

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032169.D
 Acq On : 30 Jun 2018 13:51
 Operator : SY/AP
 Sample : J3601-07
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Quant Time: Jul 02 00:51:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	5.85	49	1329727	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3002809	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.34	117	3246513	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	2395437	9.65	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	66823	0.382	ppbv	100
3) Chlorodifluoromethane	3.04	51	280636	1.727	ppbv #	76
4) Chloromethane	3.23	50	972979	11.217	ppbv	98
5) Vinyl Chloride	3.35	62	5217	0.060	ppbv	90
7) Chloroethane	3.67	64	2557	0.083	ppbv #	80
9) Propene	3.09	41	1926458	25.440	ppbv	94
10) Heptane	8.34	43	147047	0.666	ppbv	98
11) Trichlorofluoromethane	4.07	101	68866	0.364	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.63	101	12037	0.095	ppbv	85
13) Ethanol	3.74	45	8065025	351.327	ppbv	99
15) Acetone	3.96	43	8816037	56.701	ppbv	98
16) 1,3-Butadiene	3.42	39	368903	4.972	ppbv #	79
17) tert-Butyl alcohol	4.46	59	54906	0.555	ppbv #	73
19) Isopropyl Alcohol	4.12	45	12597647	97.516	ppbv #	40
20) Methylene Chloride	4.49	84	147853	2.602	ppbv	94
21) Allyl Chloride	4.54	41	13198	0.124	ppbv #	21
23) Vinyl Acetate	5.23	43	731948	2.596	ppbv #	78
25) Ethyl Acetate	5.85	43	1043184	3.243	ppbv	97
26) Hexane	5.86	57	330403	2.230	ppbv #	56
27) Carbon Disulfide	4.70	76	24099	0.164	ppbv #	36
29) Chloroform	5.94	83	149079	0.691	ppbv	98
30) Cyclohexane	7.34	84	55264	0.396	ppbv #	84
32) 1,1,1-Trichloroethane	6.71	97	34887	0.154	ppbv #	87
34) 2-Butanone	5.41	43	1187931	6.233	ppbv	99
35) Carbon Tetrachloride	7.23	117	10116	0.049	ppbv #	84
36) Benzene	7.10	78	1305782	4.493	ppbv	99
37) 1,2-Dichloroethane	6.50	62	72777	0.503	ppbv	99
38) Trichloroethene	8.05	130	4934	0.043	ppbv #	72
39) 1,2-Dichloropropane	7.39	63	785381	6.852	ppbv #	26
41) Tetrahydrofuran	6.24	42	98887	0.866	ppbv	95
42) Bromodichloromethane	8.02	83	26124	0.115	ppbv #	76
44) 2,2,4-Trimethylpentane	8.09	57	36157	0.071	ppbv #	1
50) 4-Methyl-2-Pentanone	8.97	43	360295	1.154	ppbv	98
51) 2-Hexanone	10.37	43	7944	0.031	ppbv #	27
52) Tetrachloroethene	11.47	164	13465	0.127	ppbv	91
53) Toluene	10.05	91	4033705	11.483	ppbv	99
58) Ethyl Benzene	12.96	91	815024	1.558	ppbv	94
59) m/p-Xylene	13.22	91	2044867	4.876	ppbv	97
60) o-Xylene	13.95	91	743971	1.779	ppbv	97
61) Styrene	13.78	104	430385	1.256	ppbv	96
62) Isopropylbenzene	14.93	105	100455	0.156	ppbv	96

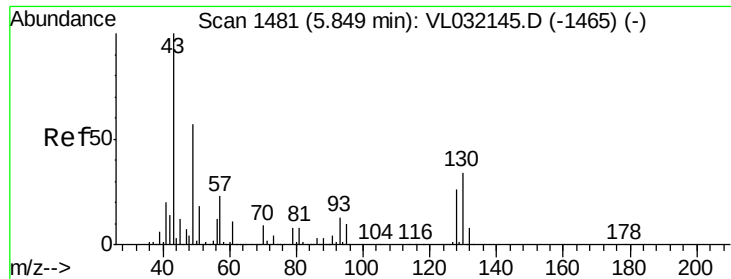
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032169.D
 Acq On : 30 Jun 2018 13:51
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Quant Time: Jul 02 00:51:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.83	120	64616	0.388	ppbv	71
65) tert-Butylbenzene	17.02	119	117136	0.207	ppbv #	44
67) sec-Butylbenzene	17.56	105	68959	0.083	ppbv	98
69) p-Isopropyltoluene	17.91	119	80947	0.122	ppbv #	48
70) n-Butylbenzene	18.82	91	56909	0.082	ppbv #	42
72) 4-Ethyltoluene	16.10	105	352873	0.653	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	317621	0.624	ppbv	94
74) 1,2,4-Trimethylbenzene	17.03	105	1013232	1.973	ppbv #	75
79) Naphthalene	22.53	128	67896	0.145	ppbv	97
80) Naphthalene,2-methyl-	25.50	142	36481	0.217	ppbv	96

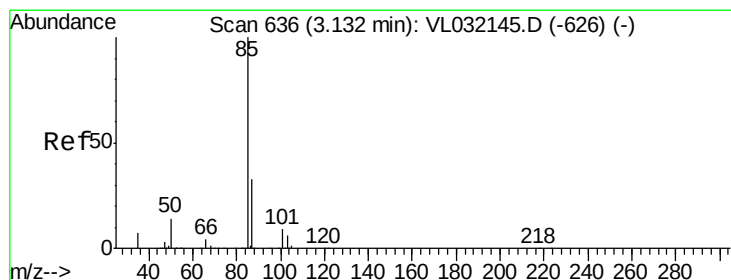
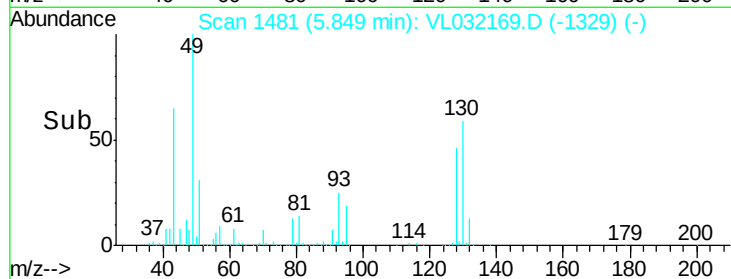
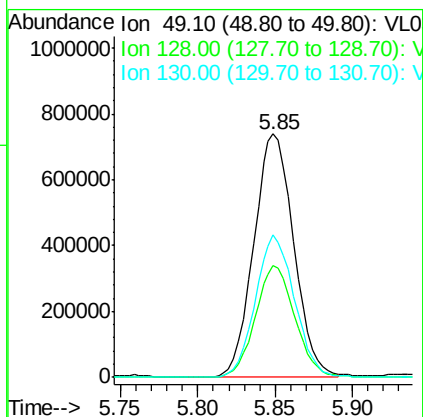
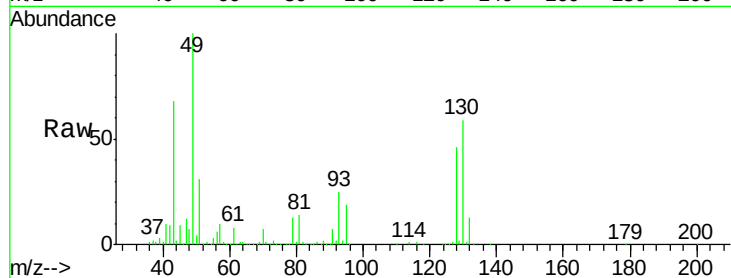
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.85 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

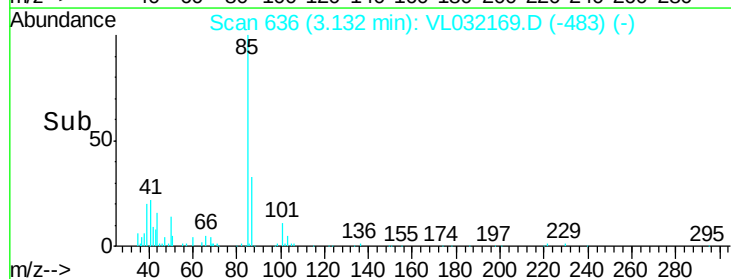
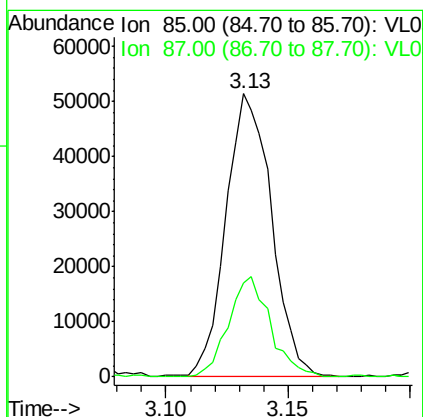
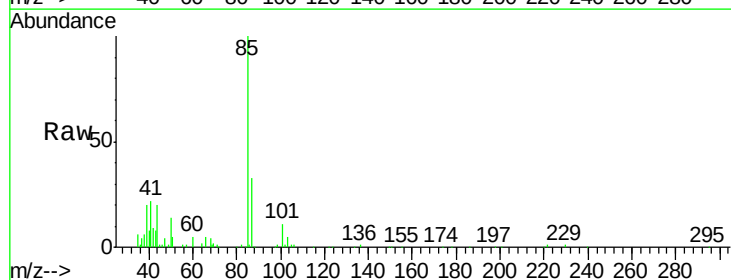
Instrument :
 MSVOA_L
 ClientSampleId :
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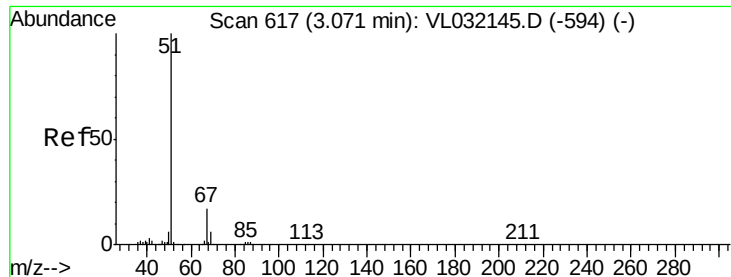
Tgt Ion: 49 Resp: 1329727
 Ion Ratio Lower Upper
 49 100
 128 45.6 23.4 70.0
 130 57.4 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.382 ppbv
 RT: 3.13 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 85 Resp: 66823
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.7 40.1





#3

Chlorodifluoromethane

Concen: 1.727 ppbv

RT: 3.04 min Scan# 608

Delta R.T. -0.04 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

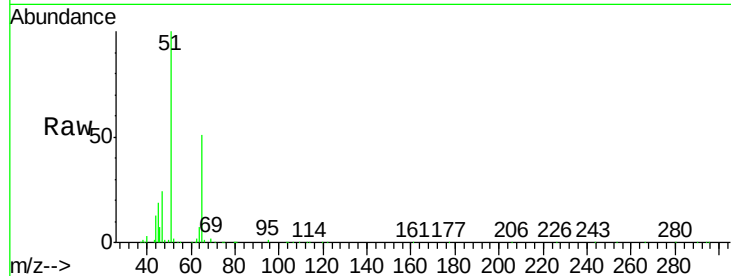
RESIDENT-C-INDOOR

Tgt Ion: 51 Resp: 280636

Ion Ratio Lower Upper

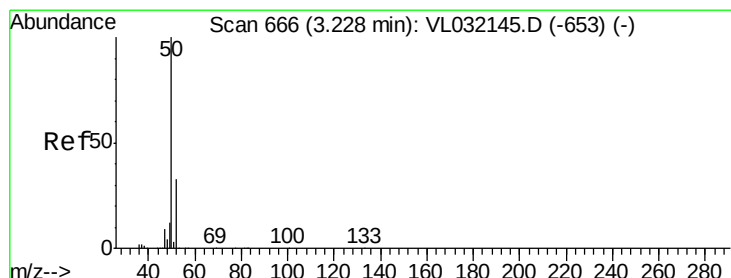
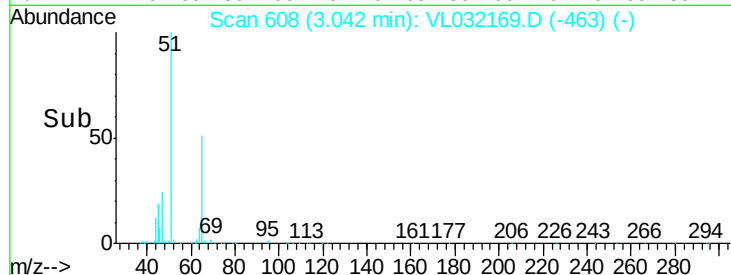
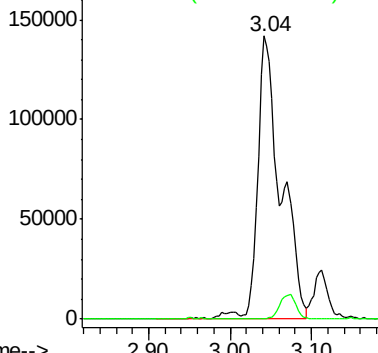
51 100

67 6.0 13.2 19.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.217 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032169.D

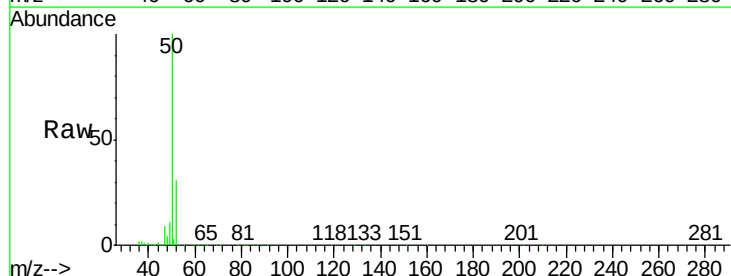
Acq: 30 Jun 2018 13:51

Tgt Ion: 50 Resp: 972979

Ion Ratio Lower Upper

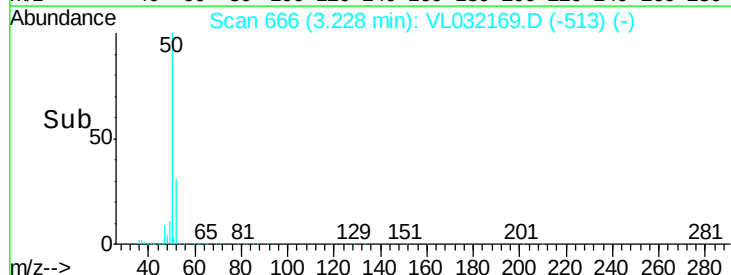
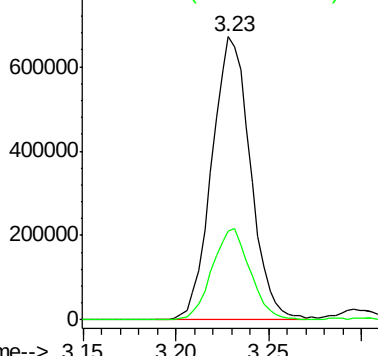
50 100

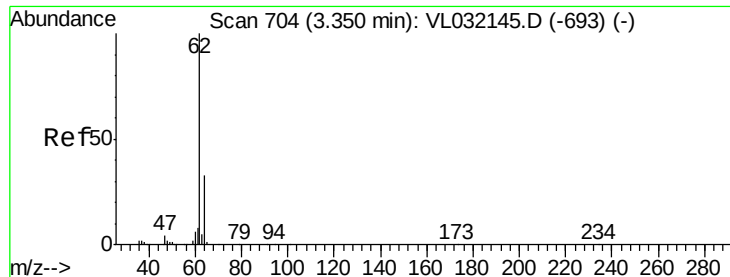
52 31.4 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.060 ppbv

RT: 3.35 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

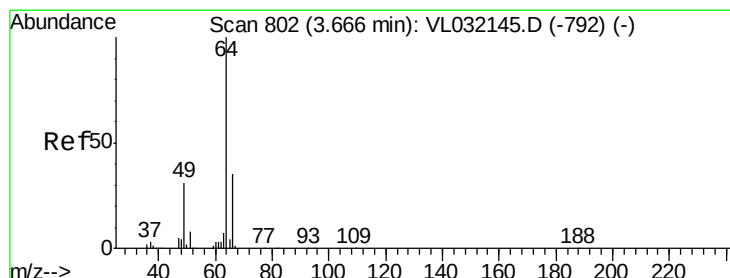
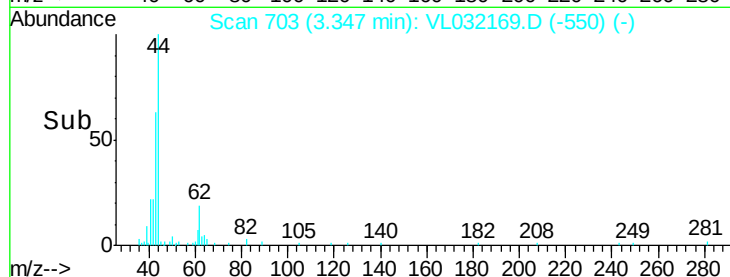
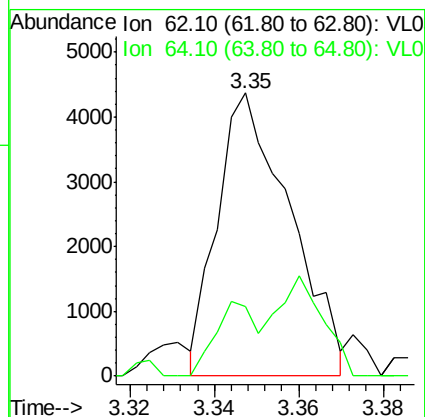
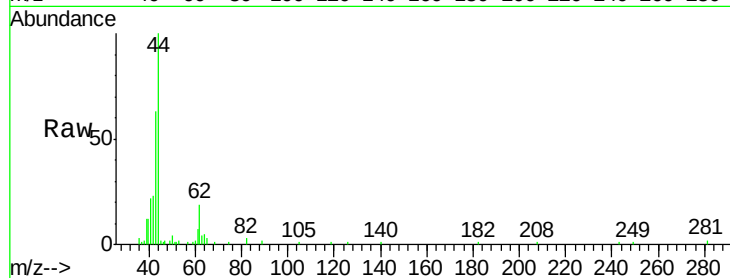
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Tgt Ion: 62 Resp: 5217

Ion Ratio Lower Upper

62 100

64 27.2 26.1 39.1



#7

Chloroethane

Concen: 0.083 ppbv

RT: 3.67 min Scan# 802

Delta R.T. -0.01 min

Lab File: VL032169.D

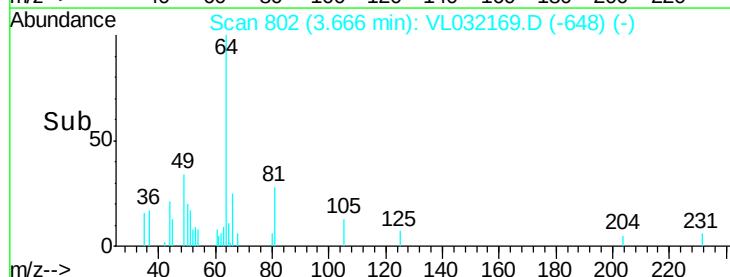
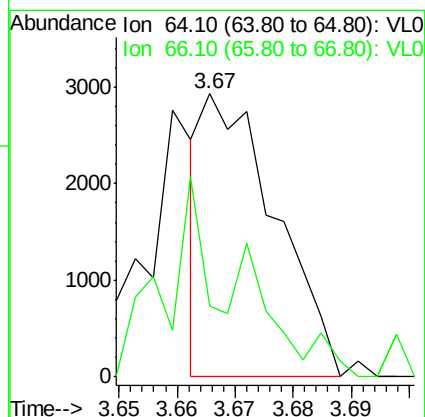
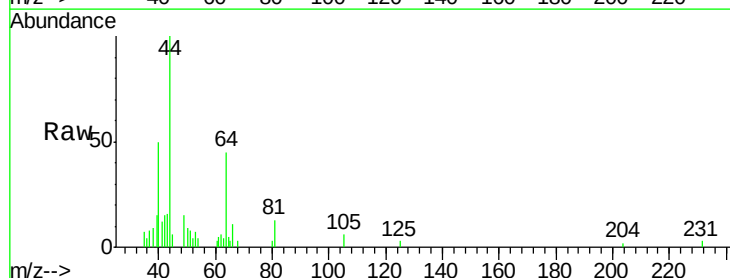
Acq: 30 Jun 2018 13:51

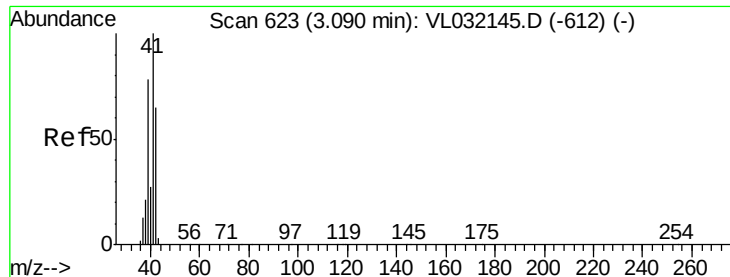
Tgt Ion: 64 Resp: 2557

Ion Ratio Lower Upper

64 100

66 22.5 26.9 40.3#





#9

Propene

Concen: 25.440 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

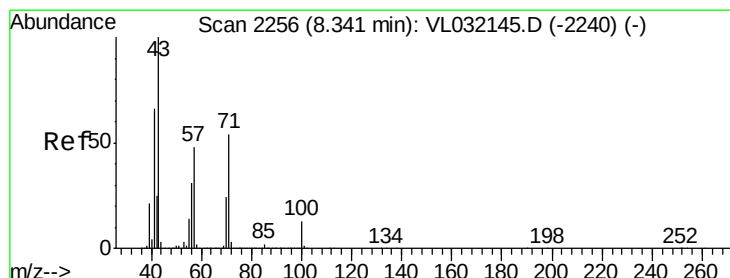
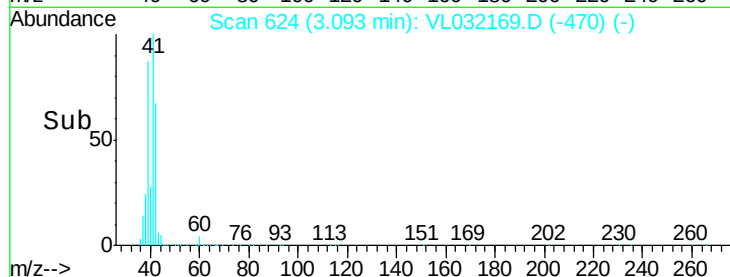
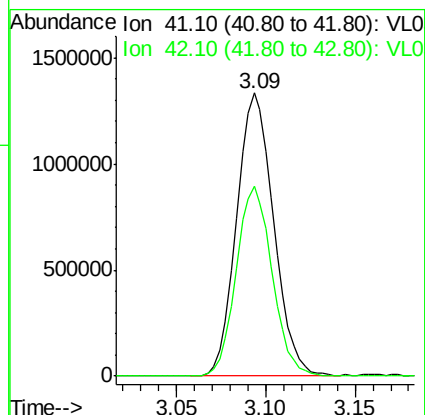
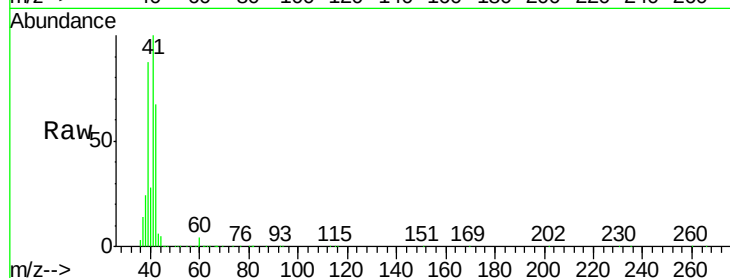
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Tgt Ion: 41 Resp: 1926458

Ion Ratio Lower Upper

41 100

42 65.3 56.2 84.4



#10

Heptane

Concen: 0.666 ppbv

RT: 8.34 min Scan# 2256

Delta R.T. -0.02 min

Lab File: VL032169.D

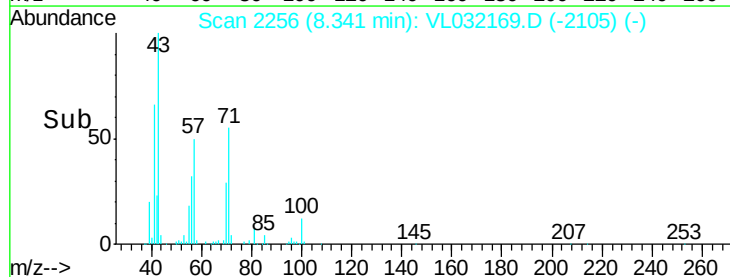
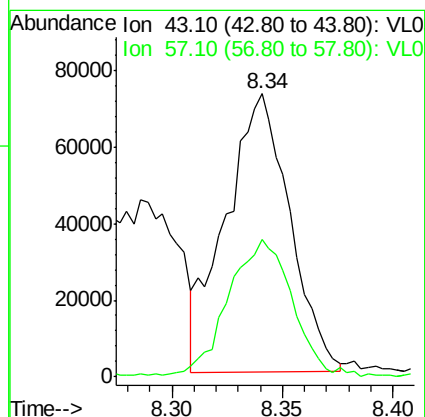
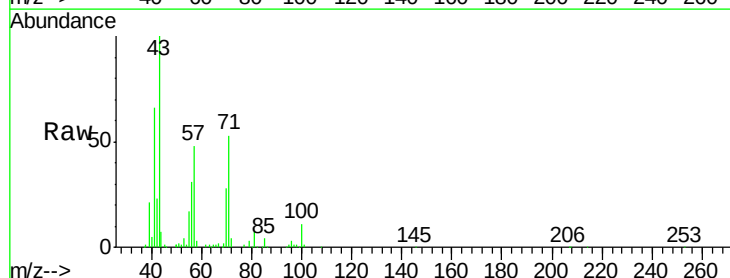
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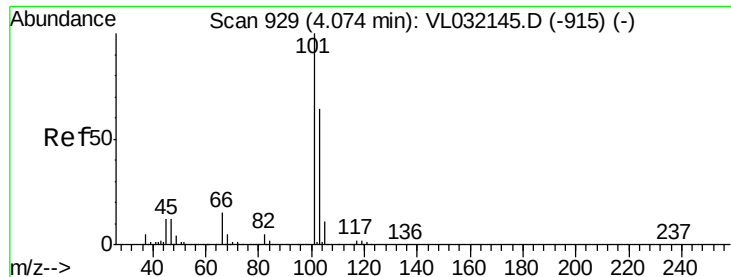
Tgt Ion: 43 Resp: 147047

Ion Ratio Lower Upper

43 100

57 50.9 39.8 59.8

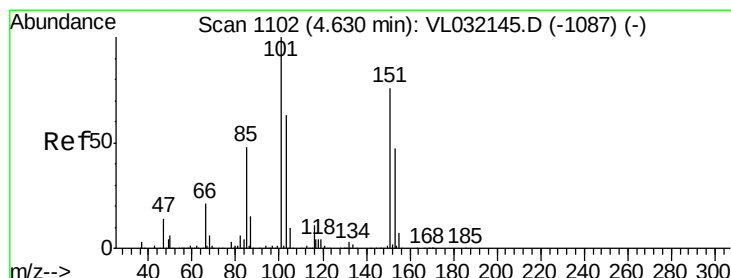
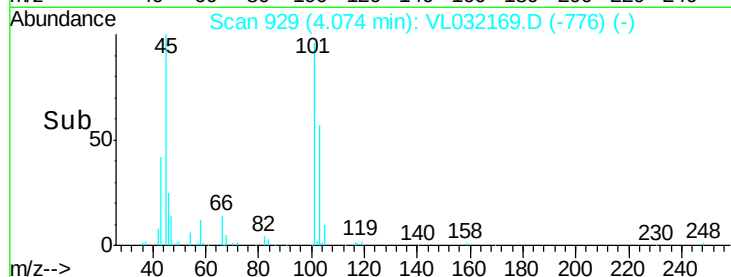
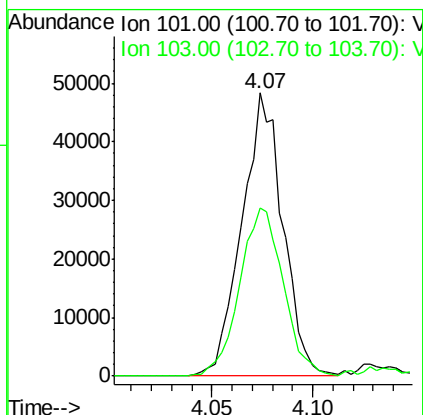
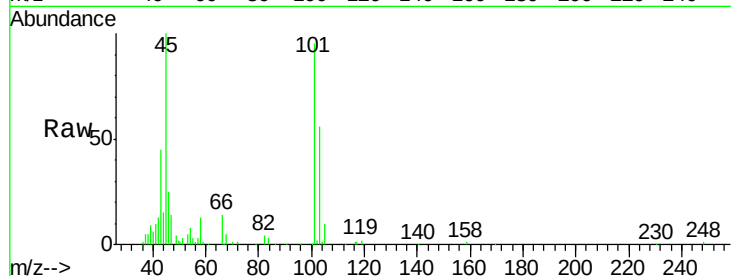




#11
 Trichlorofluoromethane
 Concen: 0.364 ppbv
 RT: 4.07 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

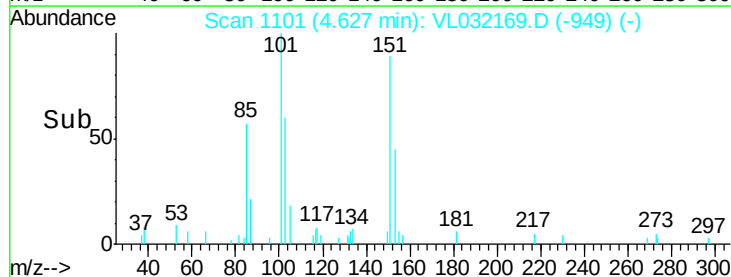
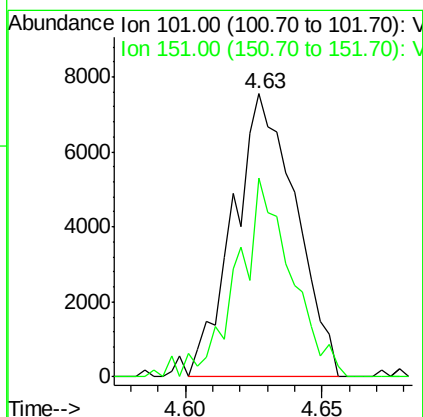
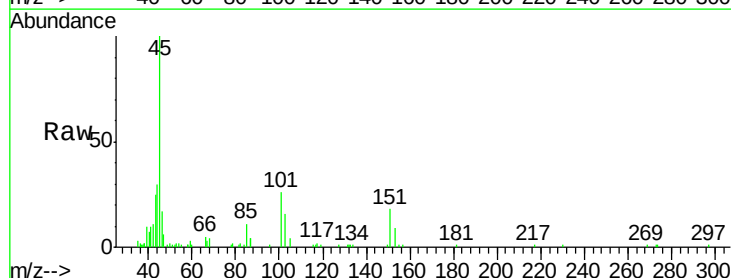
Instrument :
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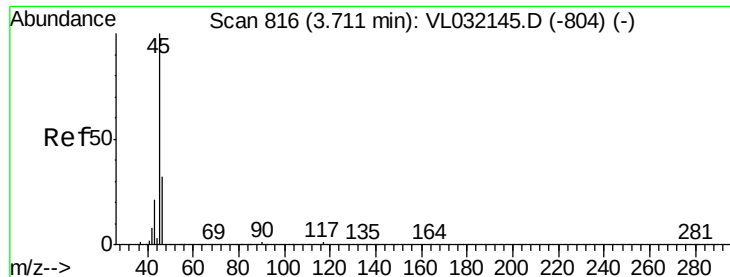
Tgt Ion:101 Resp: 68866
 Ion Ratio Lower Upper
 101 100
 103 59.3 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.095 ppbv
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion:101 Resp: 12037
 Ion Ratio Lower Upper
 101 100
 151 61.1 58.8 88.2

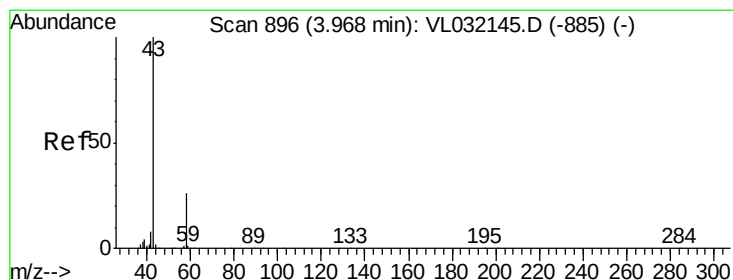
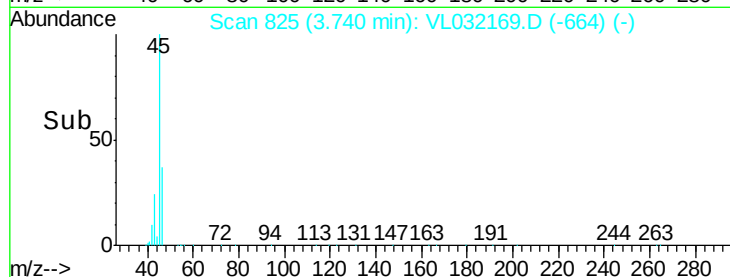
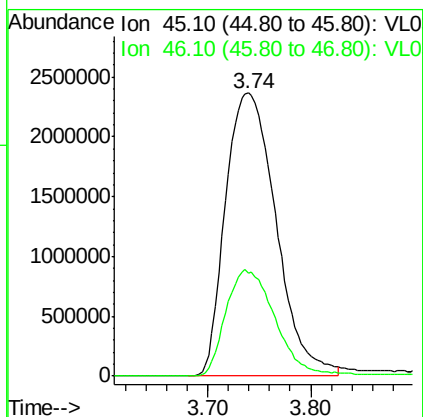
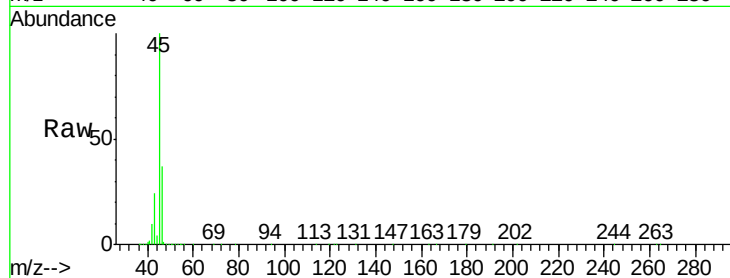




#13
Ethanol
Concen: 351.327 ppbv
RT: 3.74 min Scan# 825
Delta R.T. 0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

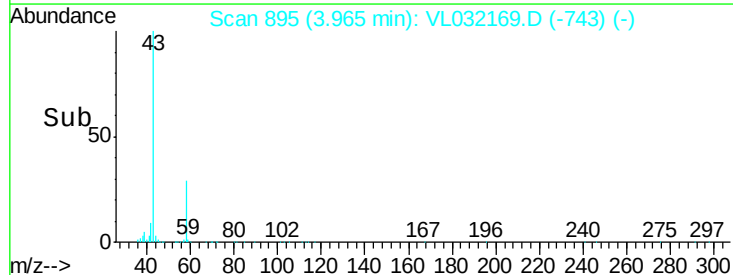
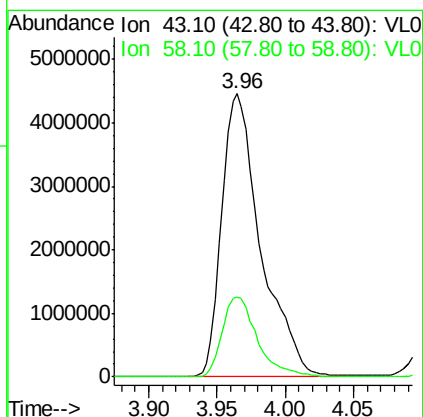
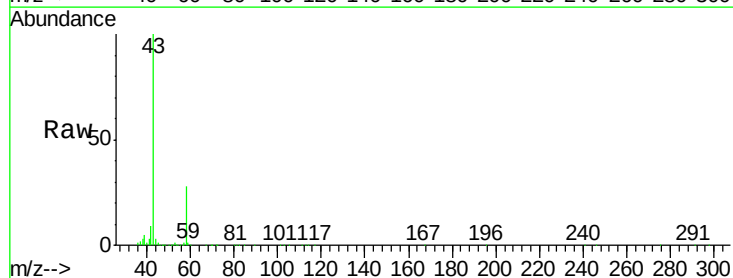
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

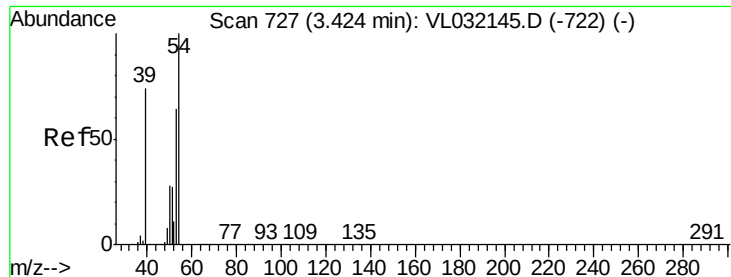
Tgt Ion: 45 Resp: 8065025
Ion Ratio Lower Upper
45 100
46 37.1 14.6 58.4



#15
Acetone
Concen: 56.701 ppbv
RT: 3.96 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion: 43 Resp: 8816037
Ion Ratio Lower Upper
43 100
58 25.6 21.4 32.0





#16

1,3-Butadiene

Concen: 4.972 ppbv

RT: 3.42 min Scan# 726

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

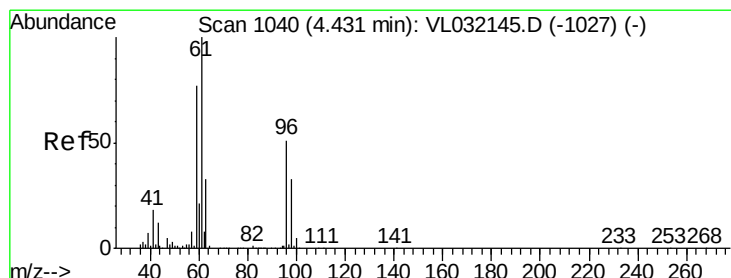
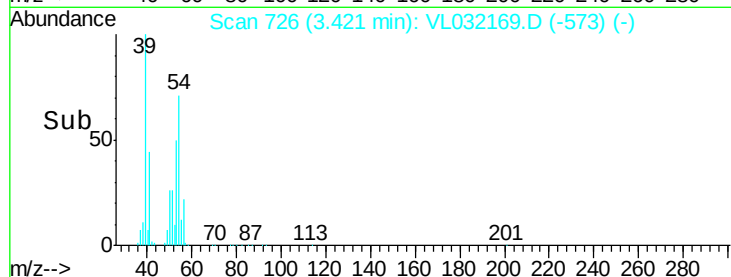
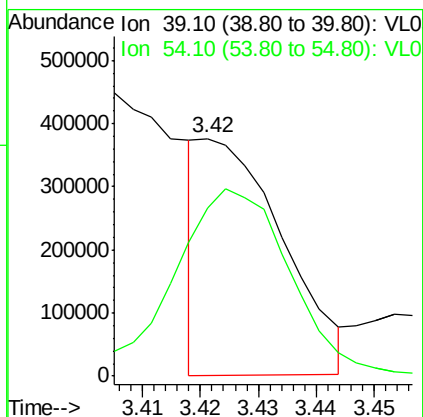
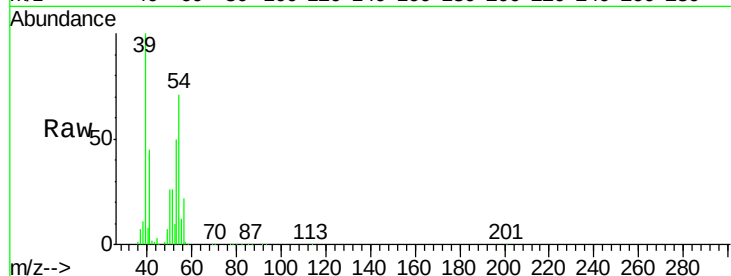
RESIDENT-C-INDOOR

Tgt Ion: 39 Resp: 368903

Ion Ratio Lower Upper

39 100

54 115.4 75.8 113.6#



#17

tert-Butyl alcohol

Concen: 0.555 ppbv

RT: 4.46 min Scan# 1050

Delta R.T. 0.03 min

Lab File: VL032169.D

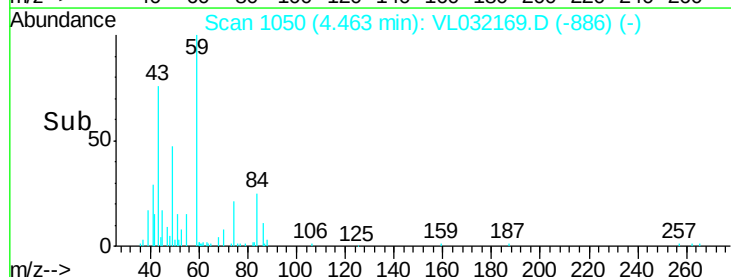
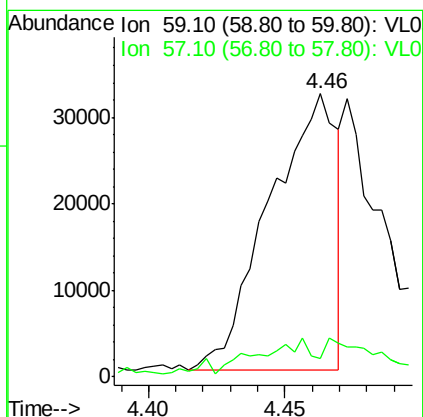
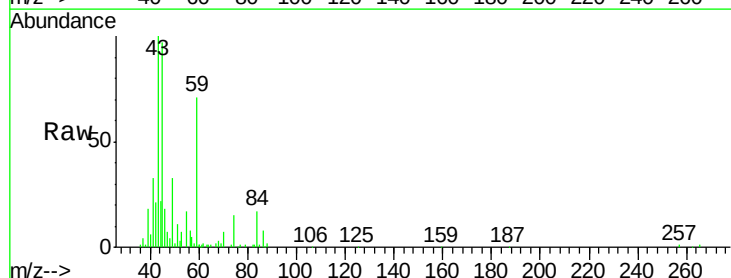
Acq: 30 Jun 2018 13:51

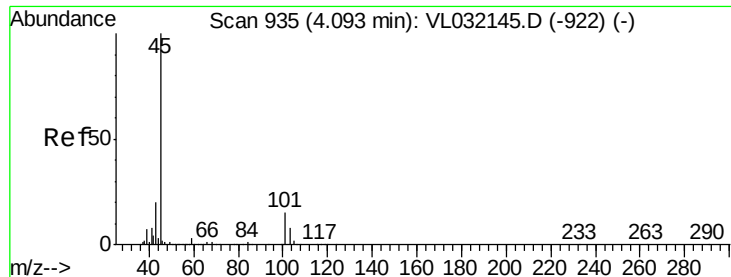
Tgt Ion: 59 Resp: 54906

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



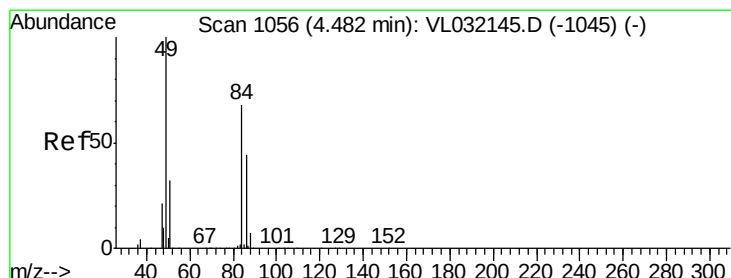
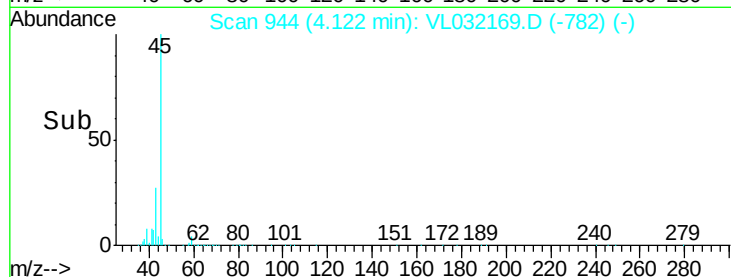
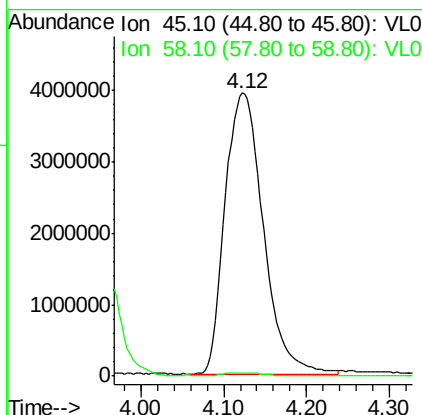
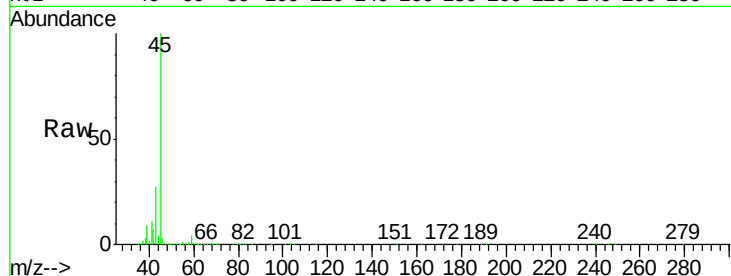


#19

Isopropyl Alcohol
 Concen: 97.516 ppbv
 RT: 4.12 min Scan# 944
 Delta R.T. 0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

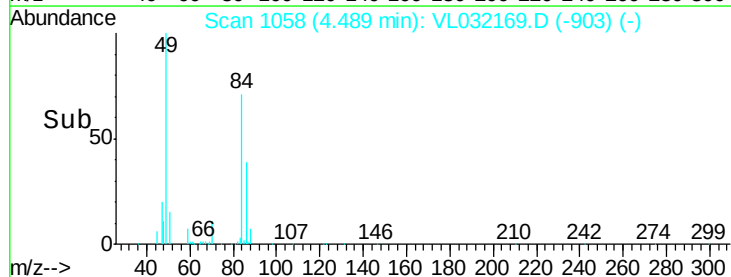
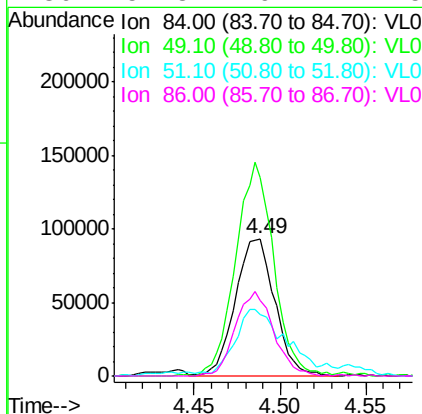
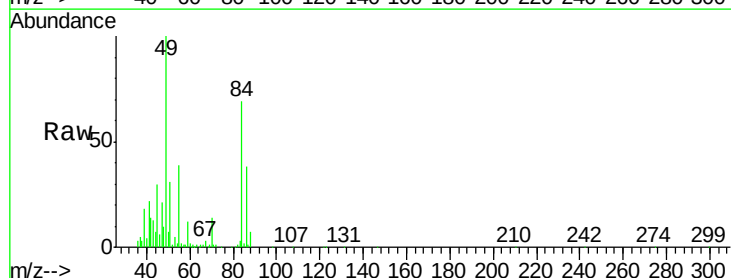
Tgt Ion: 45 Resp:12597647
 Ion Ratio Lower Upper
 45 100
 58 1.3 29.4 44.0#

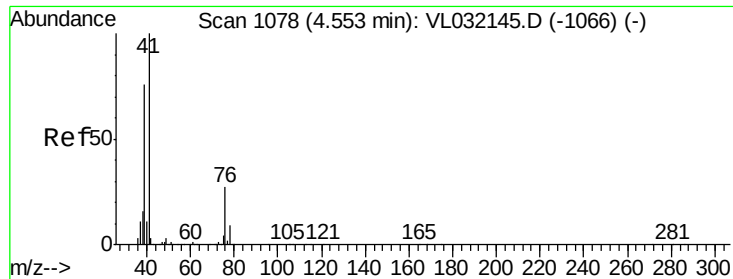


#20

Methylene Chloride
 Concen: 2.602 ppbv
 RT: 4.49 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 84 Resp: 147853
 Ion Ratio Lower Upper
 84 100
 49 144.4 119.6 179.4
 51 41.6 36.3 54.5
 86 54.8 49.7 74.5

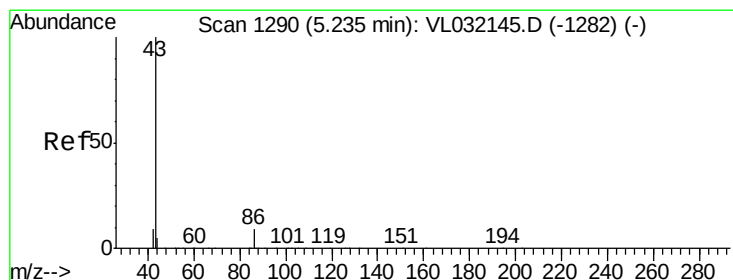
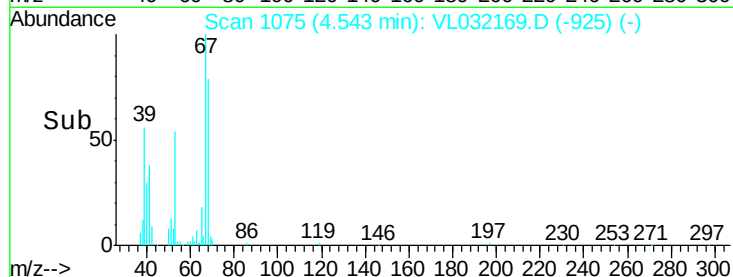
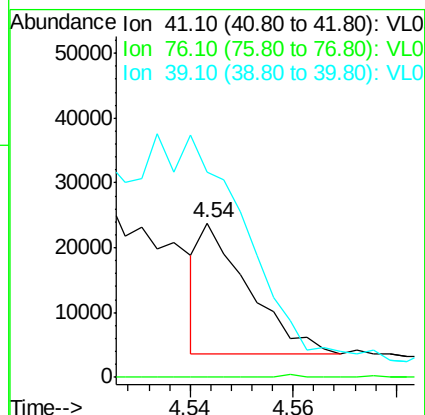
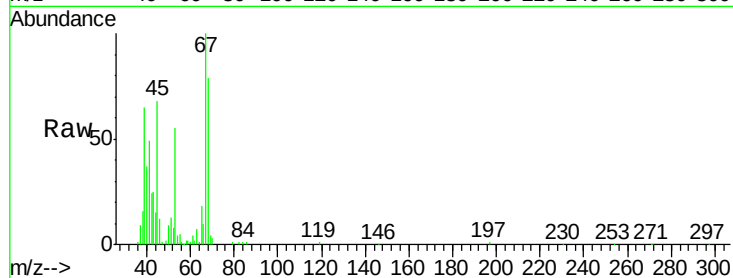




#21
 Allyl Chloride
 Concen: 0.124 ppbv
 RT: 4.54 min Scan# 1075
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

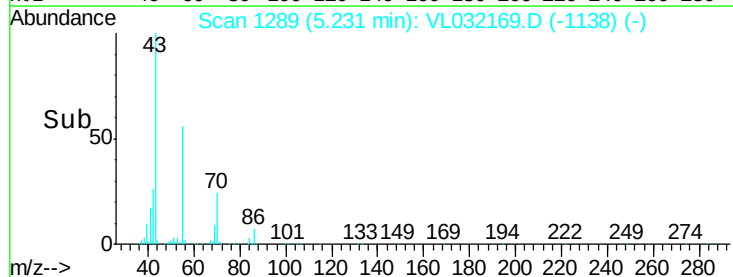
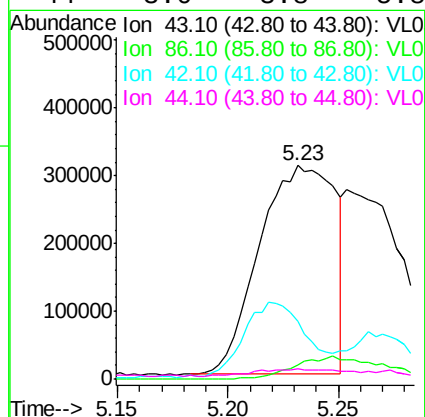
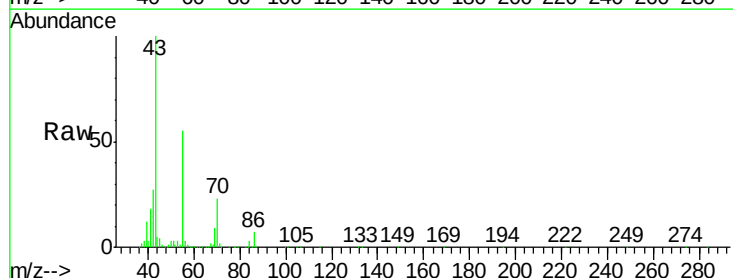
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

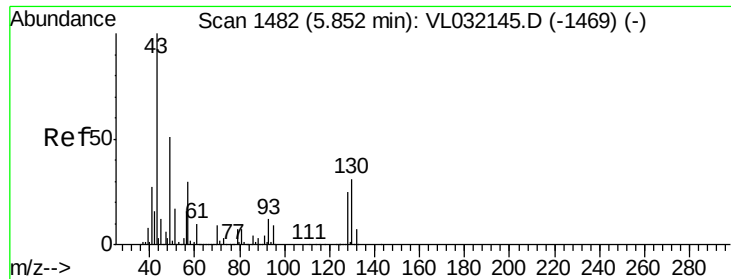
Tgt Ion: 41 Resp: 13198
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.5 33.7#
 39 0.0 60.5 90.7#



#23
 Vinyl Acetate
 Concen: 2.596 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 43 Resp: 731948
 Ion Ratio Lower Upper
 43 100
 86 7.0 6.2 9.4
 42 25.8 6.9 10.3#
 44 3.0 3.8 5.8#



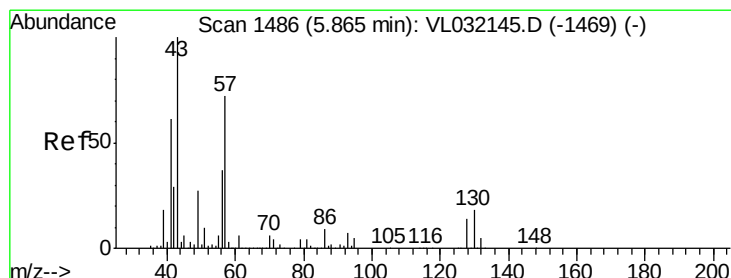
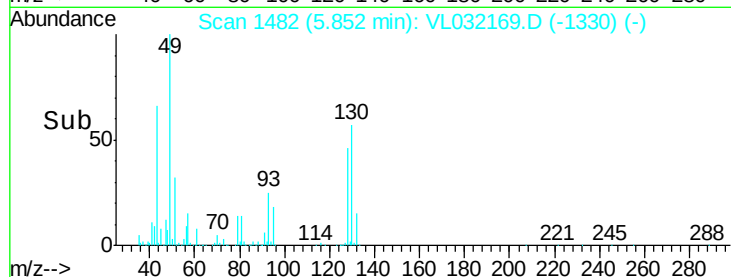
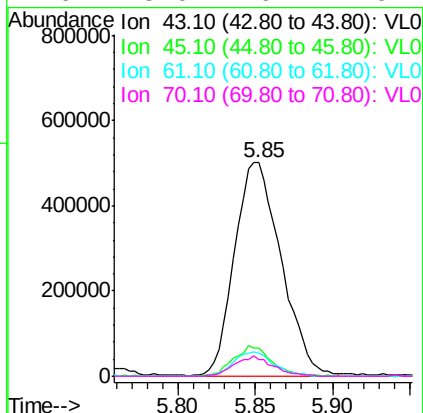
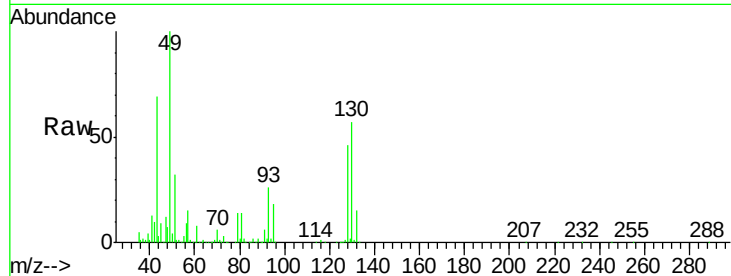


#25
Ethyl Acetate
 Concen: 3.243 ppbv
 RT: 5.85 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tgt Ion: 43 Resp: 1043184

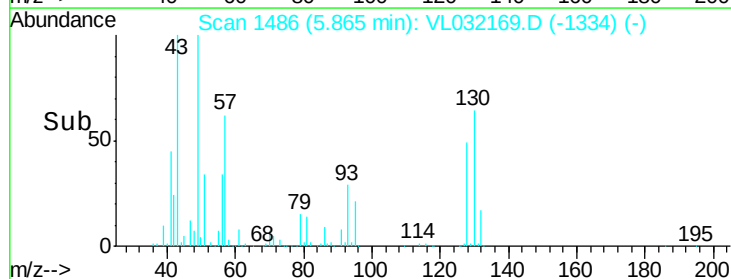
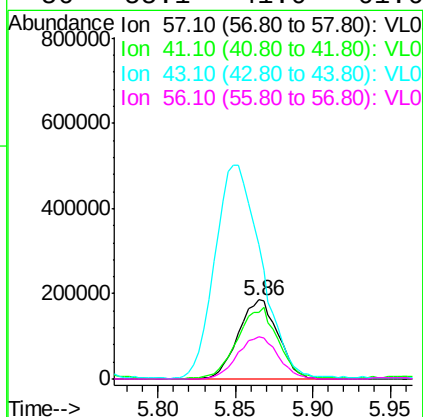
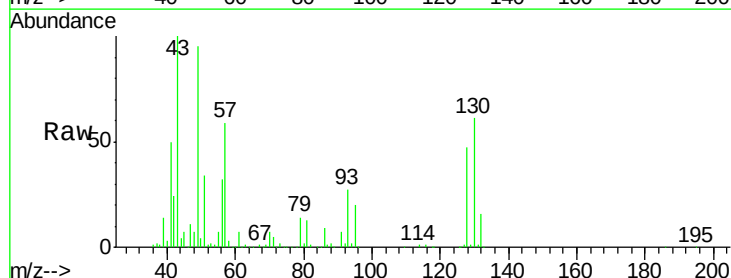
Ion	Ratio	Lower	Upper
43	100		
45	11.5	7.8	11.8
61	10.1	7.4	11.0
70	8.0	6.1	9.1

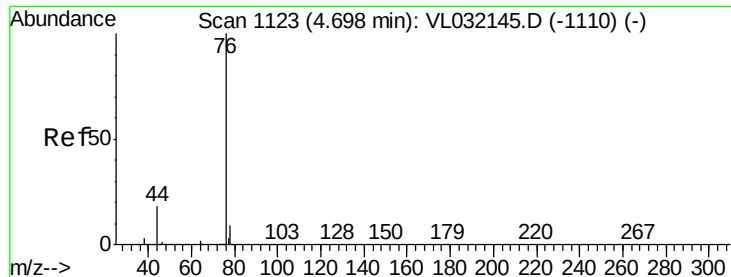


#26
Hexane
 Concen: 2.230 ppbv
 RT: 5.86 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 57 Resp: 330403

Ion	Ratio	Lower	Upper
57	100		
41	92.4	68.6	103.0
43	317.3	168.6	252.8#
56	55.1	41.0	61.6





#27

Carbon Disulfide

Concen: 0.164 ppbv

RT: 4.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

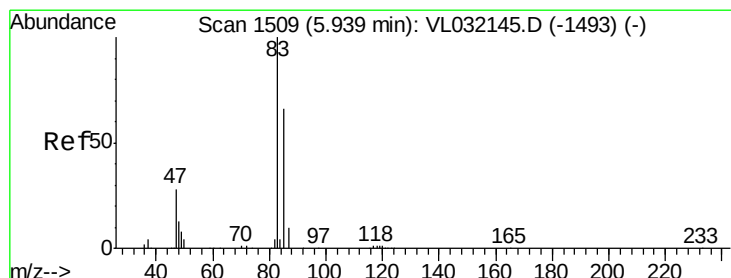
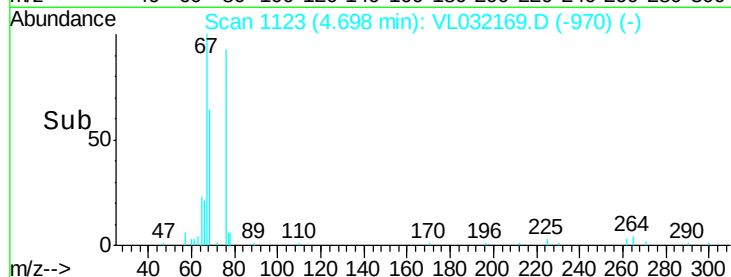
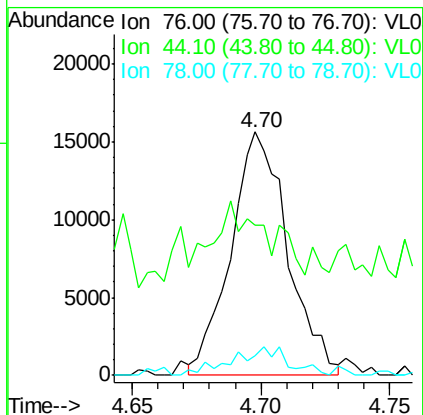
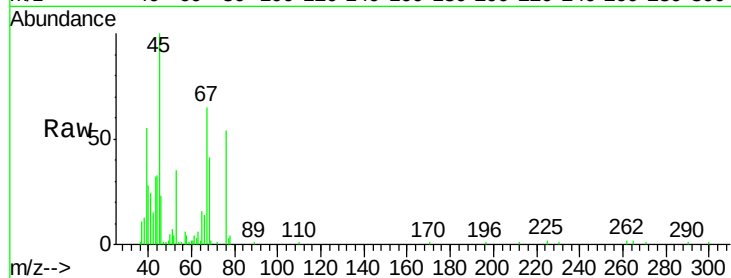
Tgt Ion: 76 Resp: 24099

Ion Ratio Lower Upper

76 100

44 58.3 15.1 22.7#

78 14.2 7.2 10.8#



#29

Chloroform

Concen: 0.691 ppbv

RT: 5.94 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VL032169.D

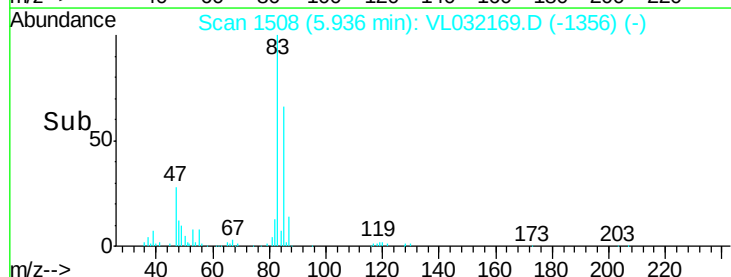
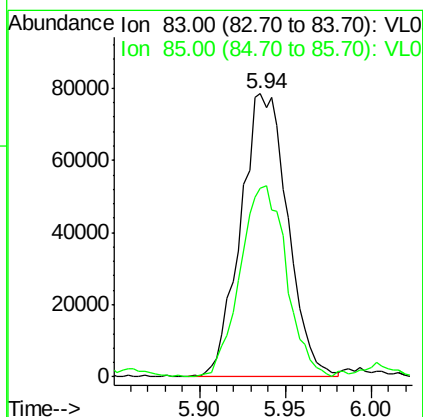
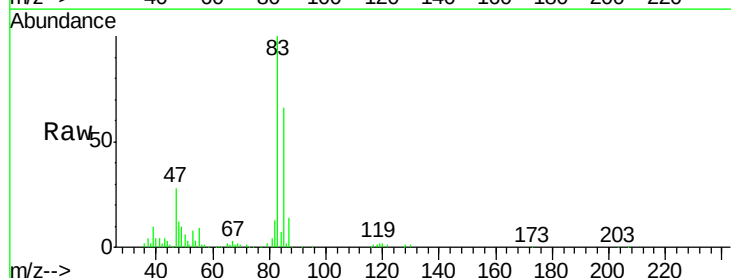
Acq: 30 Jun 2018 13:51

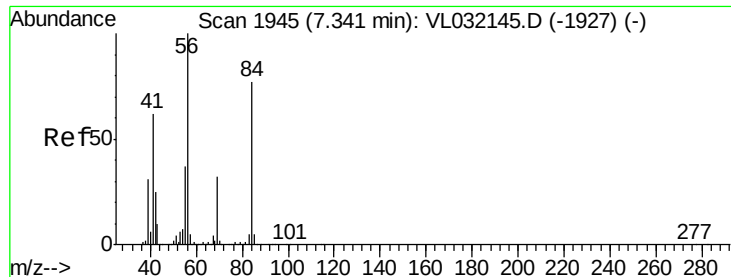
Tgt Ion: 83 Resp: 149079

Ion Ratio Lower Upper

83 100

85 66.1 51.6 77.4

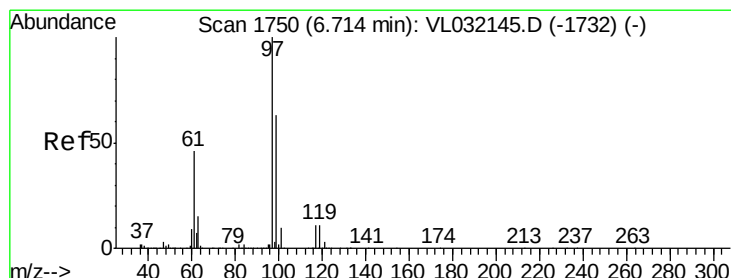
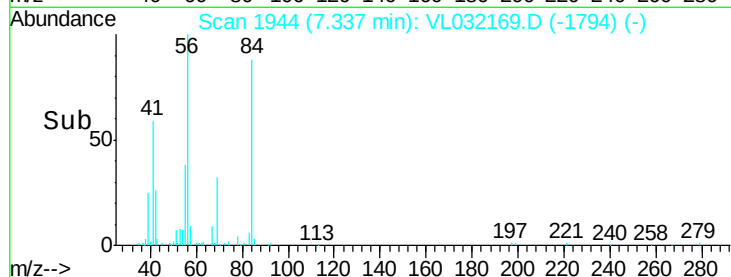
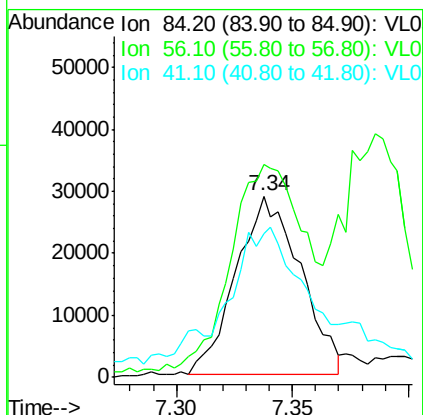
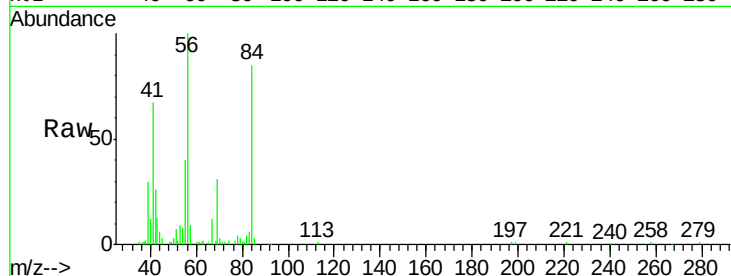




#30
Cyclohexane
Concen: 0.396 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

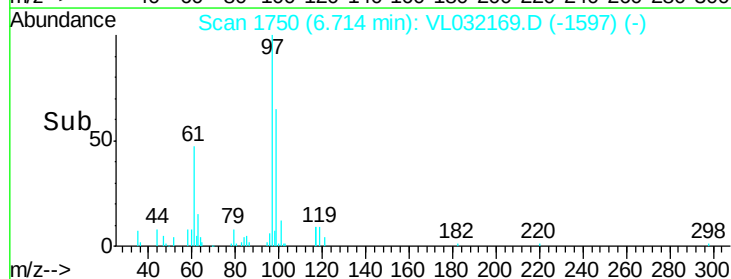
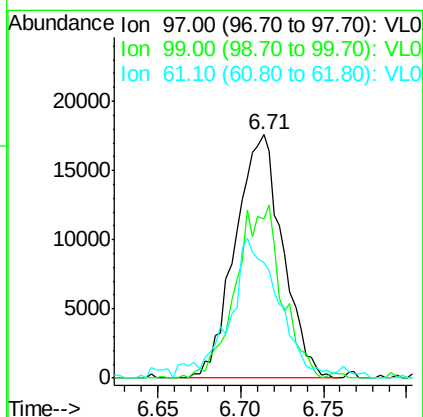
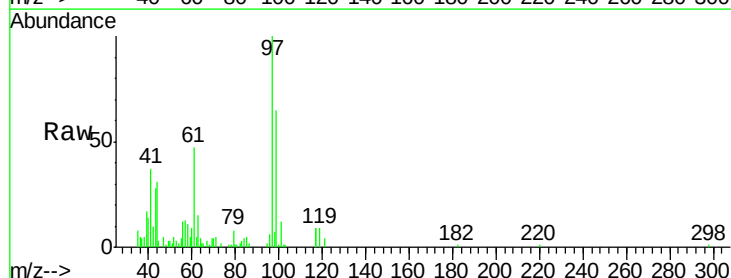
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

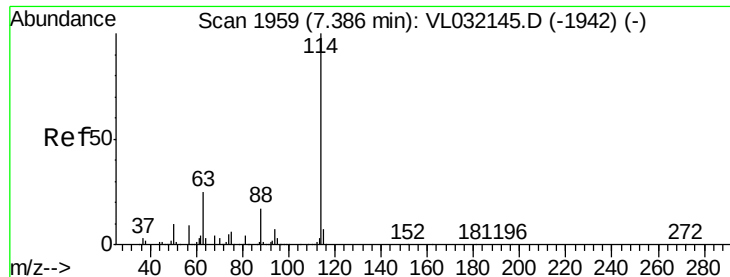
Tgt Ion: 84 Resp: 55264
Ion Ratio Lower Upper
84 100
56 136.1 109.1 163.7
41 118.0 64.6 96.8#



#32
1,1,1-Trichloroethane
Concen: 0.154 ppbv
RT: 6.71 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion: 97 Resp: 34887
Ion Ratio Lower Upper
97 100
99 69.1 51.3 76.9
61 62.8 38.4 57.6#

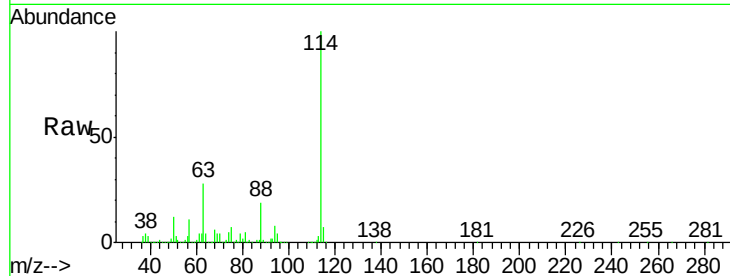




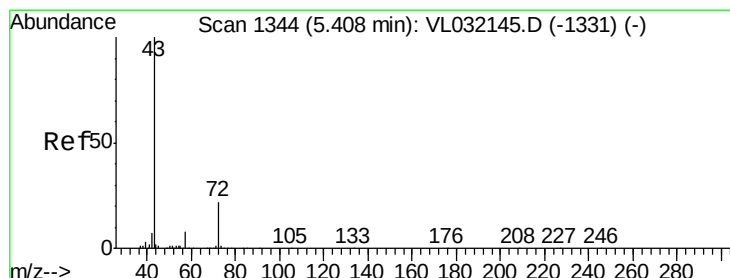
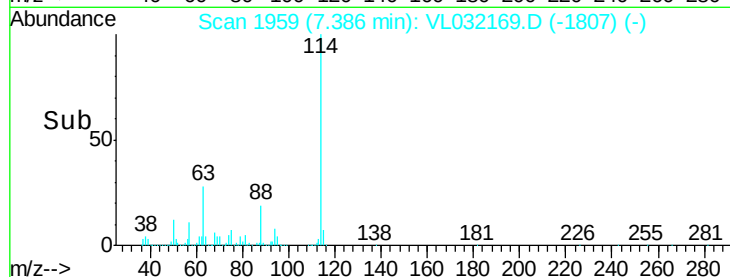
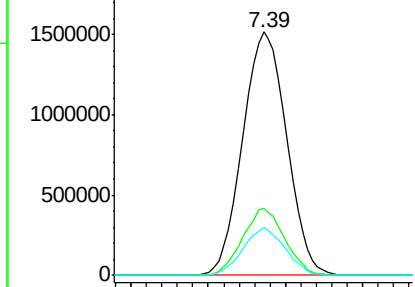
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.39 min Scan# 1959
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tgt Ion:114 Resp: 3002809
 Ion Ratio Lower Upper
 114 100
 63 26.5 19.1 28.7
 88 18.8 13.9 20.9

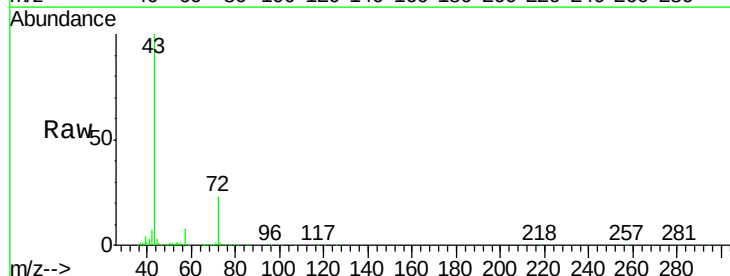


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

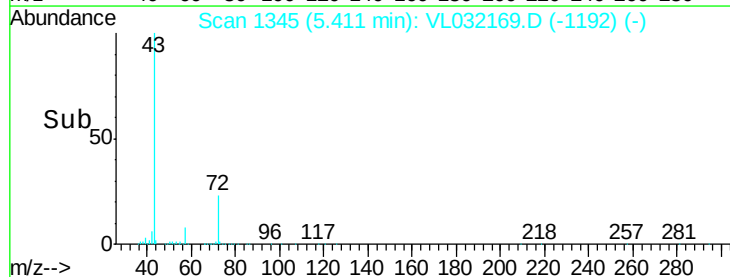
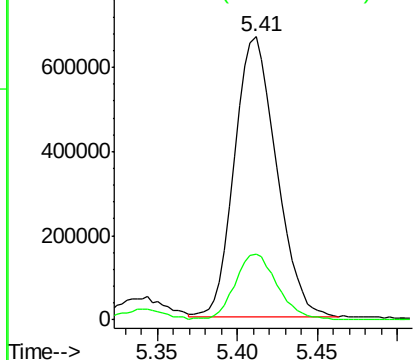


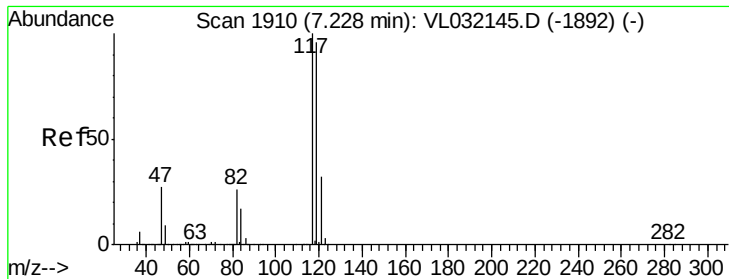
#34
 2-Butanone
 Concen: 6.233 ppbv
 RT: 5.41 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 43 Resp: 1187931
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

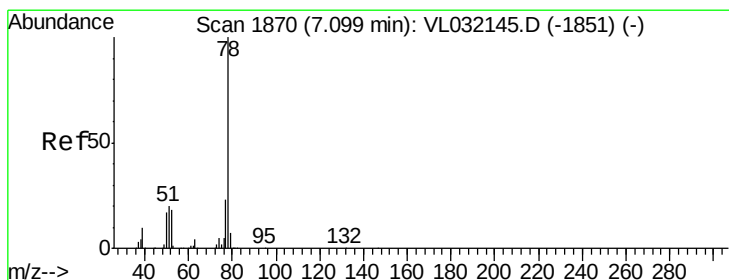
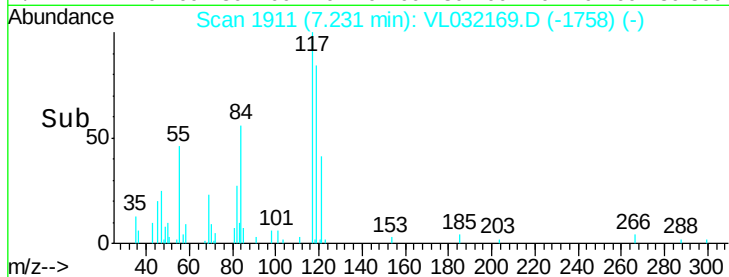
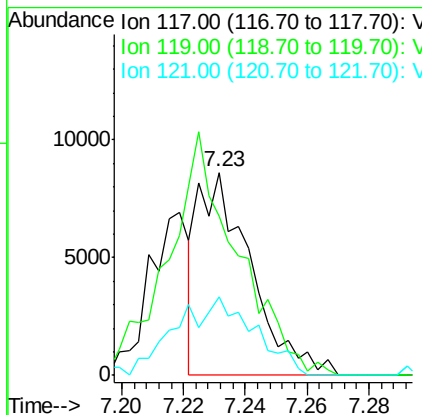
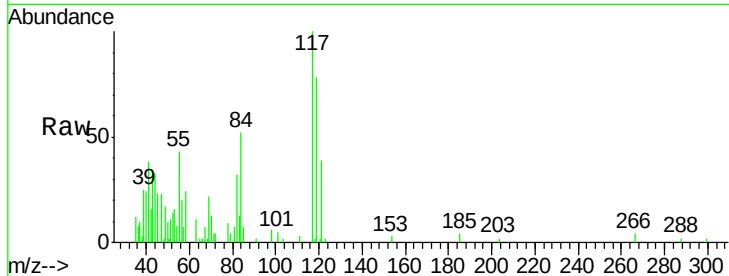




#35
 Carbon Tetrachloride
 Concen: 0.049 ppbv
 RT: 7.23 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

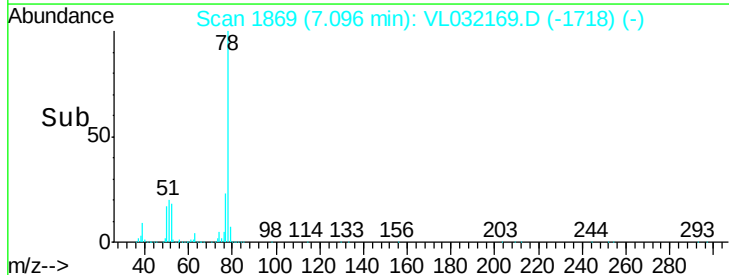
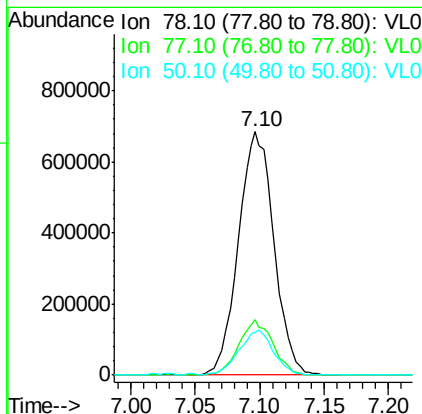
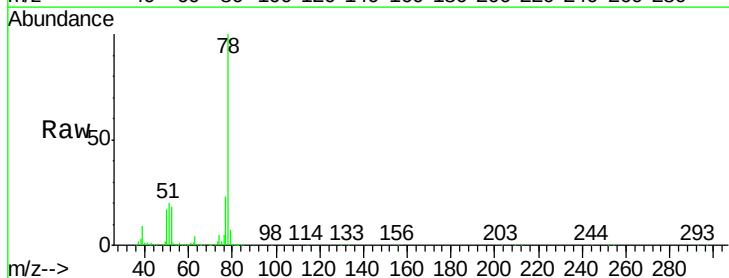
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

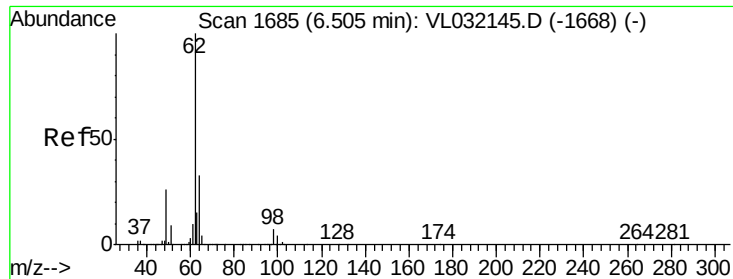
Tgt Ion: 117 Resp: 10116
 Ion Ratio Lower Upper
 117 100
 119 78.5 74.8 112.2
 121 38.5 24.0 36.0#



#36
 Benzene
 Concen: 4.493 ppbv
 RT: 7.10 min Scan# 1869
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 78 Resp: 1305782
 Ion Ratio Lower Upper
 78 100
 77 22.7 17.7 26.5
 50 17.1 14.0 21.0

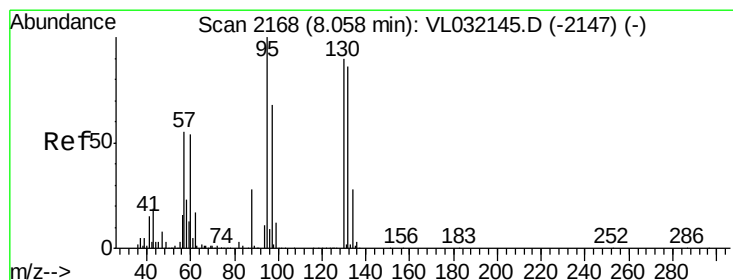
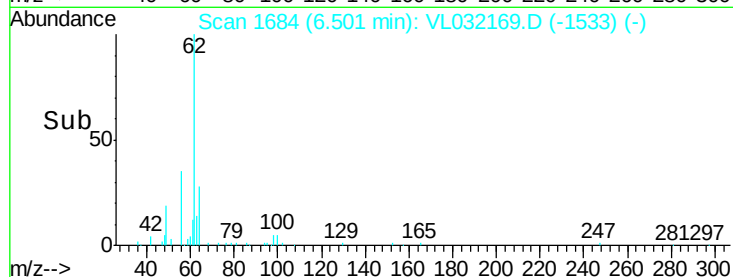
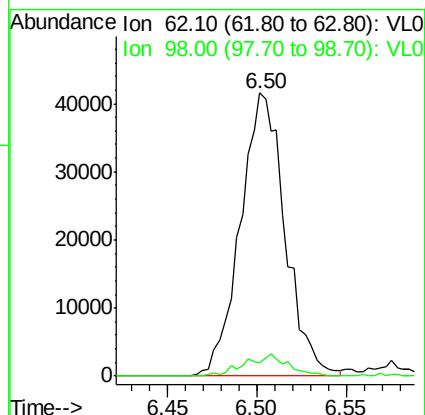
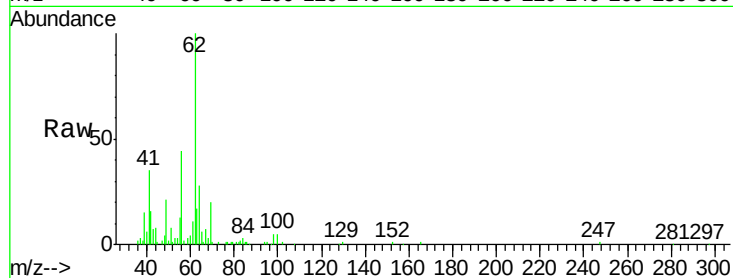




#37
 1,2-Dichloroethane
 Concen: 0.503 ppbv
 RT: 6.50 min Scan# 1684
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

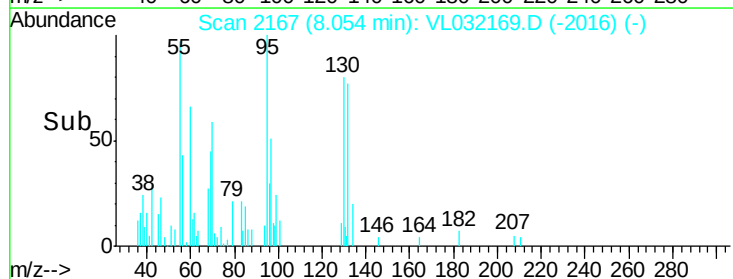
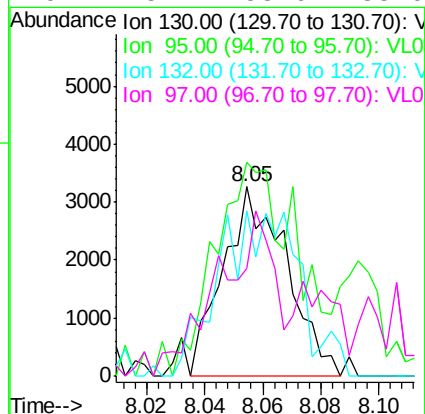
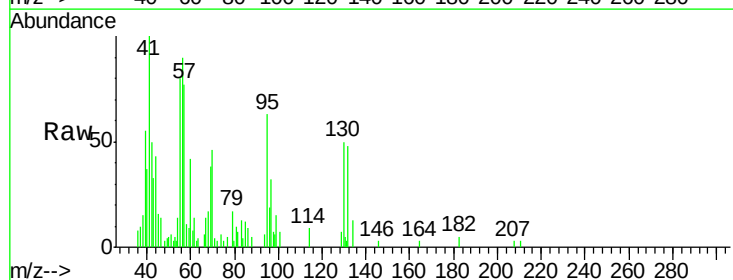
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

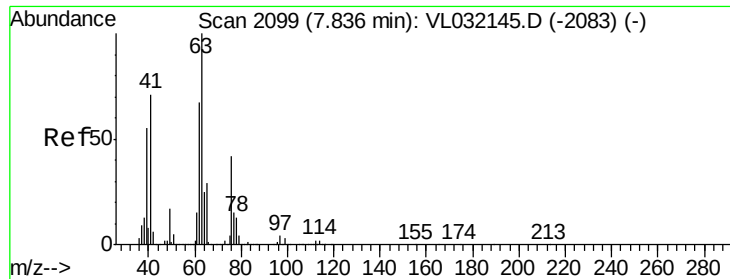
Tgt Ion: 62 Resp: 72777
 Ion Ratio Lower Upper
 62 100
 98 7.7 5.8 8.6



#38
 Trichloroethene
 Concen: 0.043 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 130 Resp: 4934
 Ion Ratio Lower Upper
 130 100
 95 99.7 88.1 132.1
 132 70.5 74.6 112.0#
 97 23.7 58.6 88.0#





#39

1,2-Dichloropropane

Concen: 6.852 ppbv

RT: 7.39 min Scan# 1959

Delta R.T. -0.46 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

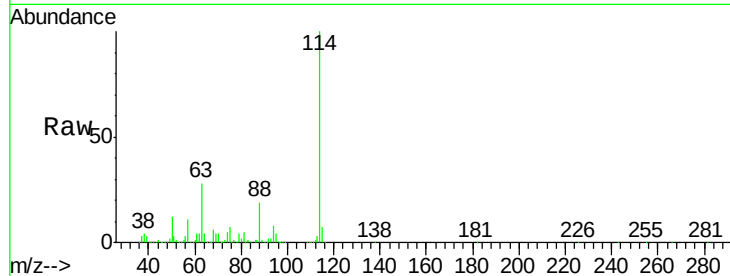
Tgt Ion: 63 Resp: 785381

Ion Ratio Lower Upper

63 100

41 0.0 53.3 79.9#

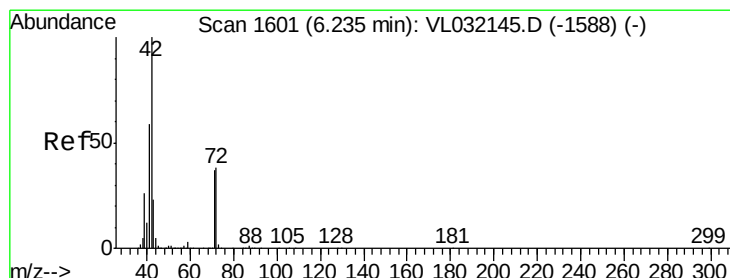
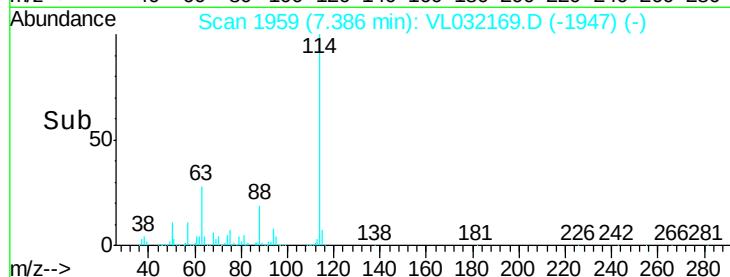
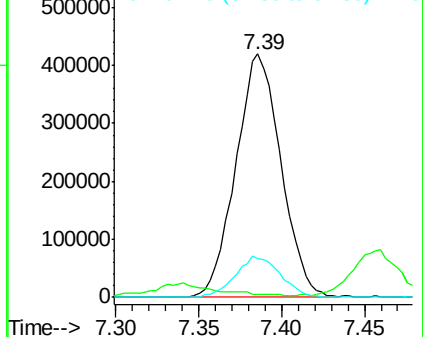
62 15.7 54.8 82.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.866 ppbv

RT: 6.24 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

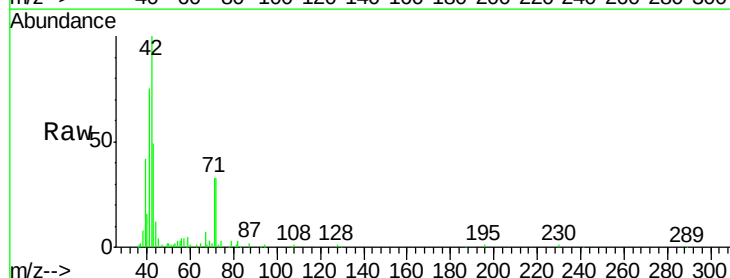
Tgt Ion: 42 Resp: 98887

Ion Ratio Lower Upper

42 100

72 39.2 31.1 46.7

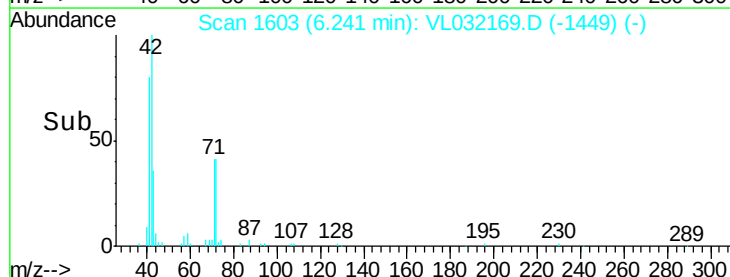
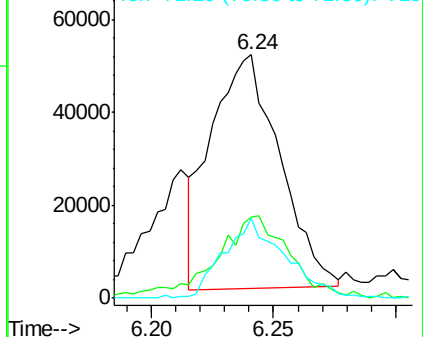
71 30.5 29.5 44.3

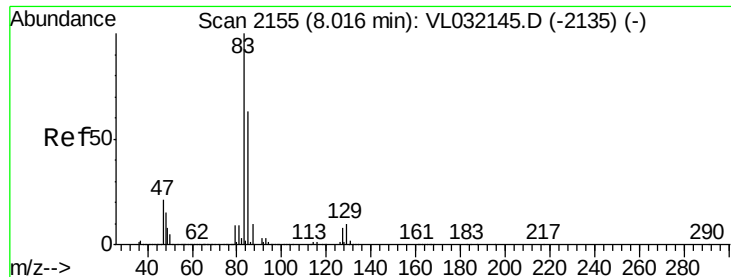


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.115 ppbv

RT: 8.02 min Scan# 2156

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

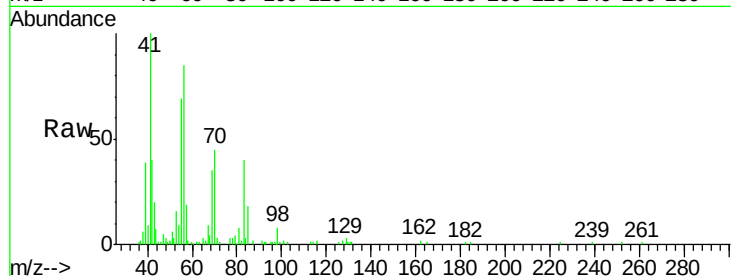
Tgt Ion: 83 Resp: 26124

Ion Ratio Lower Upper

83 100

85 45.2 52.6 79.0#

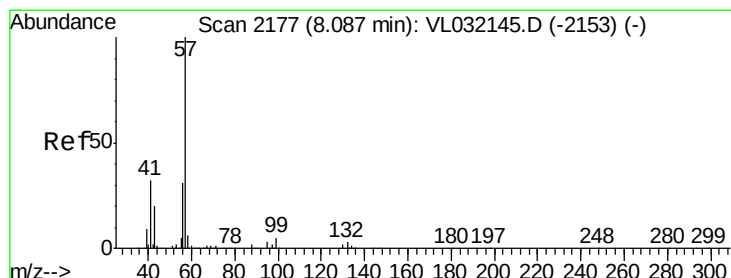
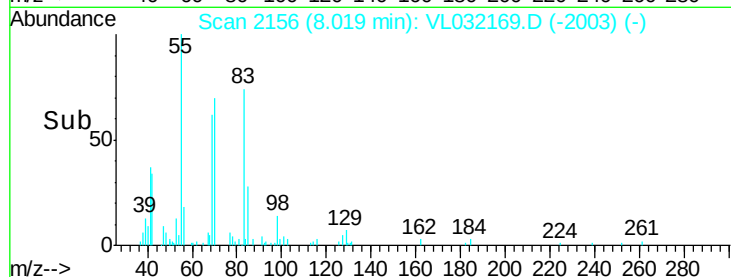
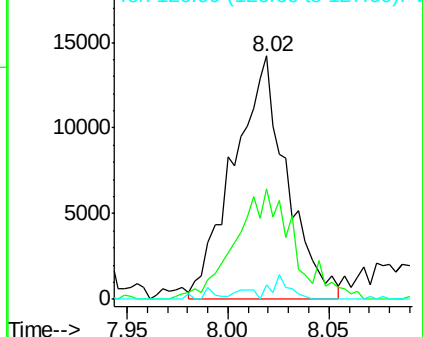
127 6.4 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.071 ppbv

RT: 8.09 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

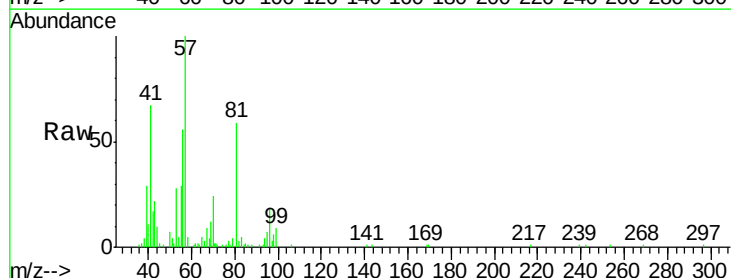
Tgt Ion: 57 Resp: 36157

Ion Ratio Lower Upper

57 100

41 125.5 24.3 36.5#

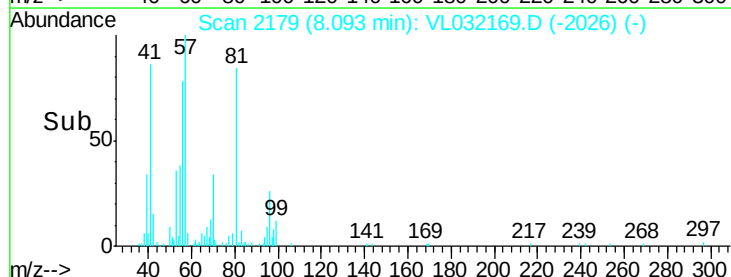
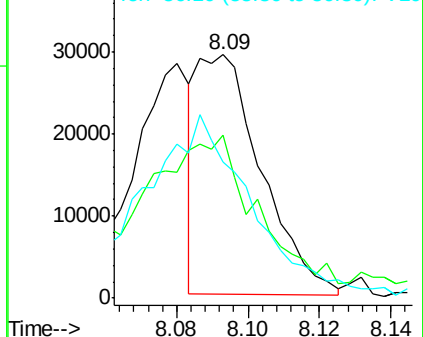
56 0.0 25.1 37.7#

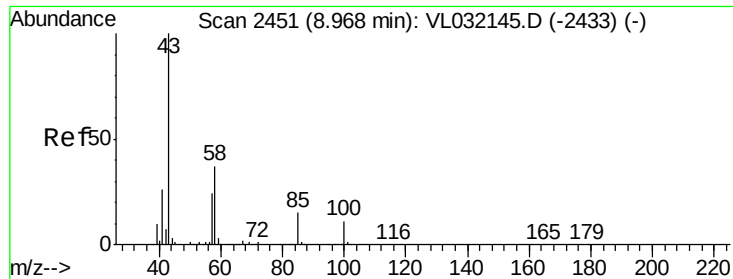


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

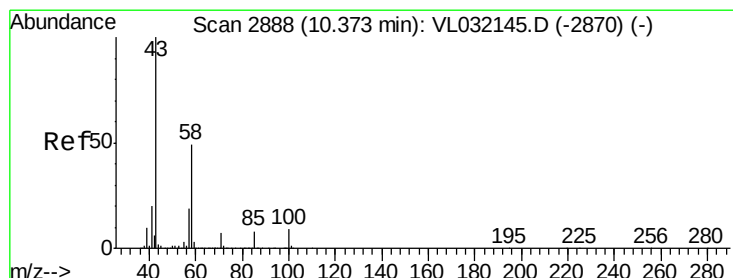
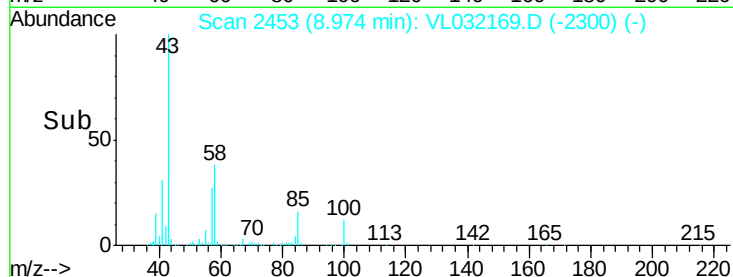
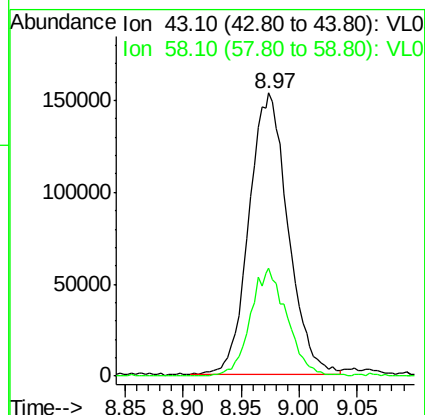
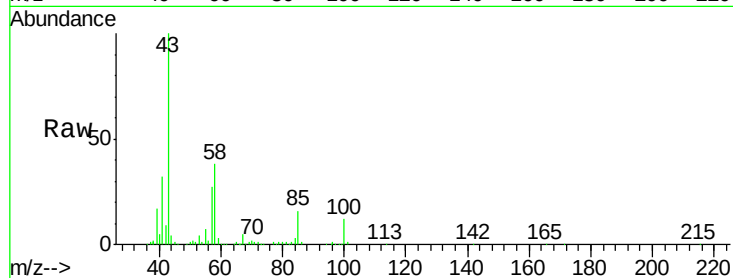




#50
 4-Methyl-2-Pentanone
 Concen: 1.154 ppbv
 RT: 8.97 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

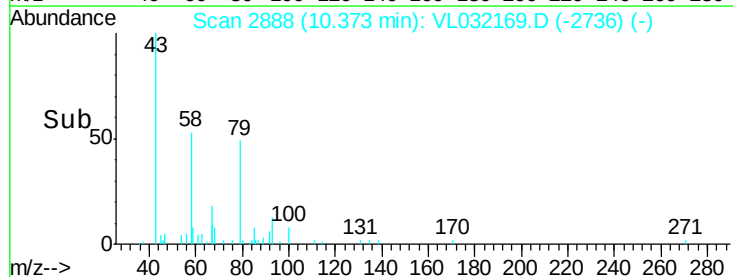
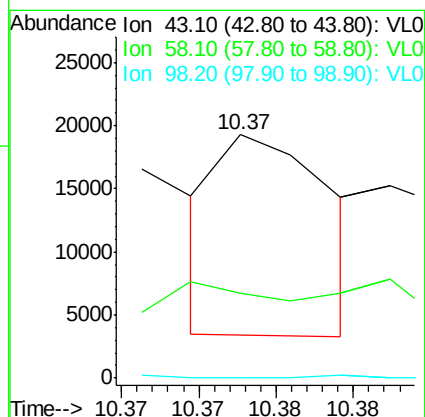
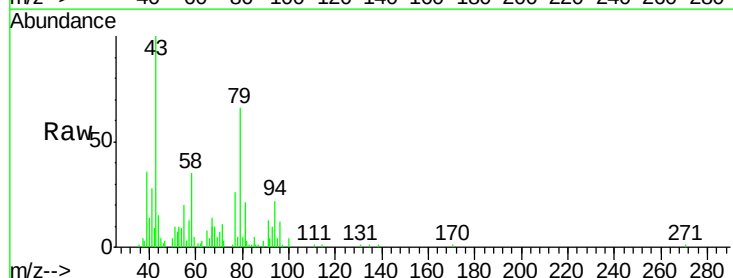
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

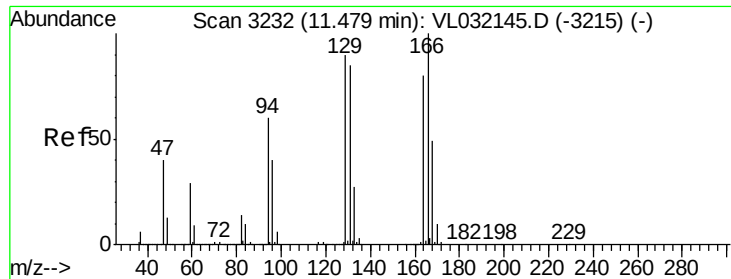
Tgt Ion: 43 Resp: 360295
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.8 44.6



#51
 2-Hexanone
 Concen: 0.031 ppbv
 RT: 10.37 min Scan# 2888
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 43 Resp: 7944
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.6 60.8#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.127 ppbv

RT: 11.47 min Scan# 3230

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tgt Ion:164 Resp: 13465

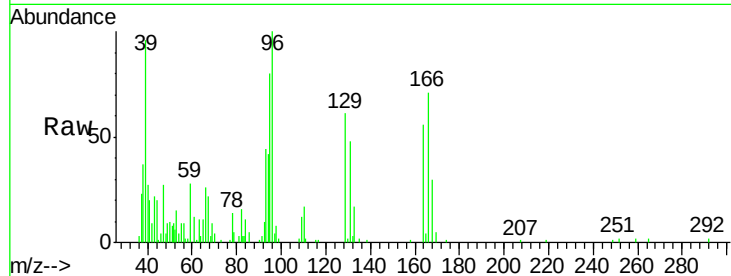
Ion Ratio Lower Upper

164 100

166 120.2 100.6 151.0

129 111.9 84.0 126.0

131 86.4 82.7 124.1

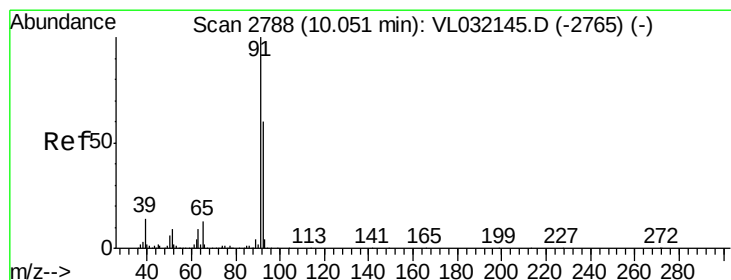
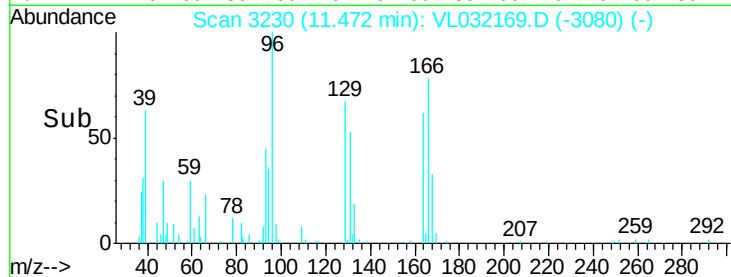
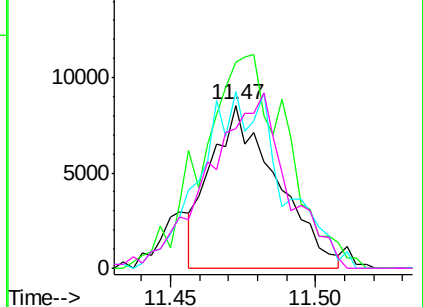


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 11.483 ppbv

RT: 10.05 min Scan# 2787

Delta R.T. -0.02 min

Lab File: VL032169.D

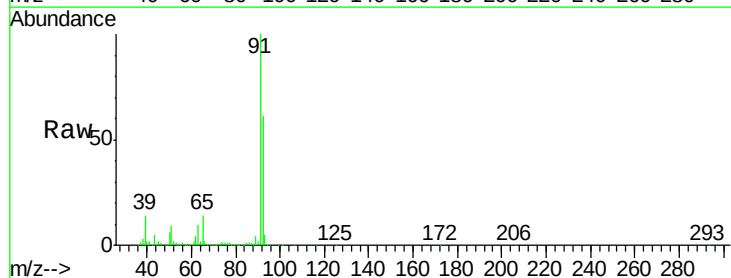
Acq: 30 Jun 2018 13:51

Tgt Ion: 91 Resp: 4033705

Ion Ratio Lower Upper

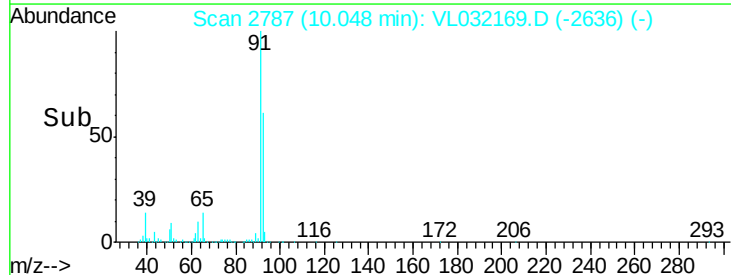
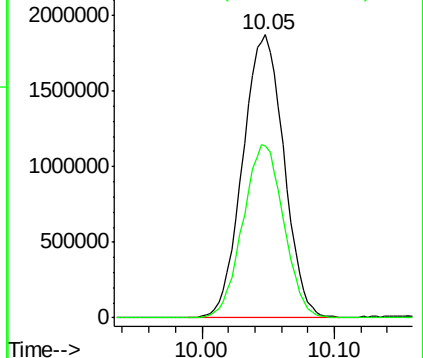
91 100

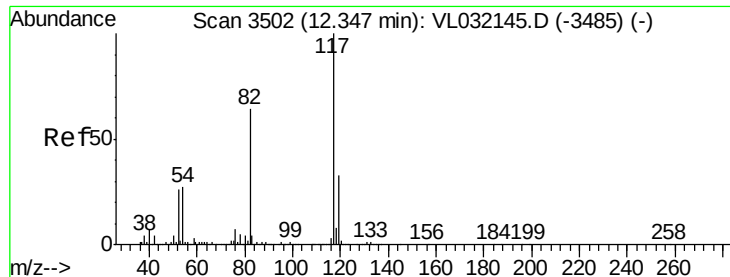
92 60.8 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

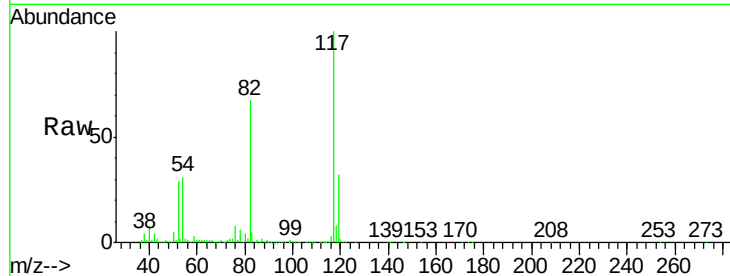




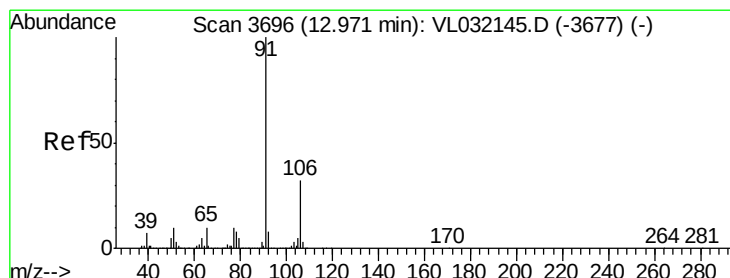
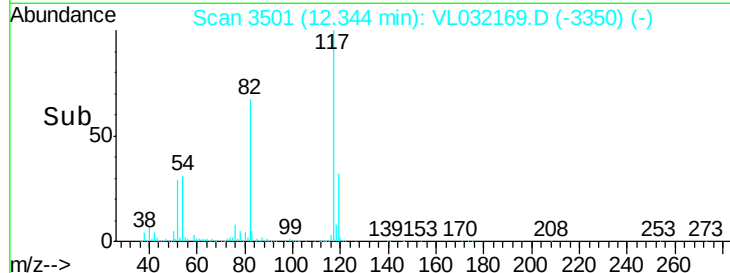
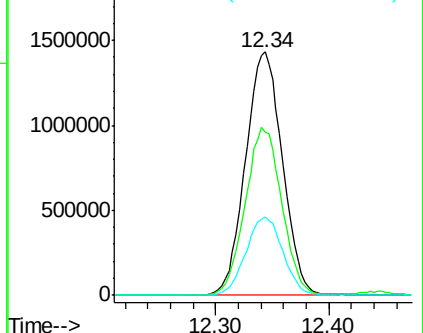
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3501
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

Tgt Ion: 117 Resp: 3246513
Ion Ratio Lower Upper
117 100
82 68.3 47.8 71.8
119 32.4 43.3 64.9#

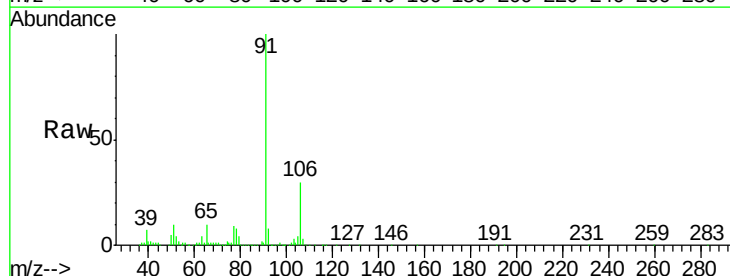


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

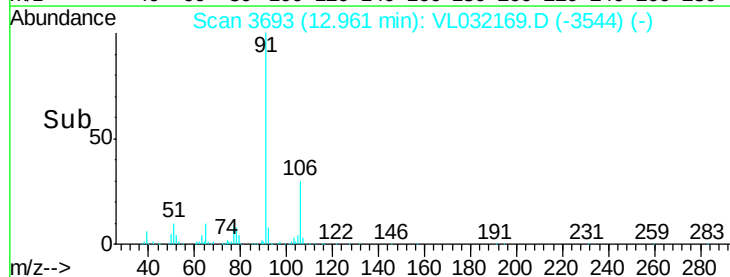
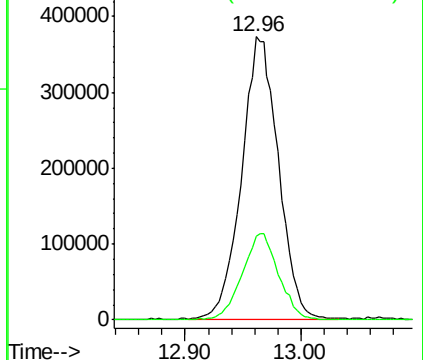


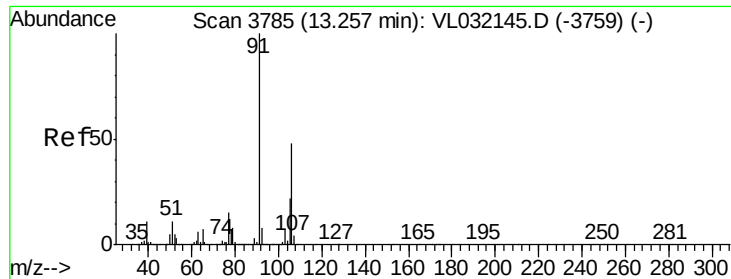
#58
Ethyl Benzene
Concen: 1.558 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion: 91 Resp: 815024
Ion Ratio Lower Upper
91 100
106 29.6 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

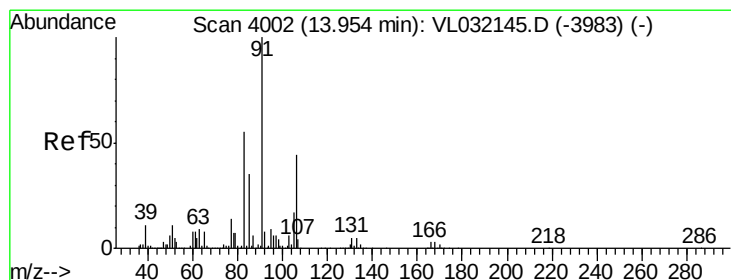
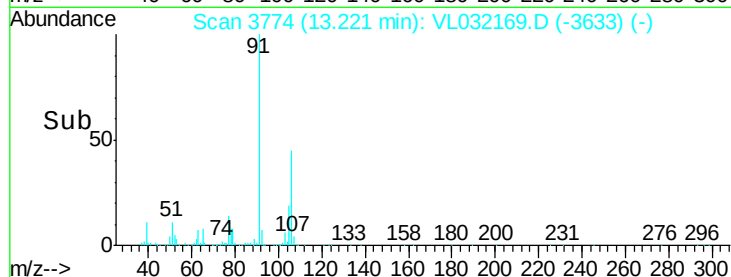
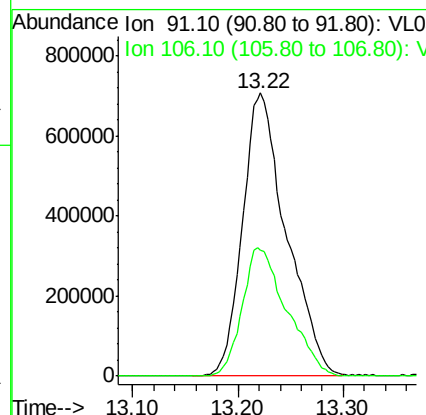
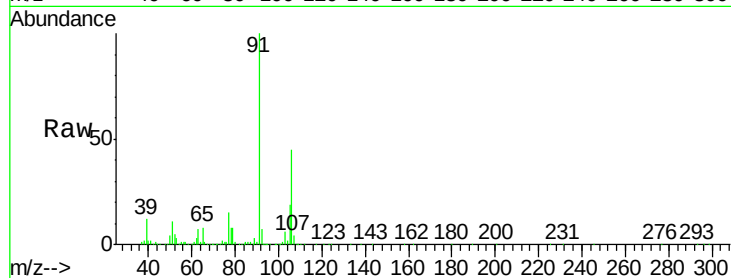




#59
m/p-Xylene
Concen: 4.876 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. -0.05 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

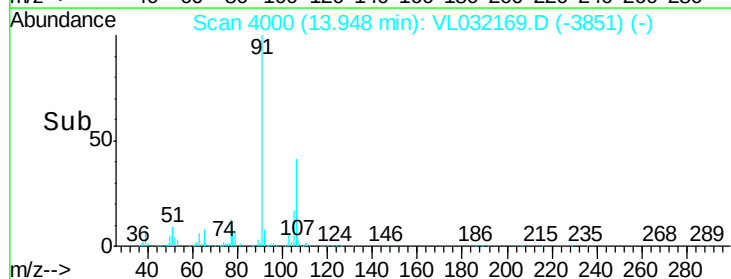
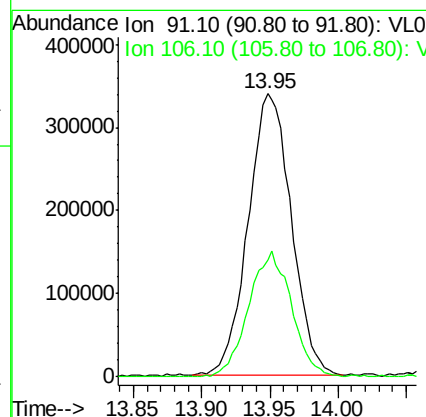
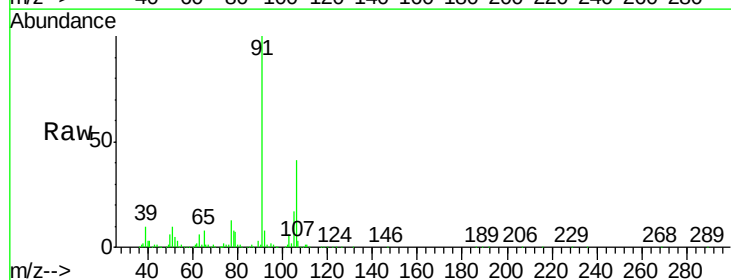
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

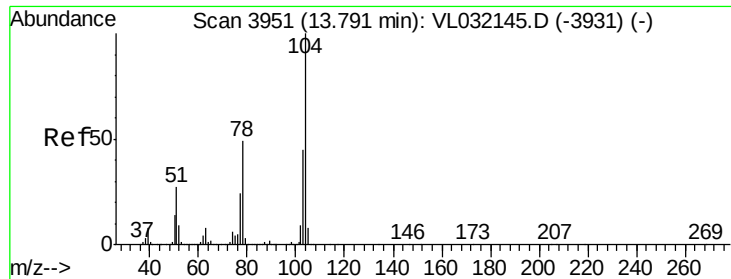
Tgt Ion: 91 Resp: 2044867
Ion Ratio Lower Upper
91 100
106 46.1 38.6 58.0



#60
o-Xylene
Concen: 1.779 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion: 91 Resp: 743971
Ion Ratio Lower Upper
91 100
106 44.6 23.3 69.8

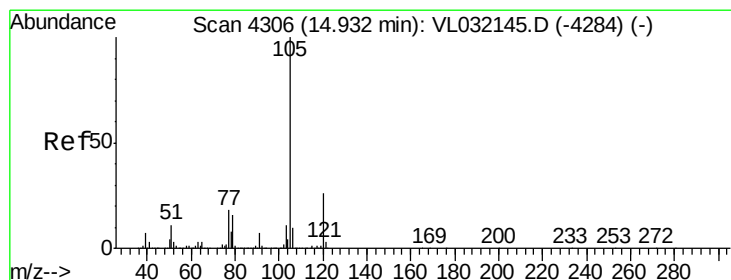
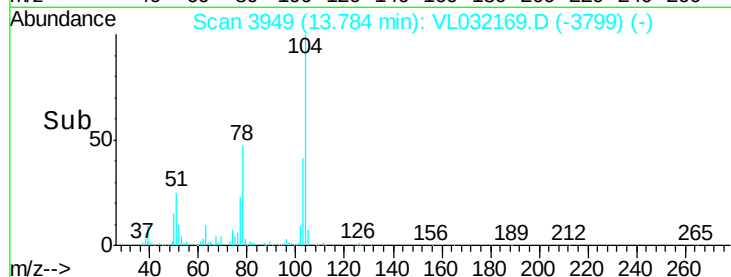
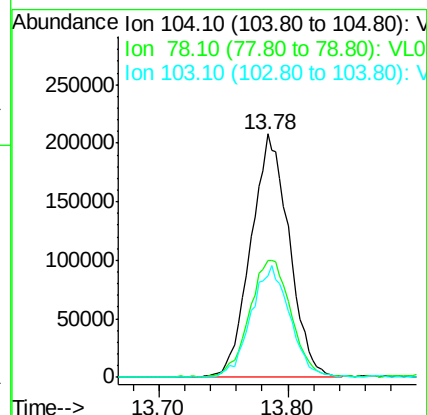
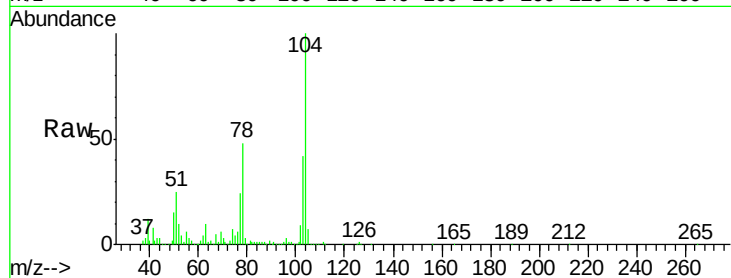




#61
Styrene
Concen: 1.256 ppbv
RT: 13.78 min Scan# 3949
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

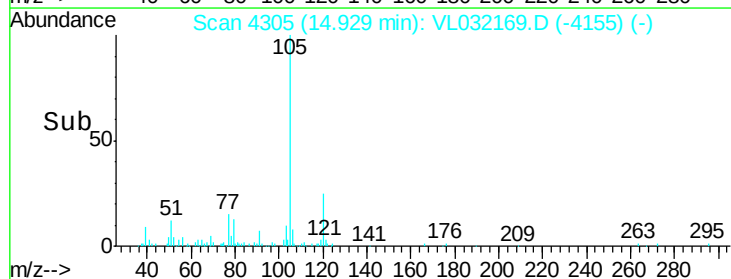
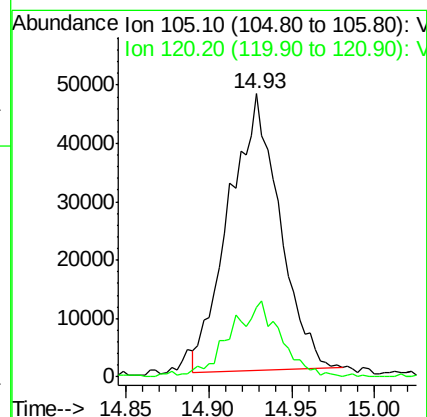
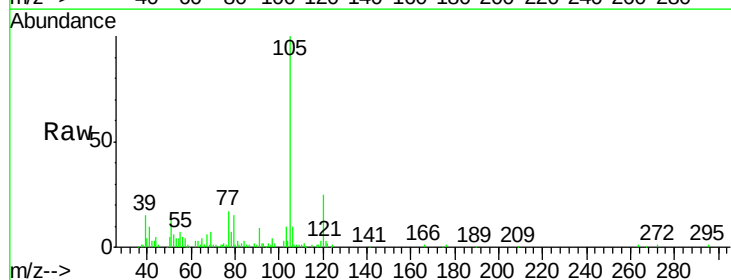
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

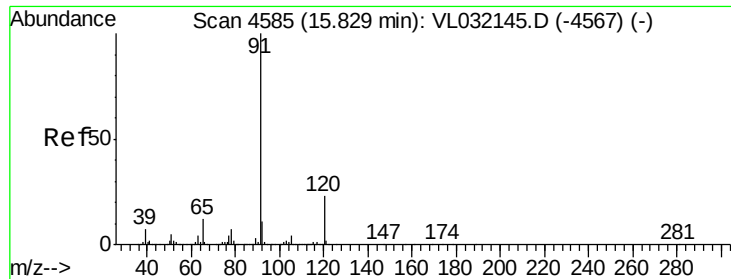
Tgt Ion:104 Resp: 430385
Ion Ratio Lower Upper
104 100
78 52.2 37.9 56.9
103 46.6 36.6 55.0



#62
Isopropylbenzene
Concen: 0.156 ppbv
RT: 14.93 min Scan# 4305
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion:105 Resp: 100455
Ion Ratio Lower Upper
105 100
120 28.3 21.0 31.4

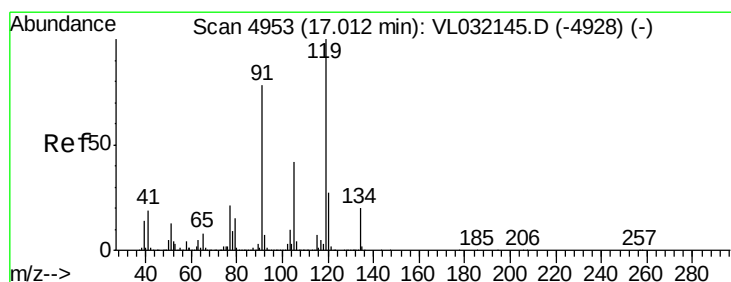
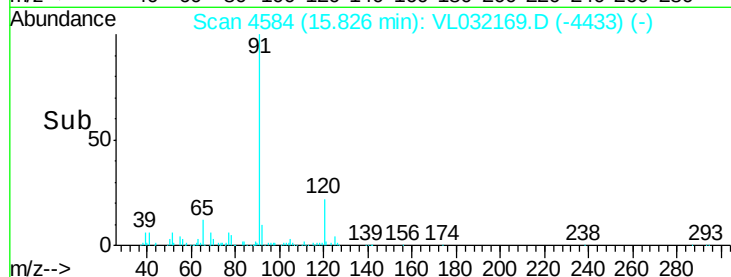
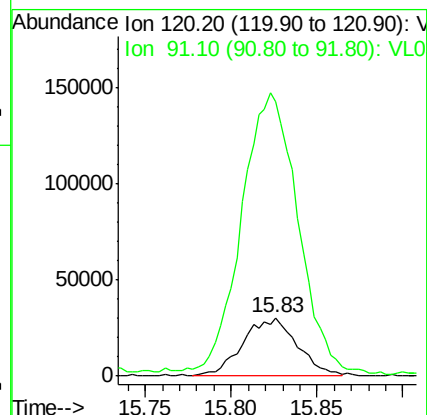
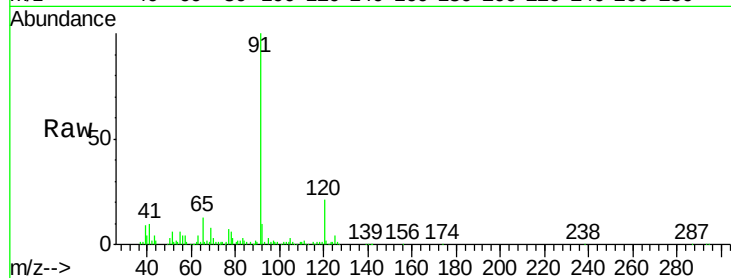




#64
n-propylbenzene
Concen: 0.388 ppbv
RT: 15.83 min Scan# 4584
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

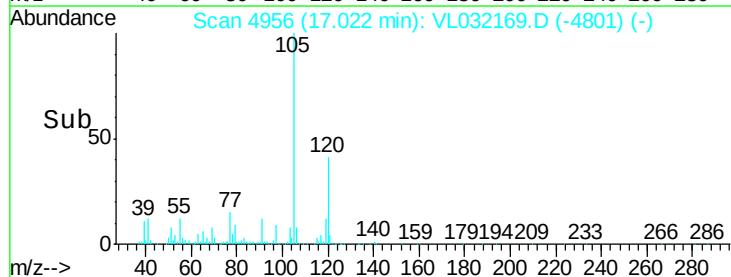
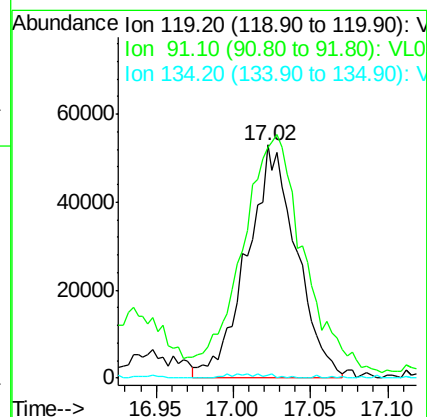
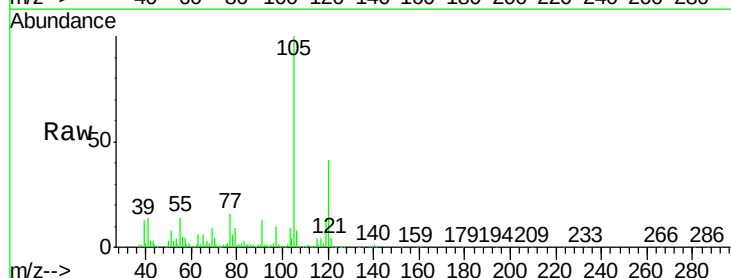
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

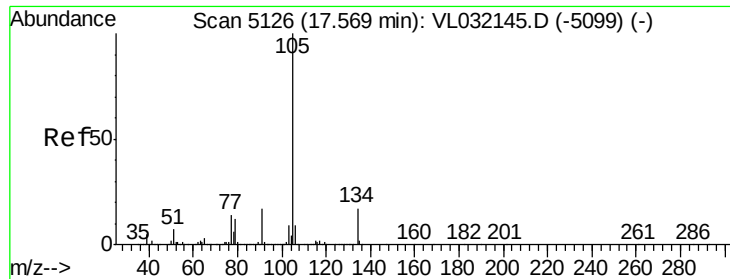
Tgt Ion:120 Resp: 64616
Ion Ratio Lower Upper
120 100
91 521.0 357.4 536.0



#65
tert-Butylbenzene
Concen: 0.207 ppbv
RT: 17.02 min Scan# 4956
Delta R.T. -0.00 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion:119 Resp: 117136
Ion Ratio Lower Upper
119 100
91 129.9 62.2 93.2#
134 1.5 16.2 24.2#





#67

sec-Butylbenzene

Concen: 0.083 ppbv

RT: 17.56 min Scan# 5124

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

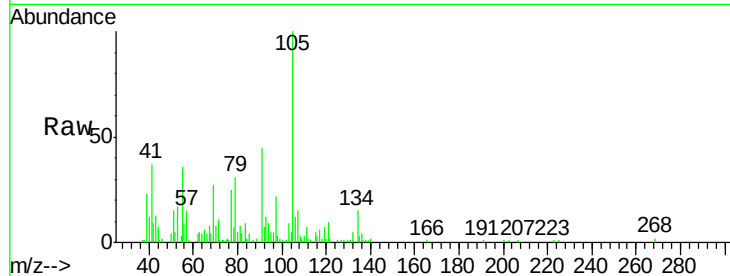
RESIDENT-C-INDOOR

Tgt Ion:105 Resp: 68959

Ion Ratio Lower Upper

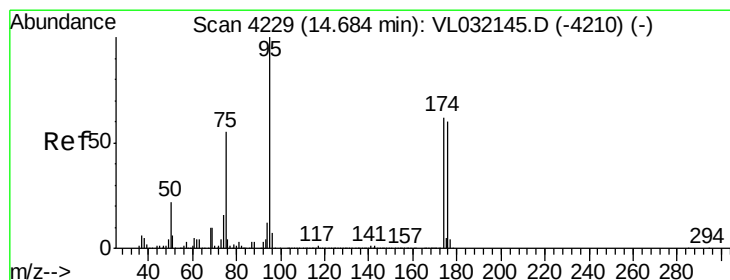
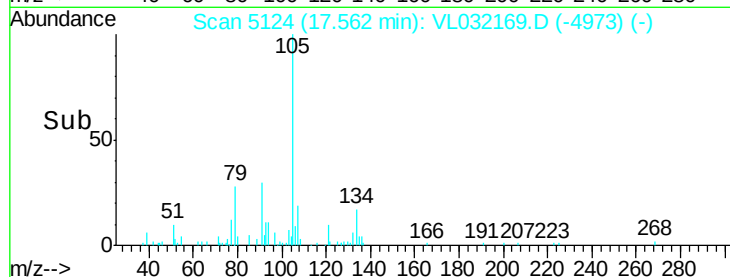
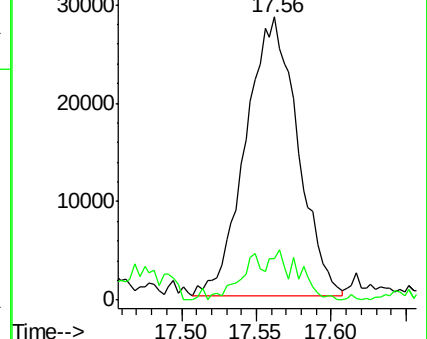
105 100

134 17.4 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.653 ppbv

RT: 14.68 min Scan# 4227

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

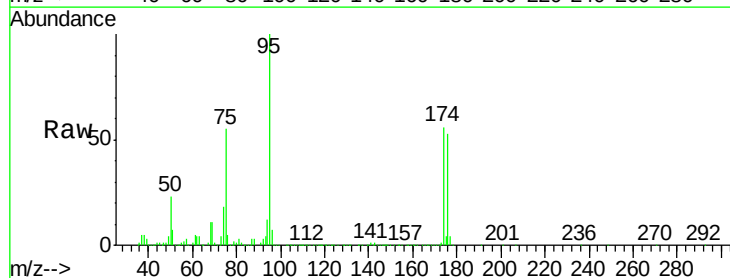
Tgt Ion: 95 Resp: 2395437

Ion Ratio Lower Upper

95 100

174 57.9 52.1 78.1

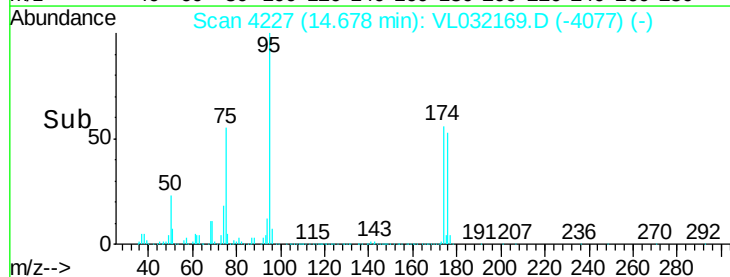
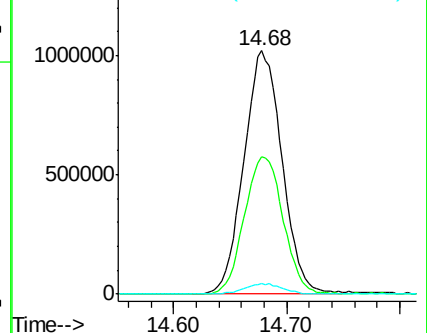
175 4.3 4.0 6.0

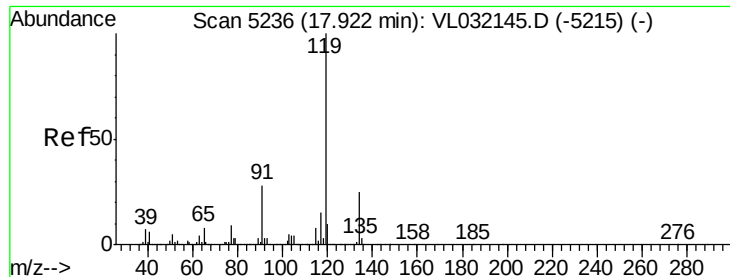


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.122 ppbv

RT: 17.91 min Scan# 5232

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

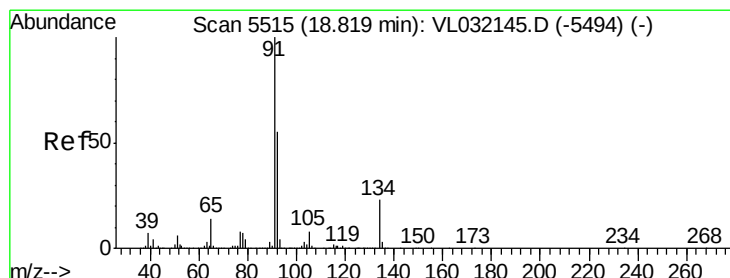
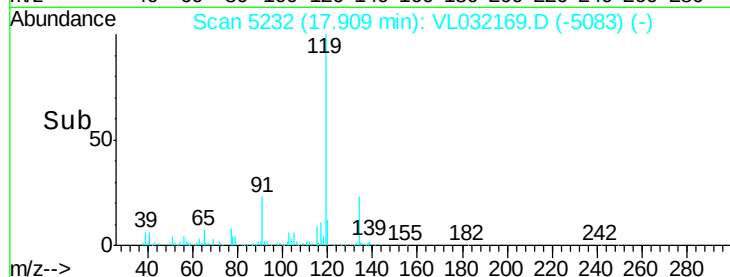
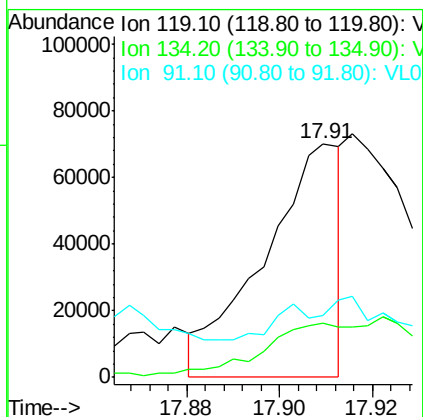
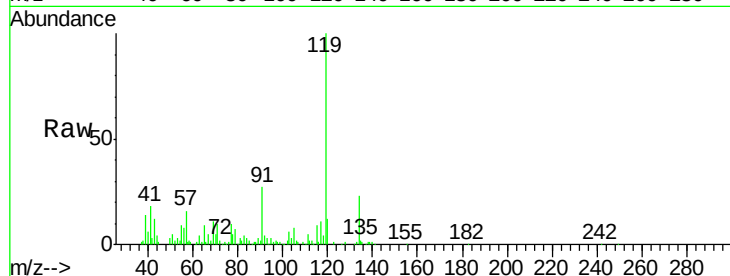
Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tgt Ion:	119	Resp:	80947
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.7	31.1#
91	0.0	21.8	32.8#



#70

n-Butylbenzene

Concen: 0.082 ppbv

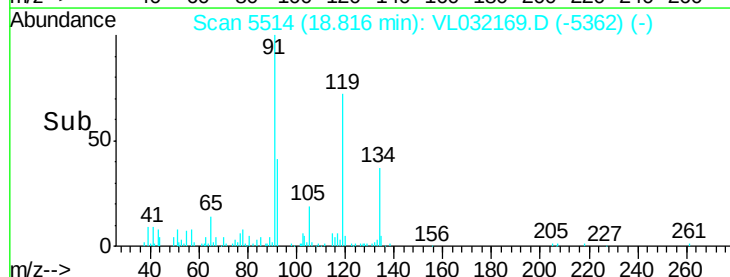
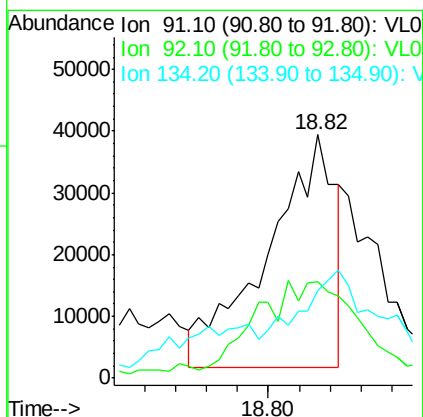
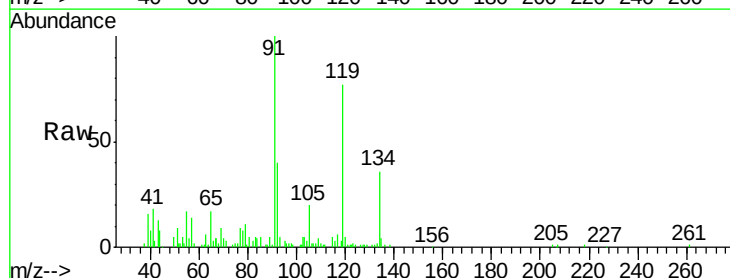
RT: 18.82 min Scan# 5514

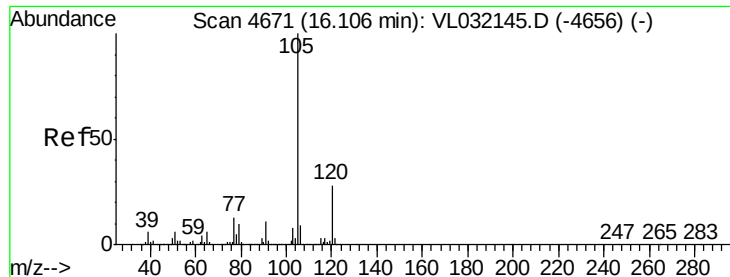
Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Tgt Ion:	91	Resp:	56909
Ion	Ratio	Lower	Upper
91	100		
92	69.1	43.7	65.5#
134	94.8	18.9	28.3#





#72

4-Ethyltoluene

Concen: 0.653 ppbv

RT: 16.10 min Scan# 4669

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tgt Ion:105 Resp: 352873

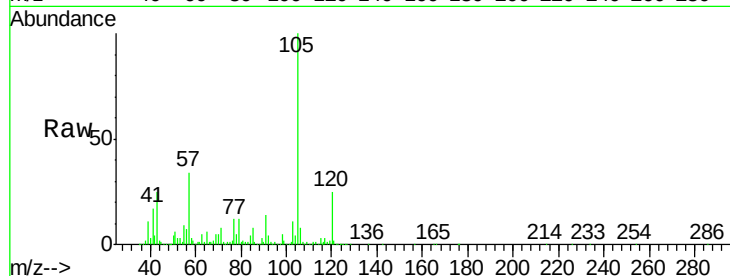
Ion Ratio Lower Upper

105 100

120 28.3 24.3 36.5

91 12.3 9.4 14.0

77 14.1 10.2 15.2



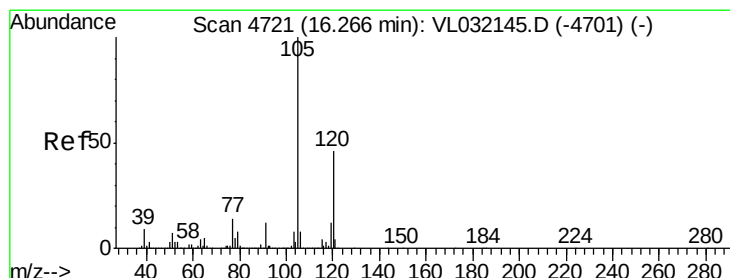
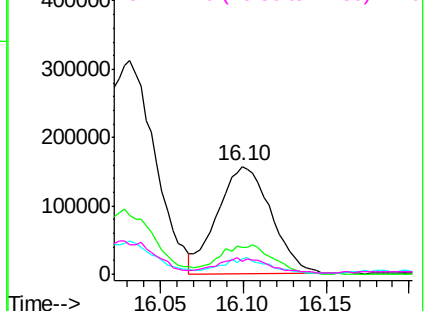
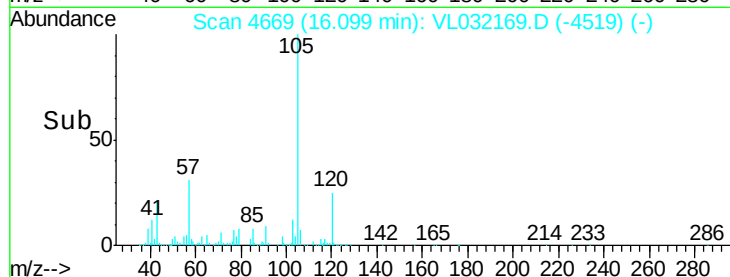
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.624 ppbv

RT: 16.26 min Scan# 4719

Delta R.T. -0.02 min

Lab File: VL032169.D

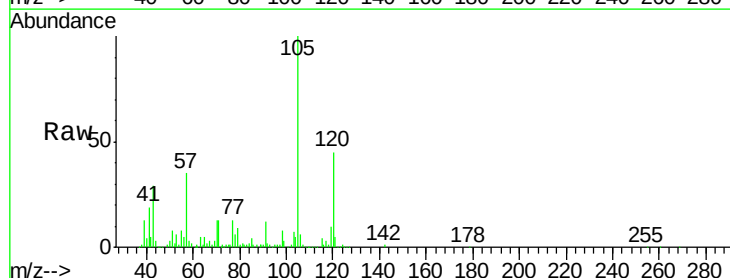
Acq: 30 Jun 2018 13:51

Tgt Ion:105 Resp: 317621

Ion Ratio Lower Upper

105 100

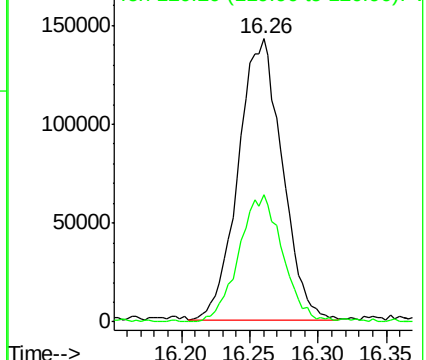
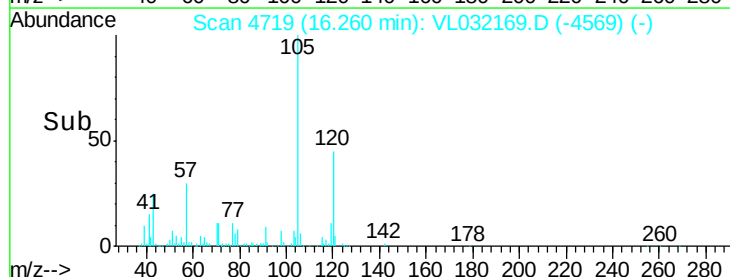
120 44.2 38.6 57.8

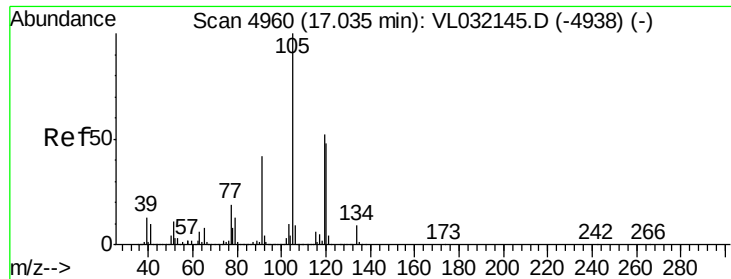


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

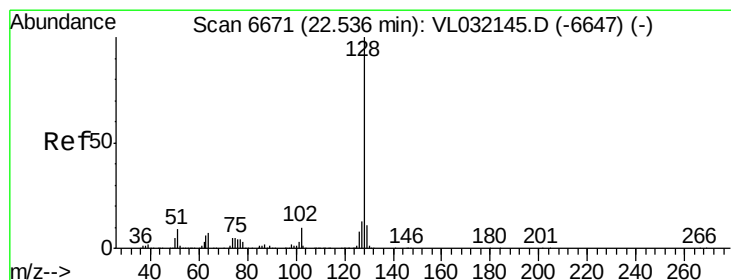
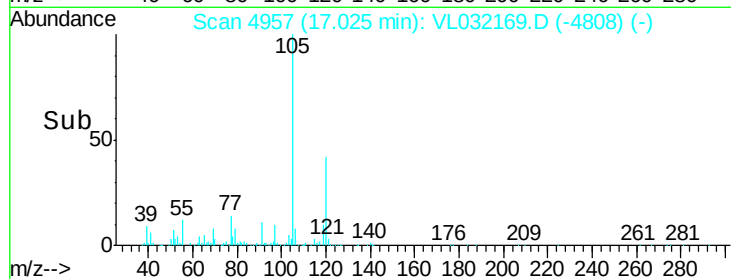
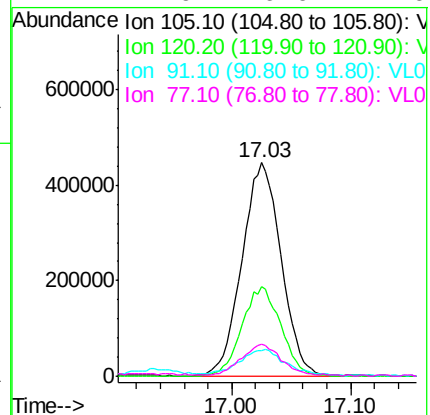
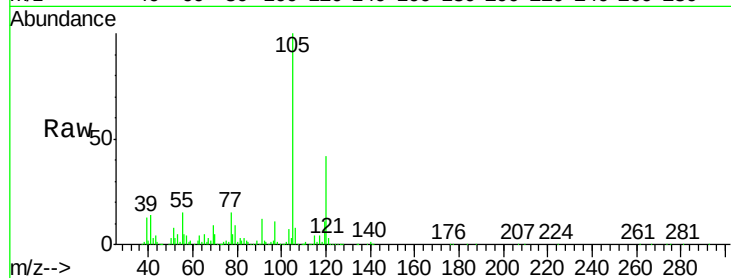




#74
 1,2,4-Trimethylbenzene
 Concen: 1.973 ppbv
 RT: 17.03 min Scan# 4957
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

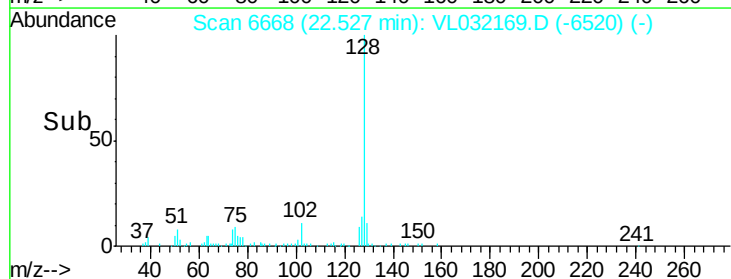
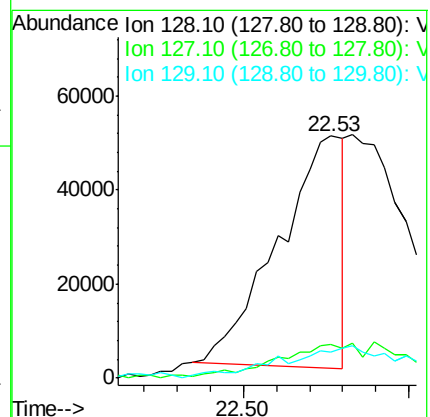
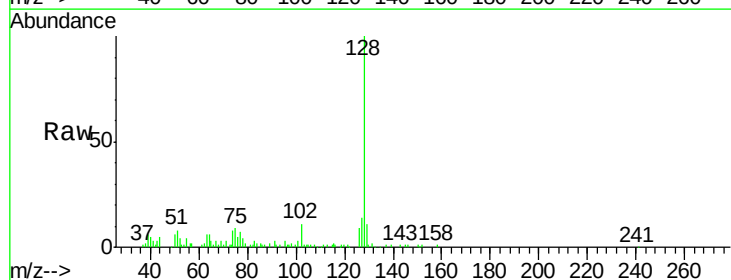
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

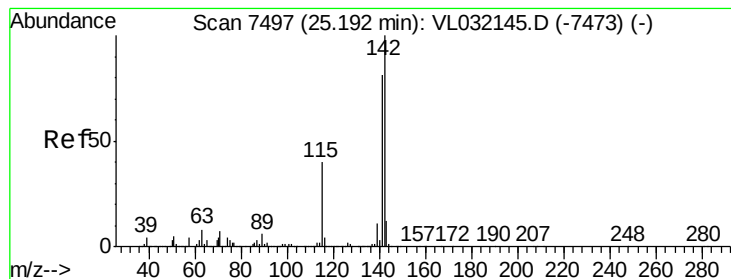
Tgt Ion:	105	Resp:	1013232
Ion	Ratio	Lower	Upper
105	100		
120	41.5	38.8	58.2
91	11.7	33.6	50.4#
77	14.9	16.0	24.0#



#79
 Naphthalene
 Concen: 0.145 ppbv
 RT: 22.53 min Scan# 6668
 Delta R.T. -0.03 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion:	128	Resp:	67896
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.5	15.7
129	10.0	9.0	13.6





#80
 Naphthalene, 2-methyl-
 Concen: 0.217 ppbv
 RT: 25.50 min Scan# 7593
 Delta R.T. 0.30 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tgt Ion:	142	Resp:	36481
Ion	Ratio	Lower	Upper
142	100		
141	86.6	65.8	98.6
115	37.9	29.4	44.0

