

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032159.D
 Acq On : 30 Jun 2018 7:15
 Operator : SY/AP
 Sample : J3601-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-A-INDOOR

Quant Time: Jul 02 00:48:29 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	1498512	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3875584	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3513700	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	2631046	9.80	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	145583	0.738	ppbv	96
3) Chlorodifluoromethane	3.04	51	2675029	14.610	ppbv #	63
4) Chloromethane	3.23	50	62275	0.637	ppbv	100
9) Propene	3.30	41	328570	3.850	ppbv	92
10) Heptane	8.33	43	44396	0.178	ppbv #	28
11) Trichlorofluoromethane	4.07	101	45610	0.214	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.63	101	11190	0.079	ppbv	95
13) Ethanol	3.72	45	1990154	76.930	ppbv	100
15) Acetone	3.97	43	3003412	17.141	ppbv	94
16) 1,3-Butadiene	3.40	39	18197	0.218	ppbv #	2
17) tert-Butyl alcohol	4.45	59	39729	0.356	ppbv #	73
19) Isopropyl Alcohol	4.11	45	257814	1.771	ppbv #	1
20) Methylene Chloride	4.48	84	41679	0.651	ppbv	95
21) Allyl Chloride	4.48	41	3678	0.031	ppbv #	21
23) Vinyl Acetate	5.22	43	141293	0.445	ppbv #	85
25) Ethyl Acetate	5.85	43	558604	1.541	ppbv #	93
26) Hexane	5.86	57	138408	0.829	ppbv #	24
29) Chloroform	5.93	83	235607	0.970	ppbv	92
34) 2-Butanone	5.41	43	196163	0.797	ppbv	97
35) Carbon Tetrachloride	7.23	117	12582	0.047	ppbv #	90
36) Benzene	7.10	78	76556	0.204	ppbv	96
37) 1,2-Dichloroethane	6.50	62	75179	0.402	ppbv	100
39) 1,2-Dichloropropane	7.38	63	999670	6.757	ppbv #	26
41) Tetrahydrofuran	6.25	42	60125	0.408	ppbv	96
44) 2,2,4-Trimethylpentane	8.08	57	61025	0.093	ppbv #	70
50) 4-Methyl-2-Pentanone	8.98	43	86630	0.215	ppbv	100
52) Tetrachloroethene	11.48	164	14907	0.109	ppbv #	83
53) Toluene	10.04	91	1511989	3.335	ppbv	99
58) Ethyl Benzene	12.96	91	324383	0.573	ppbv	91
59) m/p-Xylene	13.23	91	257650	0.568	ppbv #	29
60) o-Xylene	13.95	91	215266	0.475	ppbv	94
61) Styrene	13.78	104	61237	0.165	ppbv	92
69) p-Isopropyltoluene	17.91	119	23227	0.032	ppbv #	38
71) 2-Chlorotoluene	15.82	91	34764	0.065	ppbv #	43
72) 4-Ethyltoluene	16.10	105	36589	0.063	ppbv #	86
73) 1,3,5-Trimethylbenzene	16.26	105	51102	0.093	ppbv	88
74) 1,2,4-Trimethylbenzene	17.03	105	96669	0.174	ppbv #	74
79) Naphthalene	22.52	128	15324	0.030	ppbv #	92
80) Naphthalene,2-methyl-	25.20	142	11632	0.064	ppbv	93

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Quant Time: Jul 02 00:48:29 2018
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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

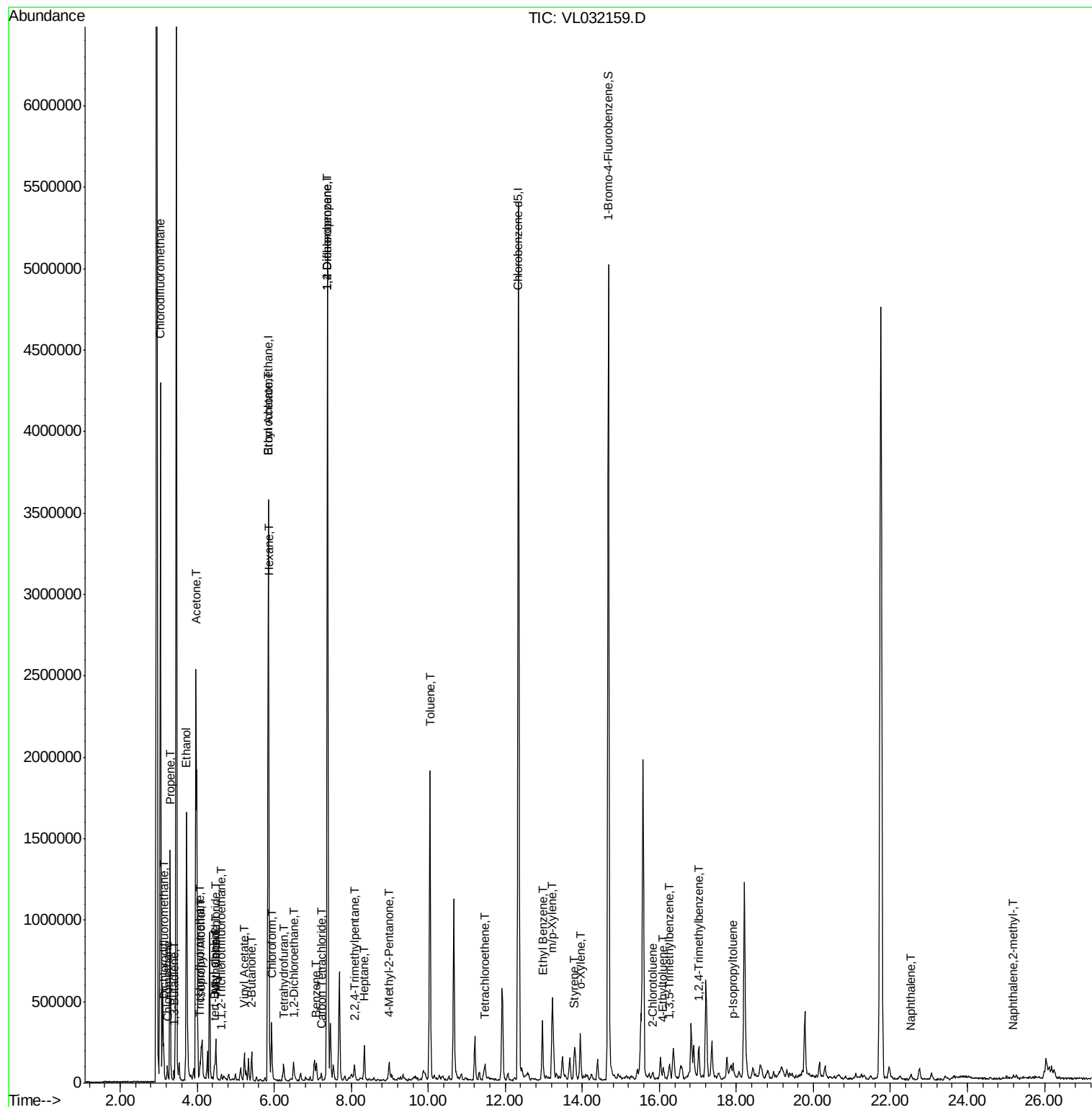
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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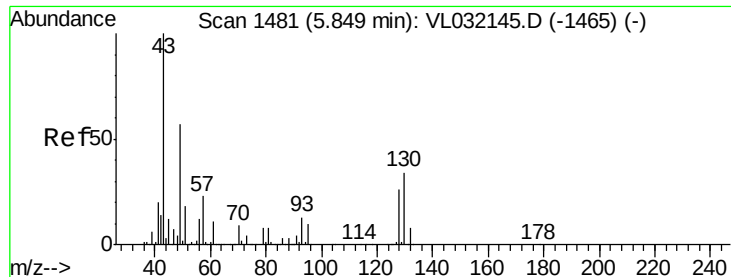
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032159.D

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ClientSampleId :

RESIDENT-A-INDOOR

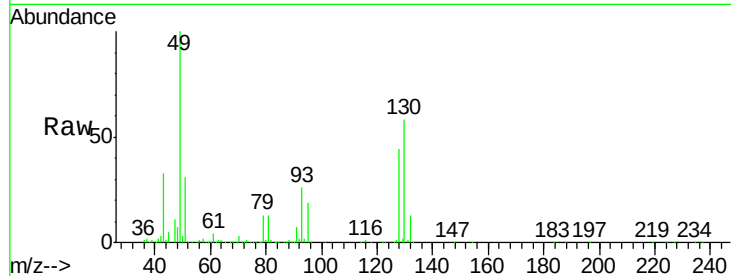
Tgt Ion: 49 Resp: 1498512

Ion Ratio Lower Upper

49 100

128 45.0 23.4 70.0

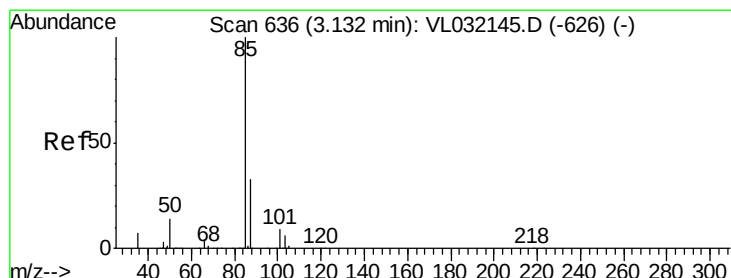
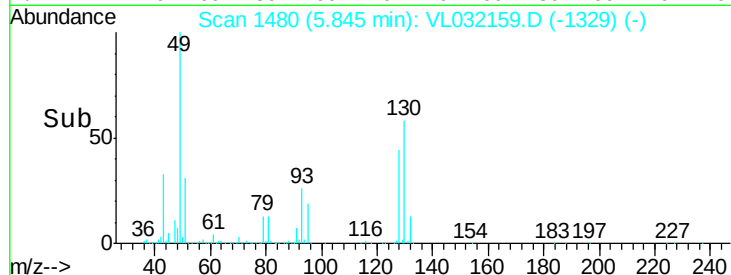
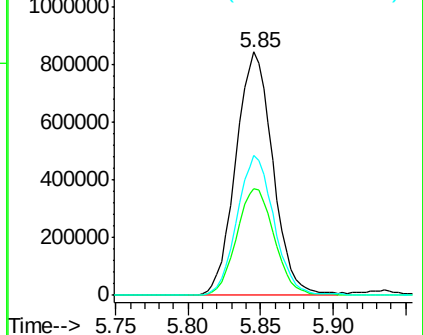
130 57.8 30.3 90.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.738 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.01 min

Lab File: VL032159.D

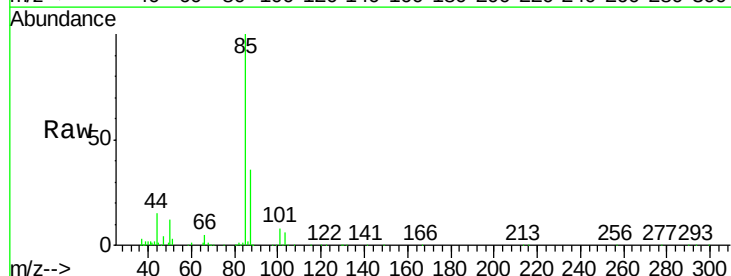
Acq: 30 Jun 2018 7:15

Tgt Ion: 85 Resp: 145583

Ion Ratio Lower Upper

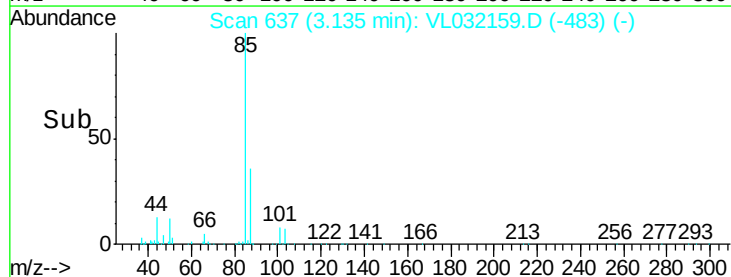
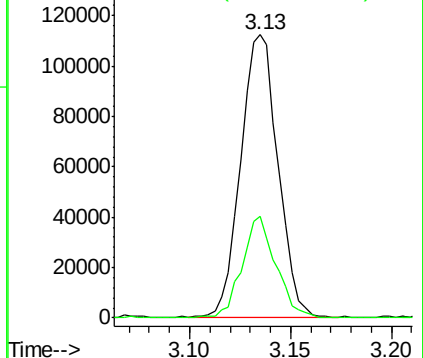
85 100

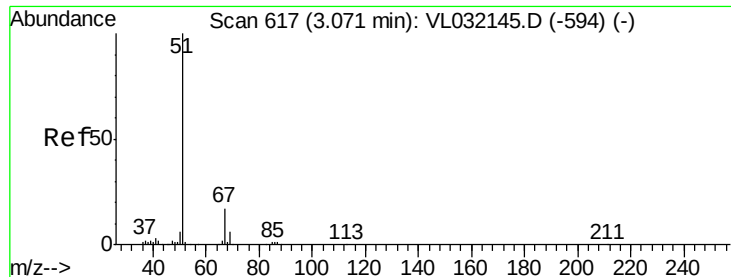
87 35.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 14.610 ppbv

RT: 3.04 min Scan# 609

Delta R.T. -0.03 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

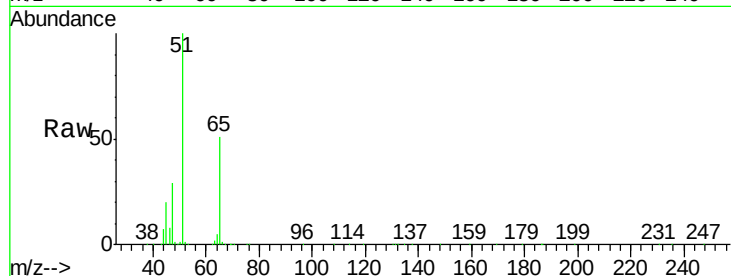
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Tgt Ion: 51 Resp: 2675029

Ion Ratio Lower Upper

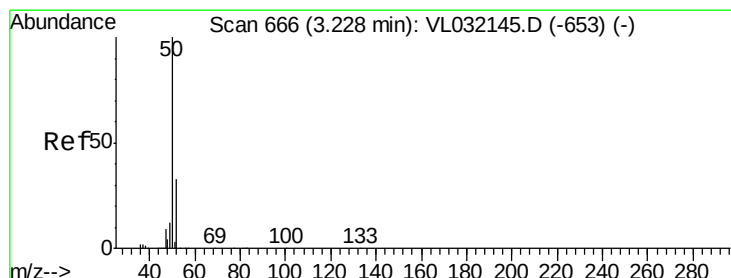
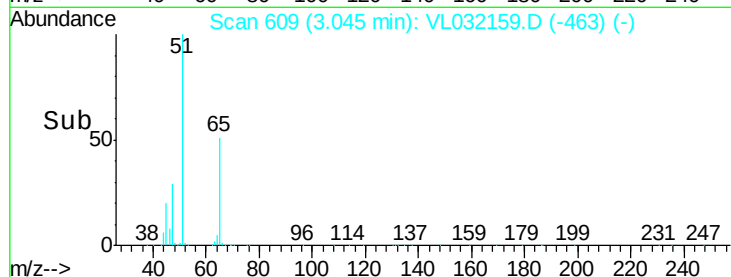
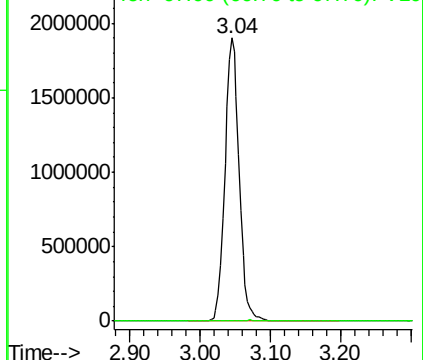
51 100

67 0.4 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: 0.637 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032159.D

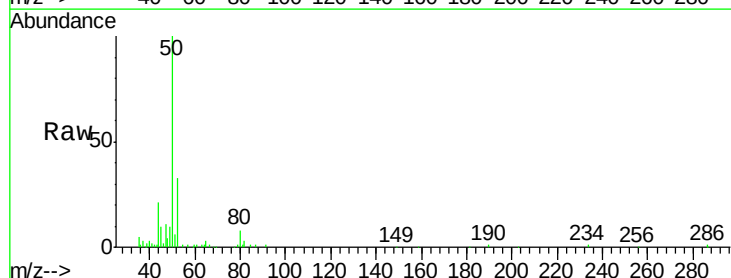
Acq: 30 Jun 2018 7:15

Tgt Ion: 50 Resp: 62275

Ion Ratio Lower Upper

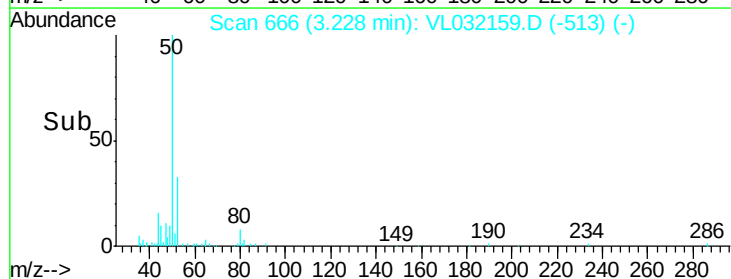
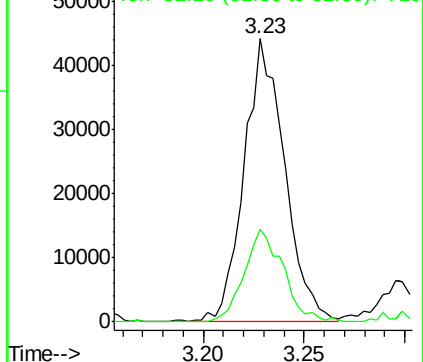
50 100

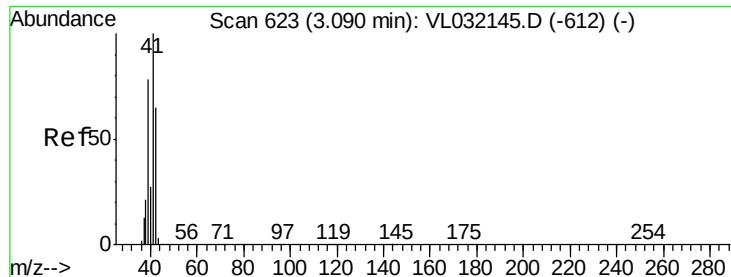
52 32.7 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 3.850 ppbv

RT: 3.30 min Scan# 688

Delta R.T. 0.20 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

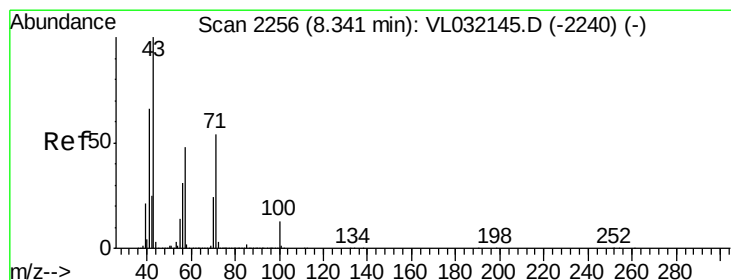
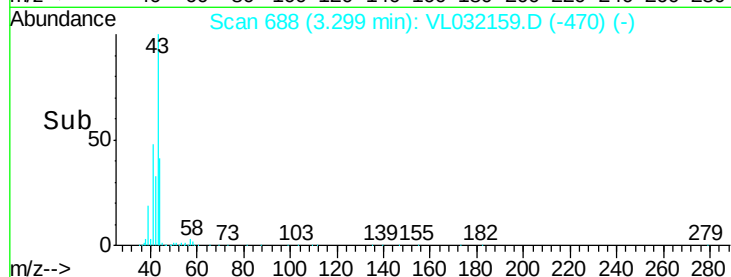
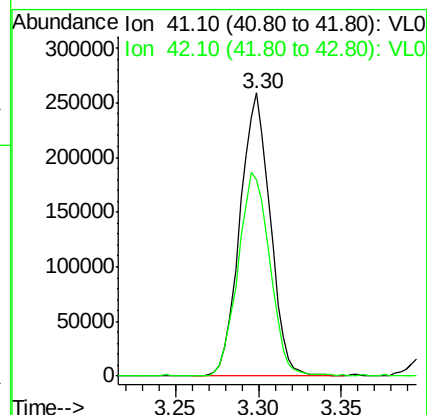
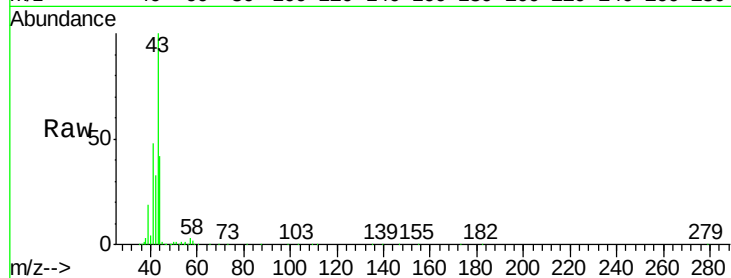
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Tgt Ion: 41 Resp: 328570

Ion Ratio Lower Upper

41 100

42 76.6 56.2 84.4



#10

Heptane

Concen: 0.178 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. -0.02 min

Lab File: VL032159.D

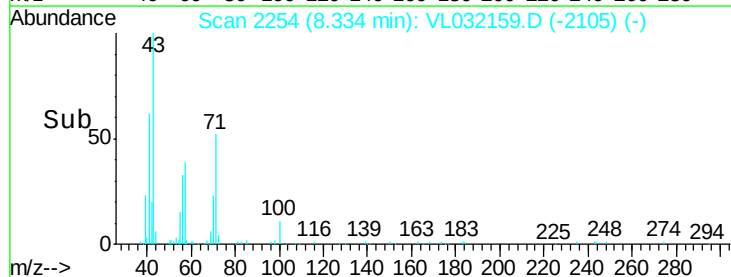
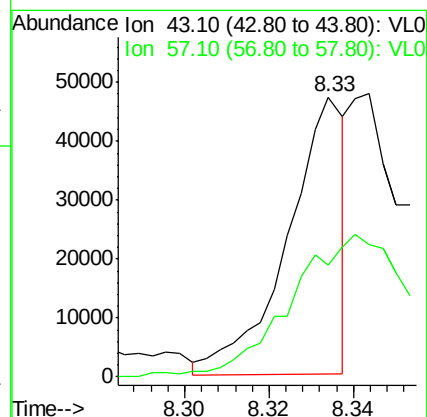
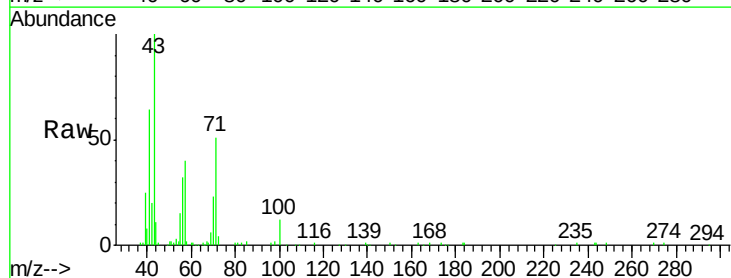
Acq: 30 Jun 2018 7:15

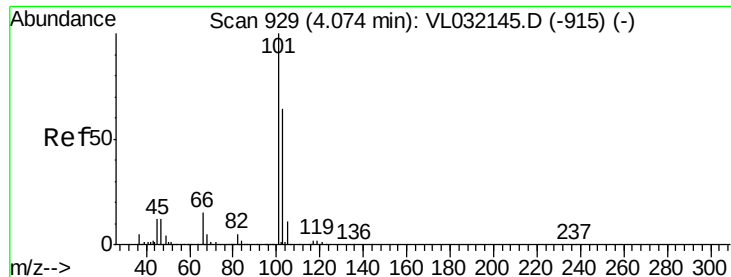
Tgt Ion: 43 Resp: 44396

Ion Ratio Lower Upper

43 100

57 0.0 39.8 59.8#





#11

Trichlorofluoromethane

Concen: 0.214 ppbv

RT: 4.07 min Scan# 929

Delta R.T. -0.01 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

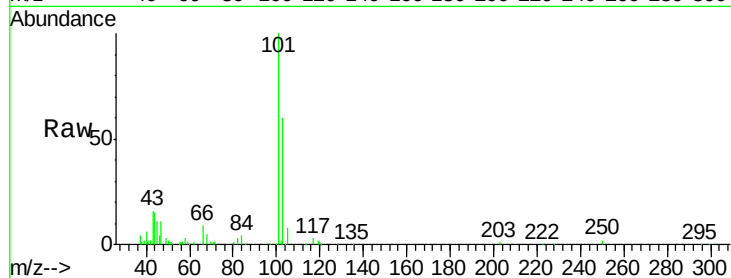
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Tgt Ion:101 Resp: 45610

Ion Ratio Lower Upper

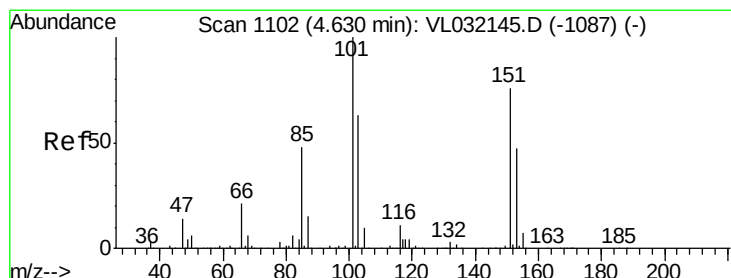
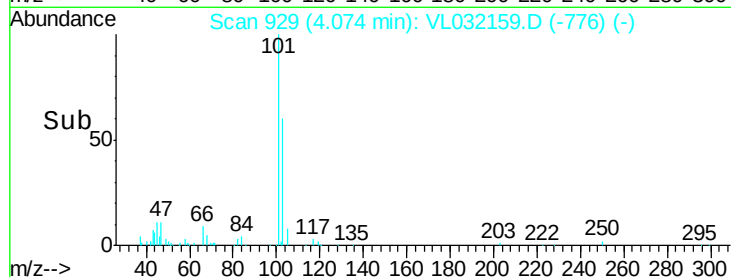
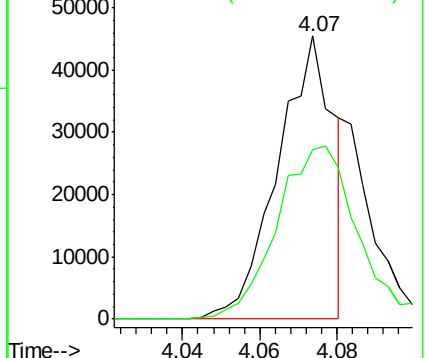
101 100

103 59.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.079 ppbv

RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VL032159.D

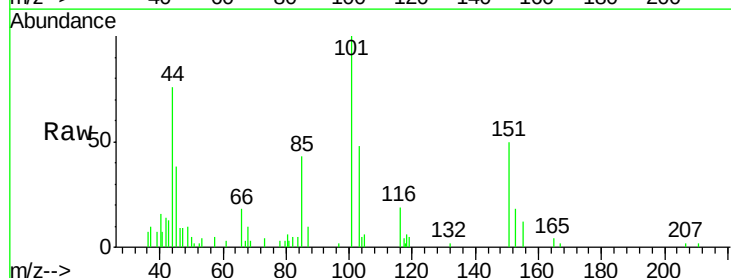
Acq: 30 Jun 2018 7:15

Tgt Ion:101 Resp: 11190

Ion Ratio Lower Upper

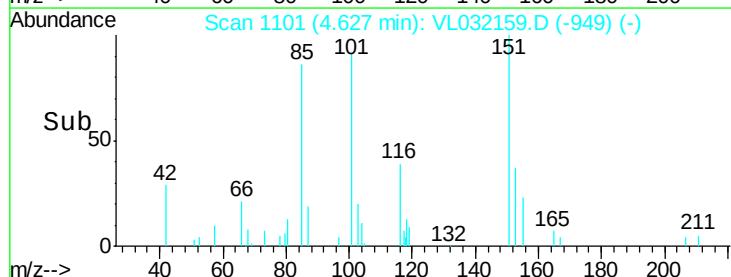
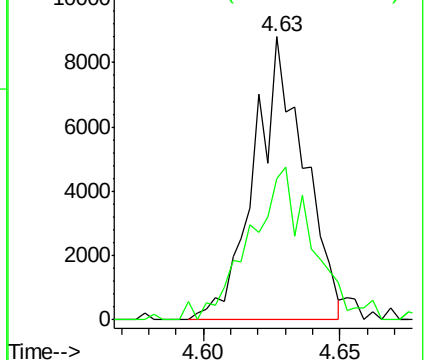
101 100

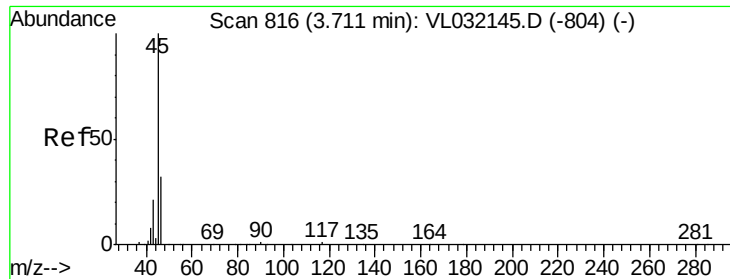
151 69.1 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

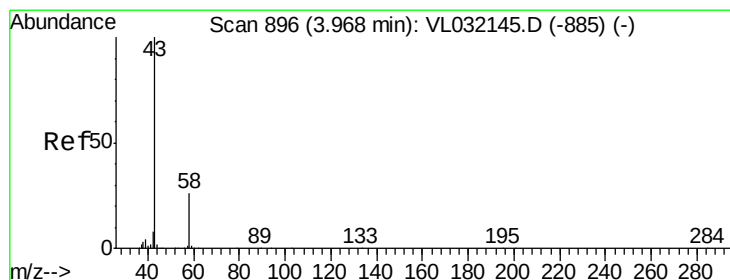
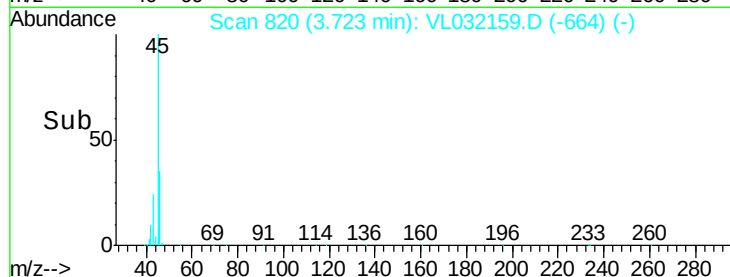
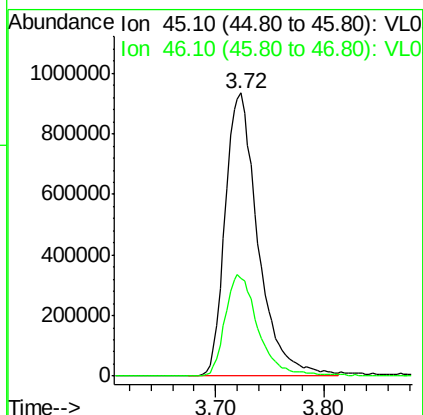
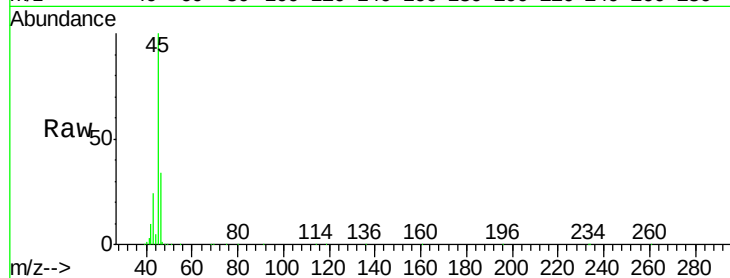




#13
Ethanol
Concen: 76.930 ppbv
RT: 3.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

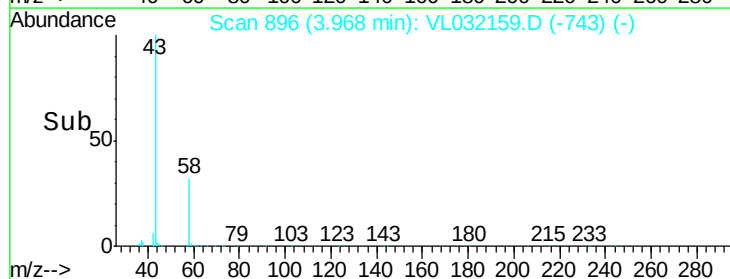
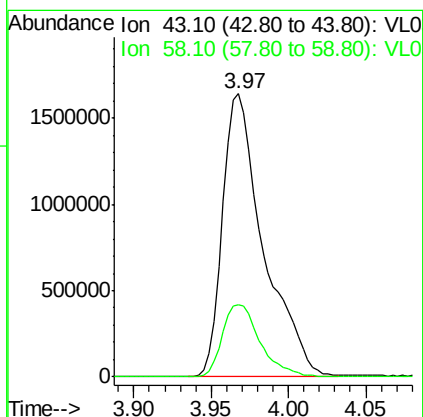
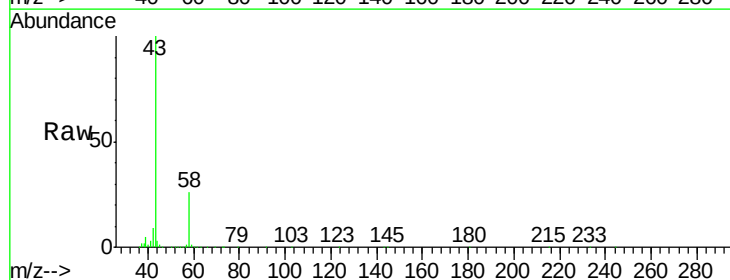
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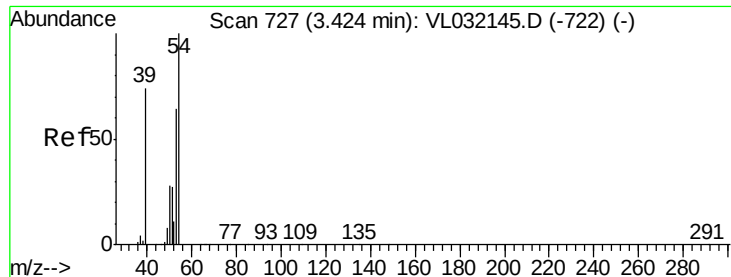
Tgt Ion: 45 Resp: 1990154
Ion Ratio Lower Upper
45 100
46 36.4 14.6 58.4



#15
Acetone
Concen: 17.141 ppbv
RT: 3.97 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

Tgt Ion: 43 Resp: 3003412
Ion Ratio Lower Upper
43 100
58 23.8 21.4 32.0

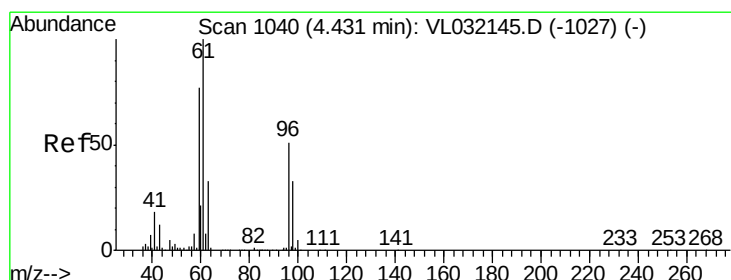
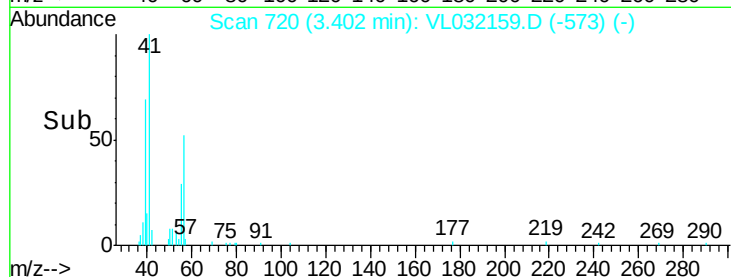
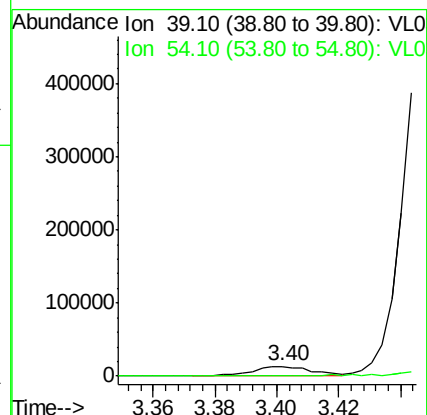
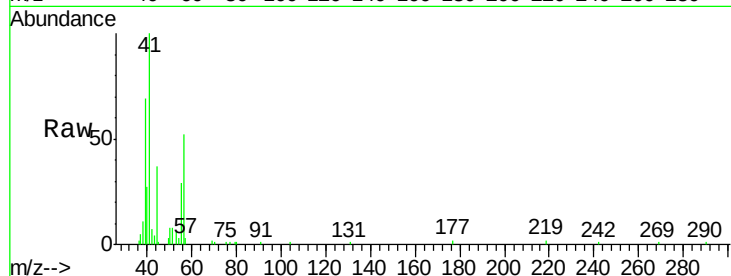




#16
1,3-Butadiene
Concen: 0.218 ppbv
RT: 3.40 min Scan# 720
Delta R.T. -0.03 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

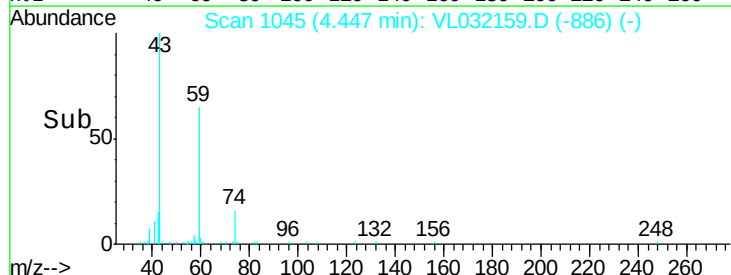
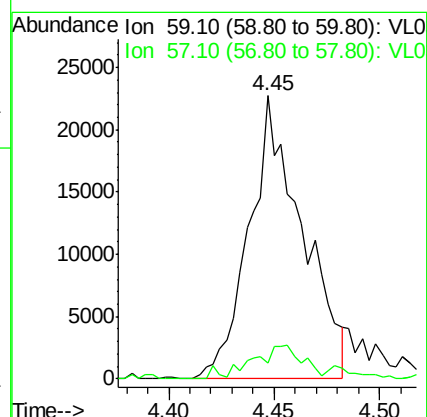
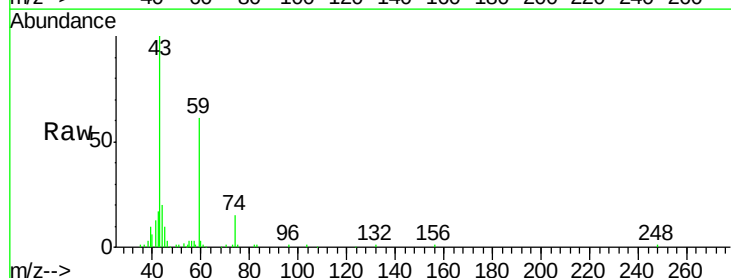
Instrument :
MSVOA_L
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RESIDENT-A-INDOOR

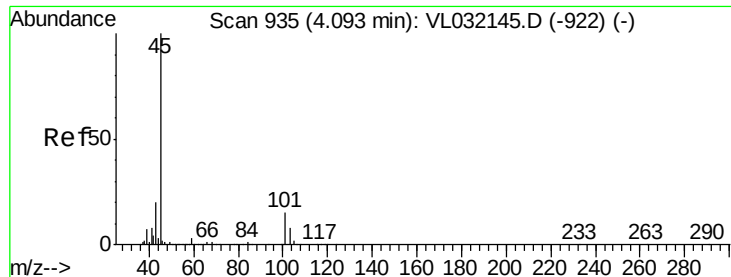
Tgt Ion: 39 Resp: 18197
Ion Ratio Lower Upper
39 100
54 0.0 75.8 113.6#



#17
tert-Butyl alcohol
Concen: 0.356 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

Tgt Ion: 59 Resp: 39729
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 1.771 ppbv

RT: 4.11 min Scan# 939

Delta R.T. 0.00 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Instrument :

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ClientSampleId :

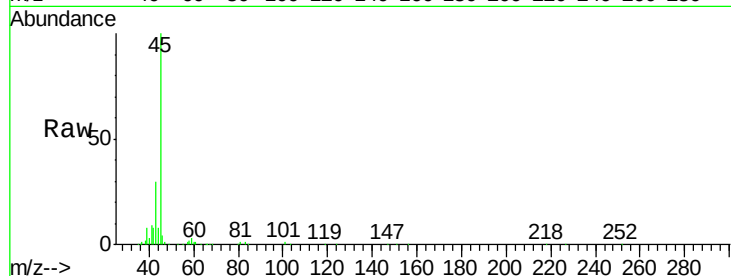
RESIDENT-A-INDOOR

Tgt Ion: 45 Resp: 257814

Ion Ratio Lower Upper

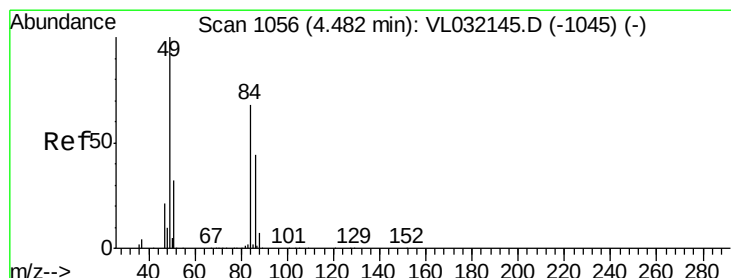
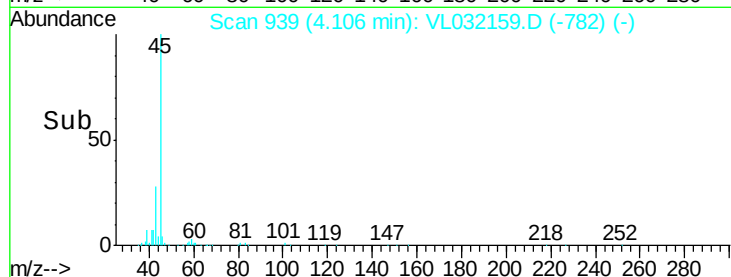
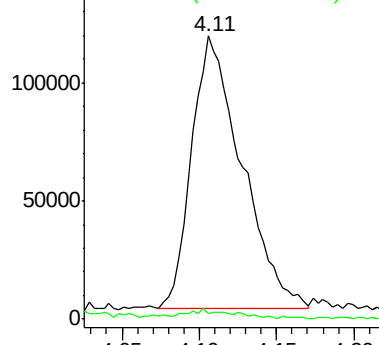
45 100

58 276.9 29.4 44.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.651 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Tgt Ion: 84 Resp: 41679

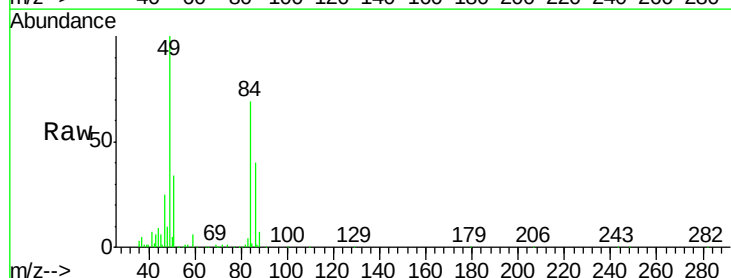
Ion Ratio Lower Upper

84 100

49 143.6 119.6 179.4

51 47.9 36.3 54.5

86 58.2 49.7 74.5

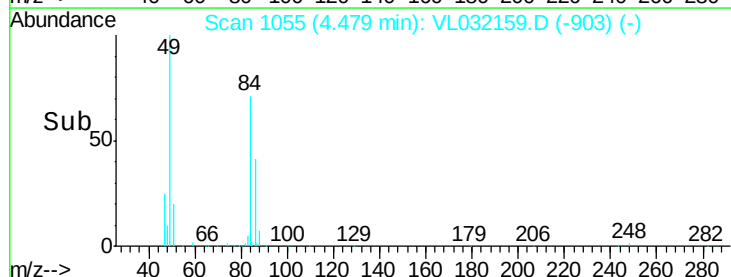
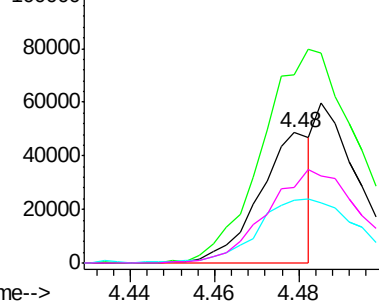


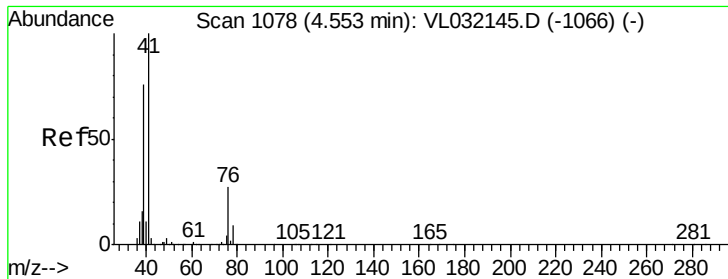
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

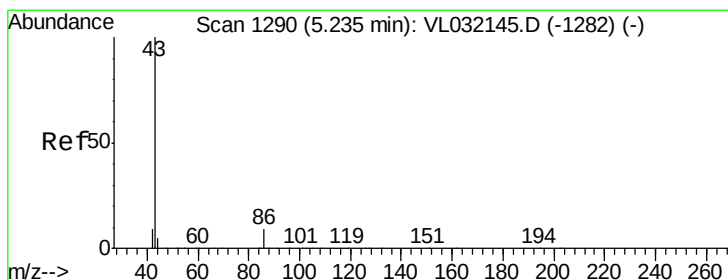
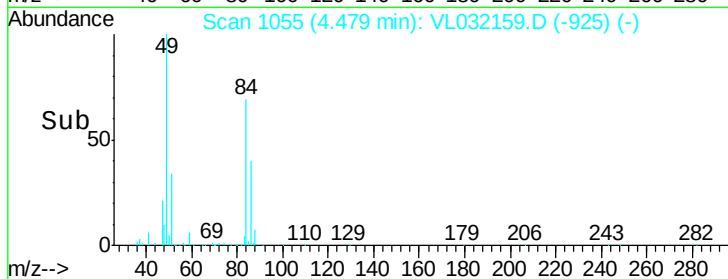
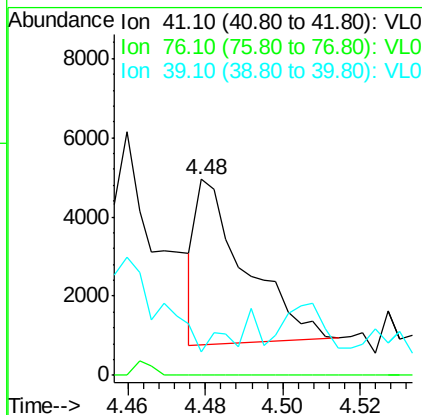
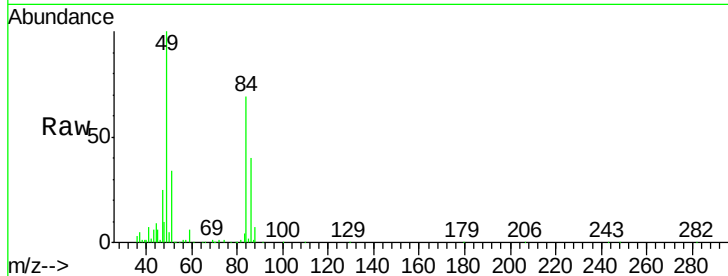




#21
 Allyl Chloride
 Concen: 0.031 ppbv
 RT: 4.48 min Scan# 1055
 Delta R.T. -0.08 min
 Lab File: VL032159.D
 Acq: 30 Jun 2018 7:15

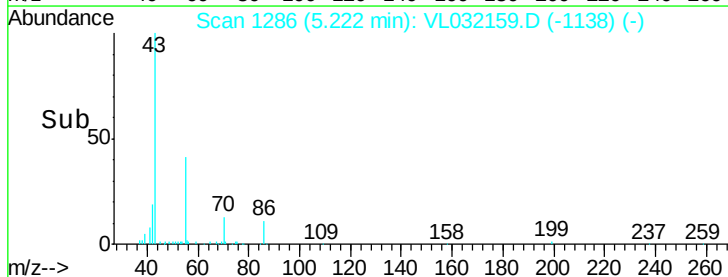
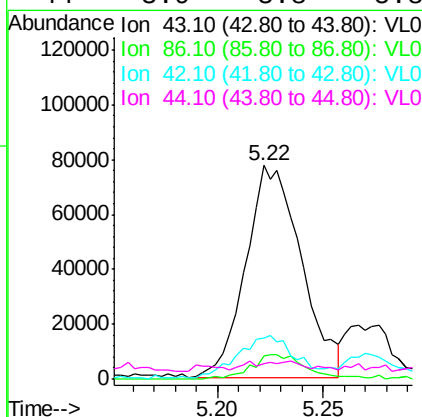
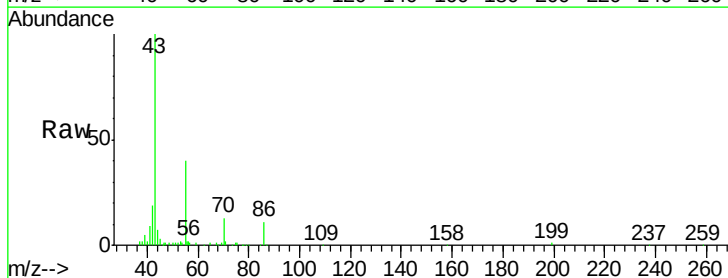
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-A-INDOOR

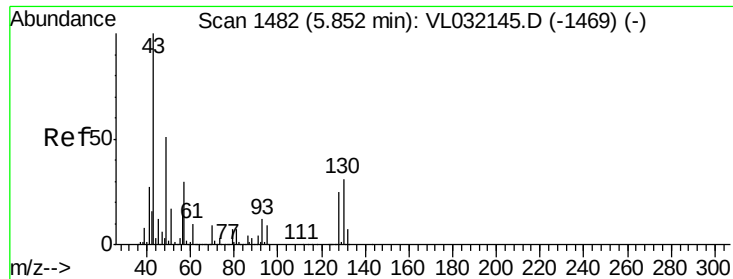
Tgt Ion: 41 Resp: 3678
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.5 33.7#
 39 0.0 60.5 90.7#



#23
 Vinyl Acetate
 Concen: 0.445 ppbv
 RT: 5.22 min Scan# 1286
 Delta R.T. -0.03 min
 Lab File: VL032159.D
 Acq: 30 Jun 2018 7:15

Tgt Ion: 43 Resp: 141293
 Ion Ratio Lower Upper
 43 100
 86 10.8 6.2 9.4#
 42 18.4 6.9 10.3#
 44 3.9 3.8 5.8

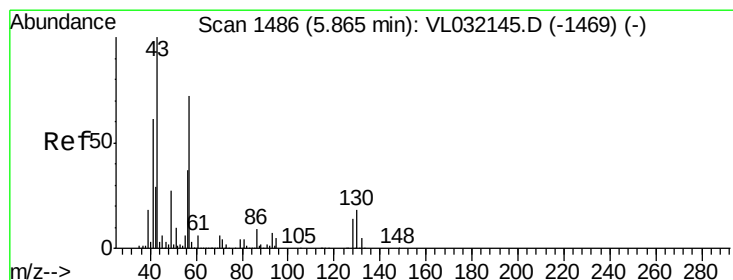
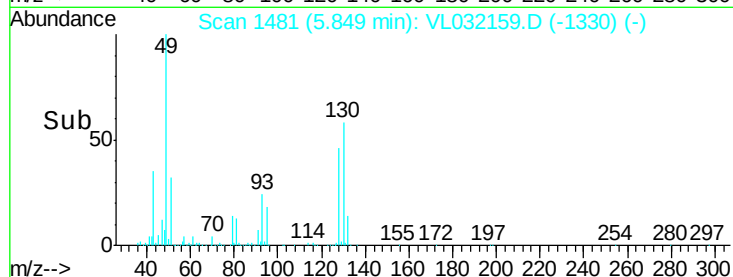
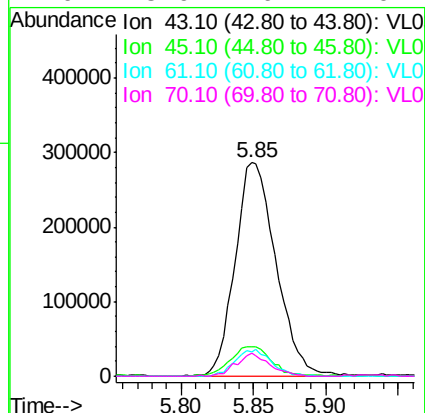
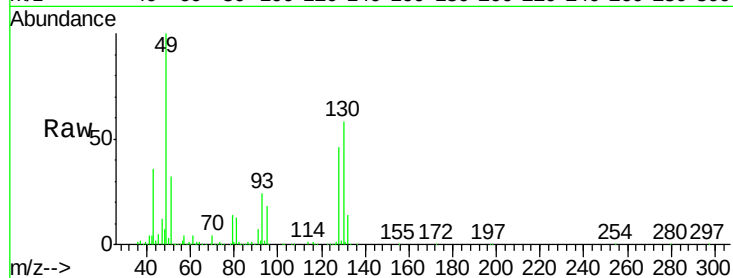




#25
Ethyl Acetate
Concen: 1.541 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.02 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

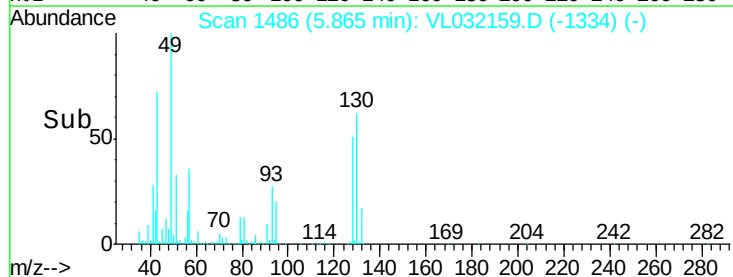
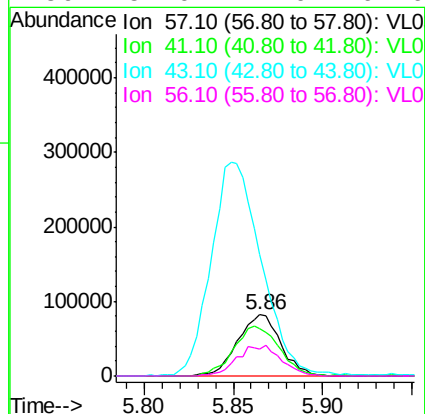
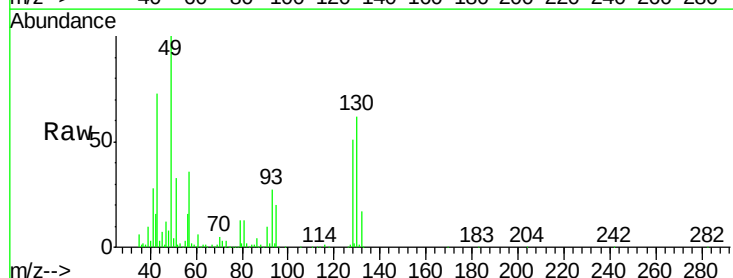
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-INDOOR

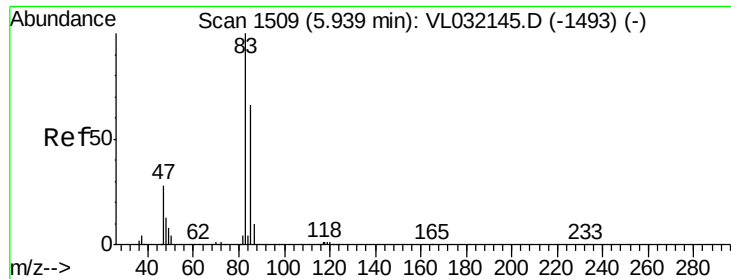
Tgt Ion:	43	Resp:	558604
Ion	Ratio	Lower	Upper
43	100		
45	13.8	7.8	11.8#
61	11.3	7.4	11.0#
70	8.9	6.1	9.1



#26
Hexane
Concen: 0.829 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

Tgt Ion:	57	Resp:	138408
Ion	Ratio	Lower	Upper
57	100		
41	85.4	68.6	103.0
43	407.3	168.6	252.8#
56	51.0	41.0	61.6

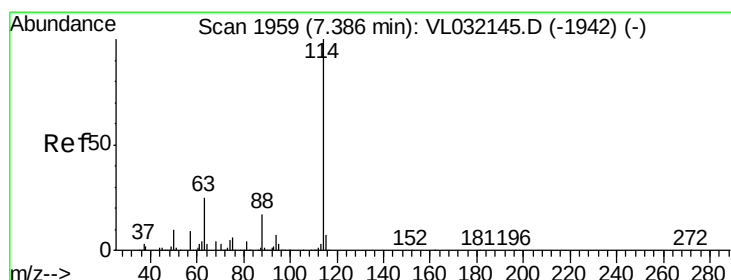
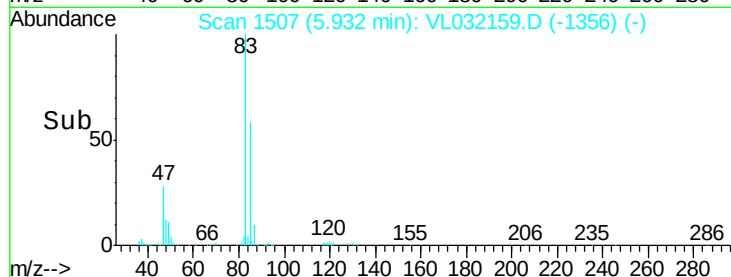
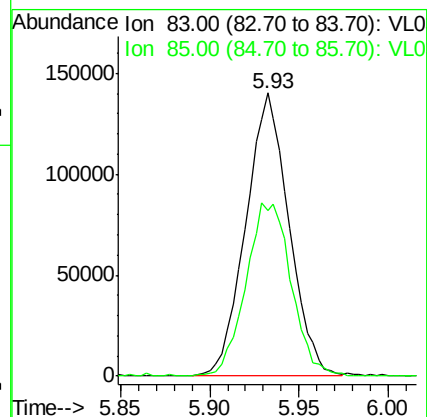
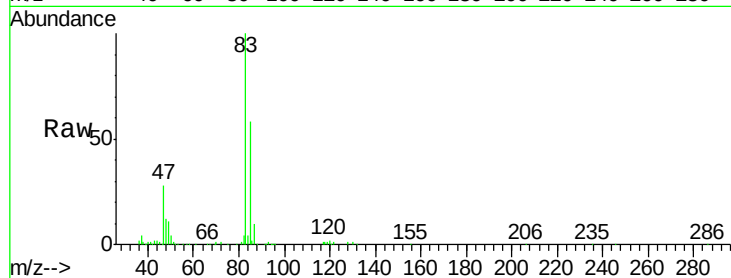




#29
Chloroform
Concen: 0.970 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

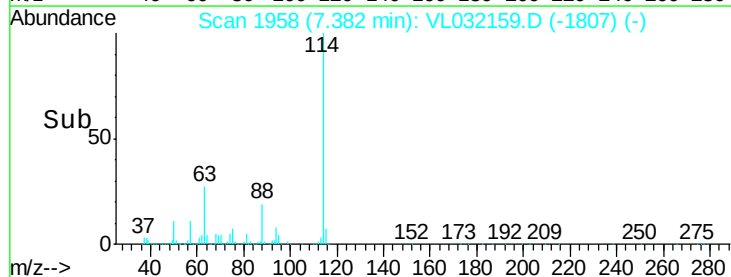
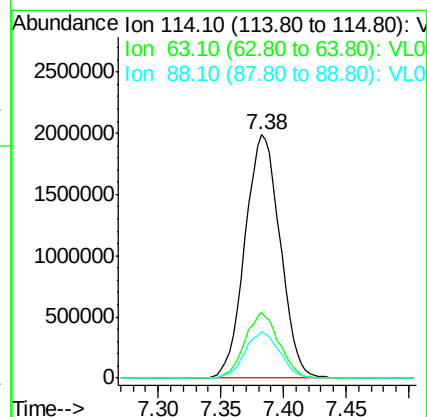
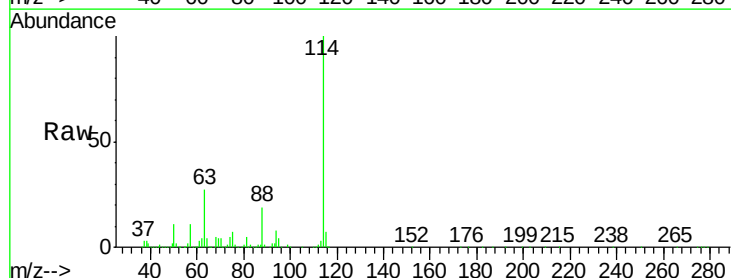
Instrument :
MSVOA_L
ClientSampleId :
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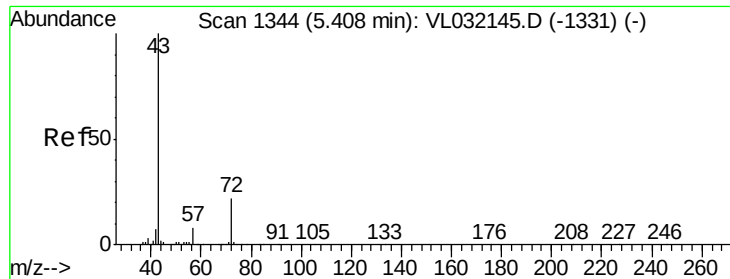
Tgt Ion: 83 Resp: 235607
Ion Ratio Lower Upper
83 100
85 58.4 51.6 77.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

Tgt Ion: 114 Resp: 3875584
Ion Ratio Lower Upper
114 100
63 26.2 19.1 28.7
88 18.8 13.9 20.9

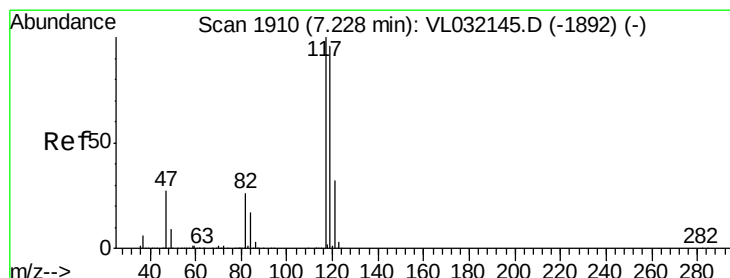
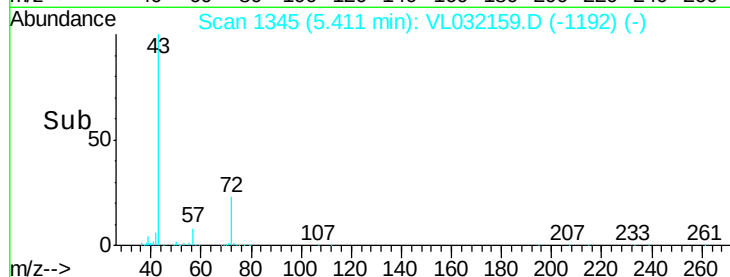
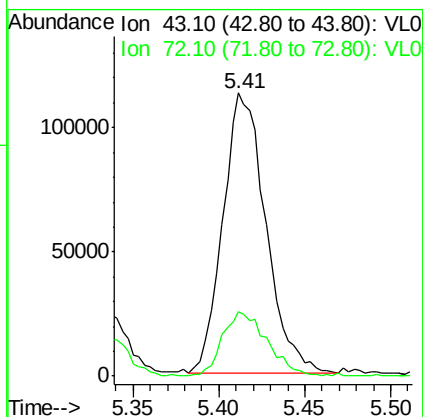
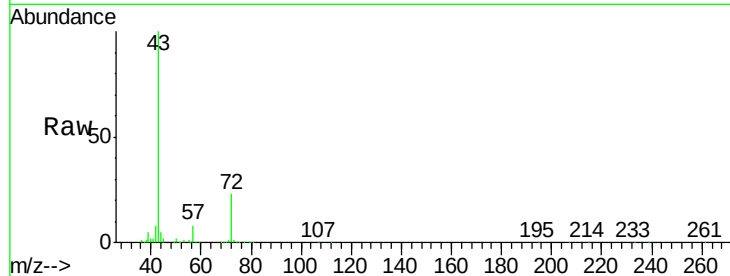




#34
 2-Butanone
 Concen: 0.797 ppbv
 RT: 5.41 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL032159.D
 Acq: 30 Jun 2018 7:15

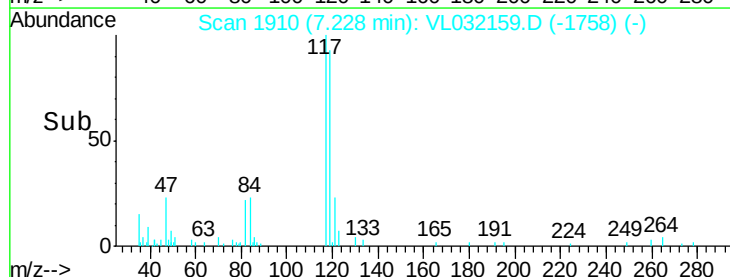
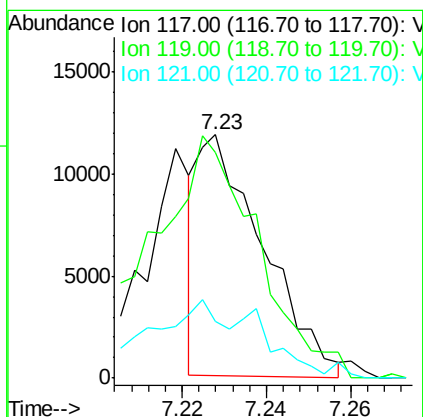
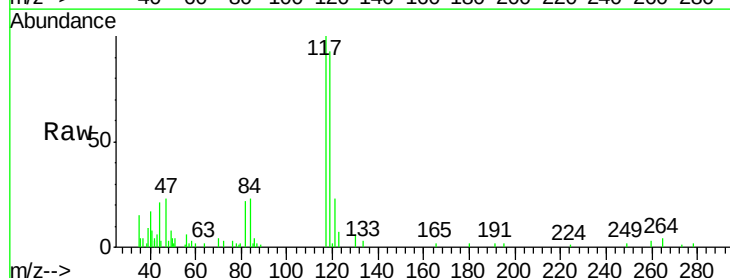
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-A-INDOOR

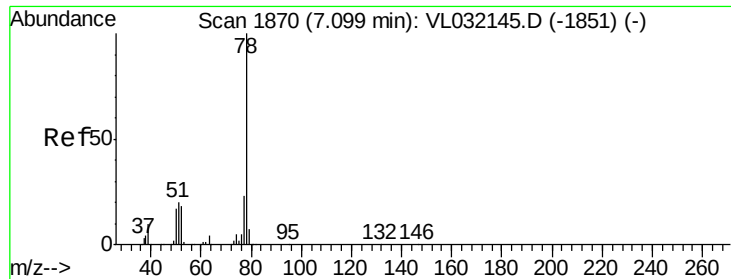
Tgt Ion: 43 Resp: 196163
 Ion Ratio Lower Upper
 43 100
 72 24.2 18.4 27.6



#35
 Carbon Tetrachloride
 Concen: 0.047 ppbv
 RT: 7.23 min Scan# 1910
 Delta R.T. -0.01 min
 Lab File: VL032159.D
 Acq: 30 Jun 2018 7:15

Tgt Ion: 117 Resp: 12582
 Ion Ratio Lower Upper
 117 100
 119 87.7 74.8 112.2
 121 18.1 24.0 36.0#

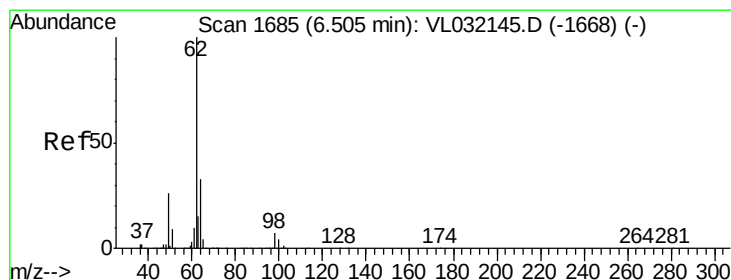
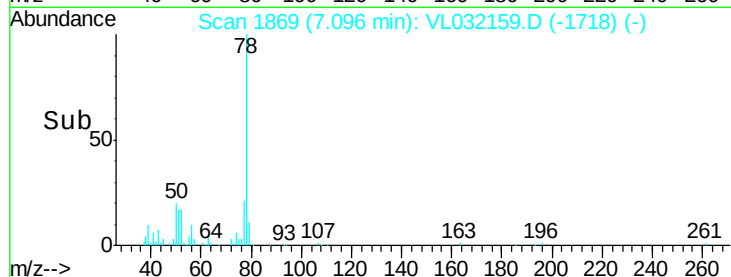
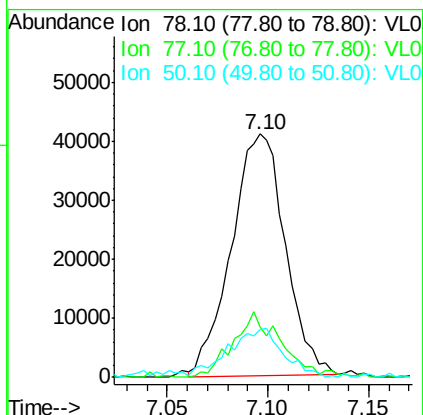
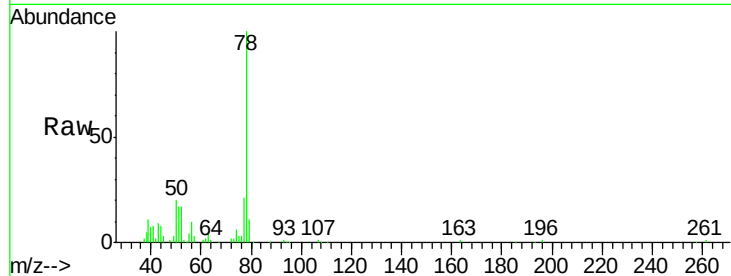




#36
Benzene
Concen: 0.204 ppbv
RT: 7.10 min Scan# 1869
Delta R.T. -0.02 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

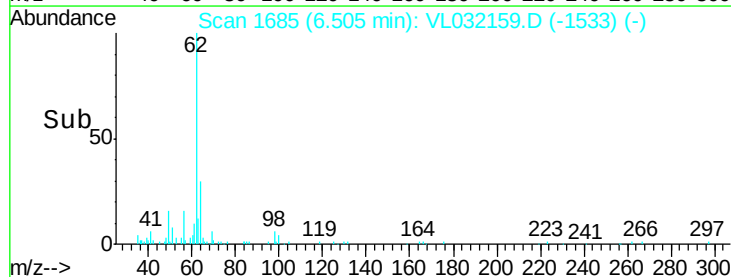
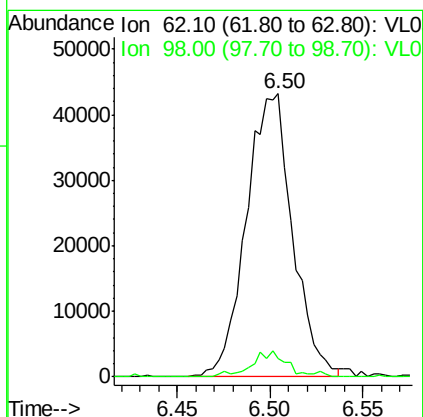
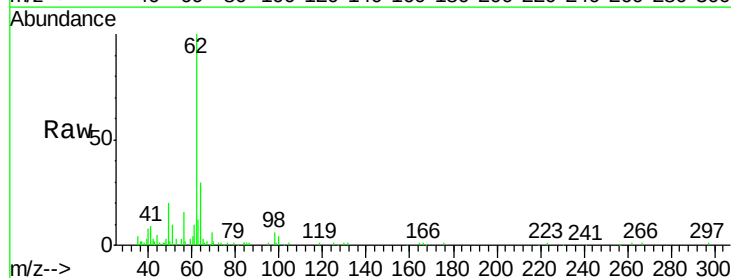
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-INDOOR

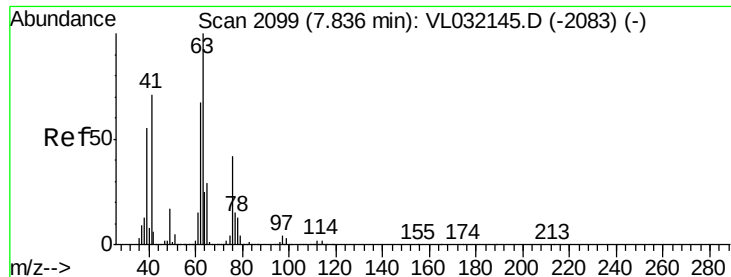
Tgt Ion: 78 Resp: 76556
Ion Ratio Lower Upper
78 100
77 20.5 17.7 26.5
50 19.3 14.0 21.0



#37
1,2-Dichloroethane
Concen: 0.402 ppbv
RT: 6.50 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

Tgt Ion: 62 Resp: 75179
Ion Ratio Lower Upper
62 100
98 7.3 5.8 8.6





#39

1,2-Dichloropropane

Concen: 6.757 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. -0.47 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-INDOOR

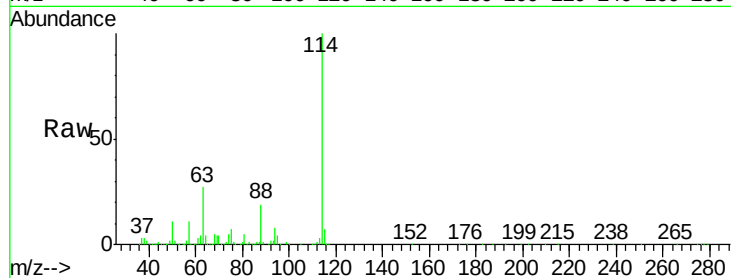
Tgt Ion: 63 Resp: 999670

Ion Ratio Lower Upper

63 100

41 0.0 53.3 79.9#

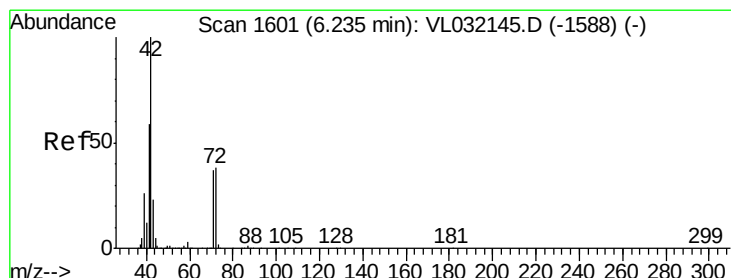
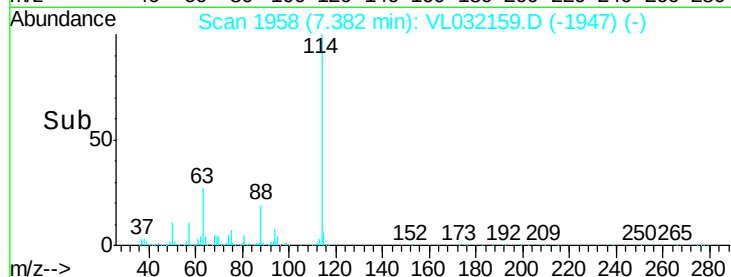
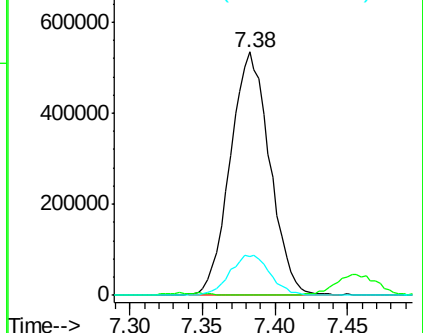
62 16.1 54.8 82.2#



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: 0.408 ppbv

RT: 6.25 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

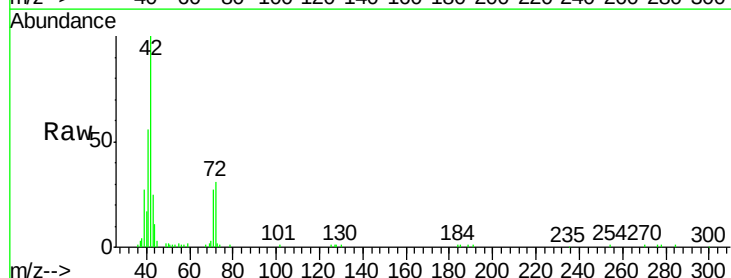
Tgt Ion: 42 Resp: 60125

Ion Ratio Lower Upper

42 100

72 41.7 31.1 46.7

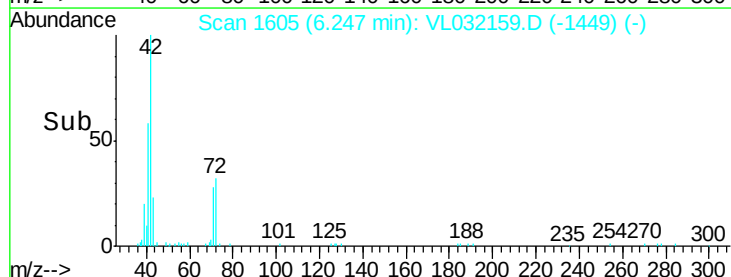
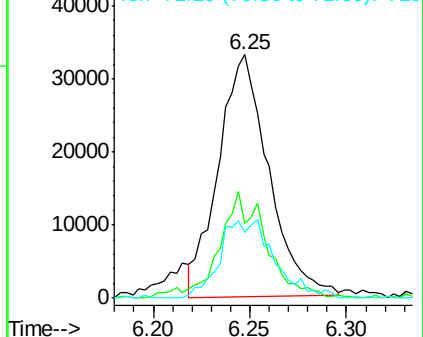
71 35.2 29.5 44.3

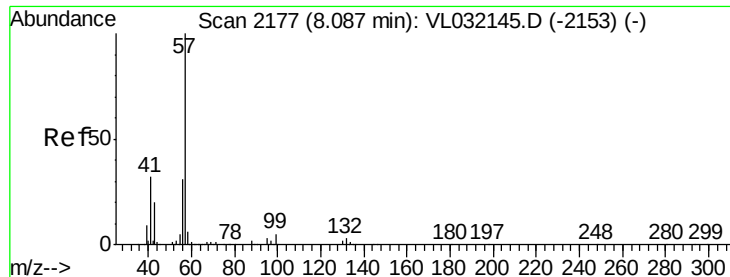


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

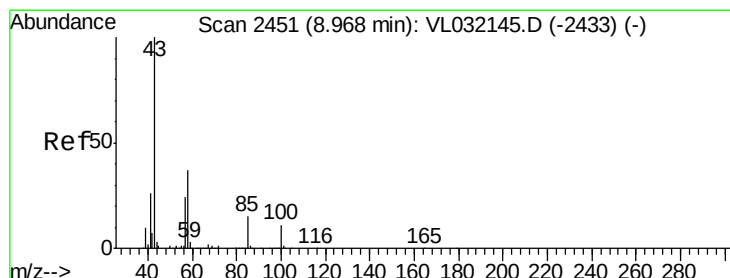
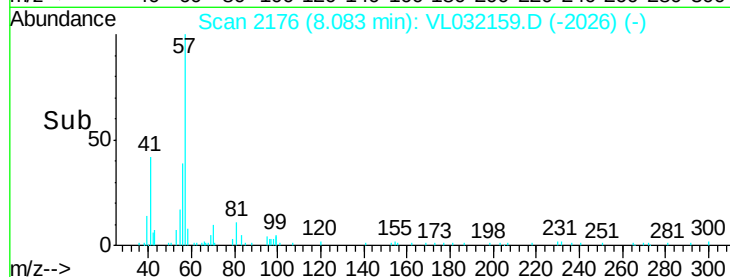
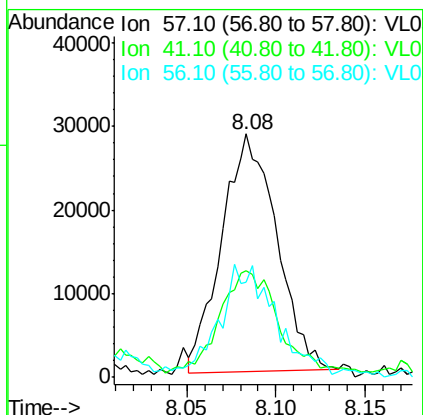
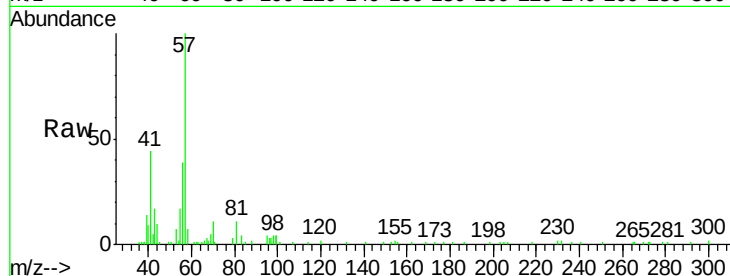




#44
 2,2,4-Trimethylpentane
 Concen: 0.093 ppbv
 RT: 8.08 min Scan# 2176
 Delta R.T. -0.02 min
 Lab File: VL032159.D
 Acq: 30 Jun 2018 7:15

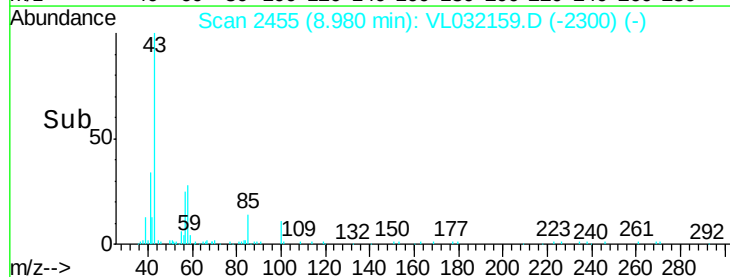
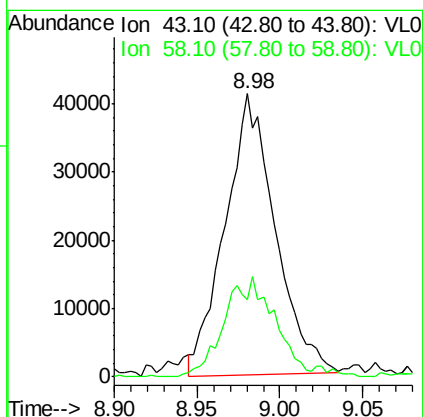
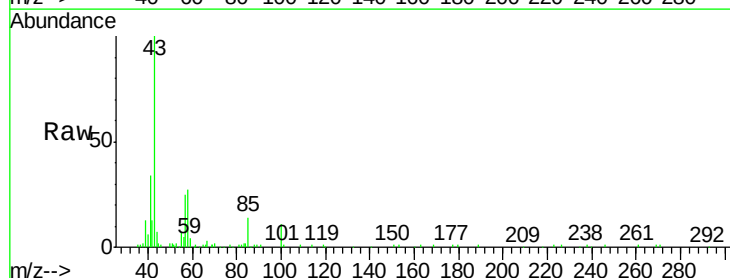
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-A-INDOOR

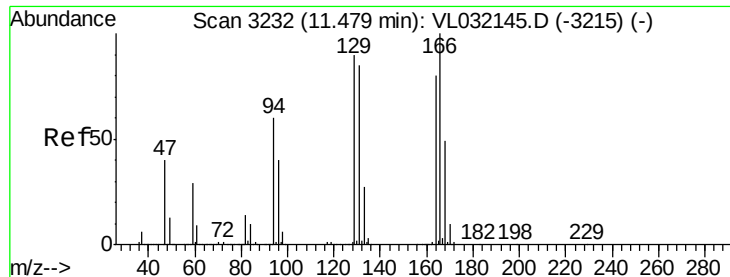
Tgt Ion: 57 Resp: 61025
 Ion Ratio Lower Upper
 57 100
 41 46.0 24.3 36.5#
 56 48.5 25.1 37.7#



#50
 4-Methyl-2-Pentanone
 Concen: 0.215 ppbv
 RT: 8.98 min Scan# 2455
 Delta R.T. -0.00 min
 Lab File: VL032159.D
 Acq: 30 Jun 2018 7:15

Tgt Ion: 43 Resp: 86630
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.6





#52

Tetrachloroethene

Concen: 0.109 ppbv

RT: 11.48 min Scan# 3231

Delta R.T. -0.02 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-INDOOR

Tgt Ion:164 Resp: 14907

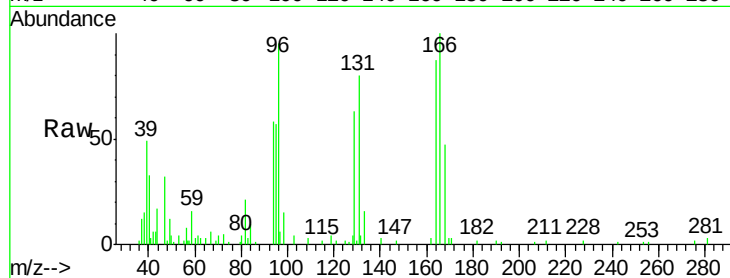
Ion Ratio Lower Upper

164 100

166 118.5 100.6 151.0

129 68.8 84.0 126.0#

131 91.0 82.7 124.1

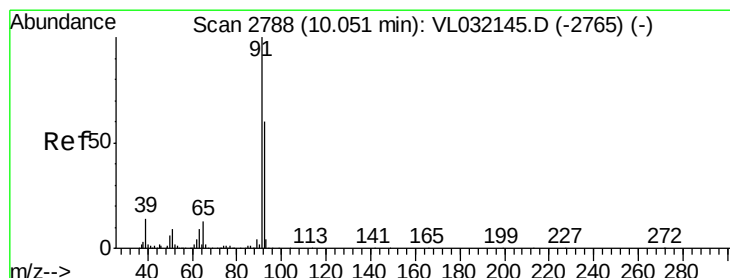
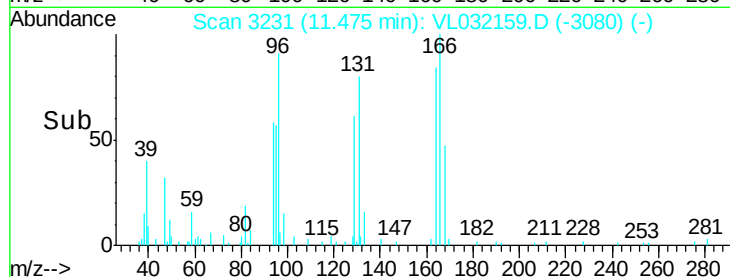
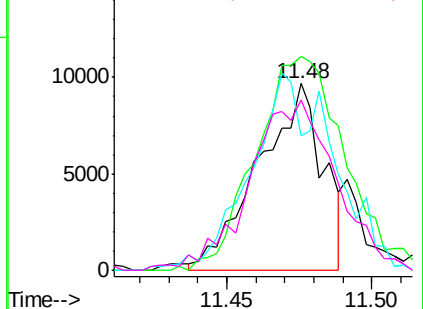


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.335 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VL032159.D

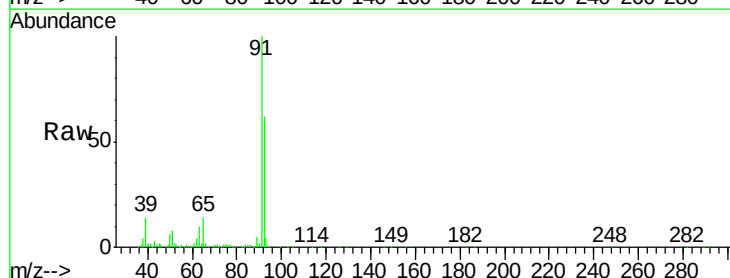
Acq: 30 Jun 2018 7:15

Tgt Ion: 91 Resp: 1511989

Ion Ratio Lower Upper

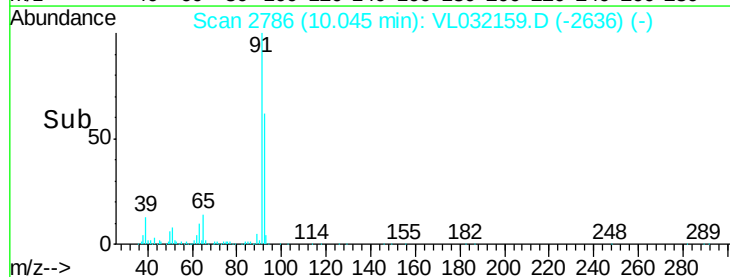
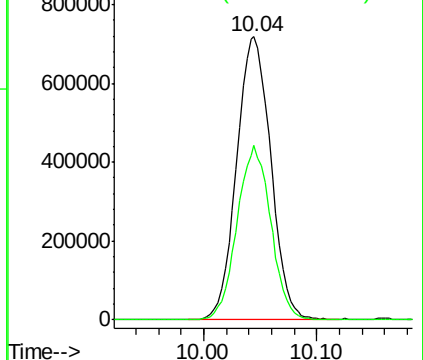
91 100

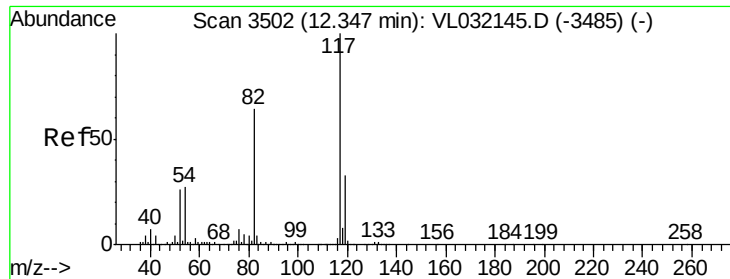
92 60.8 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

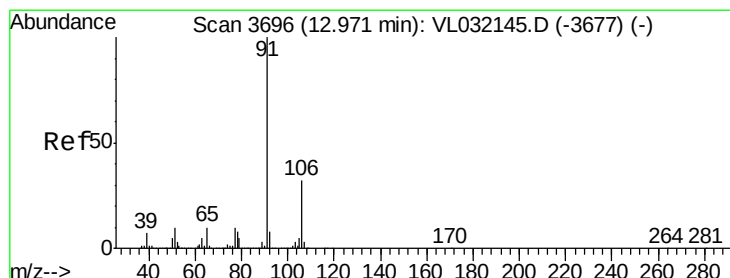
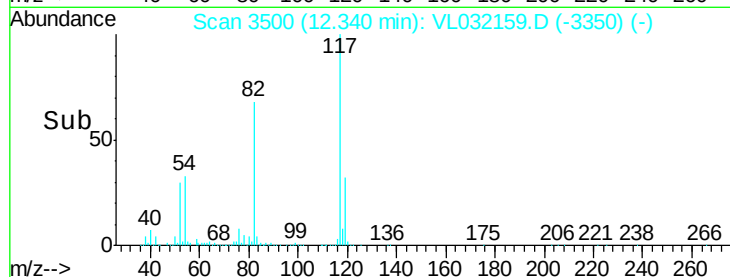
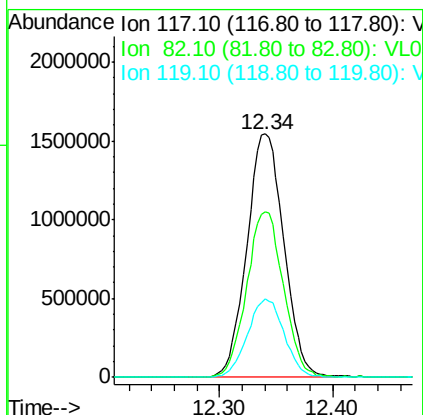
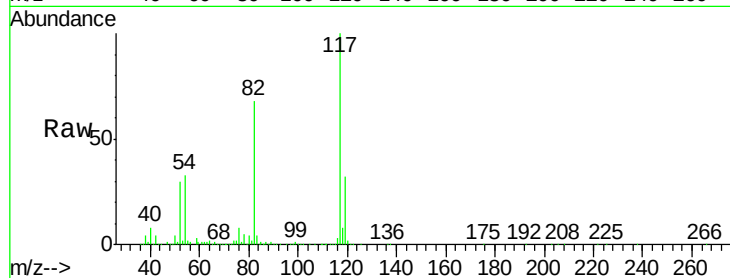




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

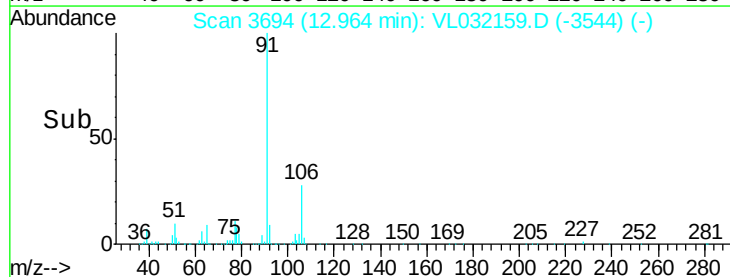
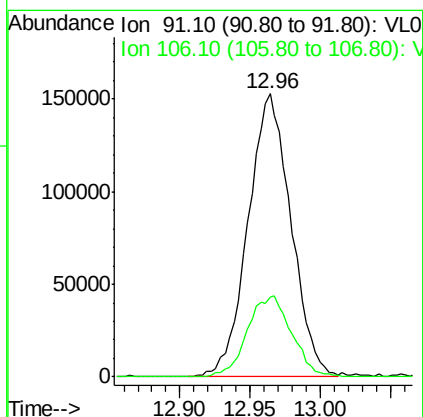
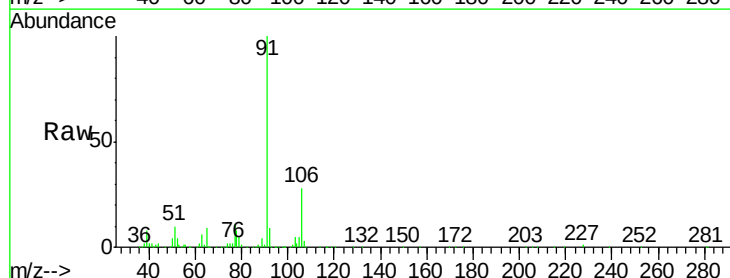
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-INDOOR

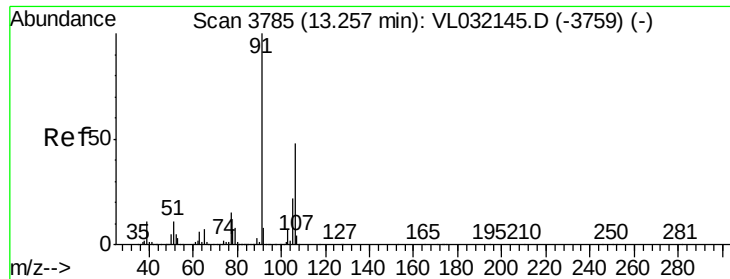
Tgt Ion:117 Resp: 3513700
Ion Ratio Lower Upper
117 100
82 68.0 47.8 71.8
119 32.2 43.3 64.9#



#58
Ethyl Benzene
Concen: 0.573 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

Tgt Ion: 91 Resp: 324383
Ion Ratio Lower Upper
91 100
106 27.9 26.5 39.7

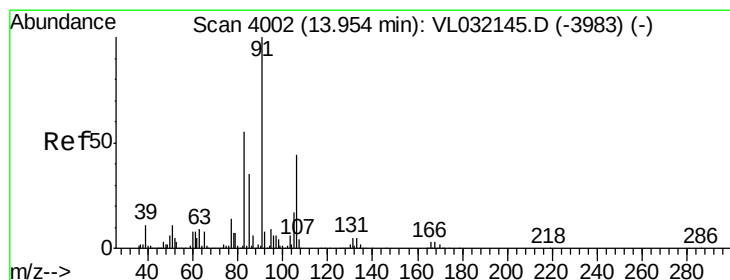
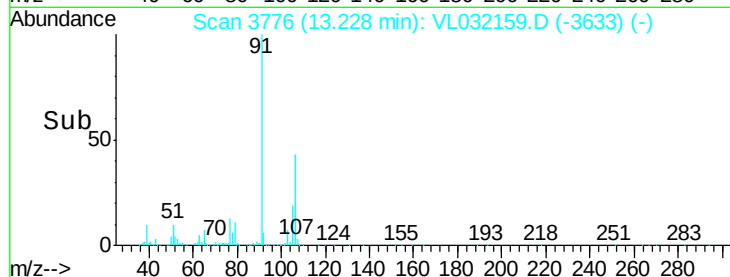
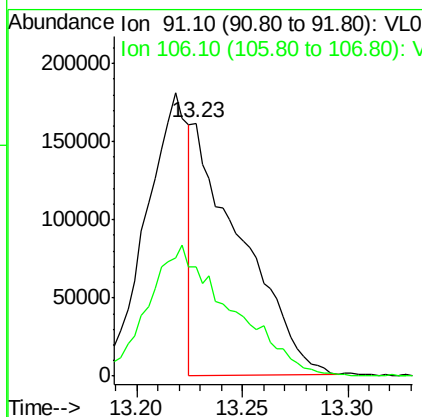
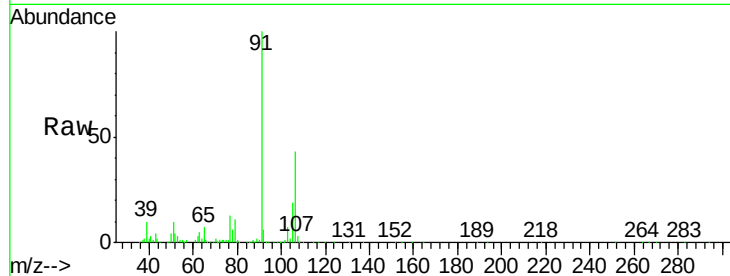




#59
m/p-Xylene
Concen: 0.568 ppbv
RT: 13.23 min Scan# 3776
Delta R.T. -0.04 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

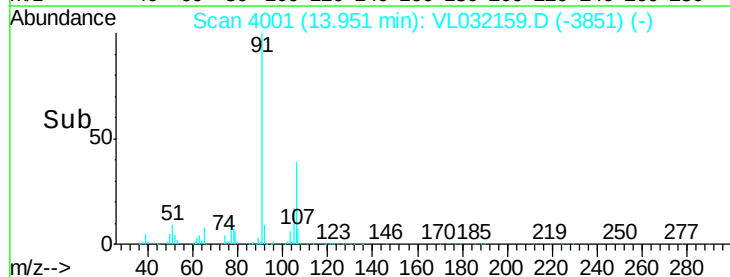
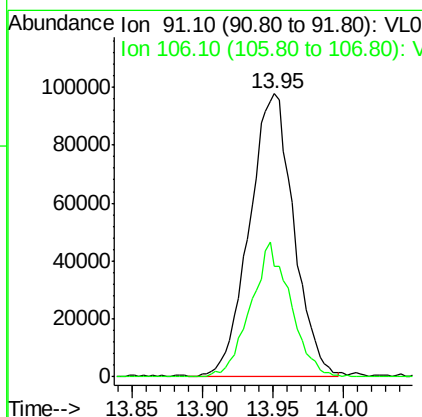
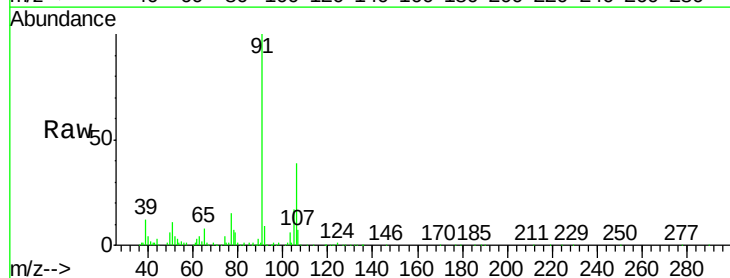
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-INDOOR

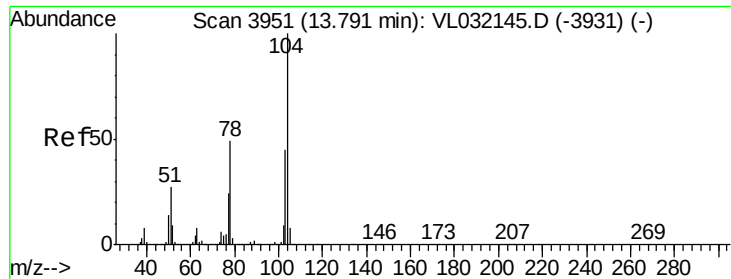
Tgt Ion: 91 Resp: 257650
Ion Ratio Lower Upper
91 100
106 0.0 38.6 58.0#



#60
o-Xylene
Concen: 0.475 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032159.D
Acq: 30 Jun 2018 7:15

Tgt Ion: 91 Resp: 215266
Ion Ratio Lower Upper
91 100
106 42.7 23.3 69.8





#61

Styrene

Concen: 0.165 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. -0.02 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

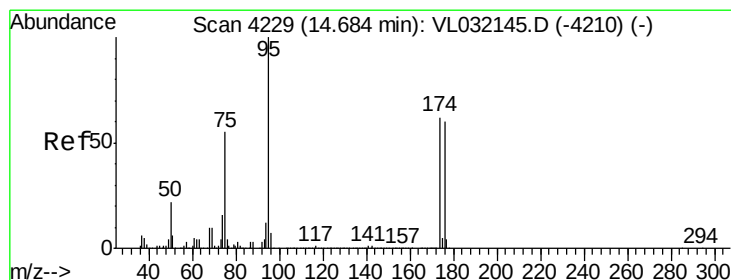
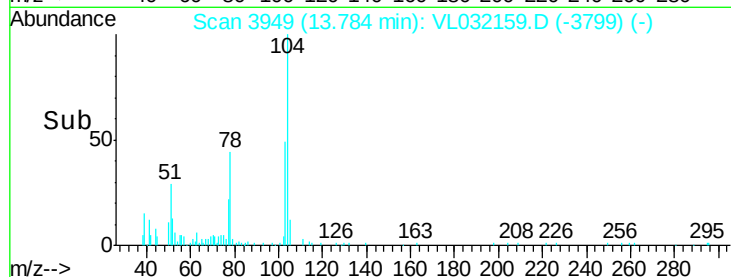
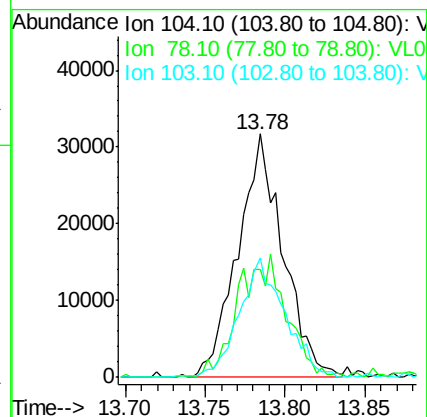
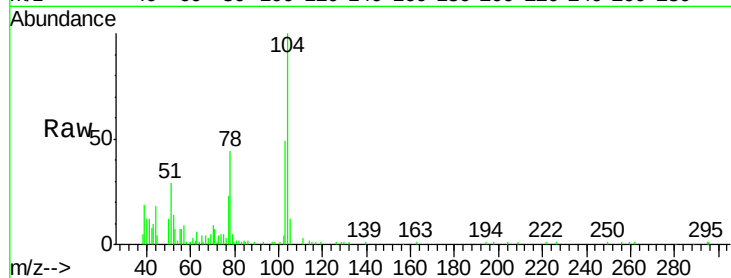
Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-INDOOR

Tgt Ion:	104	Resp:	61237
Ion	Ratio	Lower	Upper
104	100		
78	54.5	37.9	56.9
103	49.3	36.6	55.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.796 ppbv

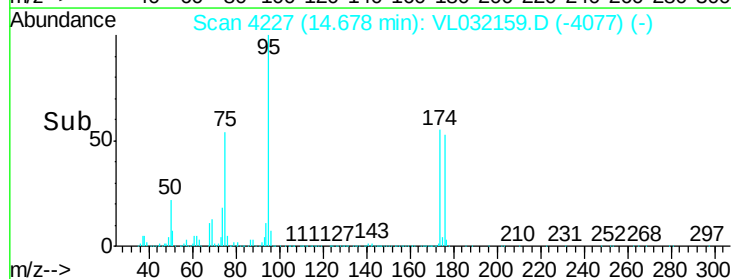
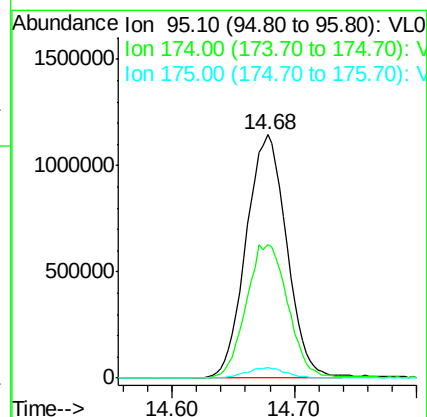
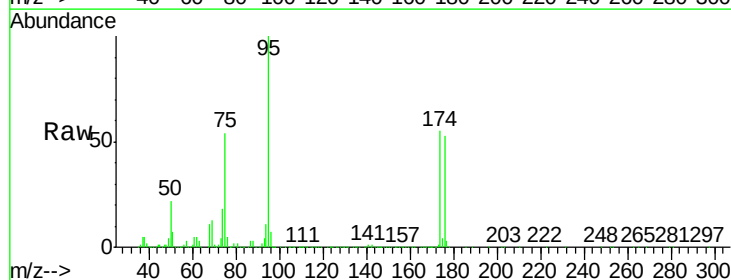
RT: 14.68 min Scan# 4227

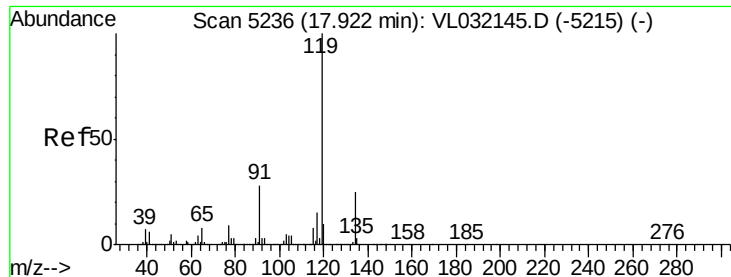
Delta R.T. -0.02 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Tgt Ion:	95	Resp:	2631046
Ion	Ratio	Lower	Upper
95	100		
174	57.5	52.1	78.1
175	4.2	4.0	6.0





#69

p-Isopropyltoluene

Concen: 0.032 ppbv

RT: 17.91 min Scan# 5232

Delta R.T. -0.02 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-INDOOR

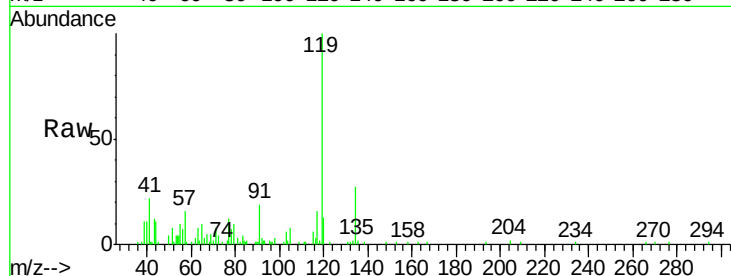
Tgt Ion: 119 Resp: 23227

Ion Ratio Lower Upper

119 100

134 63.1 20.7 31.1#

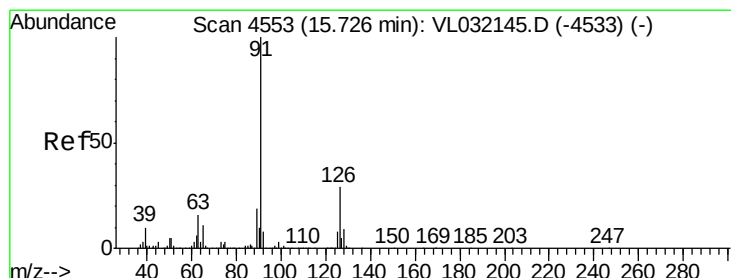
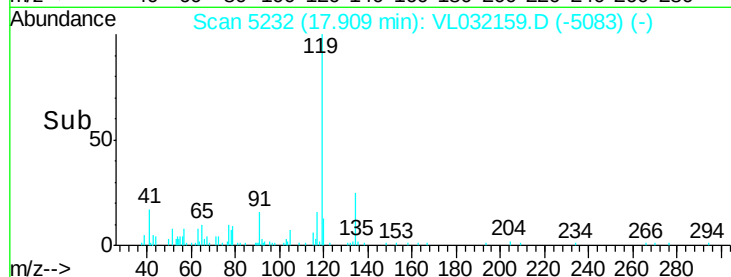
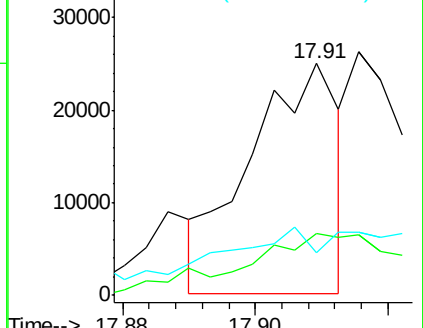
91 0.0 21.8 32.8#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VLO



#71

2-Chlorotoluene

Concen: 0.065 ppbv

RT: 15.82 min Scan# 4583

Delta R.T. 0.08 min

Lab File: VL032159.D

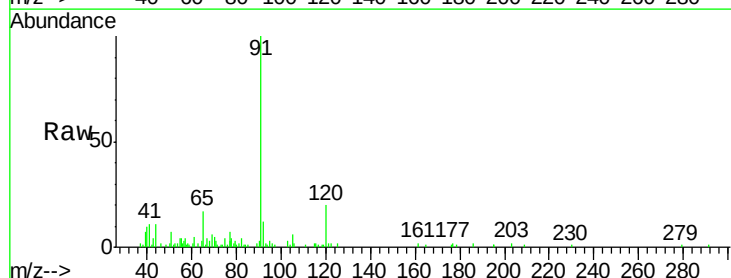
Acq: 30 Jun 2018 7:15

Tgt Ion: 91 Resp: 34764

Ion Ratio Lower Upper

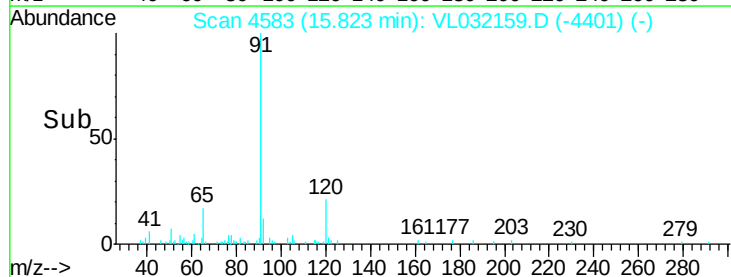
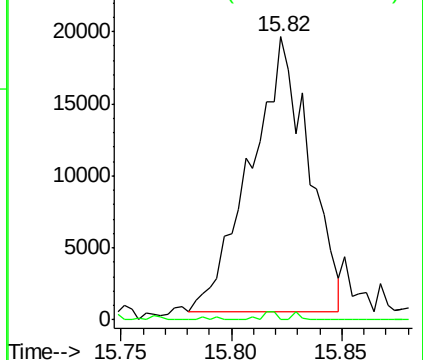
91 100

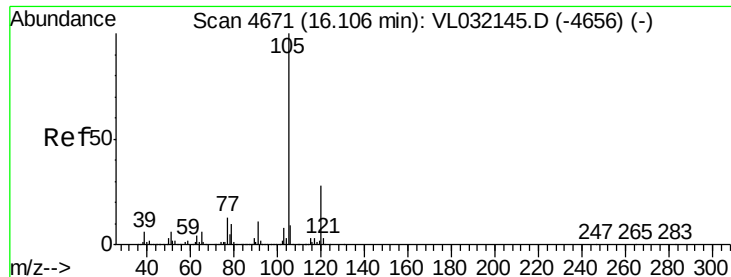
126 0.4 12.8 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VLO

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.063 ppbv

RT: 16.10 min Scan# 4668

Delta R.T. -0.02 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

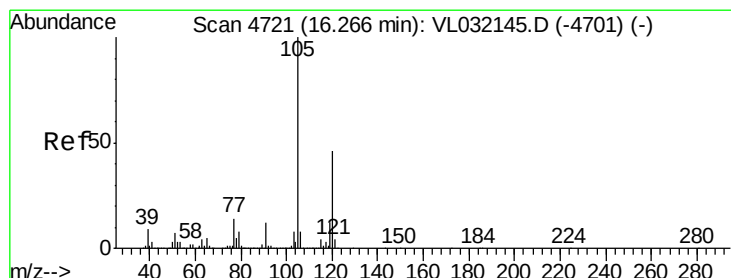
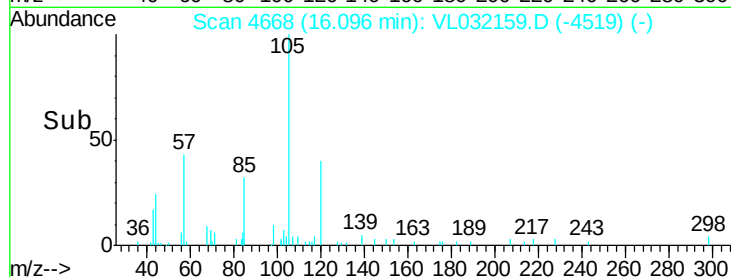
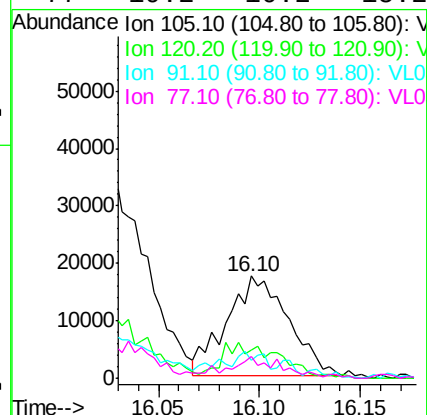
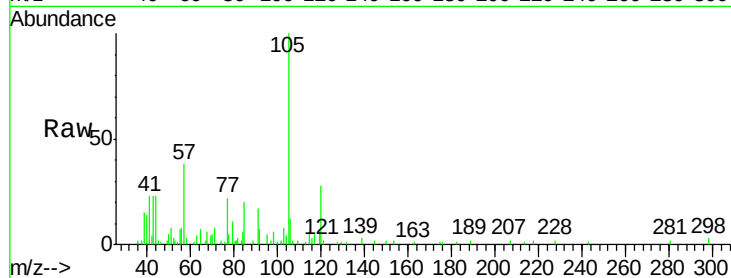
Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion:	105	Resp:	36589
Ion	Ratio	Lower	Upper
105	100		
120	34.0	24.3	36.5
91	24.3	9.4	14.0#
77	19.2	10.2	15.2#



#73

1,3,5-Trimethylbenzene

Concen: 0.093 ppbv

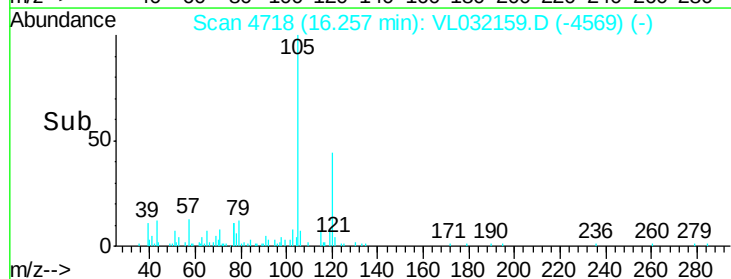
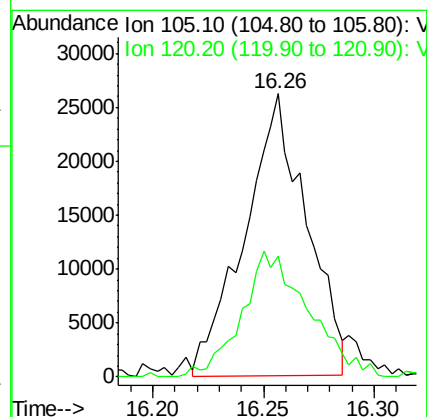
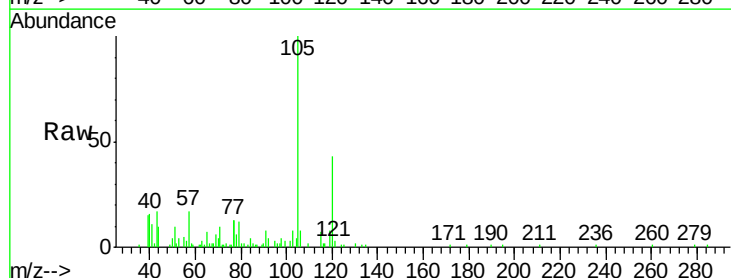
RT: 16.26 min Scan# 4718

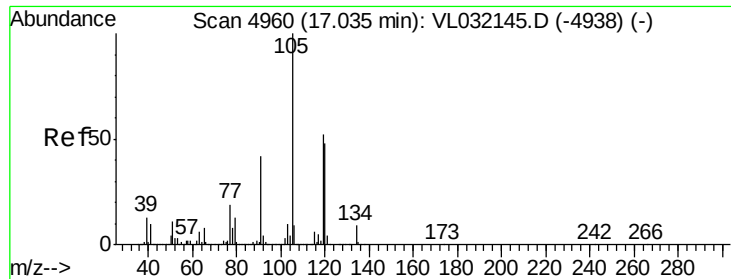
Delta R.T. -0.02 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

Tgt Ion:	105	Resp:	51102
Ion	Ratio	Lower	Upper
105	100		
120	39.8	38.6	57.8





#74

1,2,4-Trimethylbenzene

Concen: 0.174 ppbv

RT: 17.03 min Scan# 4957

Delta R.T. -0.02 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

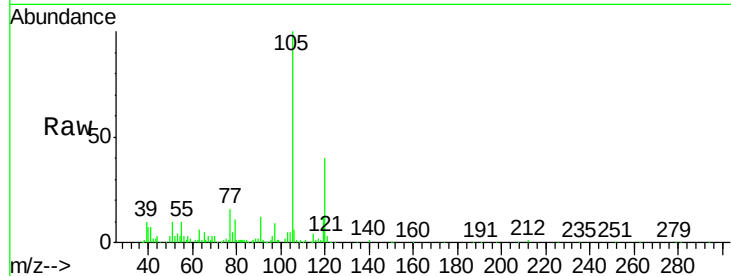
Instrument:

MSVOA_L

ClientSampleId:

RESIDENT-A-INDOOR

Tgt Ion:	105	Resp:	96669
Ion Ratio	Lower	Upper	
105	100		
120	39.3	38.8	58.2
91	11.0	33.6	50.4#
77	15.1	16.0	24.0#

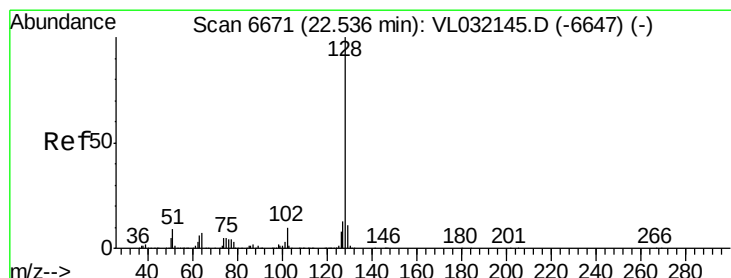
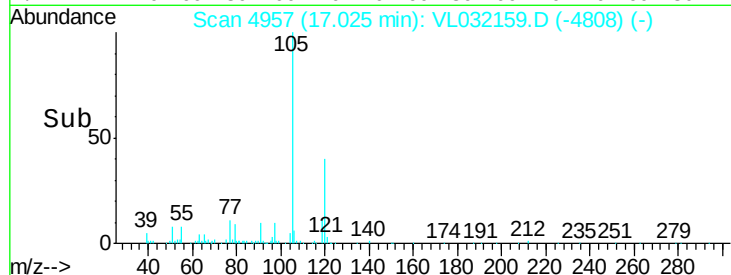
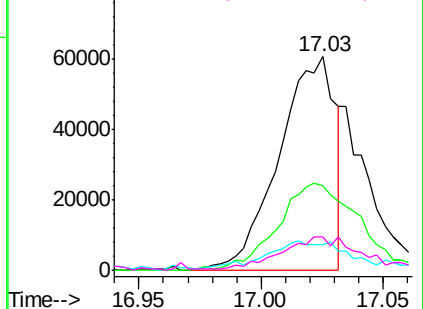


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.030 ppbv

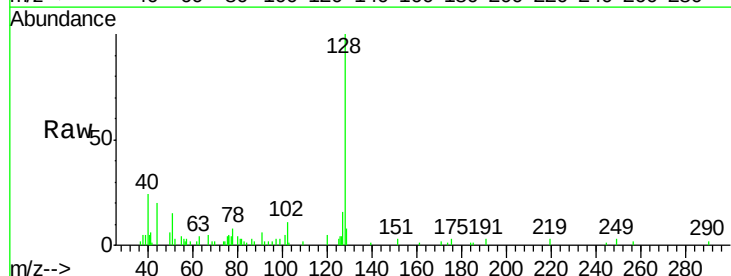
RT: 22.52 min Scan# 6667

Delta R.T. -0.03 min

Lab File: VL032159.D

Acq: 30 Jun 2018 7:15

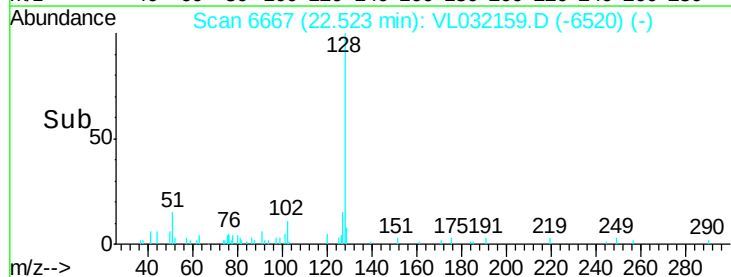
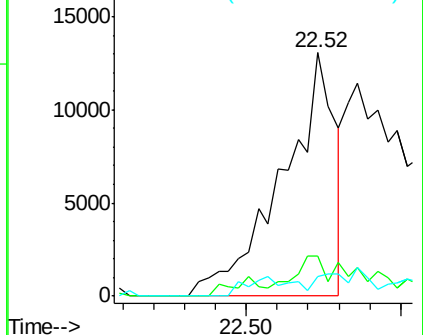
Tgt Ion:	128	Resp:	15324
Ion Ratio	Lower	Upper	
128	100		
127	15.2	10.5	15.7
129	7.4	9.0	13.6#

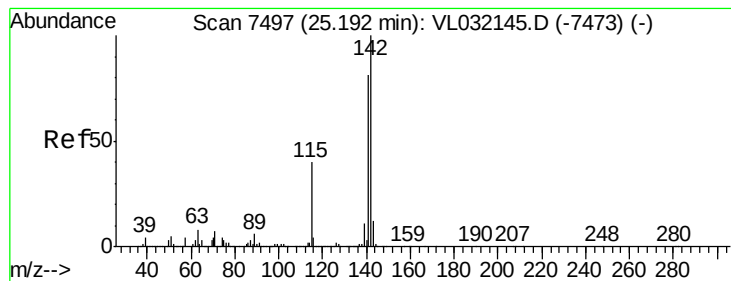


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.064 ppbv

RT: 25.20 min Scan# 7500

Delta R.T. -0.00 min

Lab File: VL032159.D

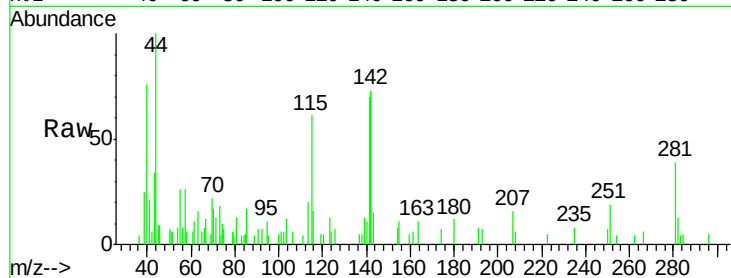
Acq: 30 Jun 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion:	142	Resp:	11632
Ion Ratio	Lower	Upper	
142	100		
141	78.2	65.8	98.6
115	43.5	29.4	44.0

