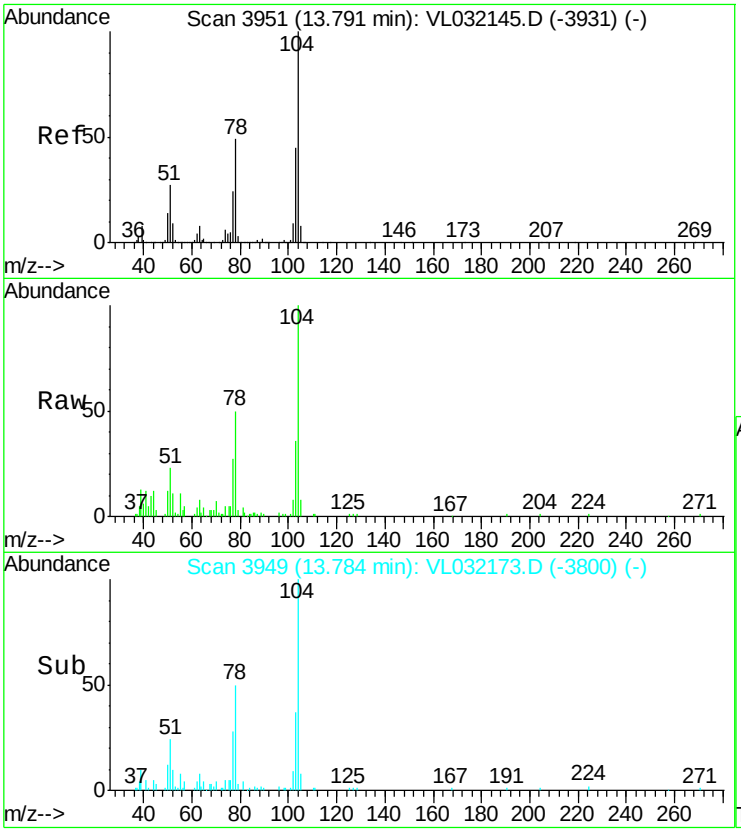


#60
o-Xylene
Concen: 0.427 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 91 Resp: 158671

Ion	Ratio	Lower	Upper
91	100		
106	43.3	23.3	69.8



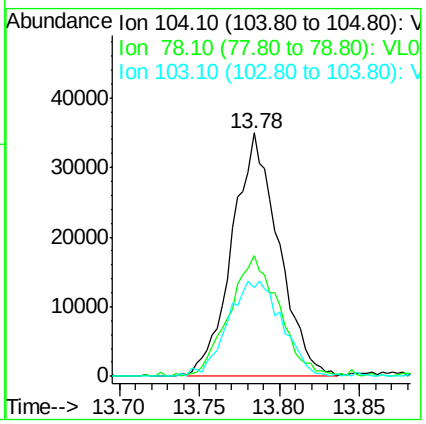


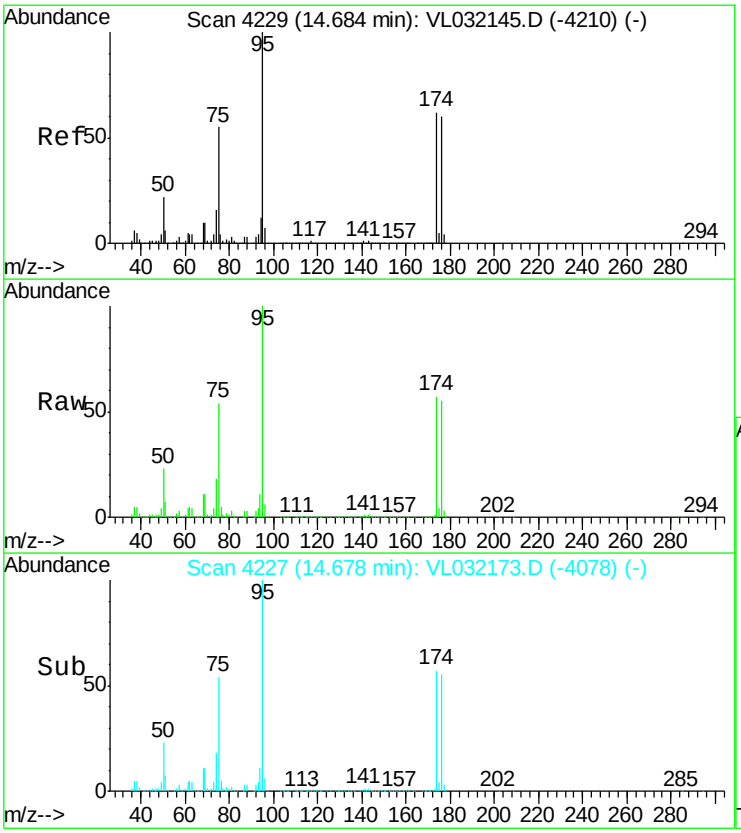
#61
Styrene
Concen: 0.228 ppbv
RT: 13.78 min Scan# 3949
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion:104 Resp: 69476

Ion	Ratio	Lower	Upper
104	100		
78	53.7	37.9	56.9
103	45.7	36.6	55.0

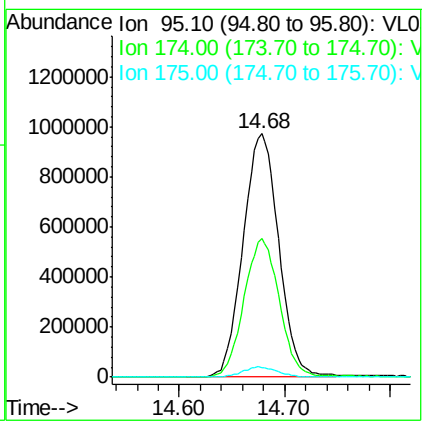


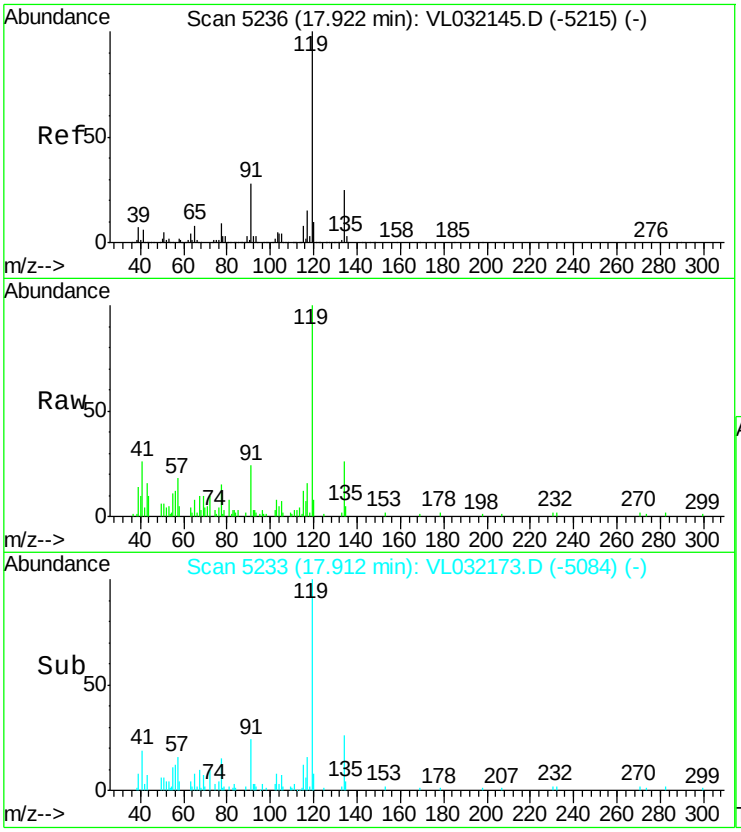


#68
1-Bromo-4-Fluorobenzene
Concen: 10.408 ppbv
RT: 14.68 min Scan# 4227
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion: 95 Resp: 2292500

Ion	Ratio	Lower	Upper
95	100		
174	57.2	52.1	78.1
175	4.2	4.0	6.0



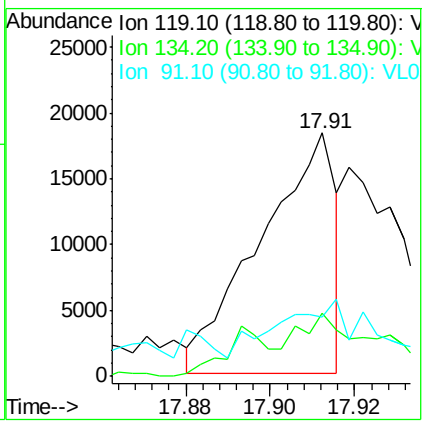


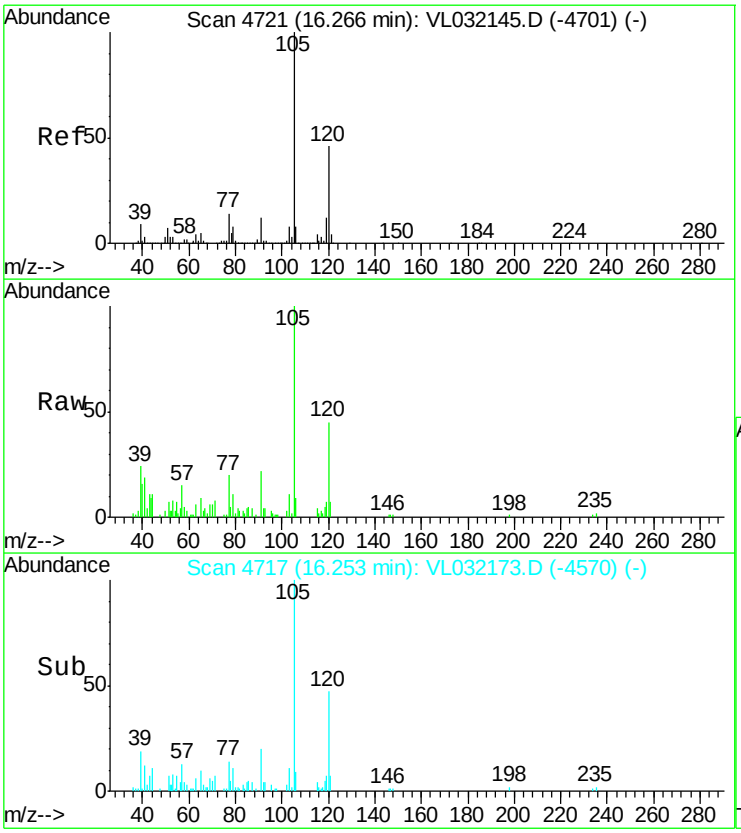
#69
p-Isopropyltoluene
Concen: 0.038 ppbv
RT: 17.91 min Scan# 5233
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion:119 Resp: 22628

Ion	Ratio	Lower	Upper
119	100		
134	44.1	20.7	31.1#
91	0.0	21.8	32.8#

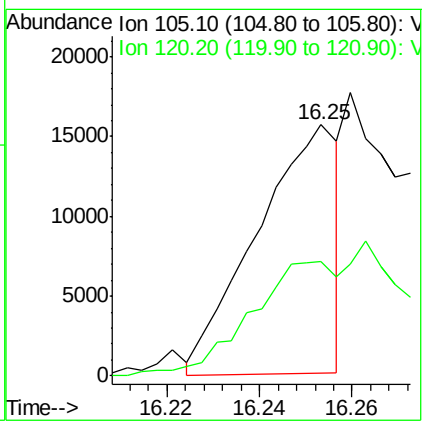


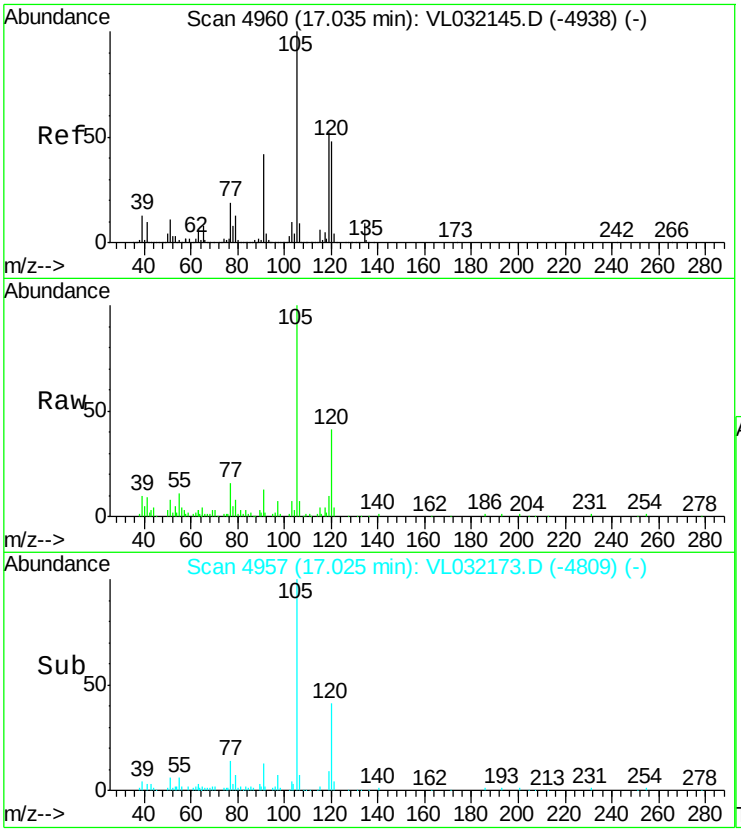


#73
1,3,5-Trimethylbenzene
Concen: 0.042 ppbv
RT: 16.25 min Scan# 4717
Delta R.T. -0.03 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Tgt Ion:105 Resp: 19002

Ion	Ratio	Lower	Upper
105	100		
120	44.0	38.6	57.8





#74
1,2,4-Trimethylbenzene
Concen: 0.246 ppbv
RT: 17.02 min Scan# 4957
Delta R.T. -0.02 min
Lab File: VL032173.D
Acq: 30 Jun 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-INDOOR

Tgt Ion:105 Resp: 112075

Ion	Ratio	Lower	Upper
105	100		
120	40.1	38.8	58.2
91	14.6	33.6	50.4#
77	15.2	16.0	24.0#