Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032525.D
Acq On : 25 Sep 2018 1:39
Operator : SY/AP
Sample : J5039-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INDOOR-AIR

Quant Time: Sep 25 05:35:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.79	49	1422635	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.32	114	3096536	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.27	117	3125399	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2407692	10.22	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	39984	0.304	ppbv		89
3) Chlorodifluoromethane	3.03	51	75303	0.637	ppbv	#	85
4) Chloromethane	3.19	50	42896	0.622	ppbv		97
9) Propene	3.07	41	67404	1.313	ppbv	#	71
10) Heptane	8.27	43	8680	0.046	ppbv	#	28
11) Trichlorofluoromethane	4.03	101	41268	0.264	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	7457	0.058	ppbv	#	17
13) Ethanol	3.68	45	590700	38.285	ppbv		96
15) Acetone	3.92	43	3577594	28.649	ppbv		99
16) 1,3-Butadiene	3.36	39	13487	0.266	ppbv	#	33
17) tert-Butyl alcohol	4.40	59	10597	0.675	ppbv	#	100
19) Isopropyl Alcohol	4.06	45	393839	4.528	ppbv	#	1
20) Methylene Chloride	4.43	84	443764	7.338	ppbv		94
23) Vinyl Acetate	5.17	43	79820	0.362	ppbv	#	61
25) Ethyl Acetate	5.80	43	526989	1.739	ppbv	#	83
26) Hexane	5.80	57	606132	4.429	ppbv	#	49
27) Carbon Disulfide	4.64	76	4751	0.032	ppbv	#	55
29) Chloroform	5.88	83	62607	0.298	ppbv		98
34) 2-Butanone	5.36	43	128934	0.699	ppbv		97
35) Carbon Tetrachloride	7.15	117	6508	0.030	ppbv		92
36) Benzene	7.03	78	65374	0.261	ppbv		95
39) 1,2-Dichloropropane	7.32	63	843350	7.478	ppbv	#	25
41) Tetrahydrofuran	5.80	42	248217	2.478	ppbv	#	52
43) Methyl Methacrylate	8.16	69	13075	0.125	ppbv	#	89
44) 2,2,4-Trimethylpentane	8.02	57	29625	0.061	ppbv	#	31
53) Toluene	9.98	91	737064	2.417	ppbv		100
60) o-Xylene	13.88	91	14230	0.043	ppbv	#	32
72) 4-Ethyltoluene	16.03	105	14535	0.041	ppbv	#	29
74) 1,2,4-Trimethylbenzene	16.96	105	122624	0.329	ppbv	#	72
79) Naphthalene	22.44	128	25983	0.097	ppbv	#	97
80) Naphthalene,2-methyl-	25.14	142	8244	0.131	ppbv	#	90

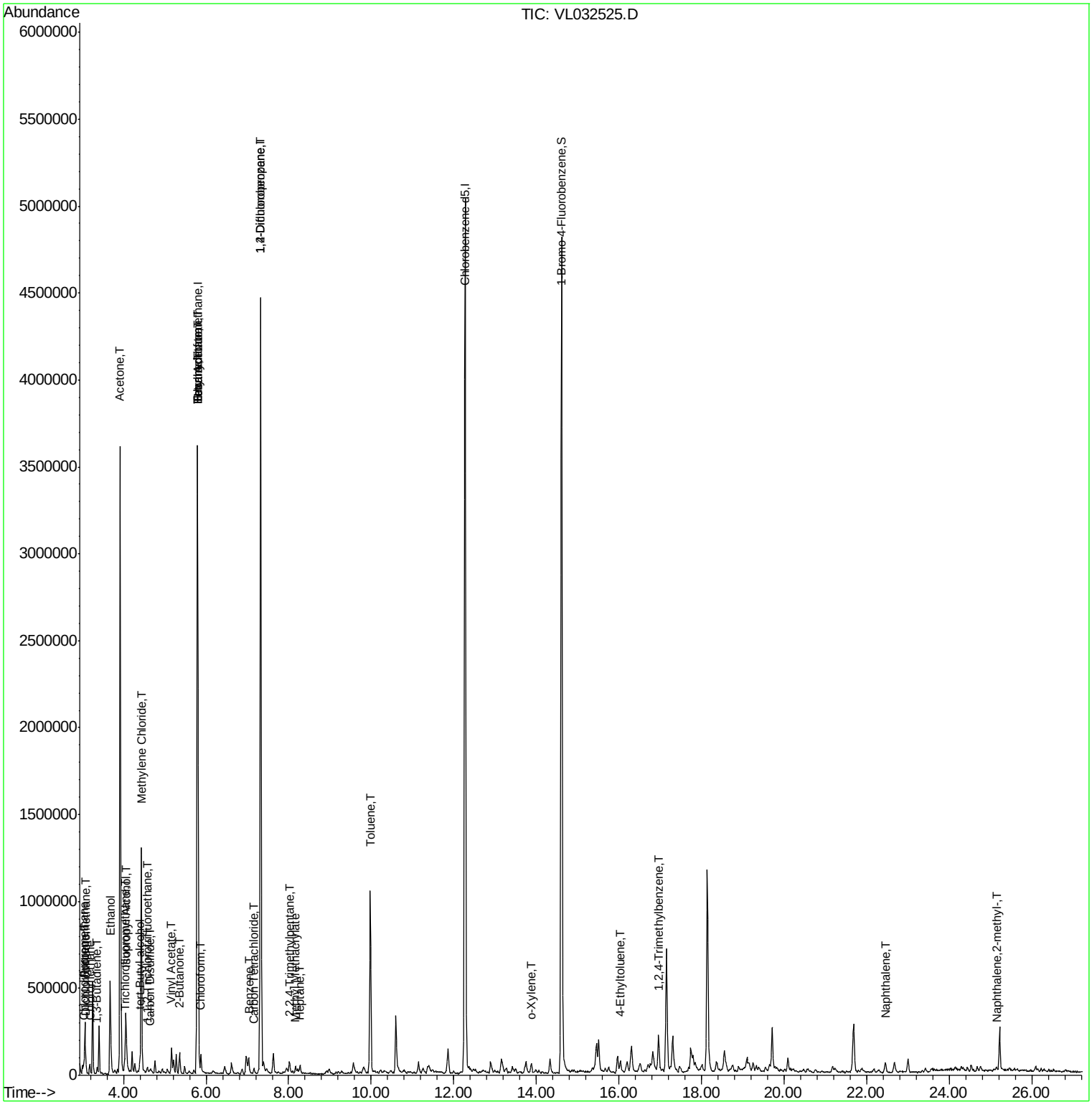
(#) = qualifier out of range (m) = manual integration (+) = signals summed

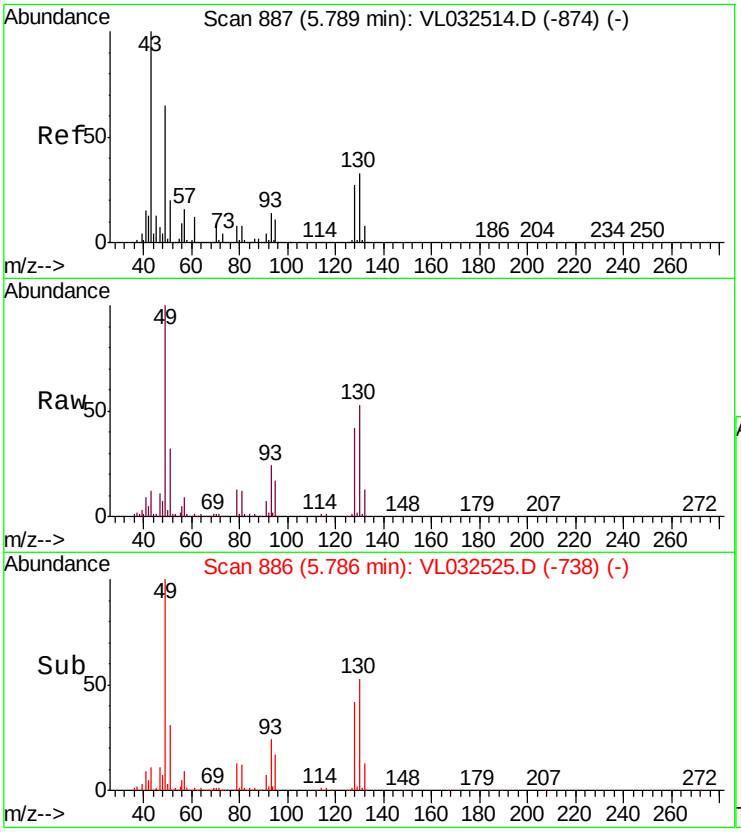
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032525.D
Acq On : 25 Sep 2018 1:39
Operator : SY/AP
Sample : J5039-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INDOOR-AIR

Quant Time: Sep 25 05:35:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration



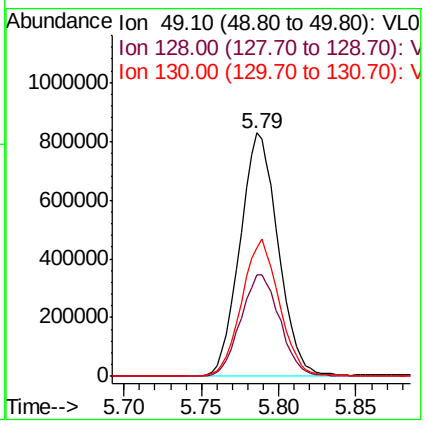


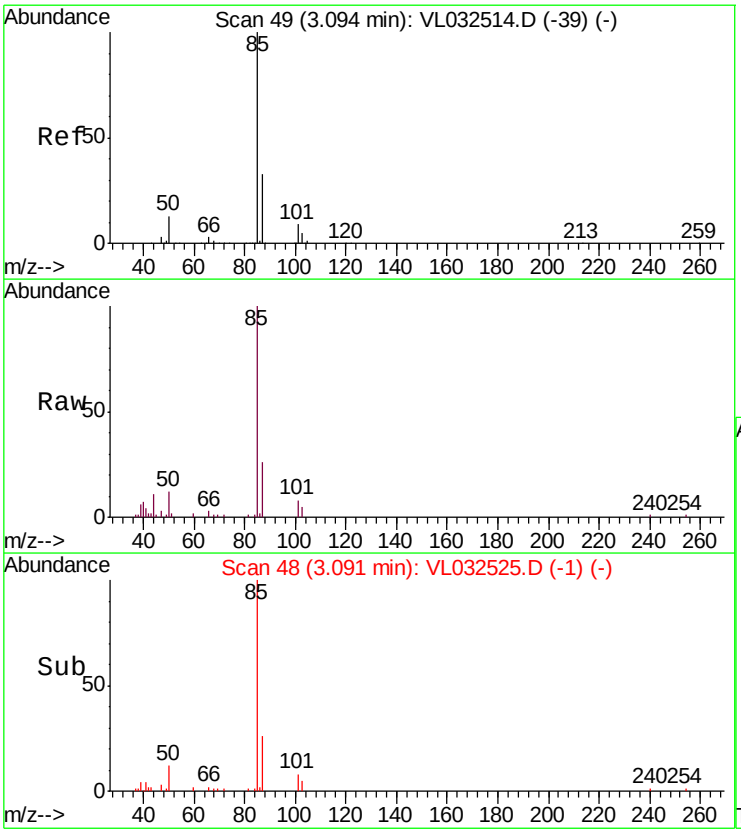
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 49 Resp: 1422635

Ion	Ratio	Lower	Upper
49	100		
128	43.3	20.7	62.1
130	56.3	26.6	79.7

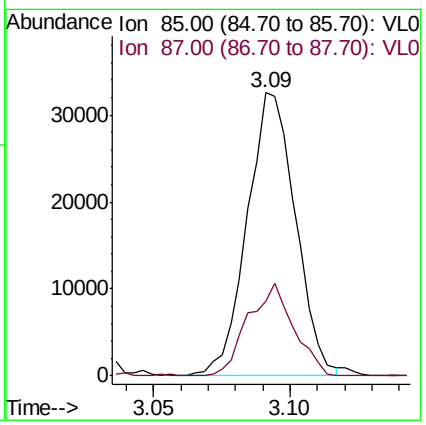


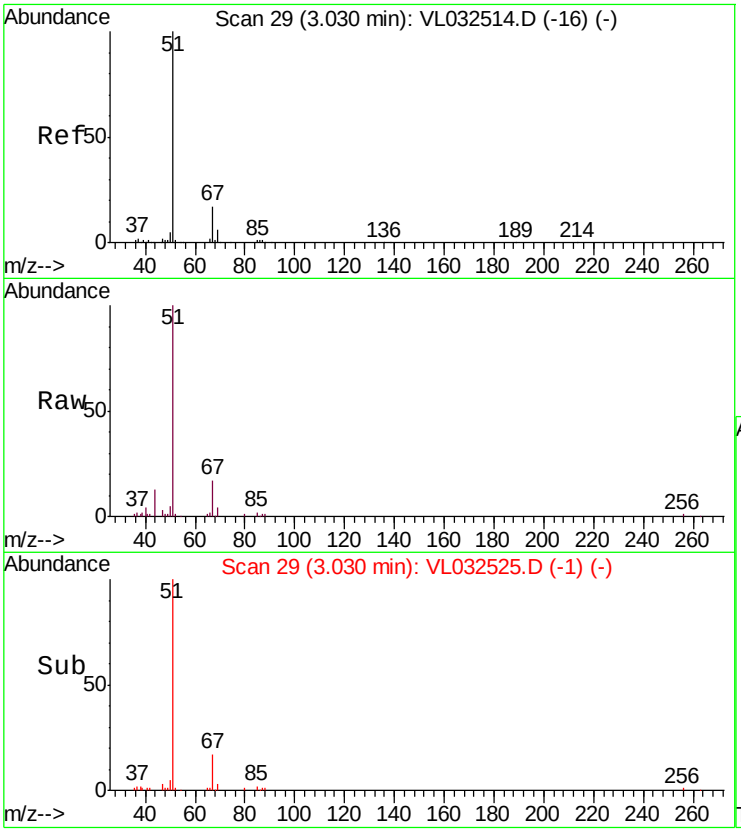


#2
Dichlorodifluoromethane
Concen: 0.304 ppbv
RT: 3.09 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 85 Resp: 39984

Ion	Ratio	Lower	Upper
85	100		
87	26.4	26.2	39.4



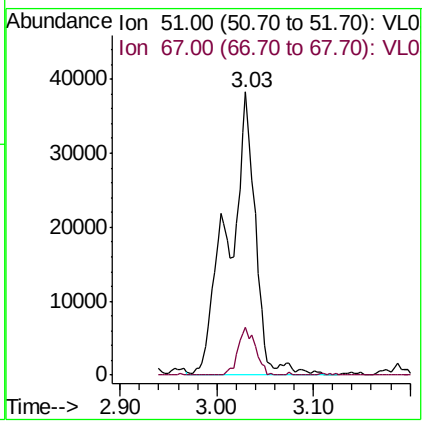


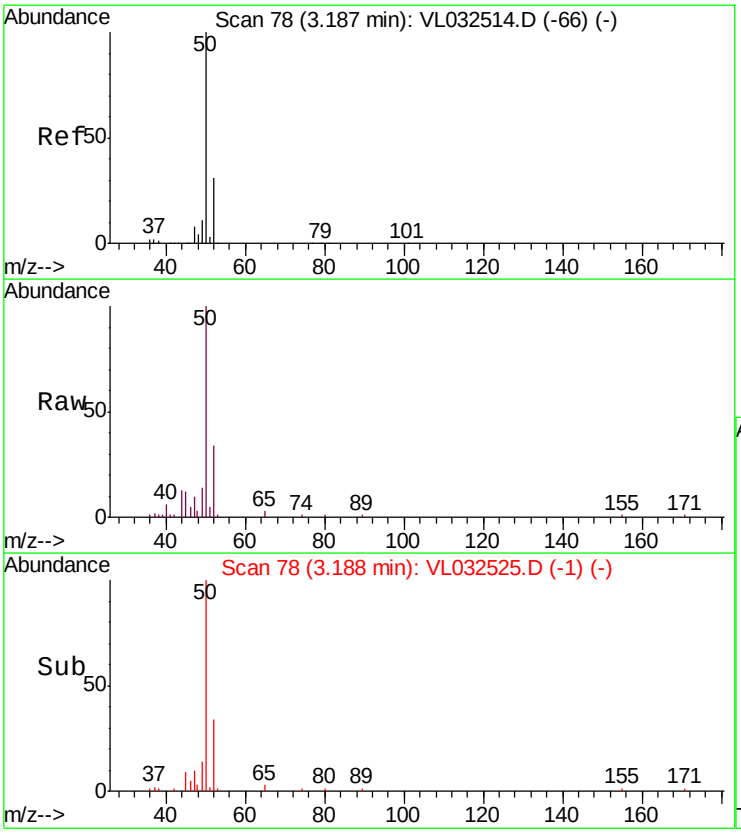
#3
Chlorodifluoromethane
Concen: 0.637 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 51 Resp: 75303

Ion	Ratio	Lower	Upper
51	100		
67	10.7	13.8	20.8#

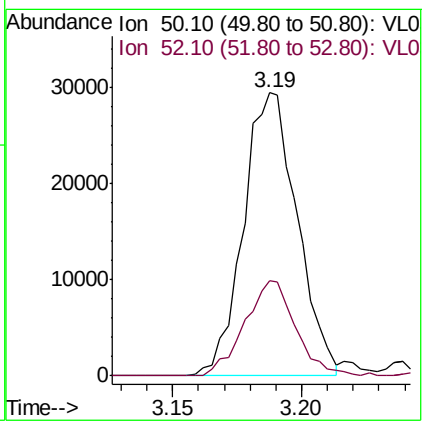


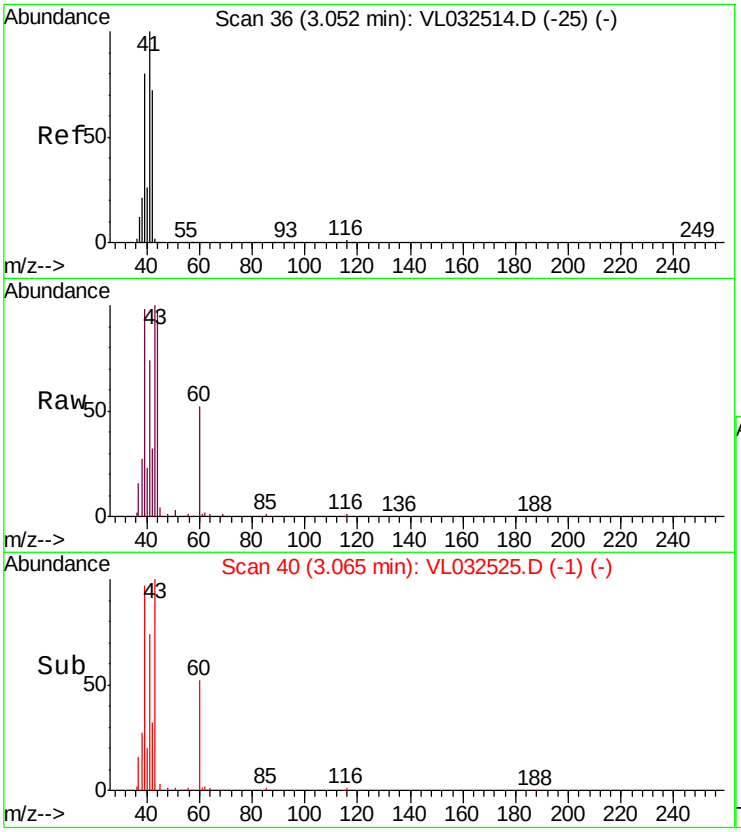


#4
Chloromethane
Concen: 0.622 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 50 Resp: 42896

Ion	Ratio	Lower	Upper
50	100		
52	33.7	25.6	38.4



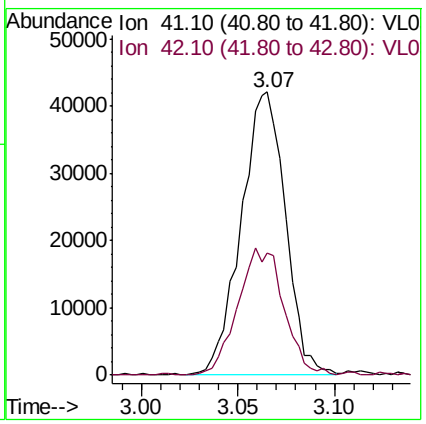


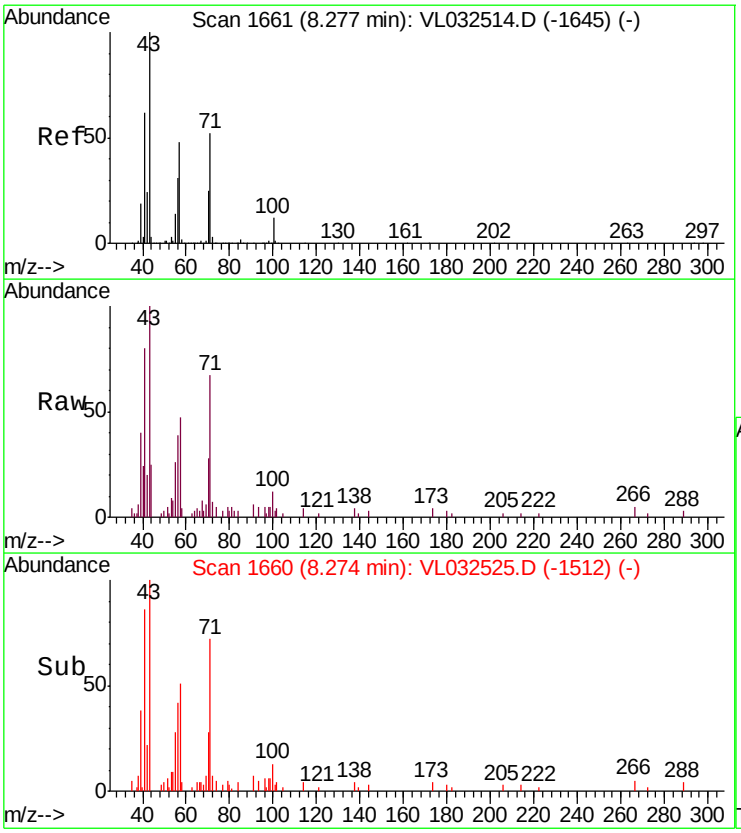
#9
Propene
Concen: 1.313 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 41 Resp: 67404

Ion	Ratio	Lower	Upper
41	100		
42	46.6	56.6	84.8#

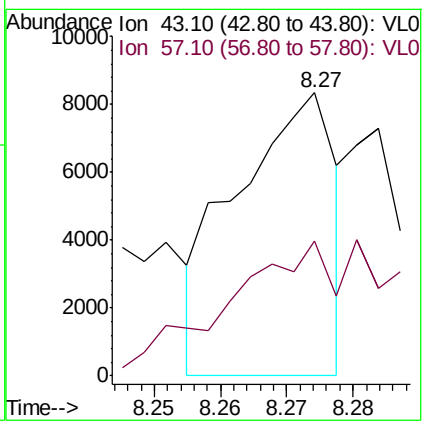


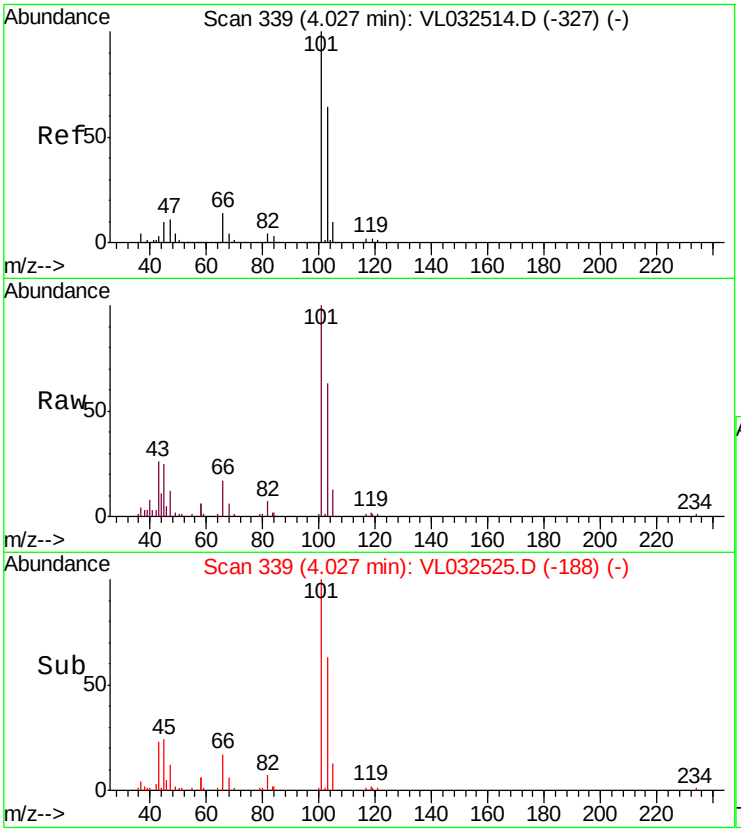


#10
Heptane
Concen: 0.046 ppbv
RT: 8.27 min Scan# 1660
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 43 Resp: 8680

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.6	59.4#



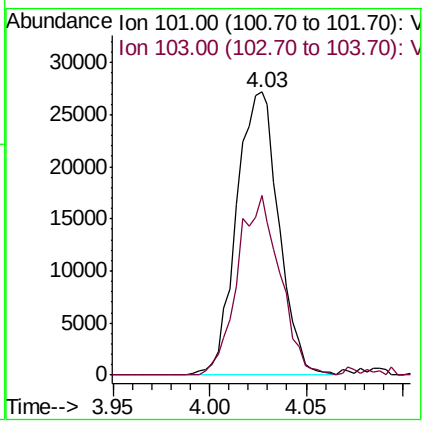


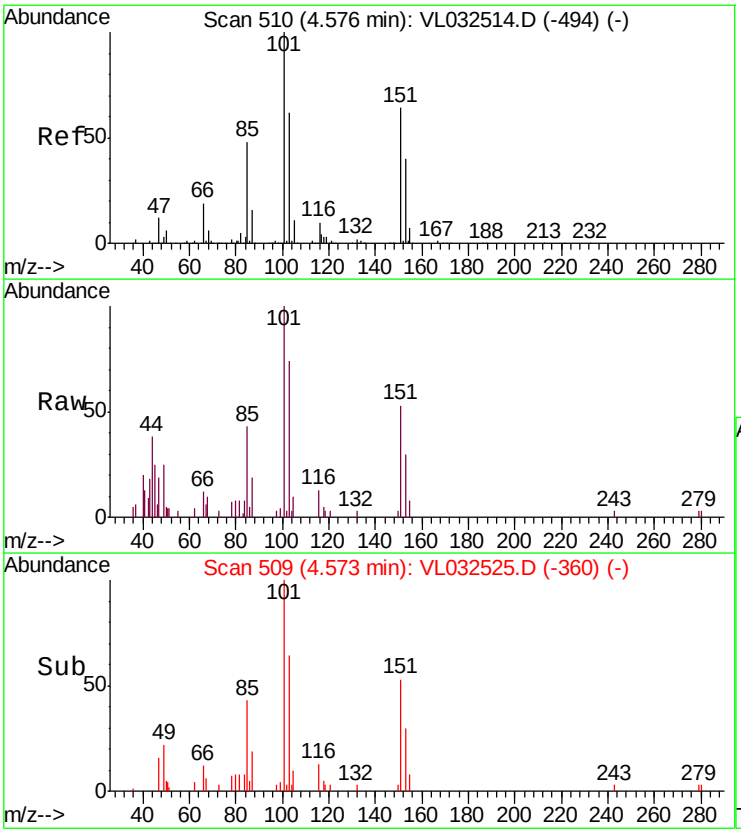
#11
Trichlorofluoromethane
Concen: 0.264 ppbv
RT: 4.03 min Scan# 339
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion:101 Resp: 41268

Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.8	79.2

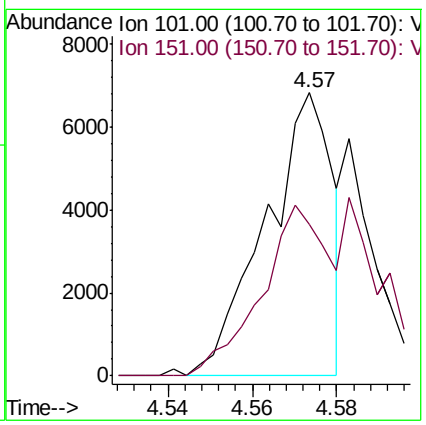


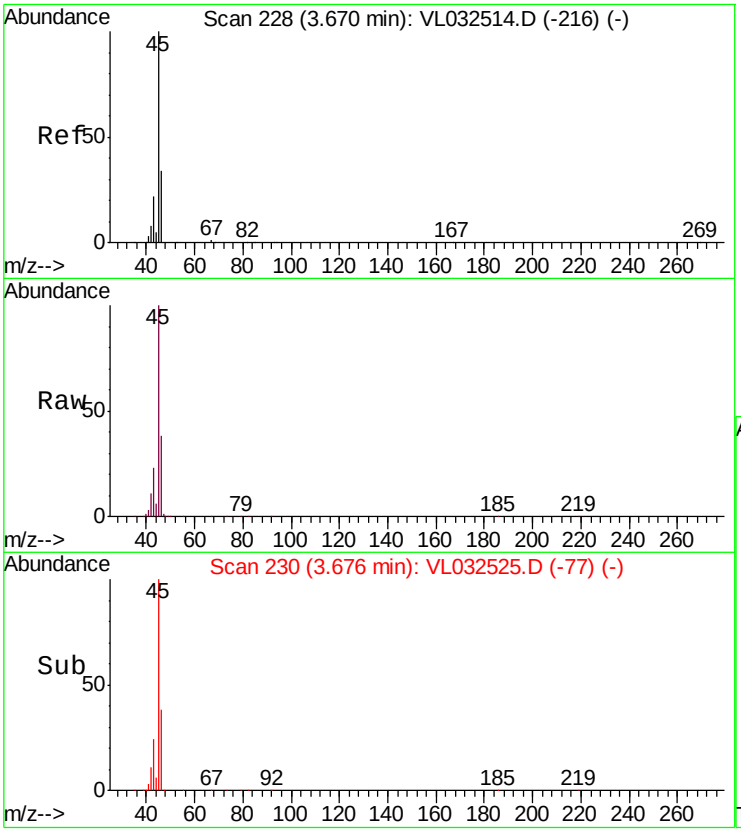


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.058 ppbv
RT: 4.57 min Scan# 509
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion:101 Resp: 7457

Ion	Ratio	Lower	Upper
101	100		
151	0.0	52.6	78.8#



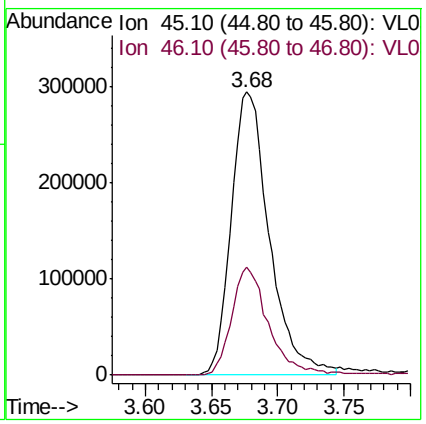


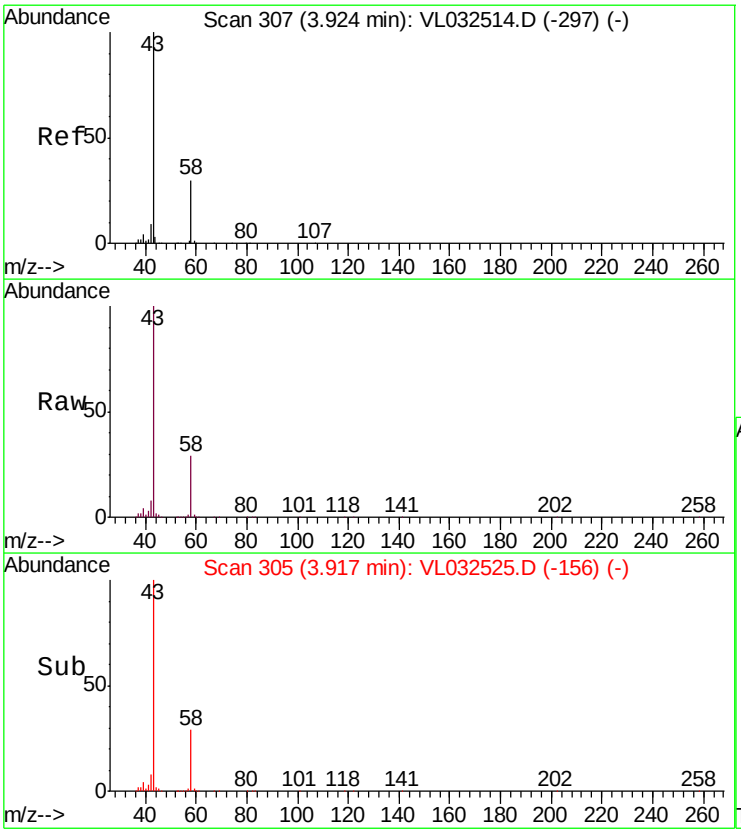
#13
Ethanol
Concen: 38.285 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 45 Resp: 590700

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.2	56.8

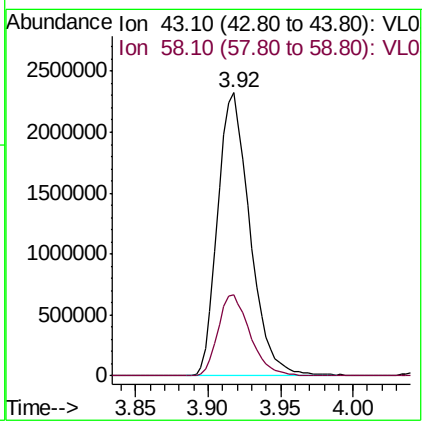


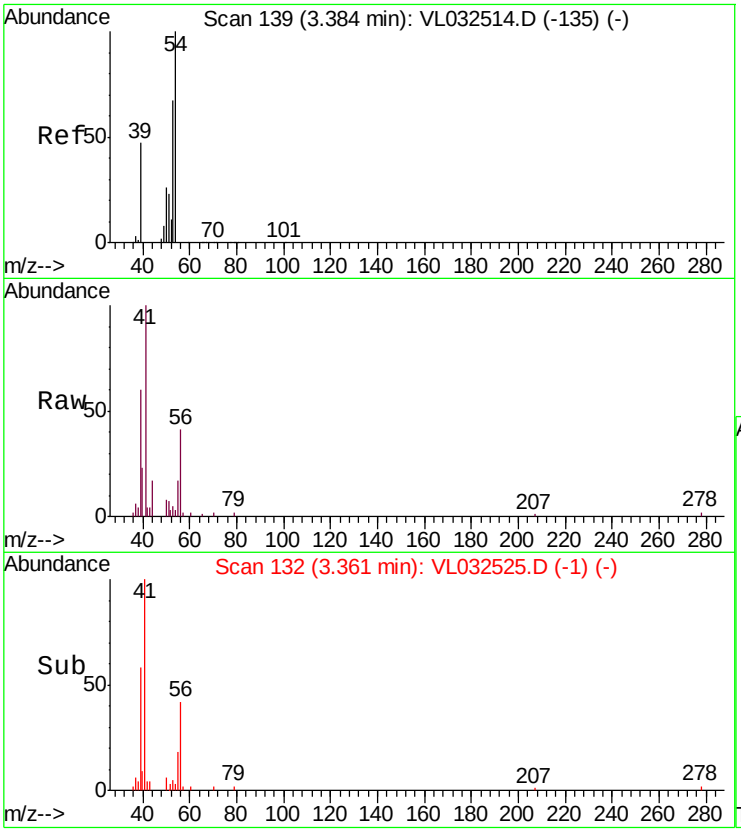


#15
Acetone
Concen: 28.649 ppbv
RT: 3.92 min Scan# 305
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 43 Resp: 3577594

Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.6	33.8



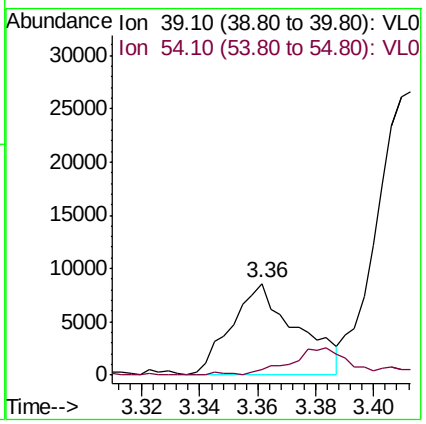


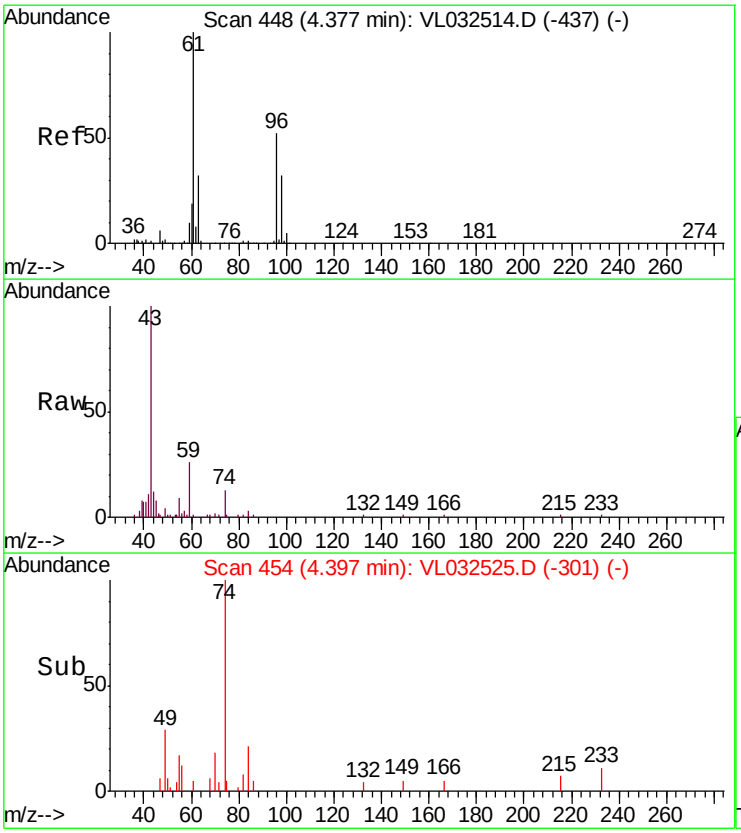
#16
1,3-Butadiene
Concen: 0.266 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.04 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 39 Resp: 13487

Ion	Ratio	Lower	Upper
39	100		
54	33.5	80.8	121.2#

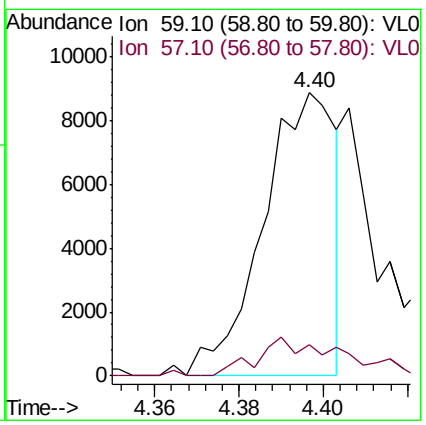


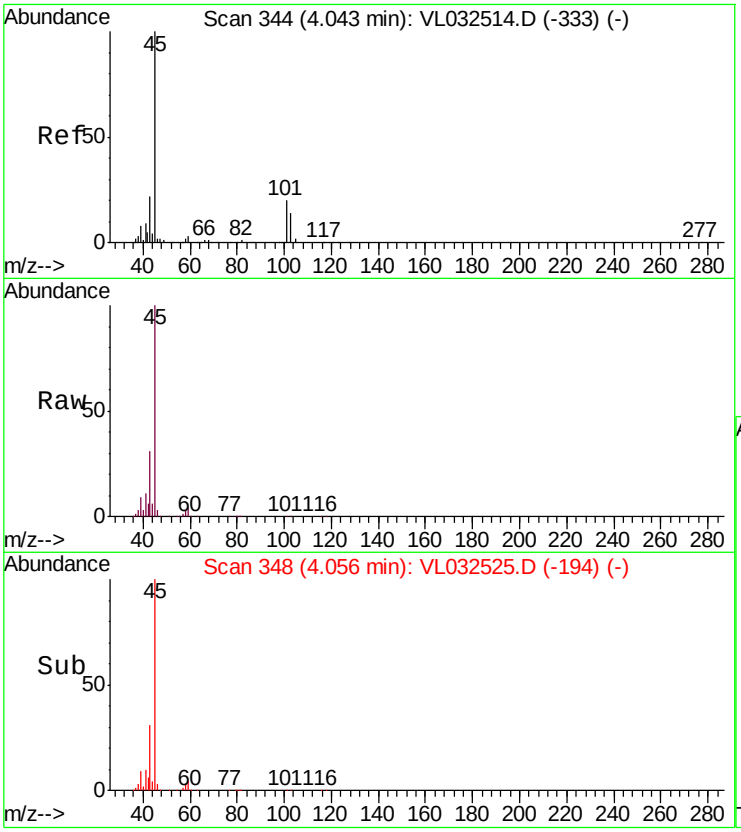


#17
tert-Butyl alcohol
Concen: 0.675 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 59 Resp: 10597

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



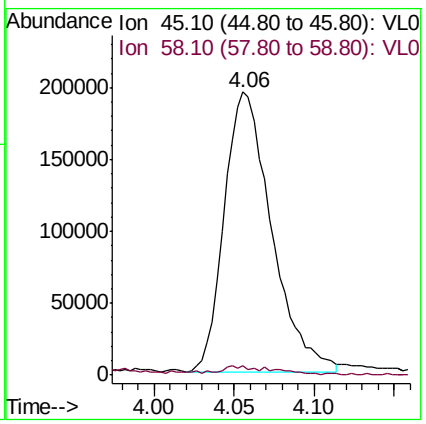


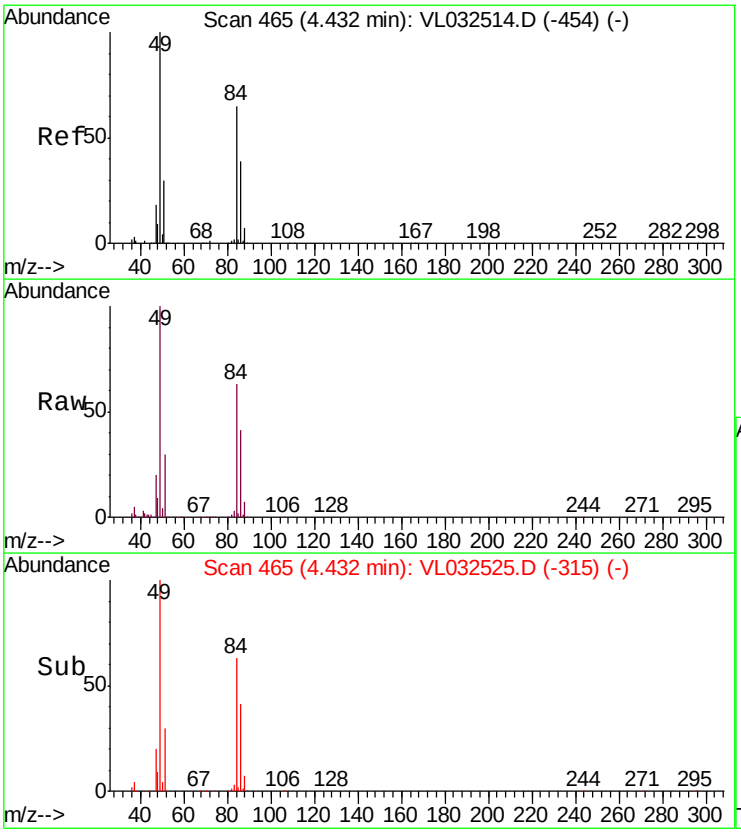
#19
Isopropyl Alcohol
Concen: 4.528 ppbv
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 45 Resp: 393839

Ion	Ratio	Lower	Upper
45	100		
58	260.6	2.0	3.0#

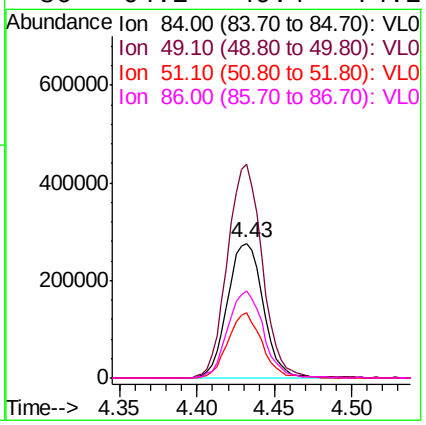


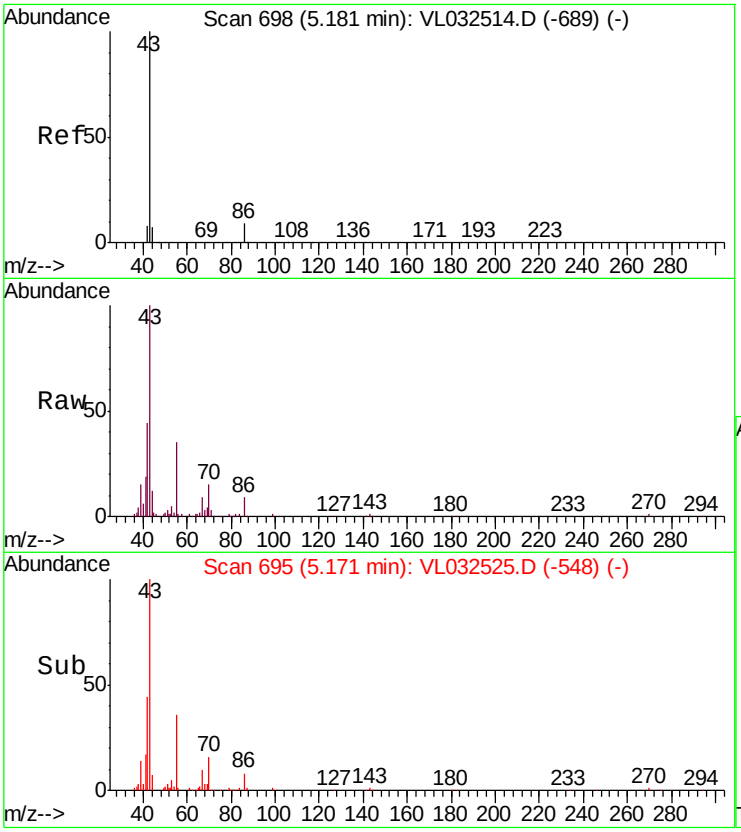


#20
Methylene Chloride
Concen: 7.338 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 84 Resp: 443764

Ion	Ratio	Lower	Upper
84	100		
49	158.0	119.1	178.7
51	47.9	35.2	52.8
86	64.2	49.4	74.2



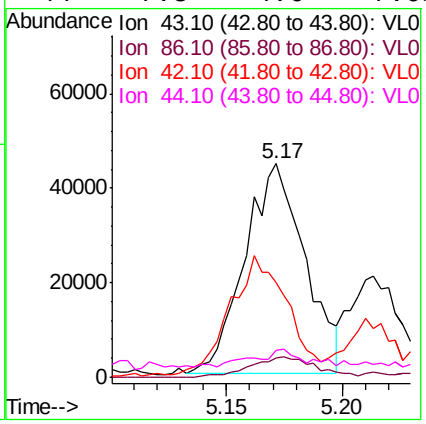


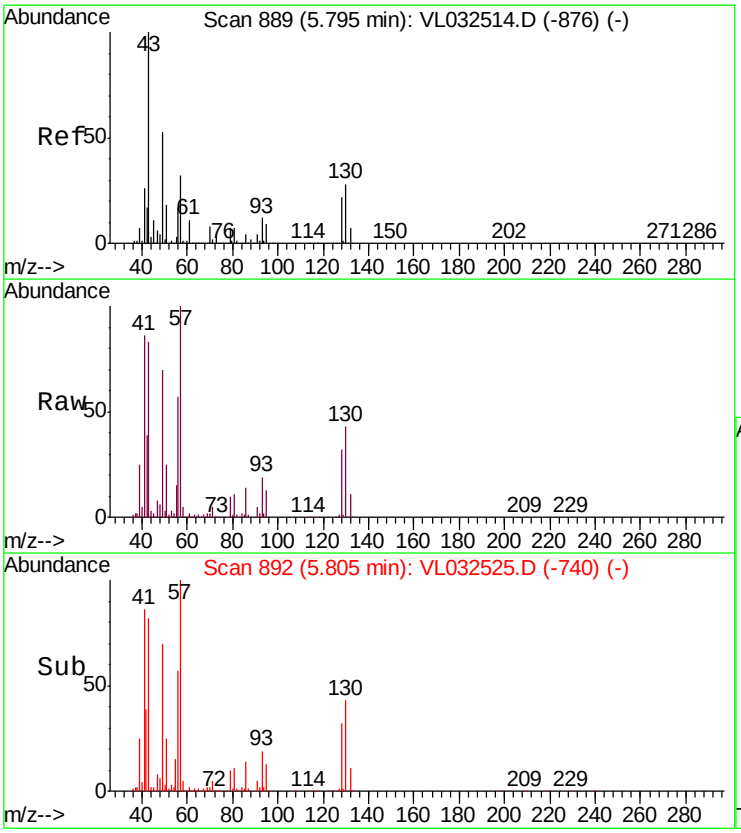
#23
Vinyl Acetate
Concen: 0.362 ppbv
RT: 5.17 min Scan# 695
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument : MSVOA_L
ClientSampleId : INDOOR-AIR

Tgt Ion: 43 Resp: 79820

Ion	Ratio	Lower	Upper
43	100		
86	8.9	5.9	8.9
42	41.6	6.9	10.3#
44	7.3	4.6	7.0#

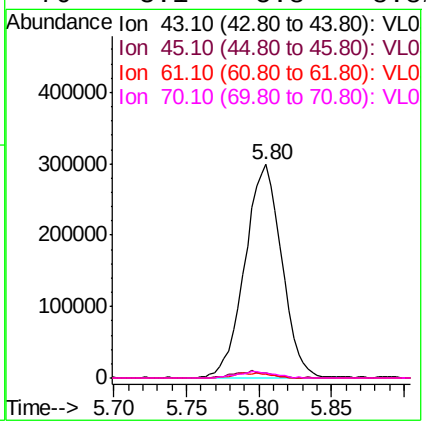


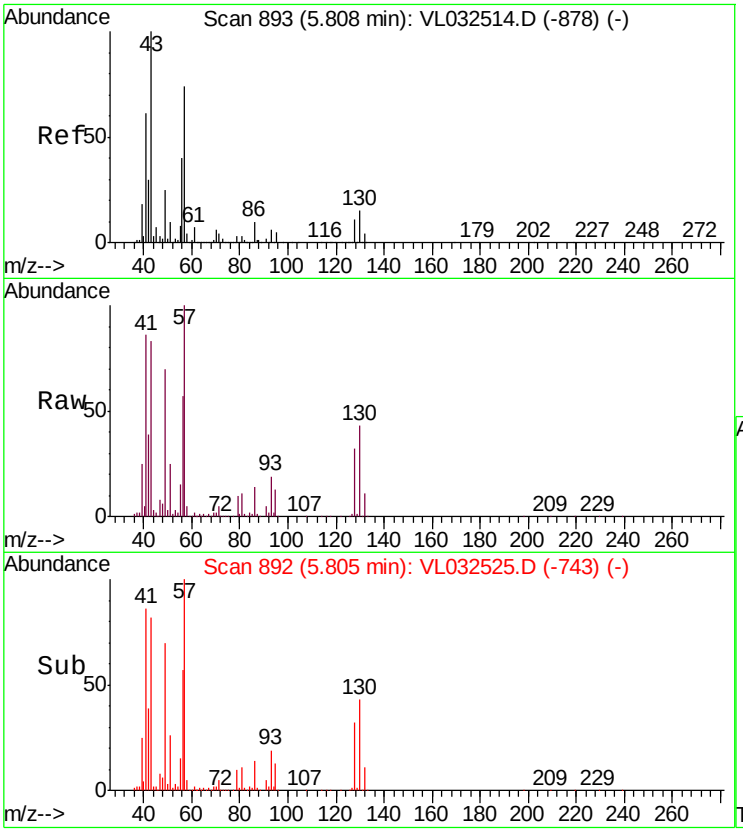


#25
Ethyl Acetate
Concen: 1.739 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 43 Resp: 526989

Ion	Ratio	Lower	Upper
43	100		
45	3.3	8.0	12.0#
61	2.5	7.6	11.4#
70	3.1	5.8	8.8#



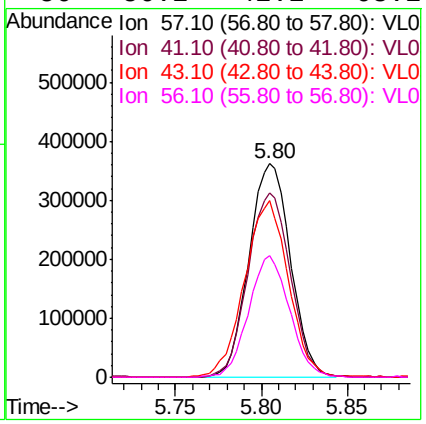


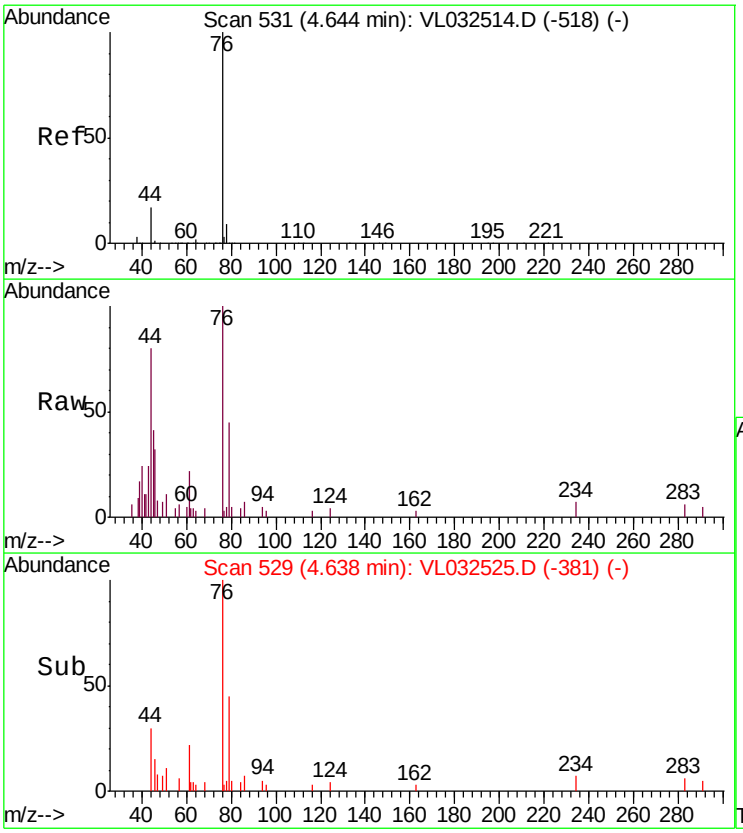
#26
Hexane
Concen: 4.429 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument : MSVOA_L
ClientSampleId : INDOOR-AIR

Tgt Ion: 57 Resp: 606132

Ion	Ratio	Lower	Upper
57	100		
41	89.1	69.0	103.4
43	87.2	172.1	258.1#
56	56.2	42.2	63.2

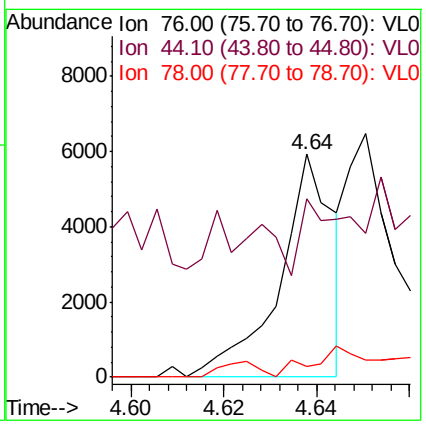


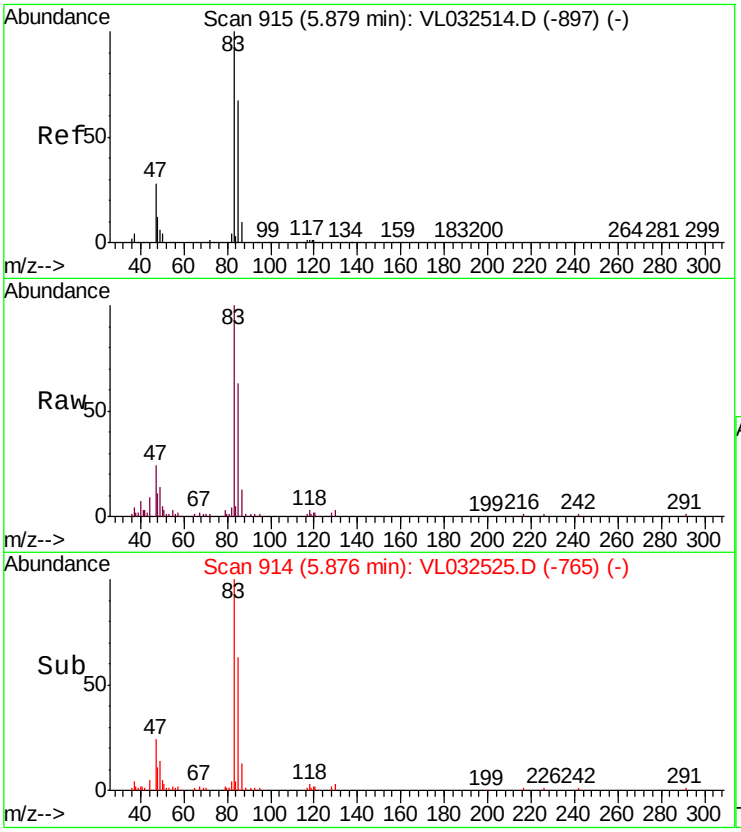


#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 4.64 min Scan# 529
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 76 Resp: 4751

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.0	21.0#
78	29.2	7.5	11.3#



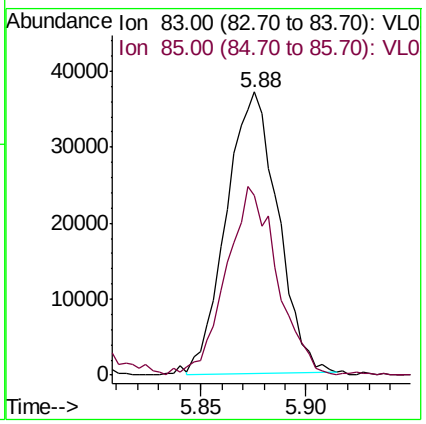


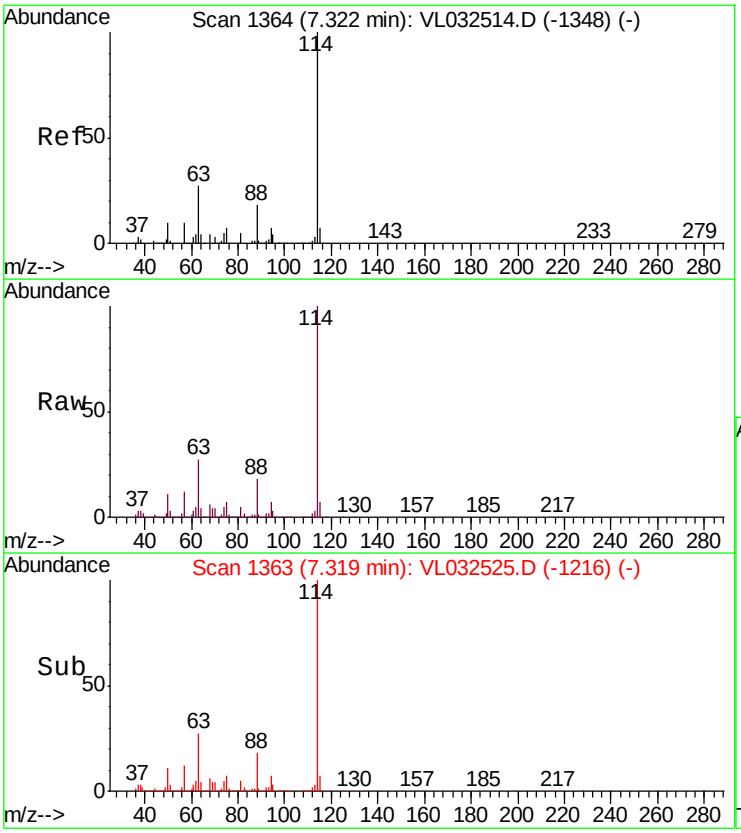
#29
Chloroform
Concen: 0.298 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument : MSVOA_L
ClientSampleId : INDOOR-AIR

Tgt Ion: 83 Resp: 62607

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7

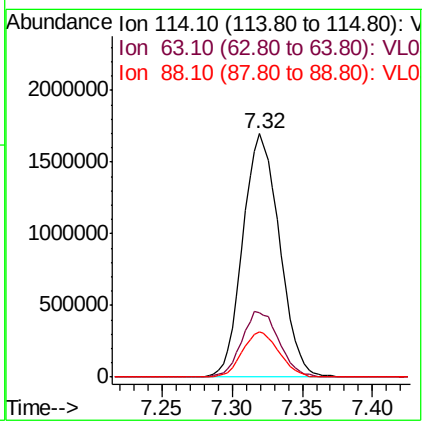


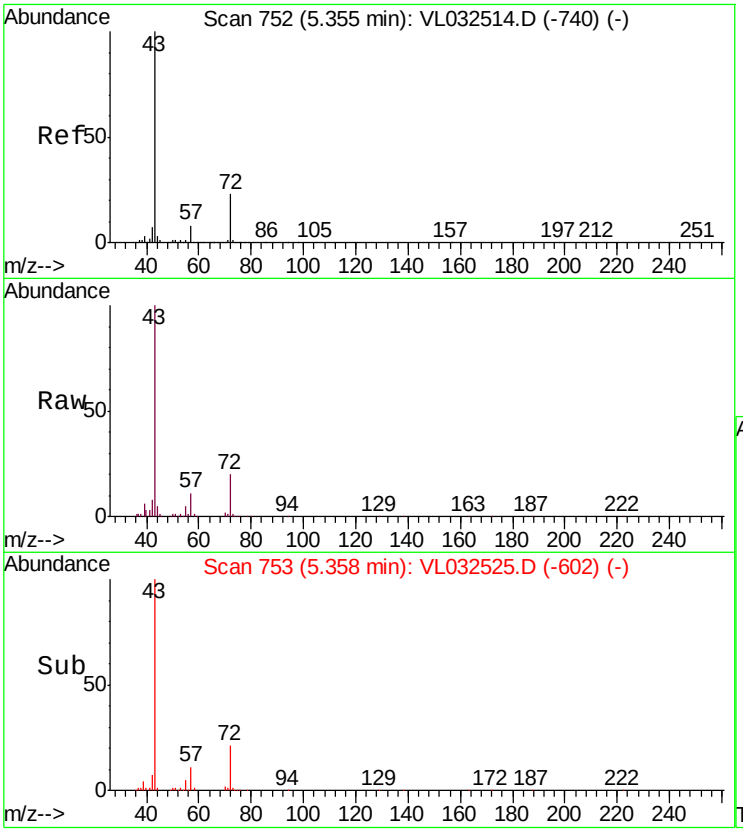


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion:114 Resp: 3096536

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.6	15.0	22.4



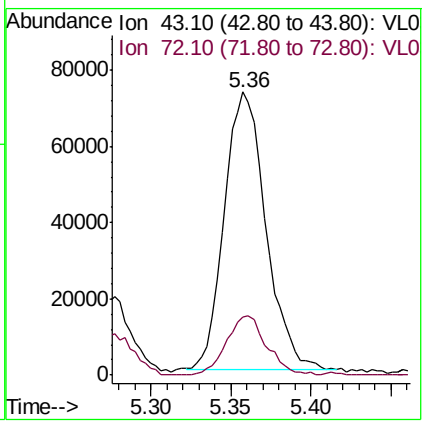


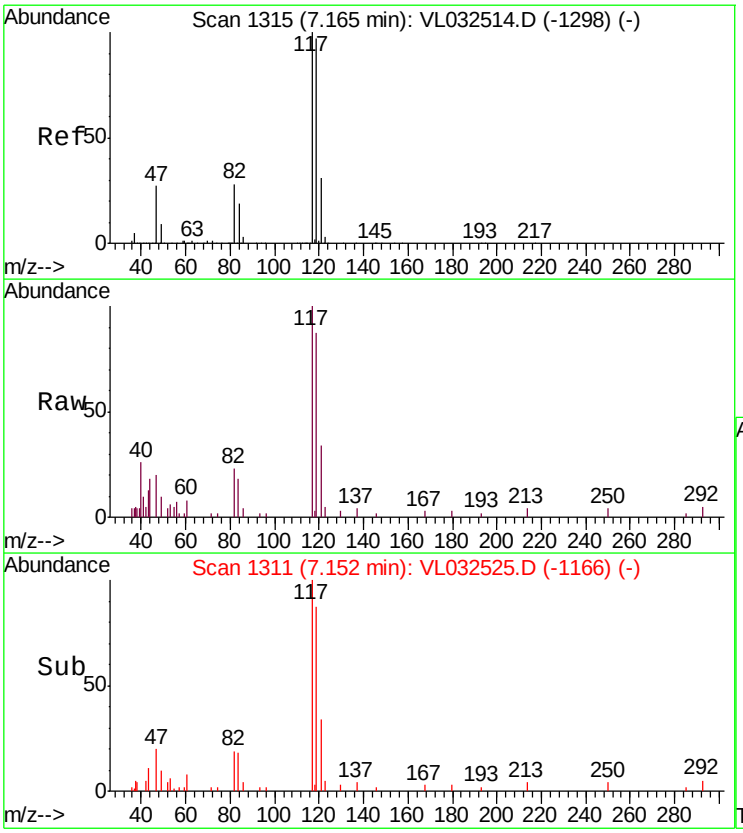
#34
2-Butanone
Concen: 0.699 ppbv
RT: 5.36 min Scan# 753
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 43 Resp: 128934

Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.8	26.6

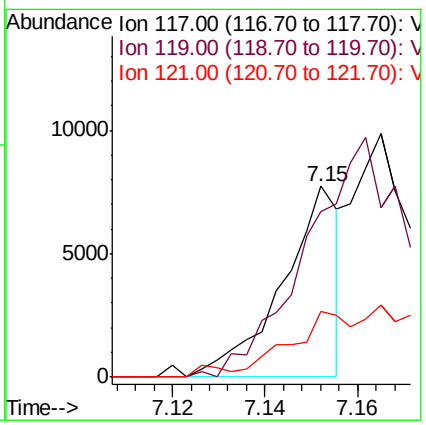


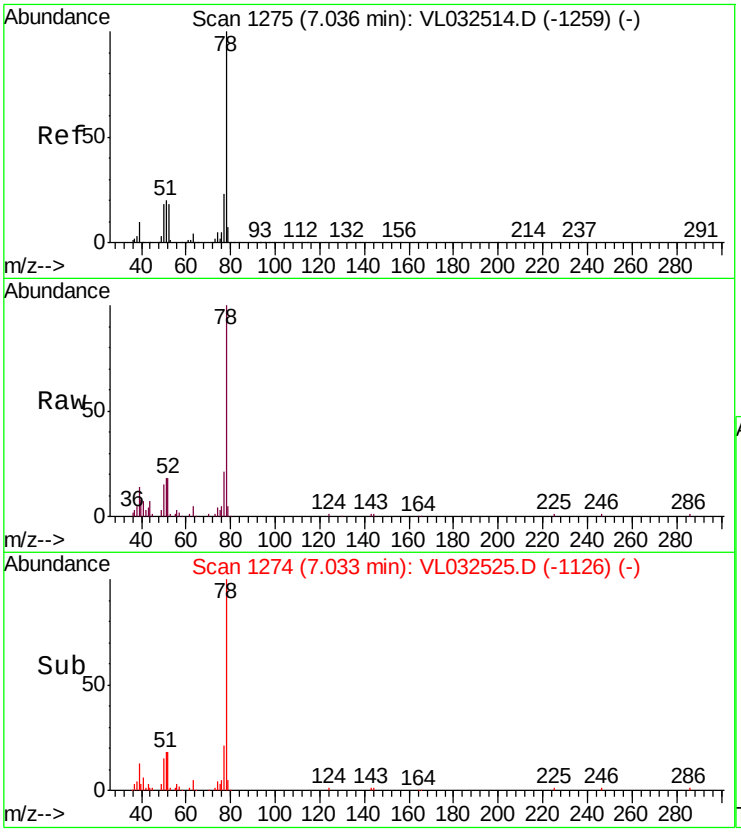


#35
Carbon Tetrachloride
Concen: 0.030 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion:117 Resp: 6508

Ion	Ratio	Lower	Upper
117	100		
119	87.1	76.6	115.0
121	34.3	24.6	36.8



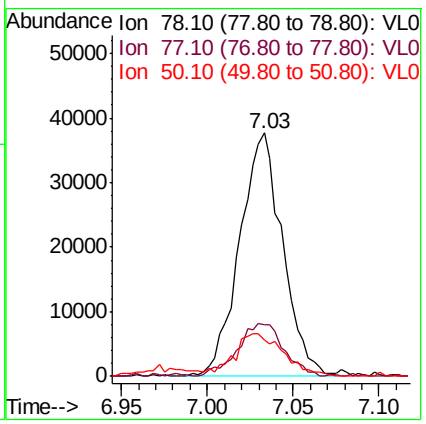


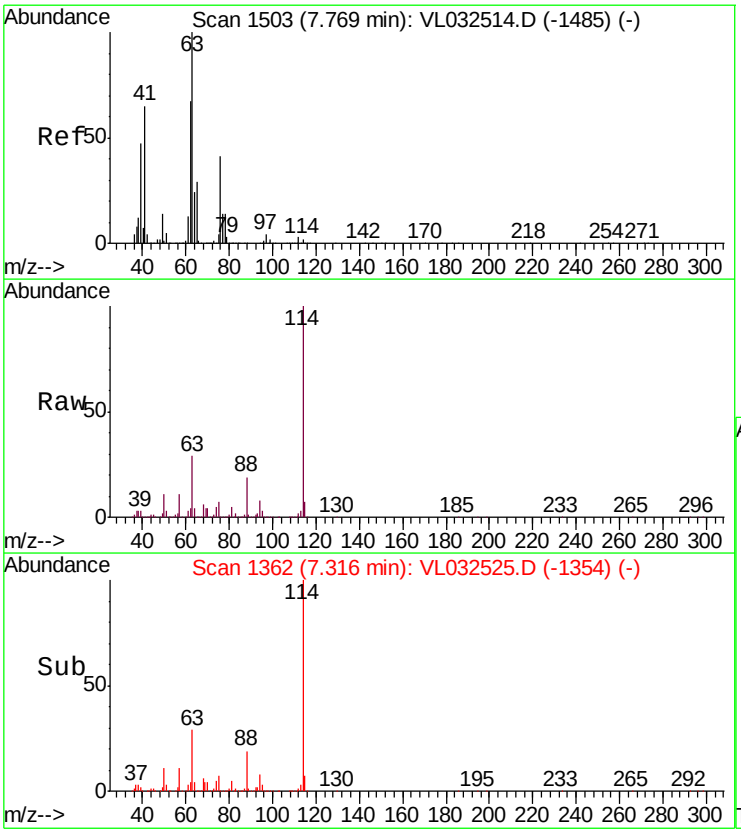
#36
Benzene
Concen: 0.261 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 78 Resp: 65374

Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.4	27.6
50	15.2	14.4	21.6

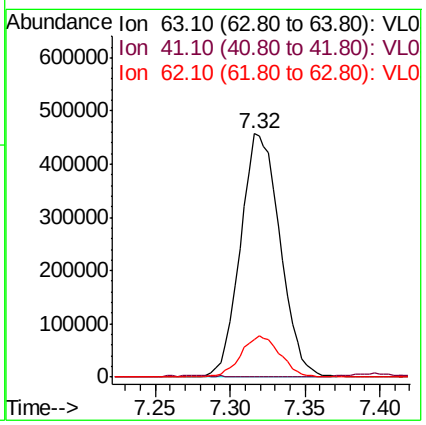


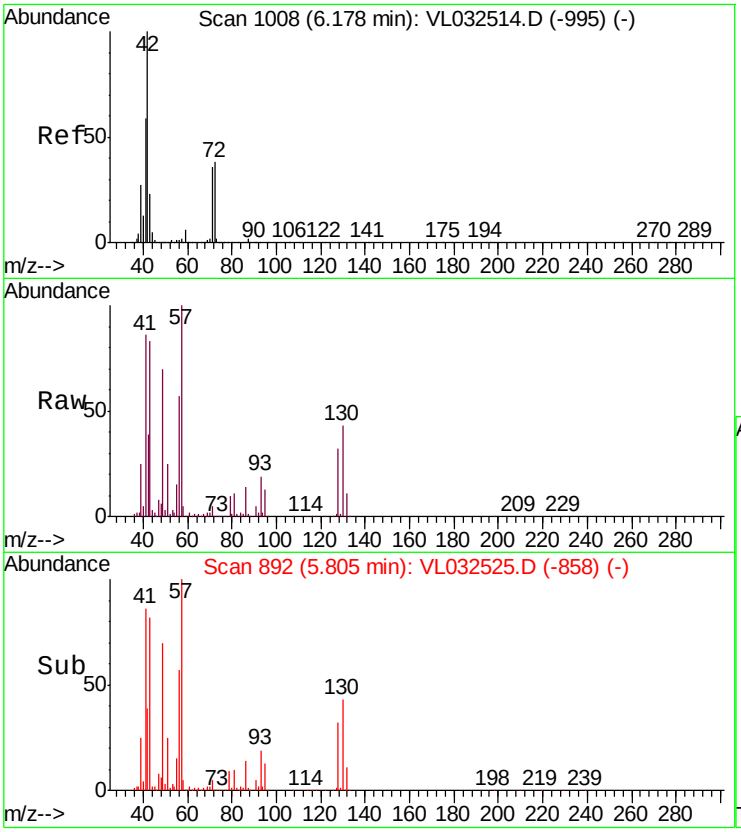


#39
1,2-Dichloropropane
Concen: 7.478 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.47 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 63 Resp: 843350

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	15.3	55.4	83.0#



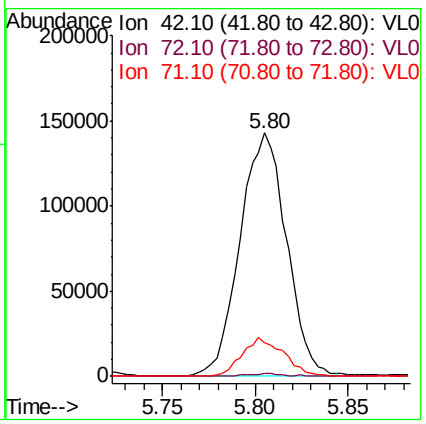


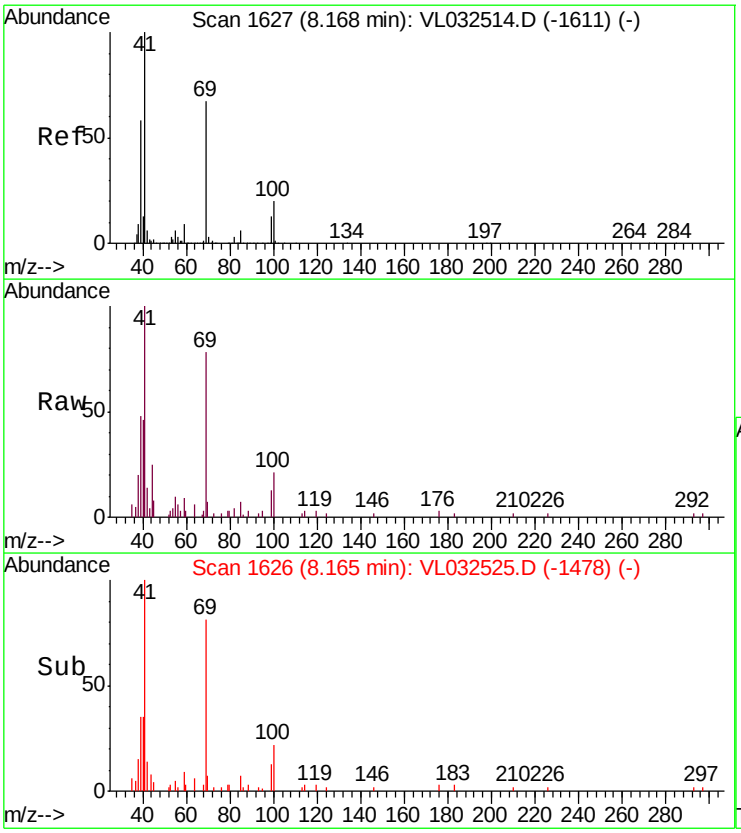
#41
Tetrahydrofuran
Concen: 2.478 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.39 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument : MSVOA_L
ClientSampleId : INDOOR-AIR

Tgt Ion: 42 Resp: 248217

Ion	Ratio	Lower	Upper
42	100		
72	1.0	29.5	44.3#
71	14.6	28.3	42.5#

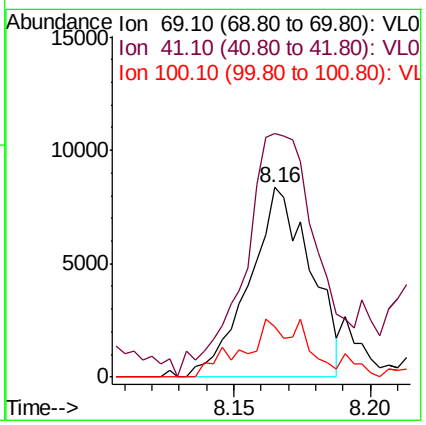


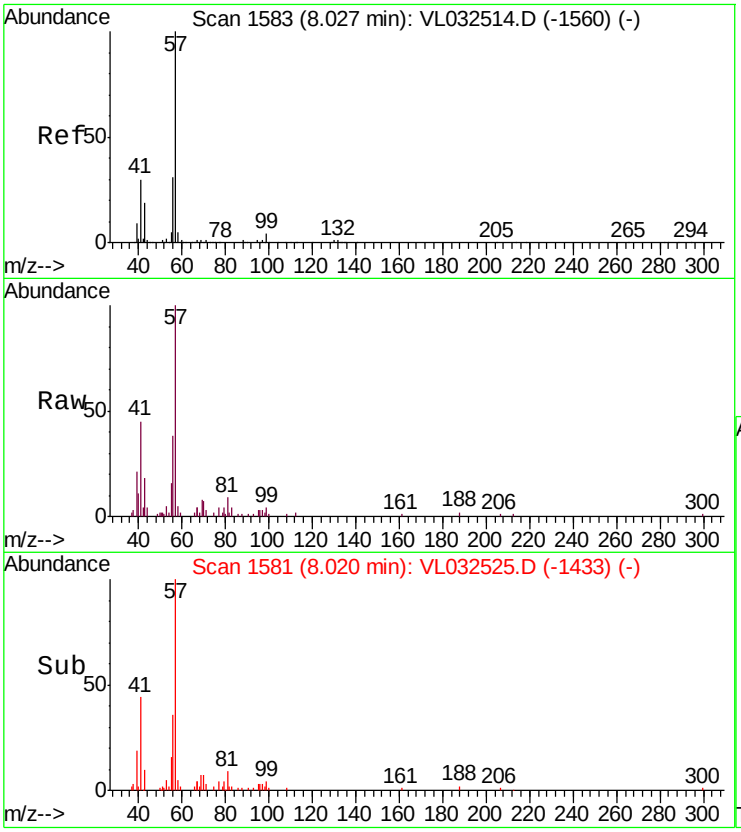


#43
Methyl Methacrylate
Concen: 0.125 ppbv
RT: 8.16 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 69 Resp: 13075

Ion	Ratio	Lower	Upper
69	100		
41	160.0	117.1	175.7
100	36.3	23.4	35.2#



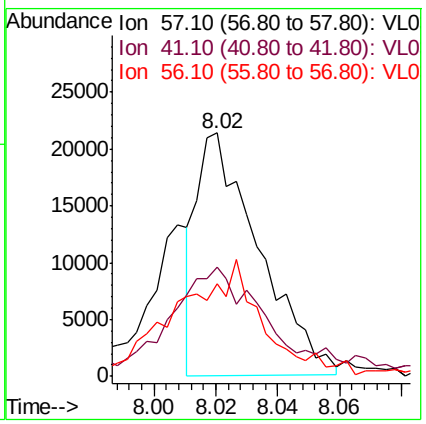


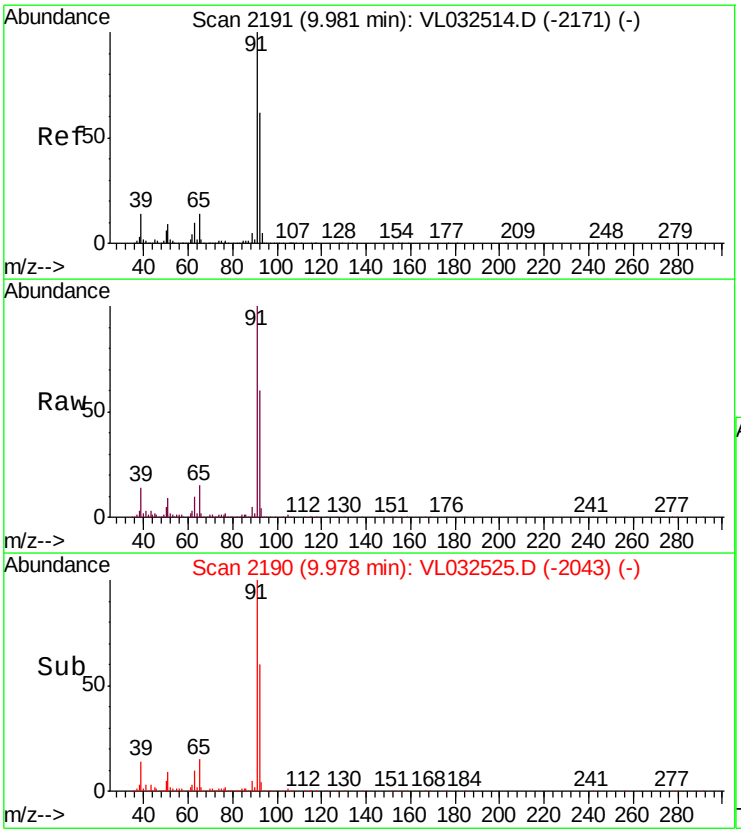
#44
2,2,4-Trimethylpentane
Concen: 0.061 ppbv
RT: 8.02 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument : MSVOA_L
ClientSampleId : INDOOR-AIR

Tgt Ion: 57 Resp: 29625

Ion	Ratio	Lower	Upper
57	100		
41	72.5	24.4	36.6#
56	66.9	25.7	38.5#

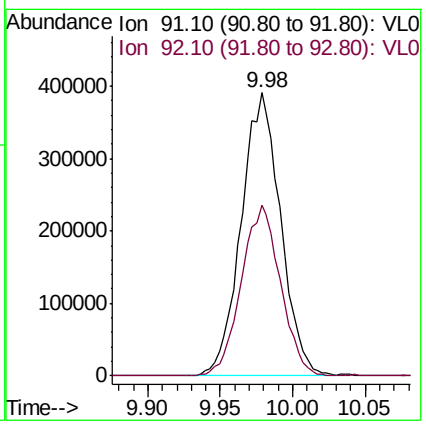


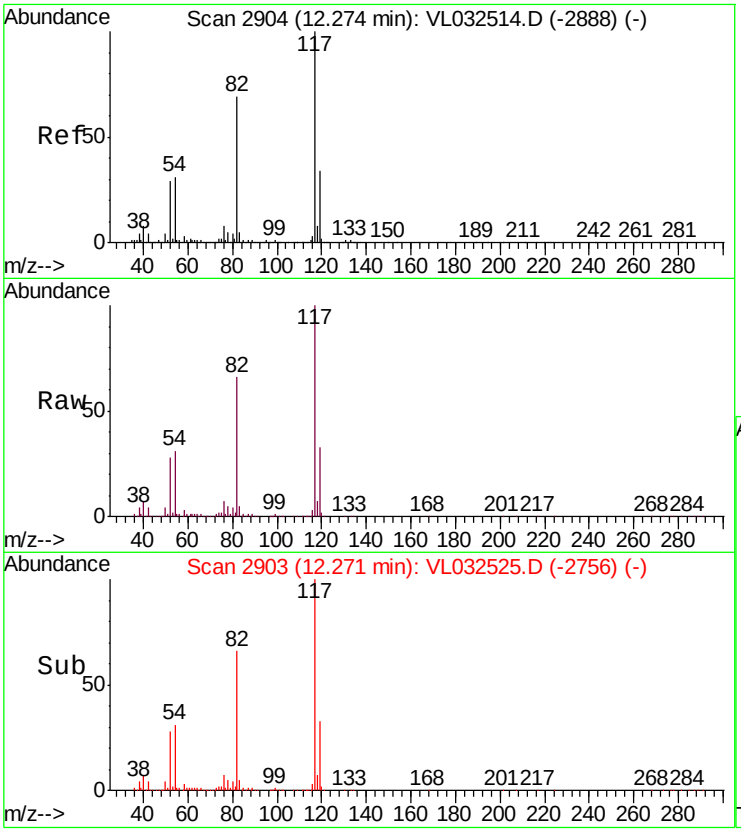


#53
Toluene
Concen: 2.417 ppbv
RT: 9.98 min Scan# 2190
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 91 Resp: 737064

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.1	72.1



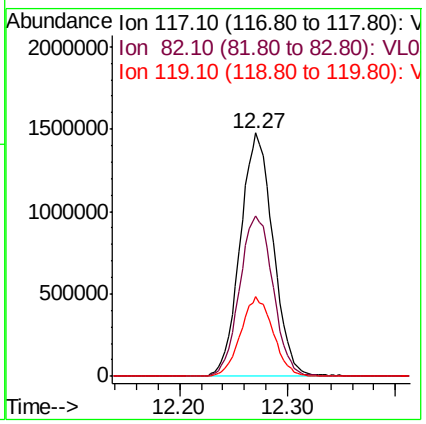


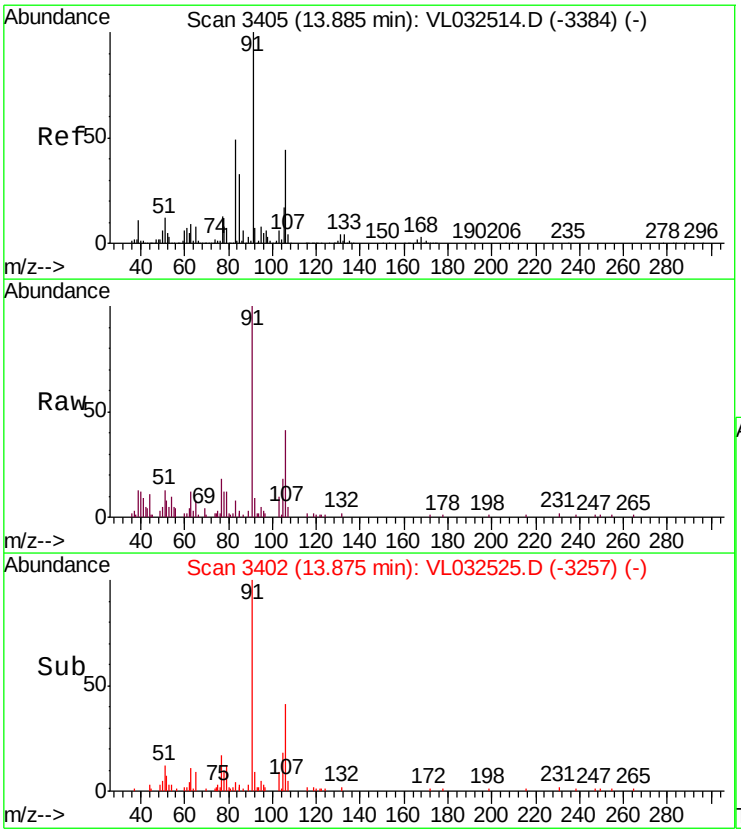
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion:117 Resp: 3125399

Ion	Ratio	Lower	Upper
117	100		
82	67.7	53.0	79.6
119	32.4	45.9	68.9#

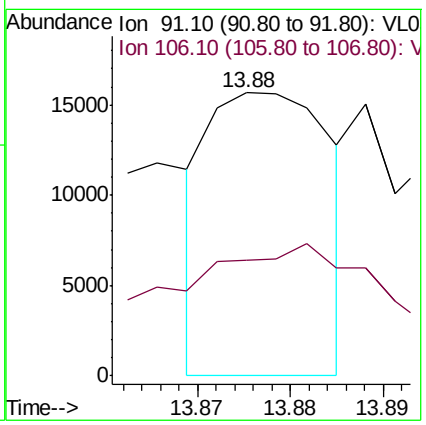


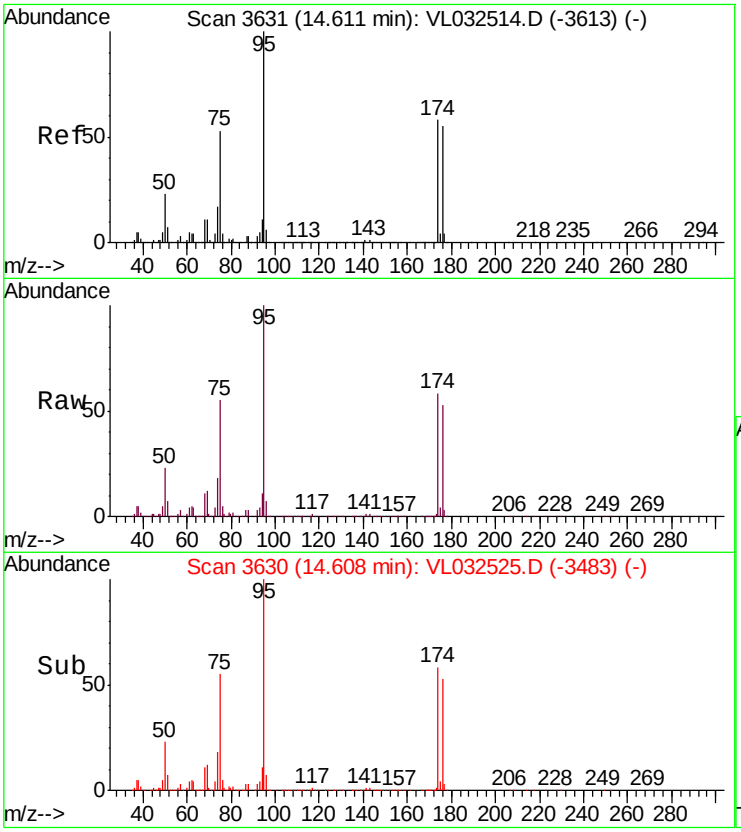


#60
o-Xylene
Concen: 0.043 ppbv
RT: 13.88 min Scan# 3402
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion: 91 Resp: 14230

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.7#



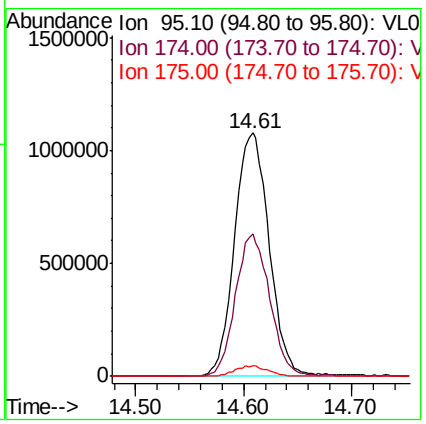


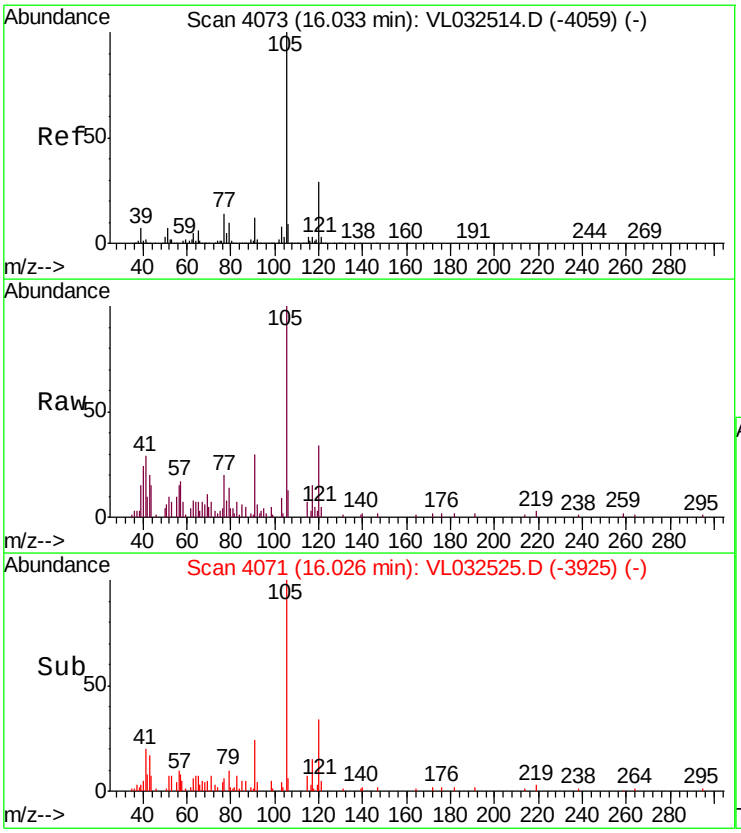
#68
1-Bromo-4-Fluorobenzene
Concen: 10.215 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion: 95 Resp: 2407692

Ion	Ratio	Lower	Upper
95	100		
174	58.5	46.3	69.5
175	4.1	3.4	5.0

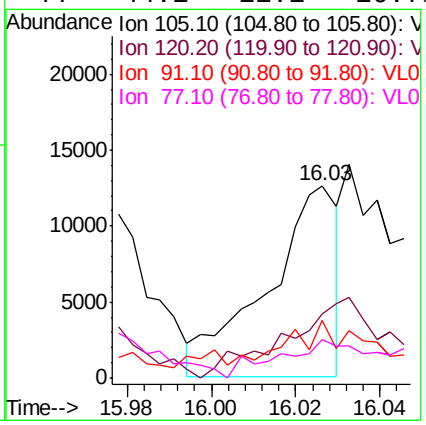


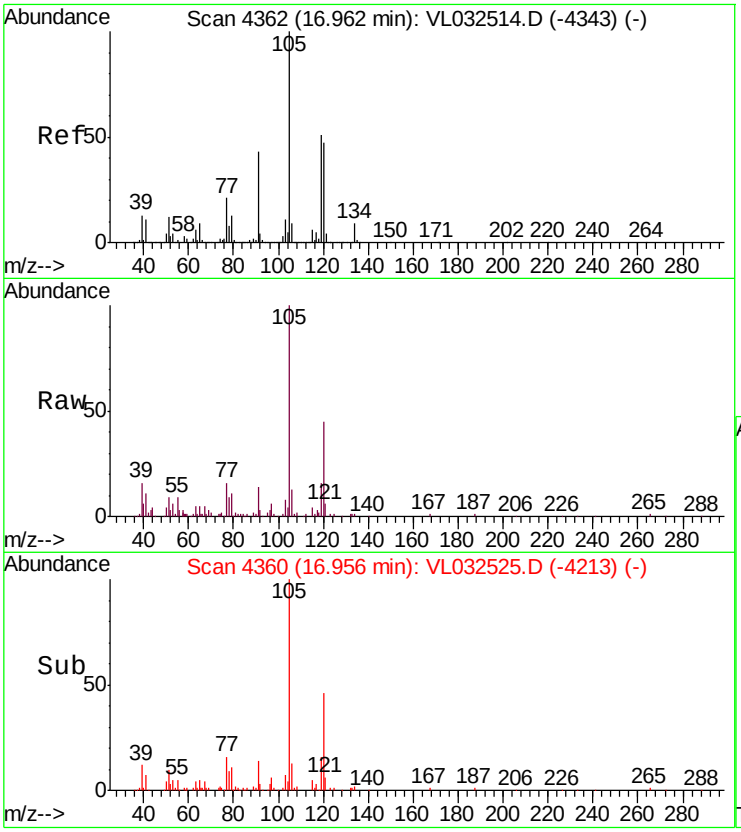


#72
4-Ethyltoluene
Concen: 0.041 ppbv
RT: 16.03 min Scan# 4071
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion:105 Resp: 14535

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.5	35.3#
91	53.5	10.2	15.2#
77	44.1	11.1	16.7#



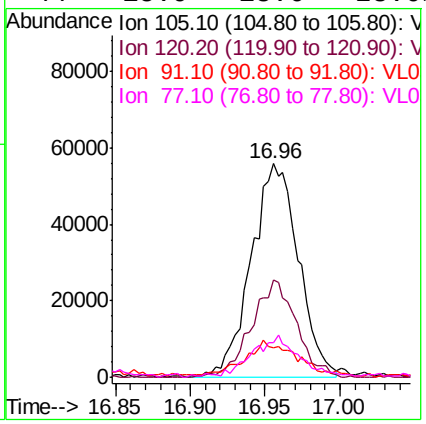


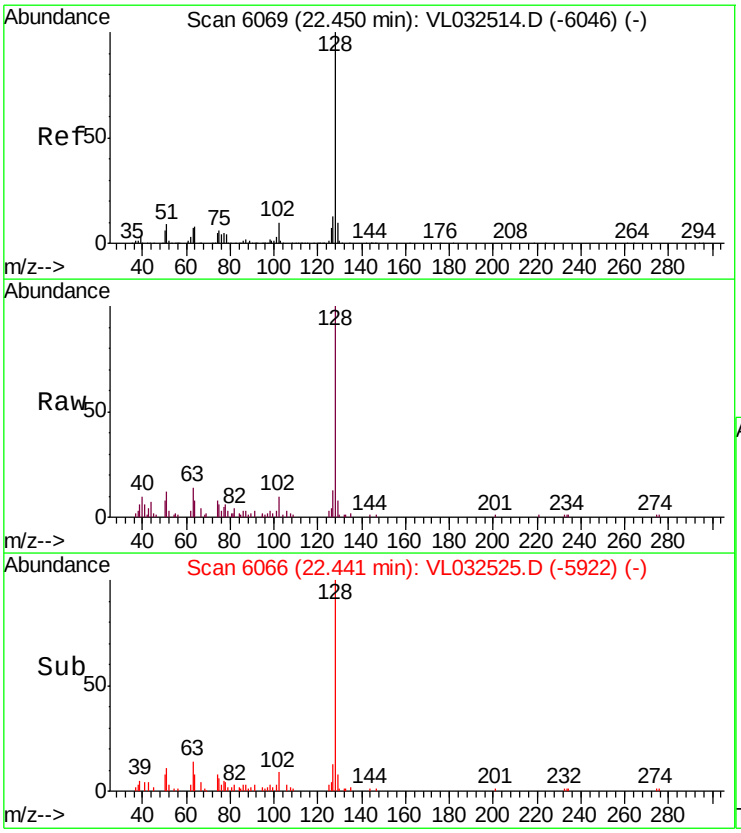
#74
1,2,4-Trimethylbenzene
Concen: 0.329 ppbv
RT: 16.96 min Scan# 4360
Delta R.T. -0.03 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion:105 Resp: 122624

Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.8	56.8
91	12.0	41.4	62.0#
77	15.9	18.6	28.0#

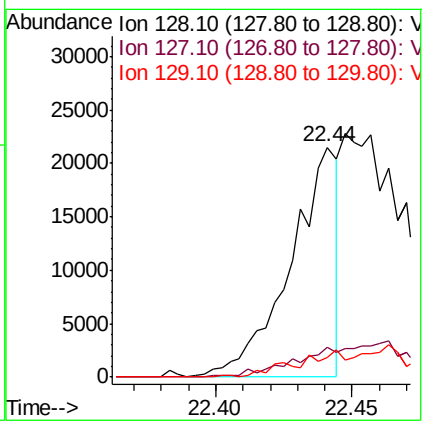


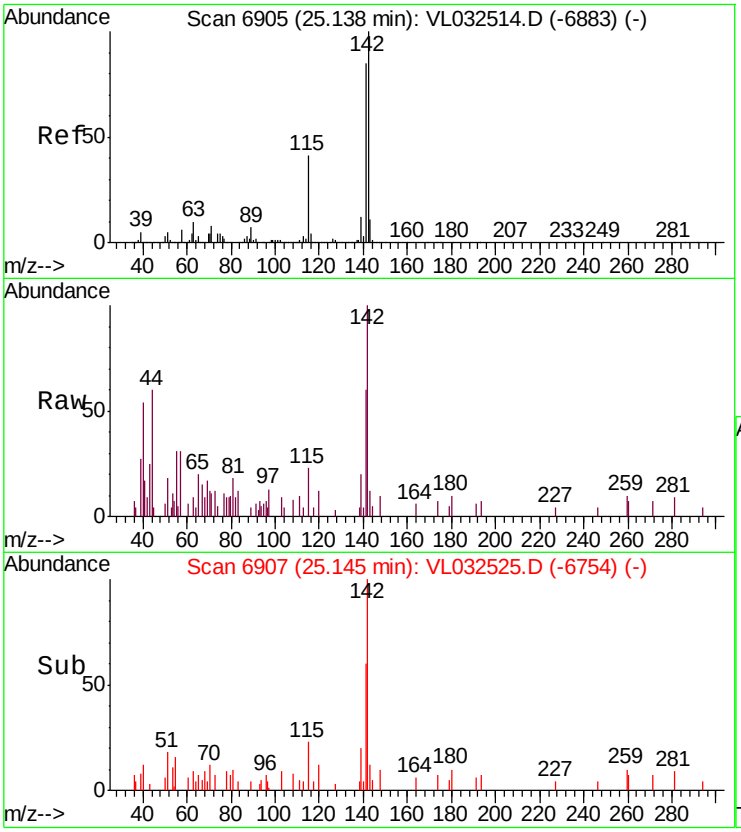


#79
Naphthalene
Concen: 0.097 ppbv
RT: 22.44 min Scan# 6066
Delta R.T. -0.04 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Tgt Ion:128 Resp: 25983

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	8.3	8.5	12.7#





#80
Naphthalene,2-methyl-
Concen: 0.131 ppbv
RT: 25.14 min Scan# 6907
Delta R.T. -0.01 min
Lab File: VL032525.D
Acq: 25 Sep 2018 1:39

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIR

Tgt Ion:142 Resp: 8244

Ion	Ratio	Lower	Upper
142	100		
141	88.5	67.0	100.6
115	51.3	31.3	46.9#