

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

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:26:25 PM

Quant Time: Jul 02 12:06:32 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2

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

						Ovalue
2) Dichlorodifluoromethane	3.13	85	66823	0.38	ppbv	100
3) Chlorodifluoromethane	3.07	51	72521m	0.45	ppbv	
4) Chloromethane	3.23	50	972979	11.22	ppbv	98
5) Vinyl Chloride	3.35	62	5217	0.06	ppbv	90
9) Propene	3.09	41	1926458	25.44	ppbv	94
10) Heptane	8.34	43	147047	0.67	ppbv	98
11) Trichlorofluoromethane	4.07	101	68866	0.36	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.63	101	12037	0.10	ppbv	85
13) Ethanol	3.74	45	8065025	351.33	ppbv	99
15) Acetone	3.96	43	8816037	56.70	ppbv	98
16) 1,3-Butadiene	3.42	39	368903	4.97	ppbv #	79
19) Isopropyl Alcohol	4.12	45	12999031m	100.62	ppbv	
20) Methylene Chloride	4.49	84	147853	2.60	ppbv	94
26) Hexane	5.86	57	330403	2.23	ppbv #	56
27) Carbon Disulfide	4.70	76	24099	0.16	ppbv #	36
29) Chloroform	5.94	83	149079	0.69	ppbv	98
30) Cyclohexane	7.34	84	55264	0.40	ppbv #	84
32) 1,1,1-Trichloroethane	6.71	97	34887	0.15	ppbv #	87
34) 2-Butanone	5.41	43	1187931	6.23	ppbv	99
35) Carbon Tetrachloride	7.23	117	16355m	0.08	ppbv	
36) Benzene	7.10	78	1305782	4.49	ppbv	99
37) 1,2-Dichloroethane	6.50	62	72777	0.50	ppbv	99
38) Trichloroethene	8.05	130	4934	0.04	ppbv #	72
41) Tetrahydrofuran	6.24	42	98887	0.87	ppbv	95
42) Bromodichloromethane	8.02	83	26124	0.12	ppbv #	76
44) 2,2,4-Trimethylpentane	8.09	57	71861m	0.14	ppbv	
50) 4-Methyl-2-Pentanone	8.97	43	360295	1.15	ppbv	98
52) Tetrachloroethene	11.47	164	16005m	0.15	ppbv	
53) Toluene	10.05	91	4033705	11.48	ppbv	99
58) Ethyl Benzene	12.96	91	815024	1.56	ppbv	94
59) m/p-Xylene	13.22	91	2044867	4.88	ppbv	97
60) o-Xylene	13.95	91	743971	1.78	ppbv	97
61) Styrene	13.78	104	430385	1.26	ppbv	96
62) Isopropylbenzene	14.93	105	100455	0.16	ppbv	96
64) n-propylbenzene	15.83	120	64616	0.39	ppbv	71
69) p-Isopropyltoluene	17.92	119	167207m	0.25	ppbv	
72) 4-Ethyltoluene	16.10	105	352873	0.65	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	317621	0.62	ppbv	94
74) 1,2,4-Trimethylbenzene	17.03	105	1013232	1.97	ppbv #	75
79) Naphthalene	22.53	128	150696m	0.32	ppbv	
80) Naphthalene,2-methyl-	25.50	142	36481	0.22	ppbv	96

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

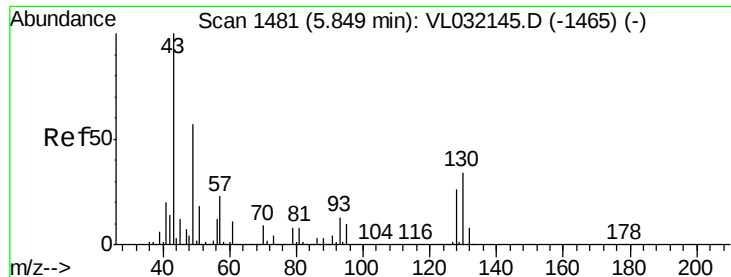
Manual Integrations
APPROVED

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7/2/2018 4:26:25 PM

Quant Time: Jul 02 12:06:32 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



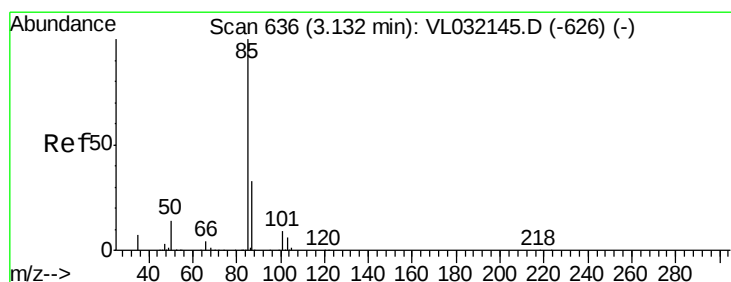
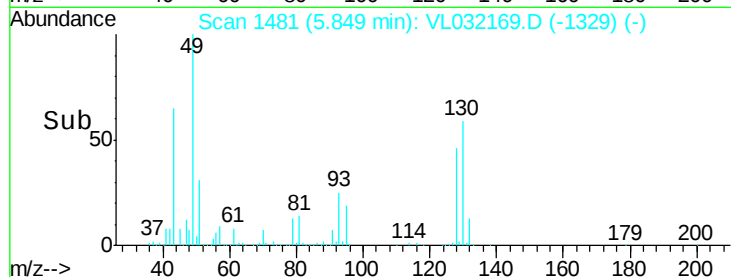
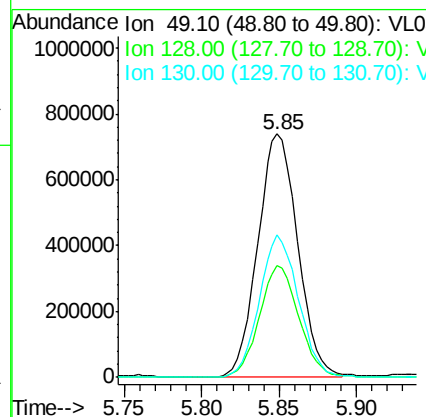
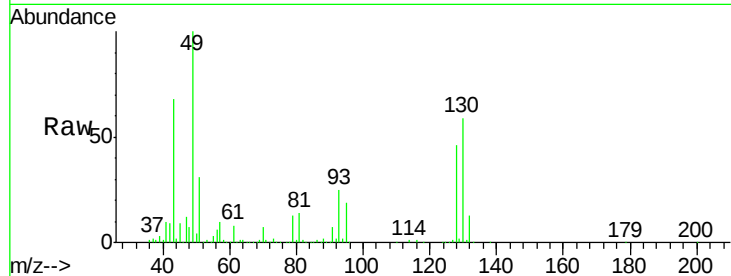
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.85 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tot Ion: 49 Resp: 1329727
 Ion Ratio Lower Upper
 49 100
 128 45.6 23.4 70.0
 130 57.4 30.3 90.9

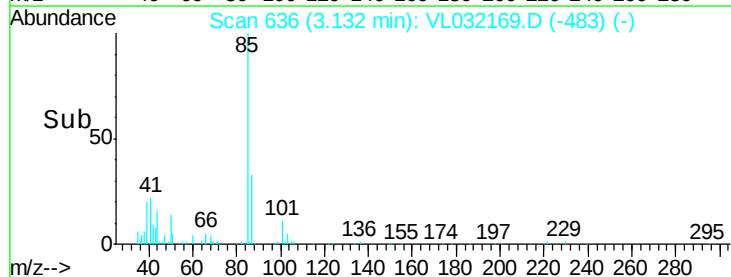
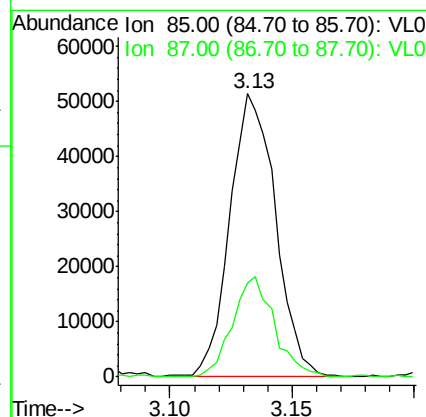
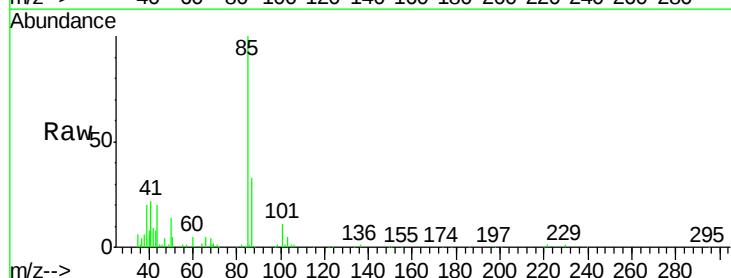
Manual Integrations
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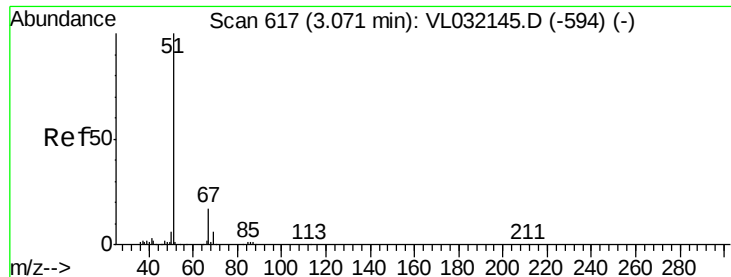
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#2
 Dichlorodifluoromethane
 Concen: 0.38 ppbv
 RT: 3.13 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

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





#3

Chlorodifluoromethane

Concen: 0.45 ppbv m

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion: 51 Resp: 72521

Ion Ratio Lower Upper

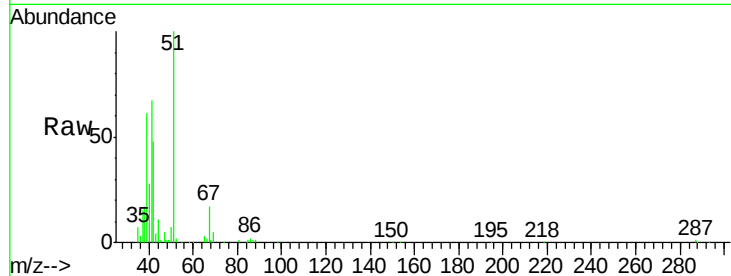
51 100

67 23.3 13.2 19.8#

Manual Integrations
APPROVED

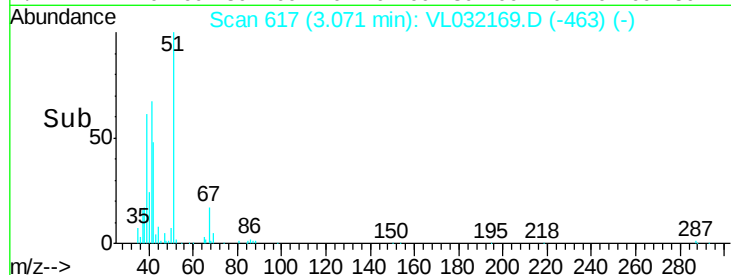
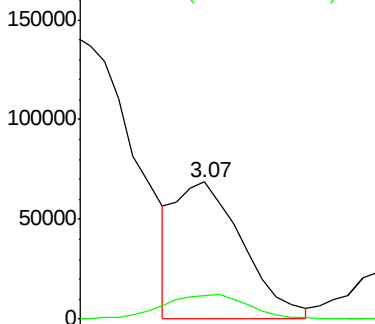
MMDadoda

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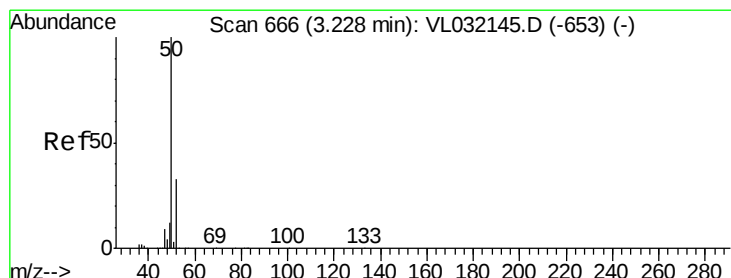


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 11.22 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032169.D

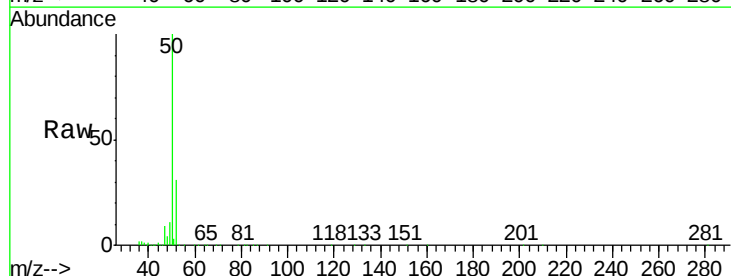
Acq: 30 Jun 2018 13:51

Tgt Ion: 50 Resp: 972979

Ion Ratio Lower Upper

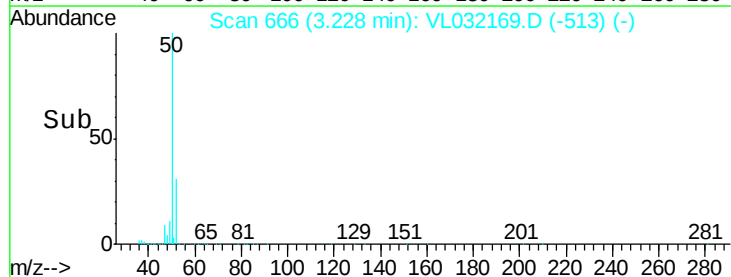
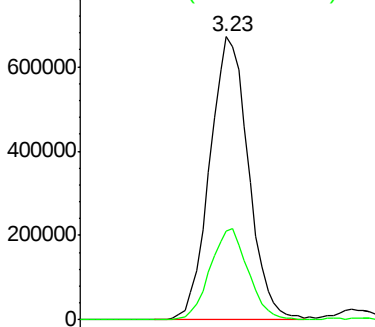
50 100

52 31.4 26.0 39.0

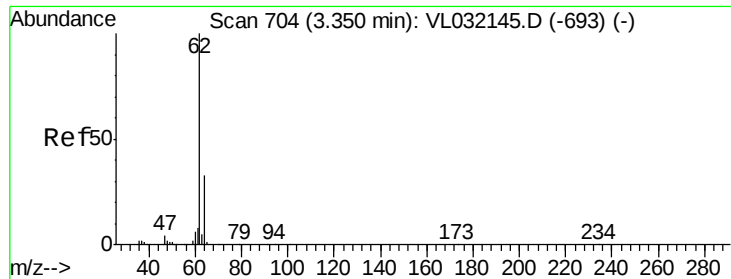


Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->



#5

Vinyl Chloride

Concen: 0.06 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 :

RESIDENT-C-INDOOR

Tot Ion: 62 Resp: 5217

Ion Ratio Lower Upper

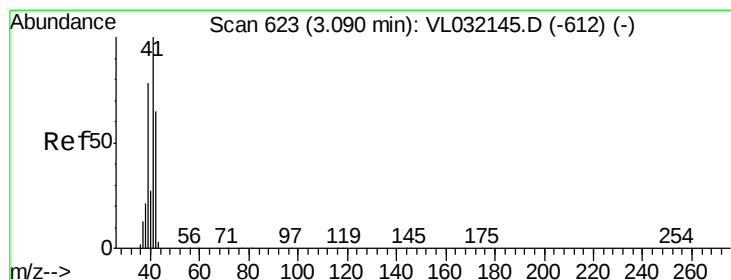
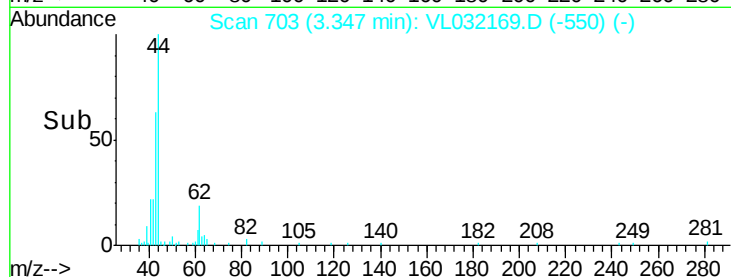
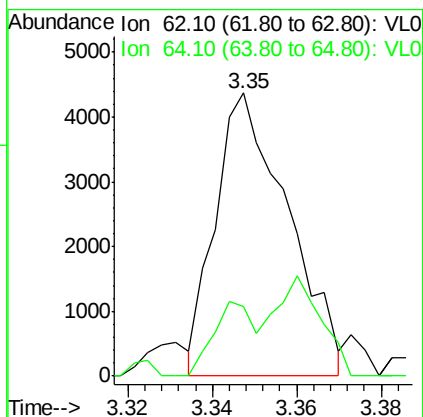
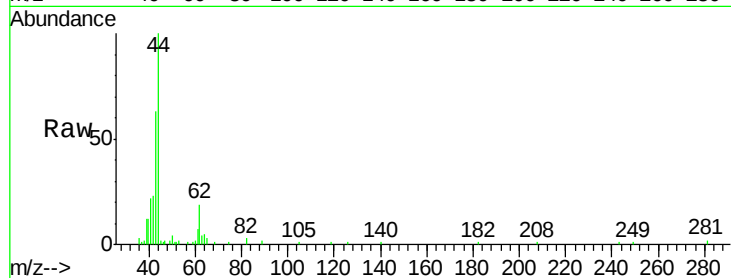
62 100

64 27.2 26.1 39.1

Manual Integrations
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#9

Propene

Concen: 25.44 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032169.D

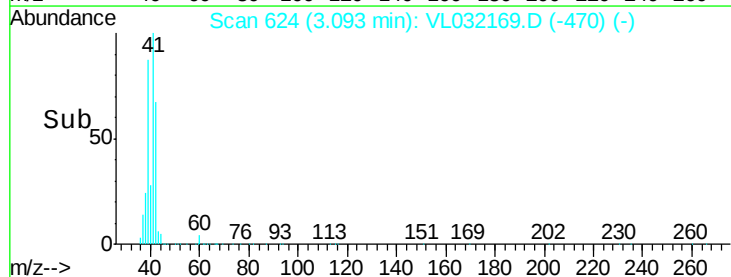
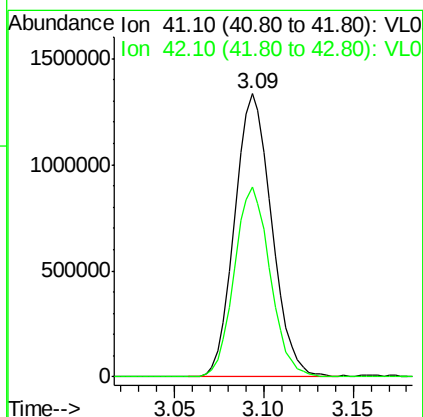
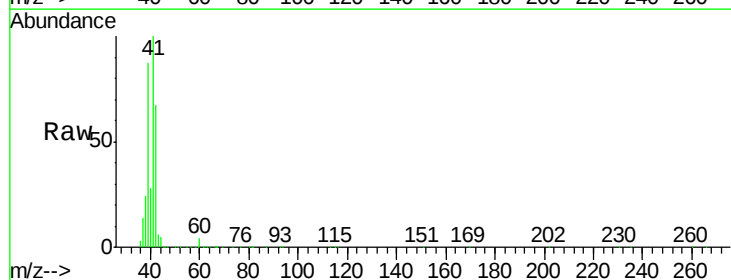
Acq: 30 Jun 2018 13:51

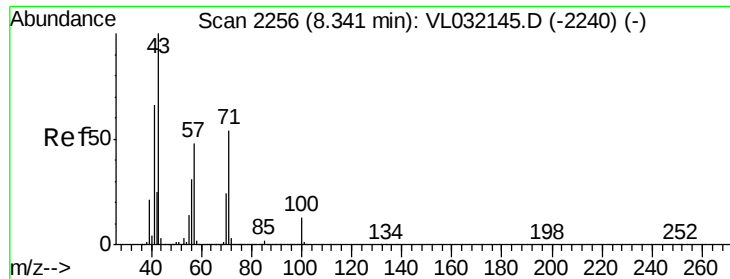
Tgt Ion: 41 Resp: 1926458

Ion Ratio Lower Upper

41 100

42 65.3 56.2 84.4





#10

Heptane

Concen: 0.67 ppbv

RT: 8.34 min Scan# 2256

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion: 43 Resp: 147047

Ion Ratio Lower Upper

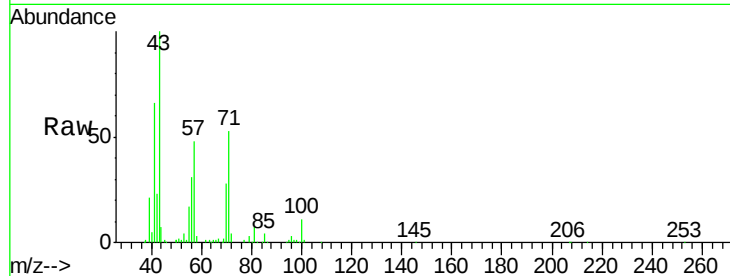
43 100

57 50.9 39.8 59.8

Manual Integrations
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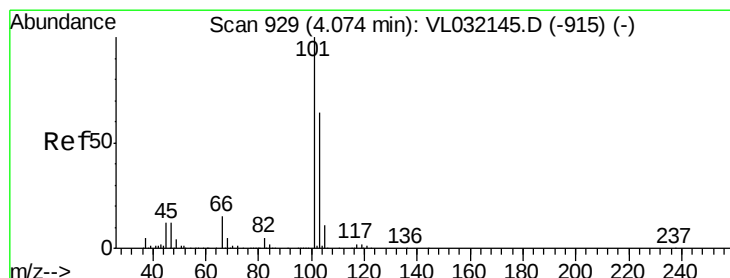
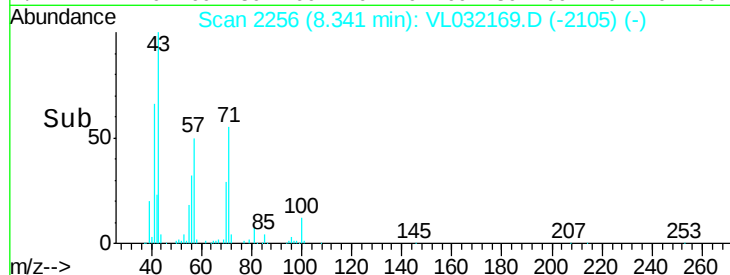
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.34

8.30 8.35 8.40

Time-->



#11

Trichlorofluoromethane

Concen: 0.36 ppbv

RT: 4.07 min Scan# 929

Delta R.T. -0.01 min

Lab File: VL032169.D

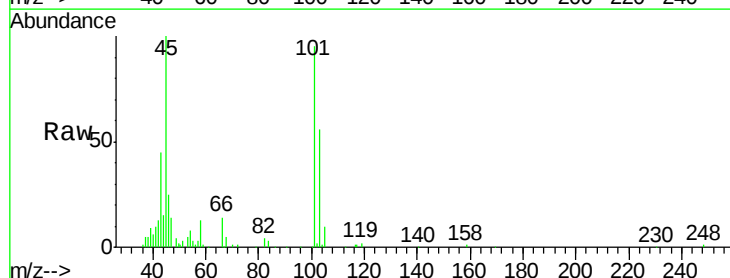
Acq: 30 Jun 2018 13:51

Tgt Ion: 101 Resp: 68866

Ion Ratio Lower Upper

101 100

103 59.3 51.4 77.0



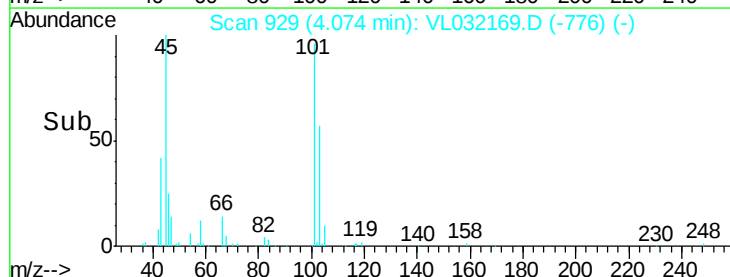
Abundance Ion 101.00 (100.70 to 101.70): V

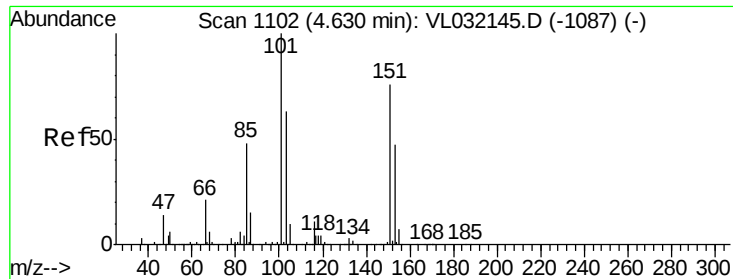
Ion 103.00 (102.70 to 103.70): V

4.07

4.05 4.10

Time-->





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.10 ppbv

RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion: 101 Resp: 12037

Ion Ratio Lower Upper

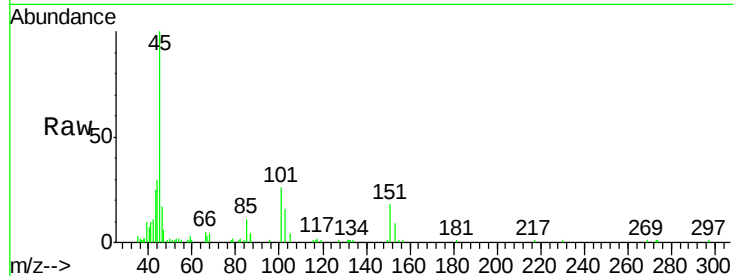
101 100

151 61.1 58.8 88.2

Manual Integrations
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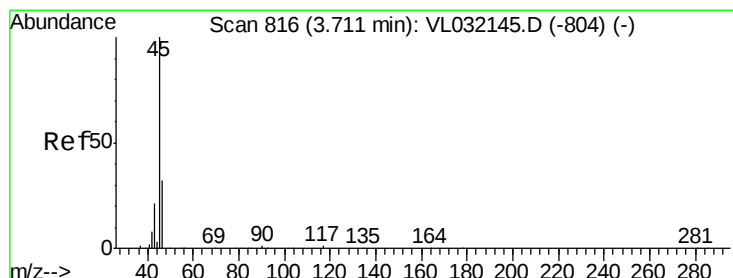
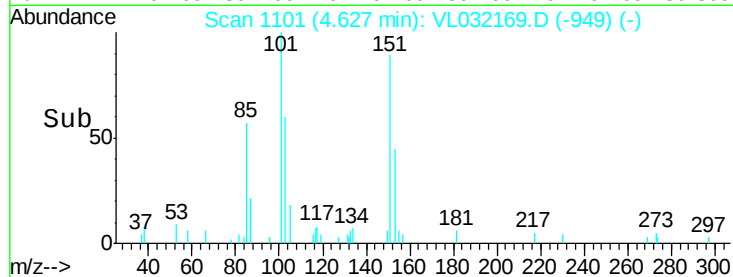
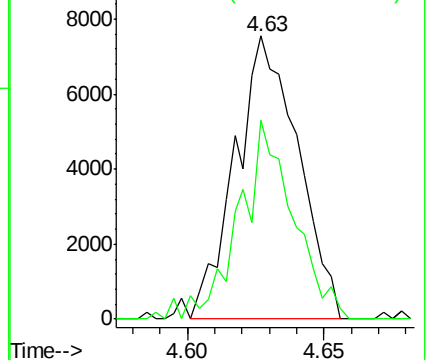
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 351.33 ppbv

RT: 3.74 min Scan# 825

Delta R.T. 0.02 min

Lab File: VL032169.D

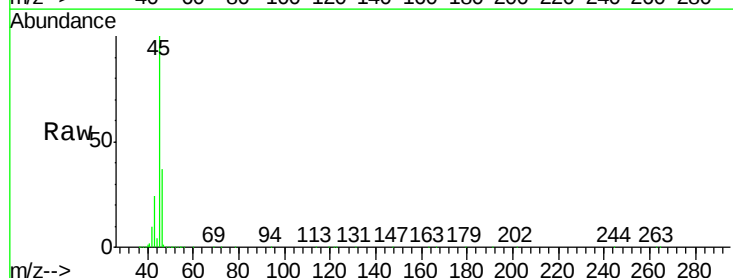
Acq: 30 Jun 2018 13:51

Tgt Ion: 45 Resp: 8065025

Ion Ratio Lower Upper

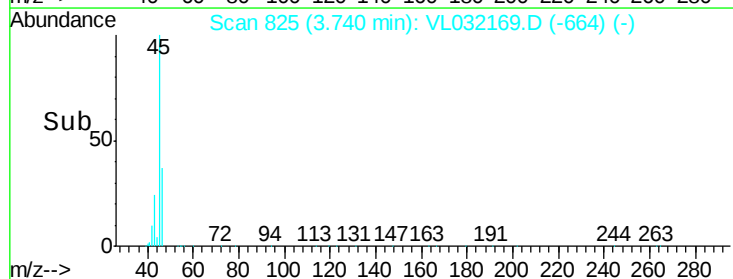
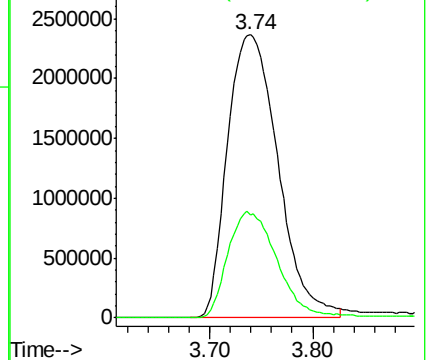
45 100

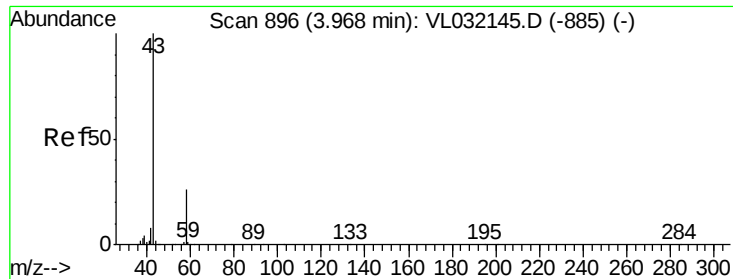
46 37.1 14.6 58.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 56.70 ppbv

RT: 3.96 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion: 43 Resp: 8816037

Ion Ratio Lower Upper

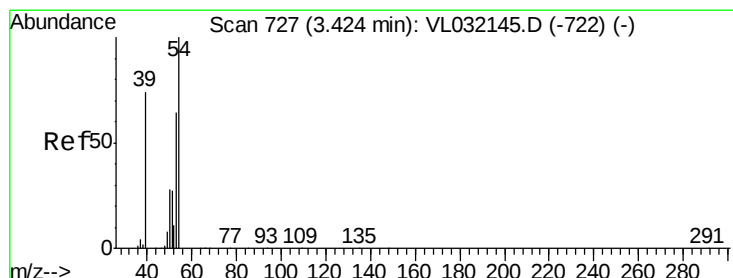
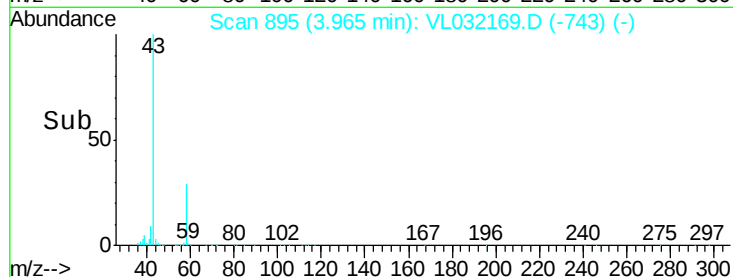
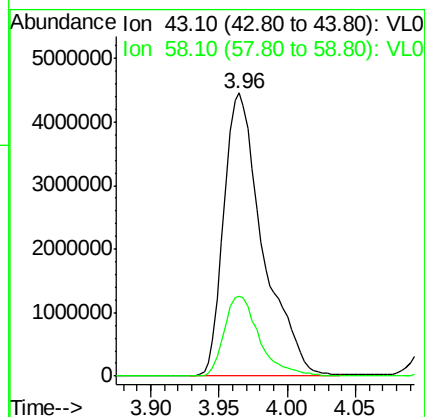
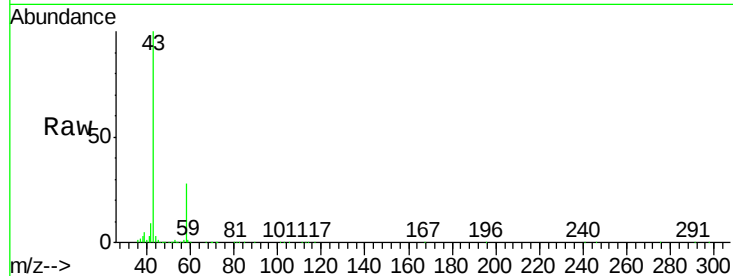
43 100

58 25.6 21.4 32.0

Manual Integrations
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#16

1,3-Butadiene

Concen: 4.97 ppbv

RT: 3.42 min Scan# 726

Delta R.T. -0.01 min

Lab File: VL032169.D

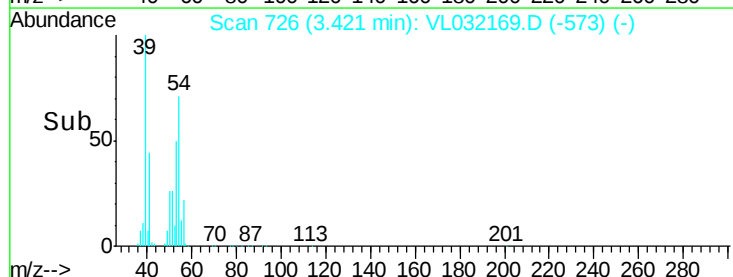
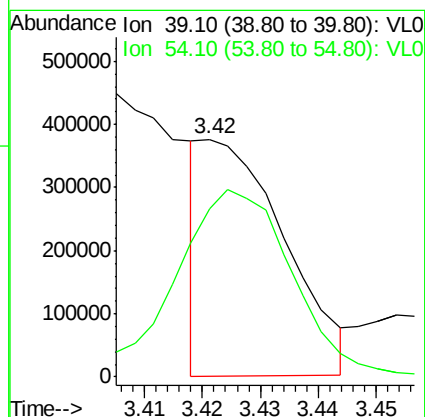
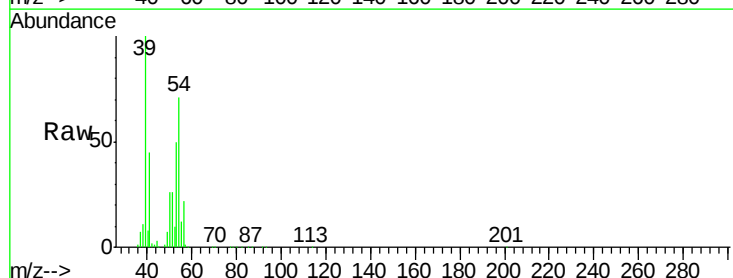
Acq: 30 Jun 2018 13:51

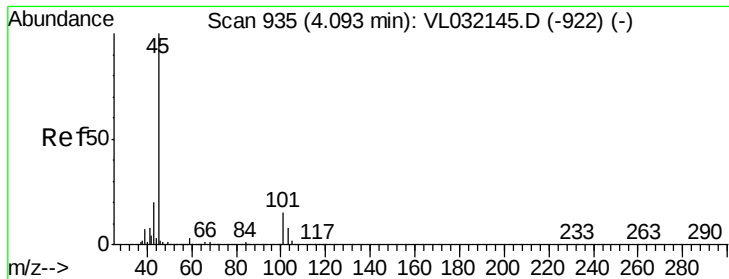
Tgt Ion: 39 Resp: 368903

Ion Ratio Lower Upper

39 100

54 115.4 75.8 113.6#





#19

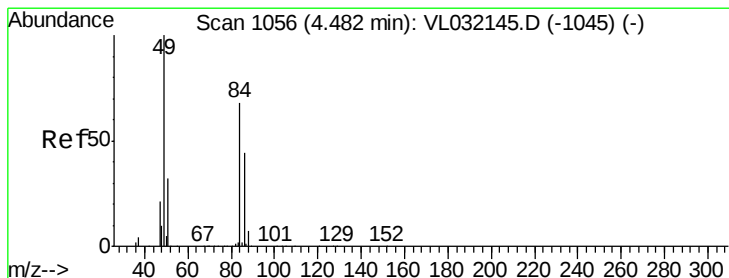
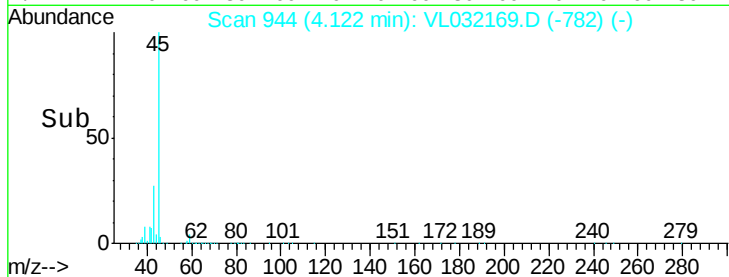
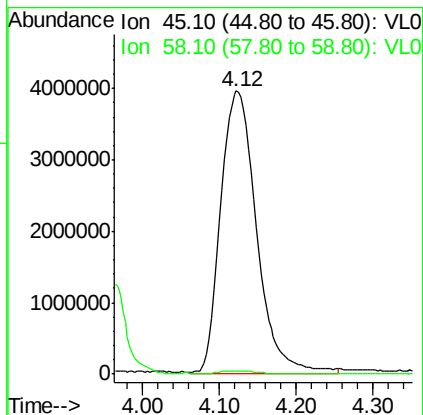
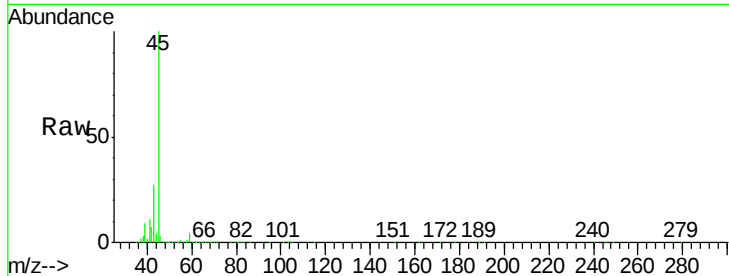
Isopropyl Alcohol
 Concen: 100.62 ppbv m
 RT: 4.12 min Scan# 944
 Delta R.T. 0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tot Ion: 45 Resp: 12999031
 Ion Ratio Lower Upper
 45 100
 58 0.0 29.4 44.0#

Manual Integrations
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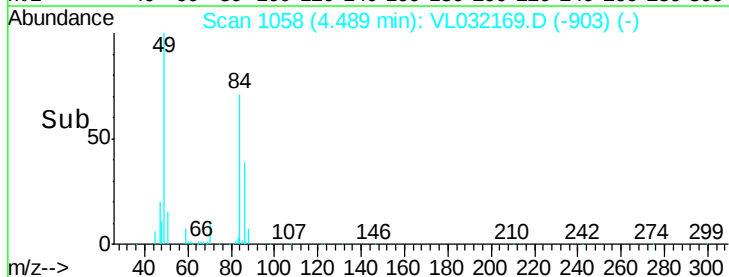
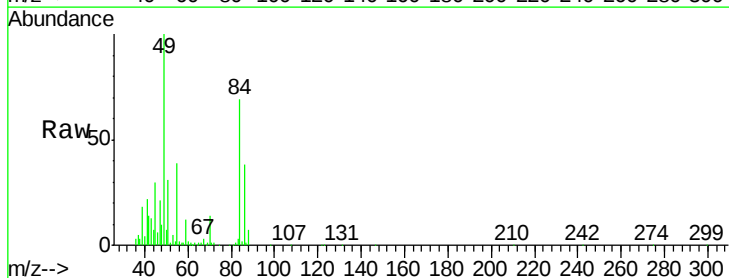
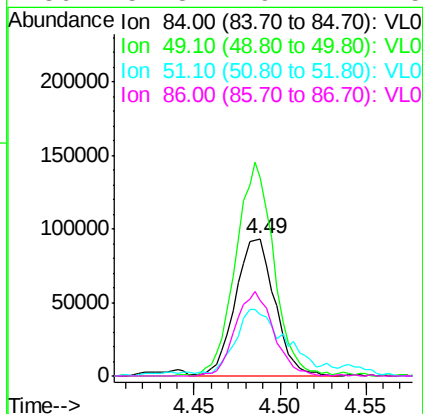
MMDadoda
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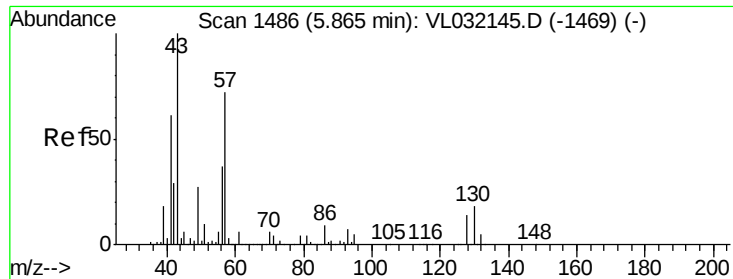


#20

Methylene Chloride
 Concen: 2.60 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





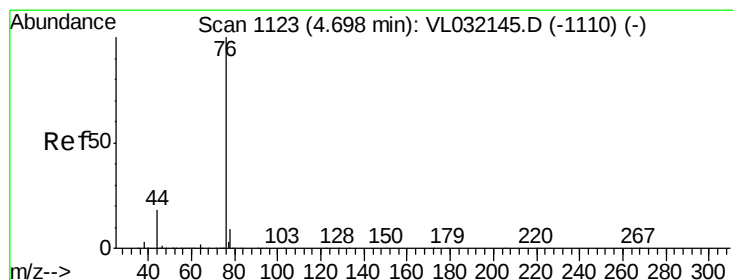
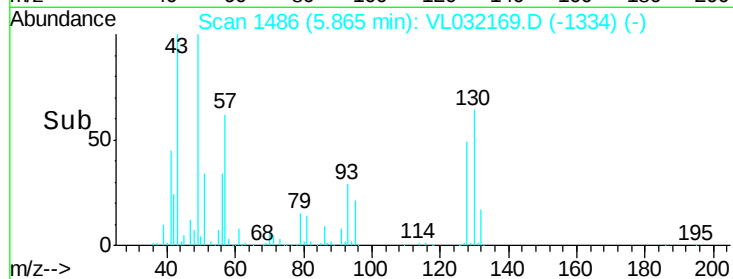
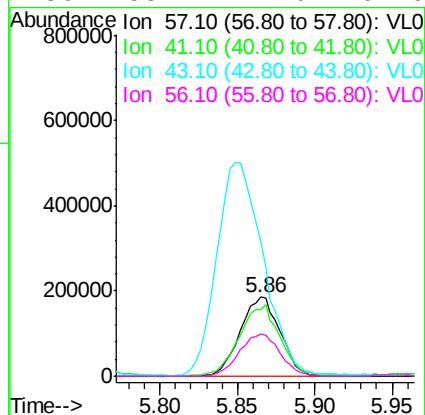
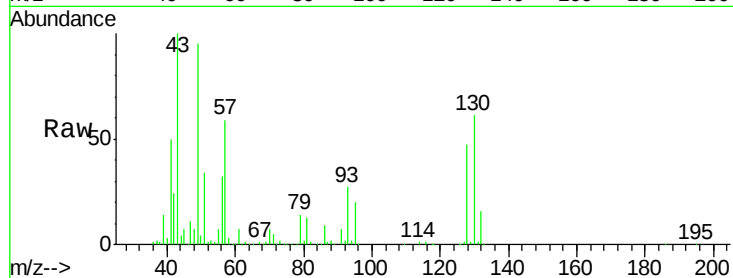
#26
Hexane
Concen: 2.23 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

Tot 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

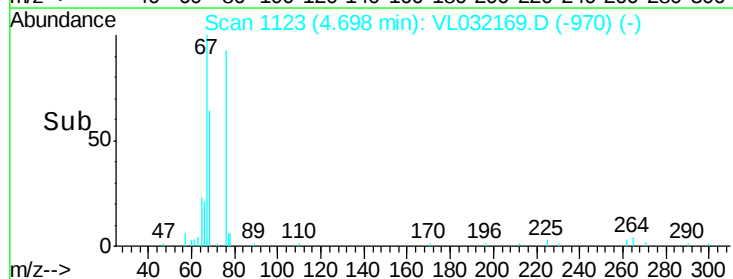
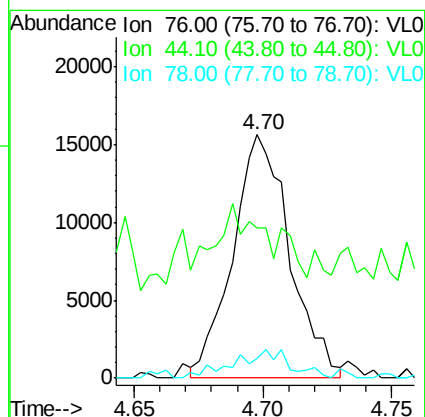
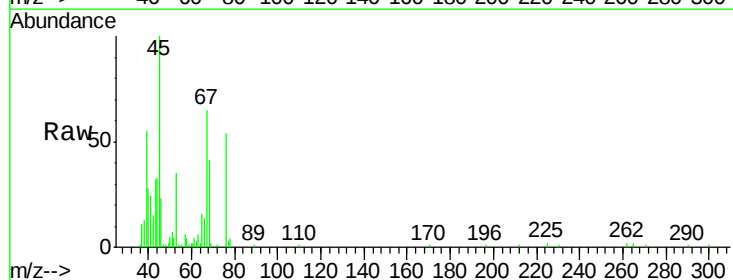
Manual Integrations
APPROVED

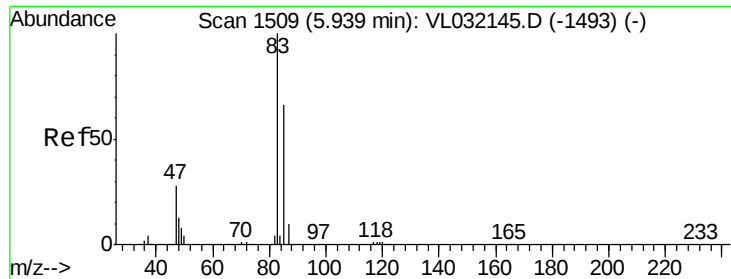
MMDadoda
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#27
Carbon Disulfide
Concen: 0.16 ppbv
RT: 4.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion	Ratio	Lower	Upper
76	100		
44	58.3	15.1	22.7#
78	14.2	7.2	10.8#





#29

Chloroform

Concen: 0.69 ppbv

RT: 5.94 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion: 83 Resp: 149079

Ion Ratio Lower Upper

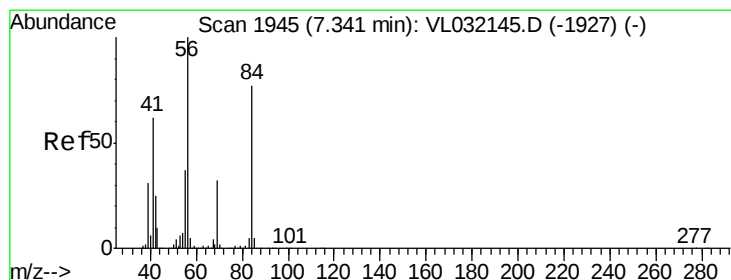
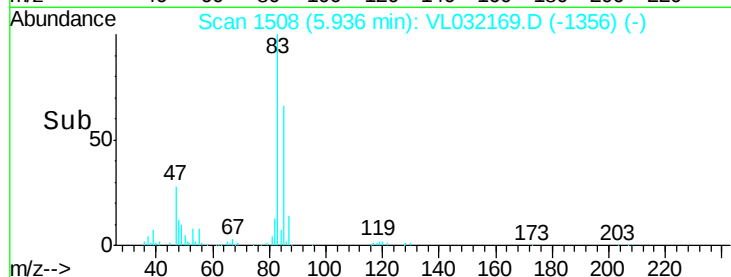
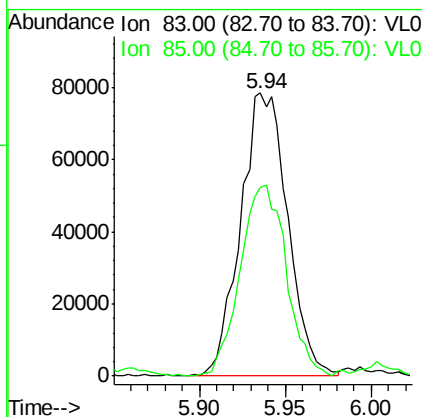
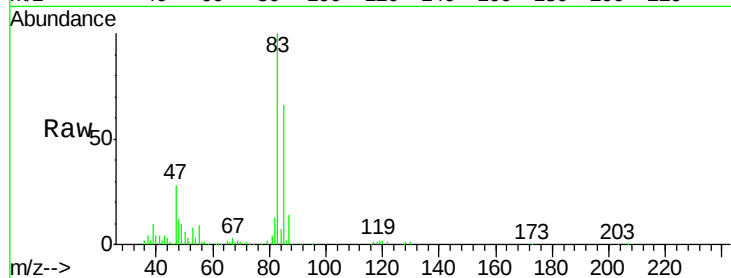
83 100

85 66.1 51.6 77.4

Manual Integrations
APPROVED

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#30

Cyclohexane

Concen: 0.40 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

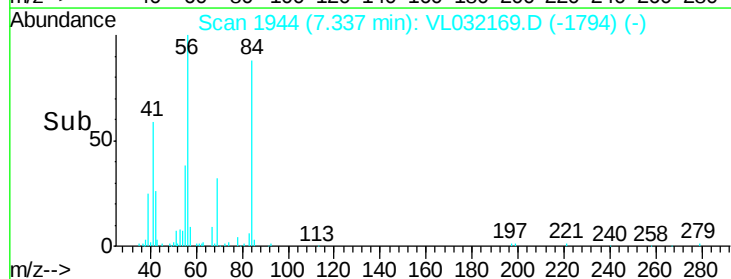
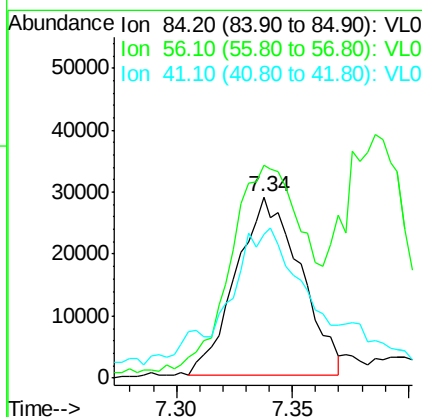
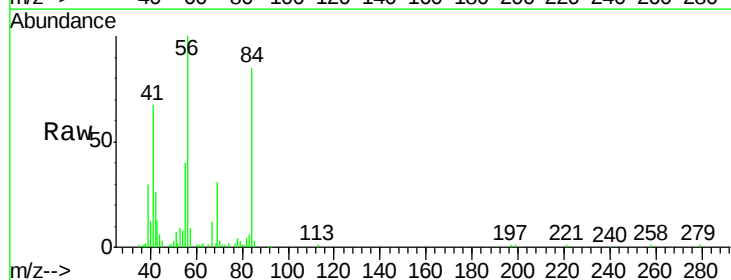
Tgt Ion: 84 Resp: 55264

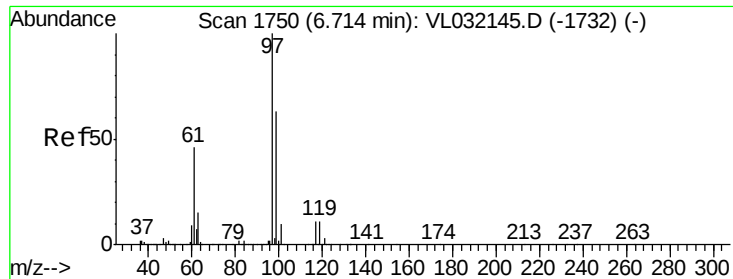
Ion Ratio Lower Upper

84 100

56 136.1 109.1 163.7

41 118.0 64.6 96.8#





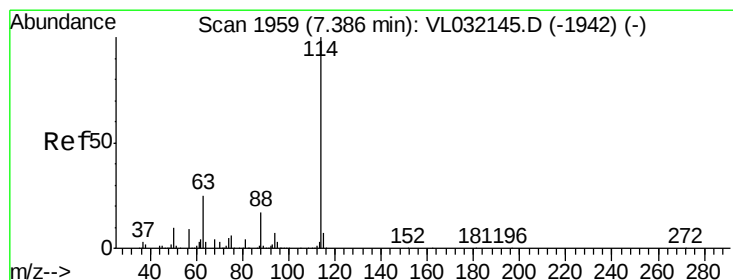
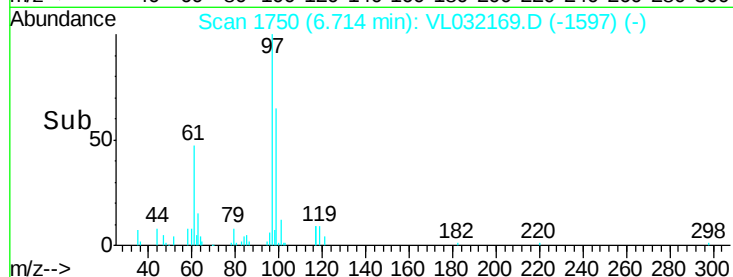
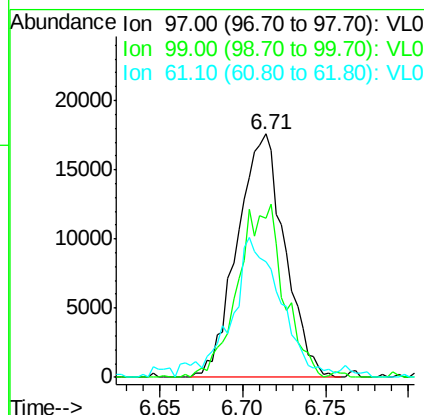
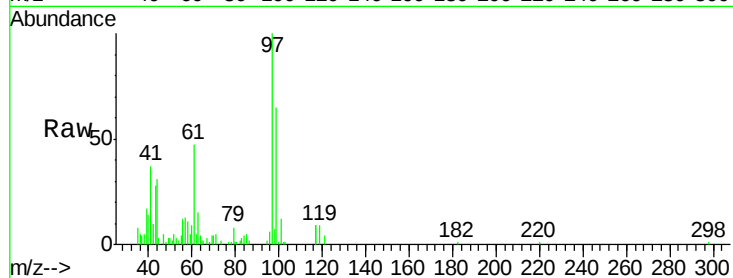
#32
 1,1,1-Trichloroethane
 Concen: 0.15 ppbv
 RT: 6.71 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tot Ion	Ratio	Lower	Upper
97	100		
99	69.1	51.3	76.9
61	62.8	38.4	57.6

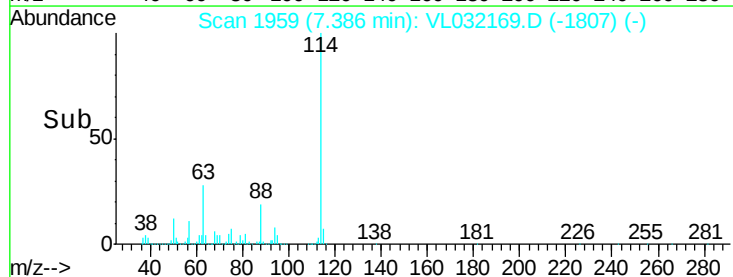
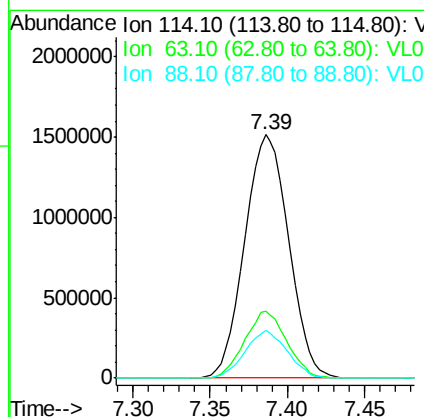
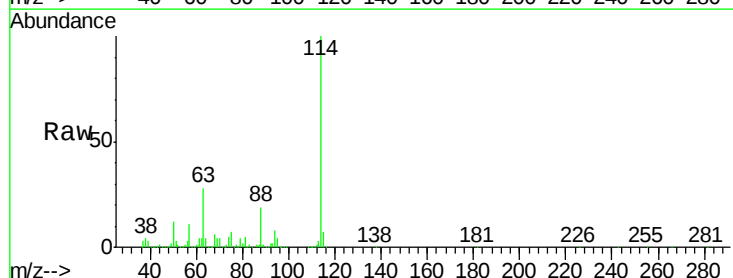
Manual Integrations
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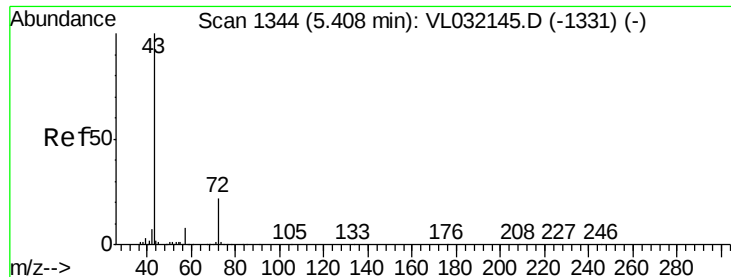
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#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.39 min Scan# 1959
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

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





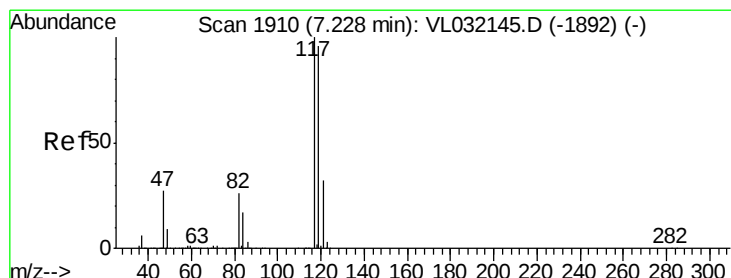
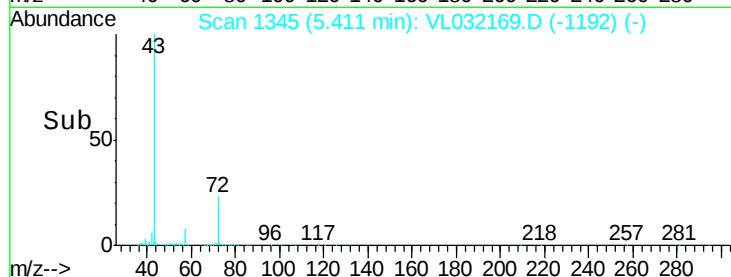
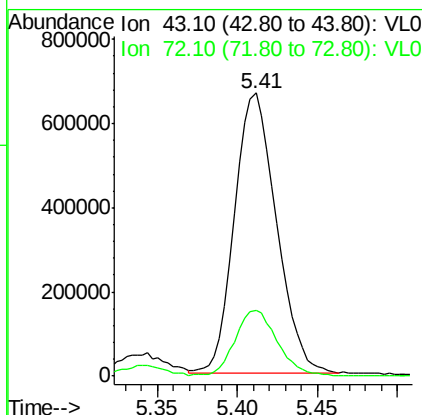
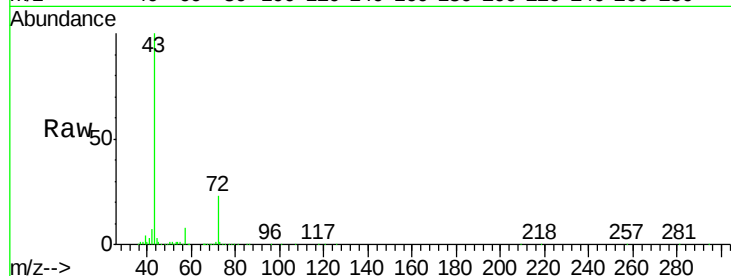
#34
2-Butanone
Concen: 6.23 ppbv
RT: 5.41 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

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

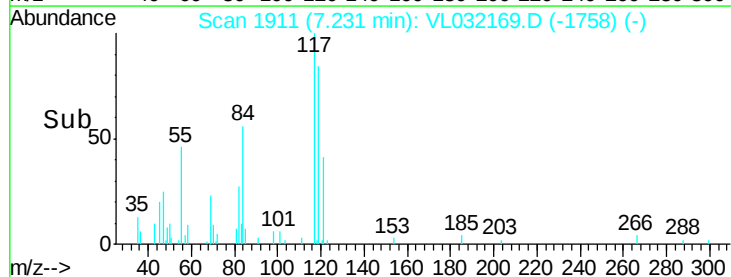
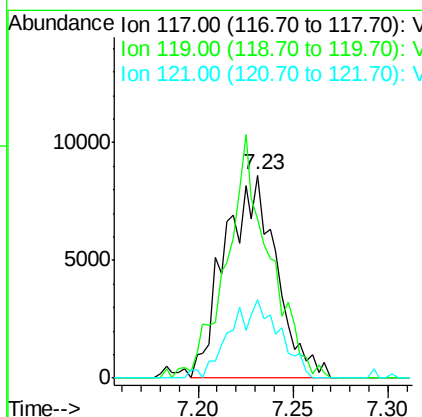
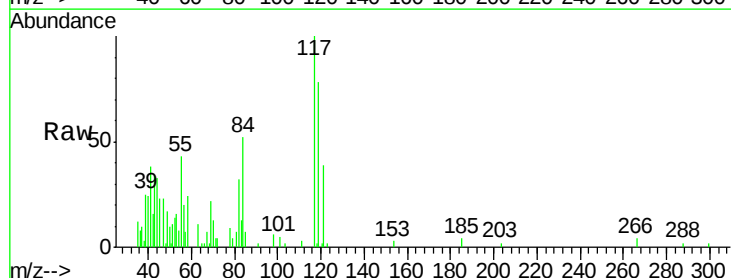
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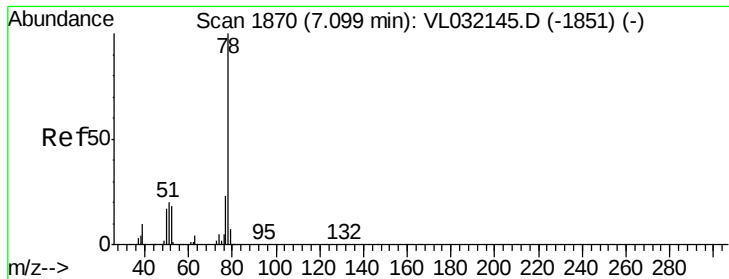
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#35
Carbon Tetrachloride
Concen: 0.08 ppbv m
RT: 7.23 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion: 117 Resp: 16355
Ion Ratio Lower Upper
117 100
119 78.5 74.8 112.2
121 38.5 24.0 36.0#





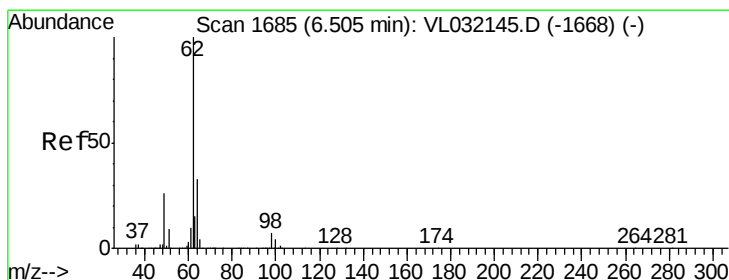
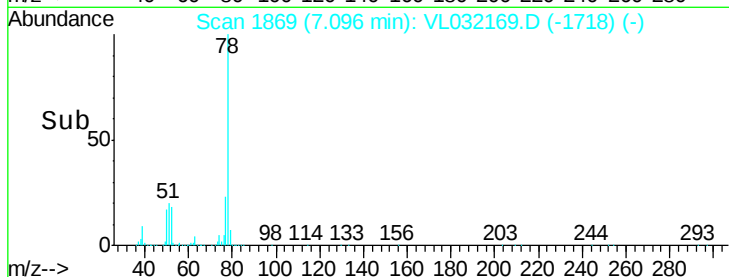
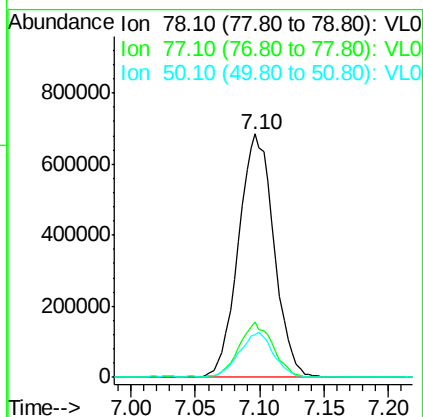
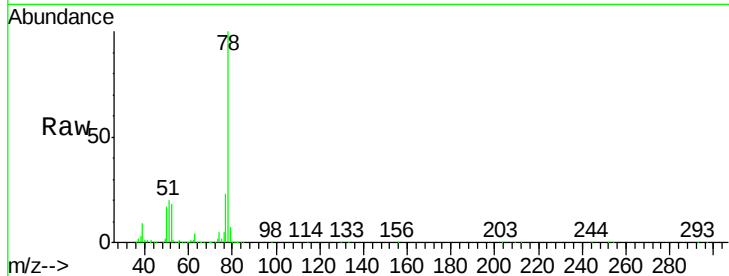
#36
Benzene
Concen: 4.49 ppbv
RT: 7.10 min Scan# 1869
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

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

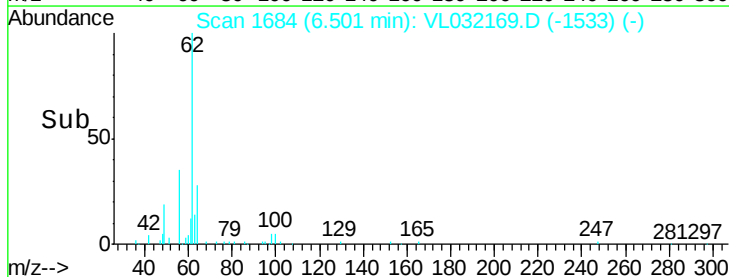
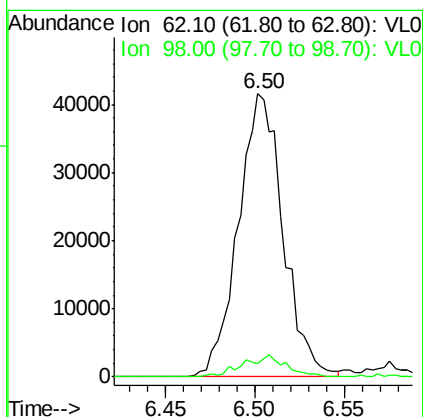
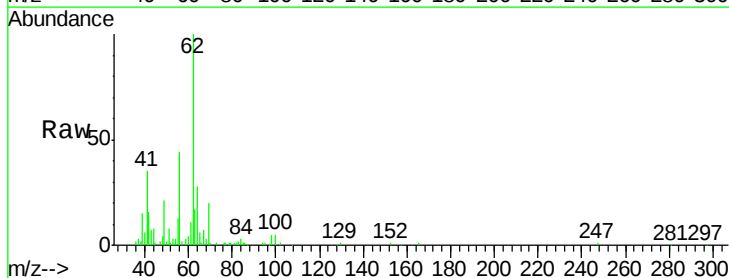
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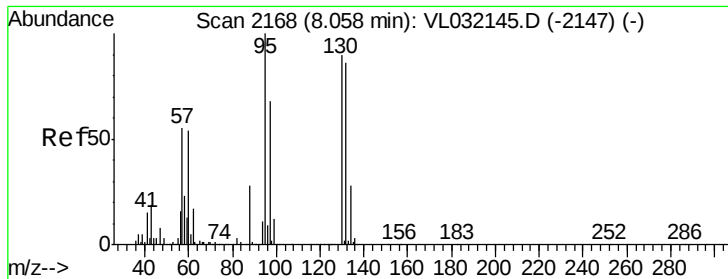
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#37
1,2-Dichloroethane
Concen: 0.50 ppbv
RT: 6.50 min Scan# 1684
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

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





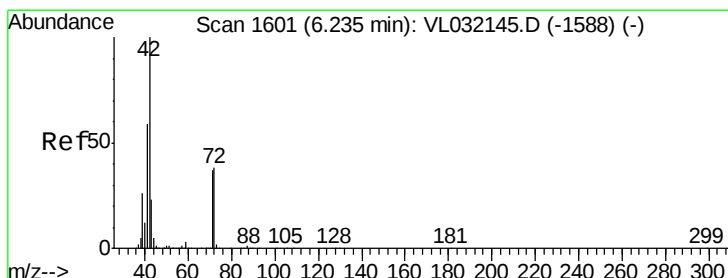
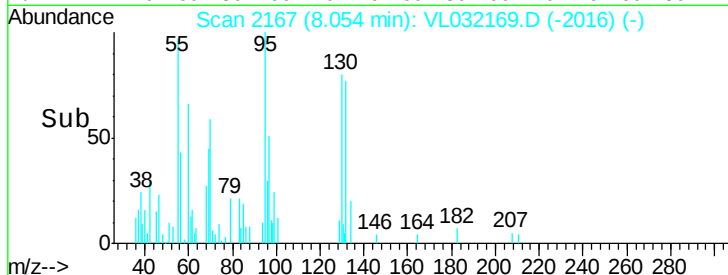
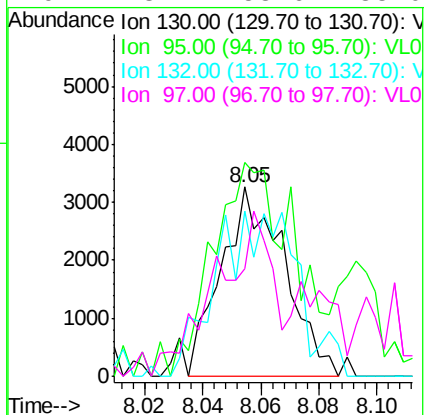
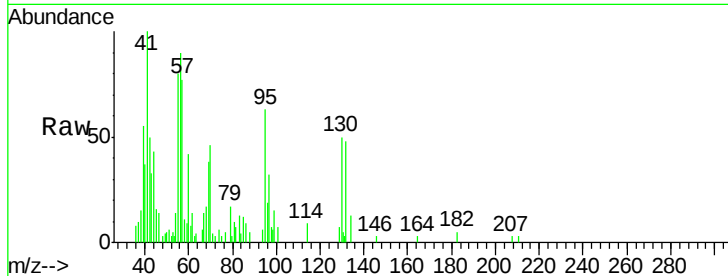
#38
 Trichloroethene
 Concen: 0.04 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tot 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#

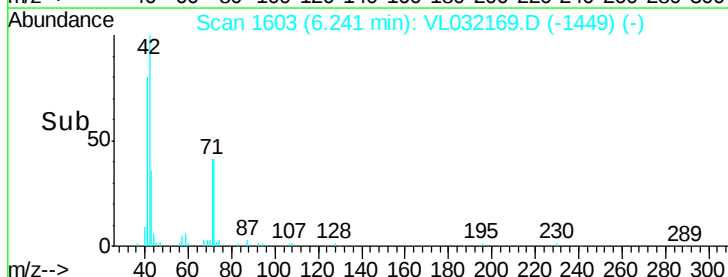
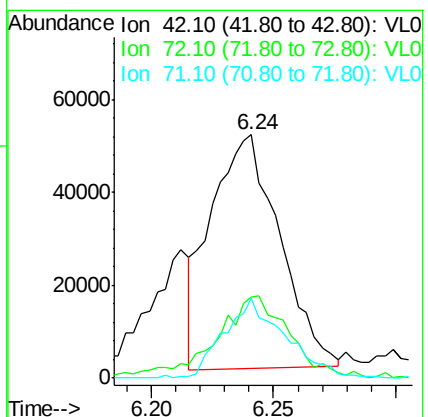
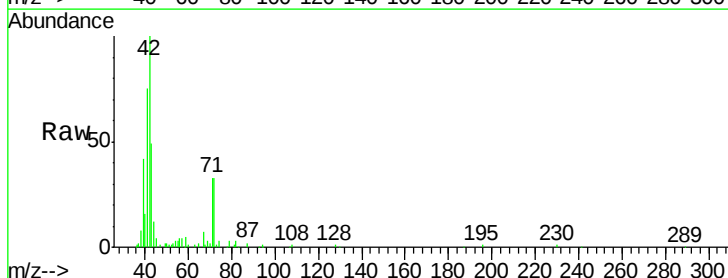
Manual Integrations
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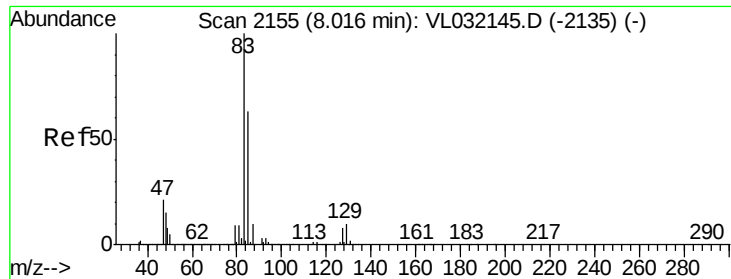
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#41
 Tetrahydrofuran
 Concen: 0.87 ppbv
 RT: 6.24 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.1	46.7
71	30.5	29.5	44.3





#42

Bromodichloromethane

Concen: 0.12 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

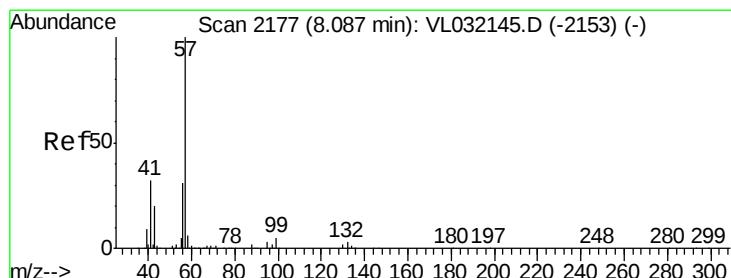
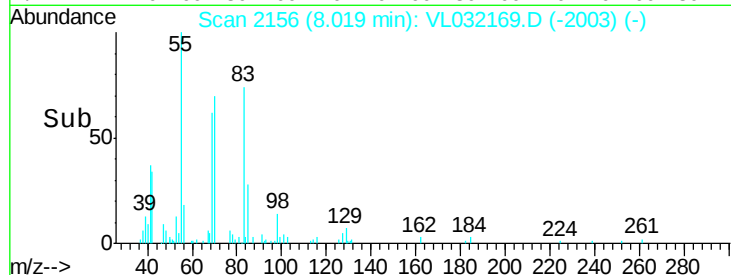
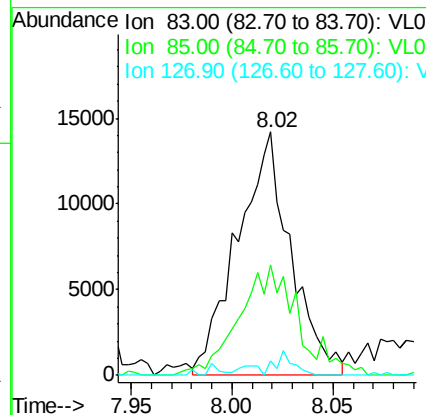
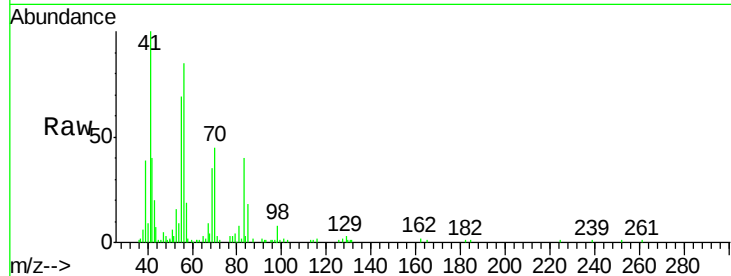
ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion	83	Resp	26124
Ion Ratio	100	Lower	Upper
83	100		
85	45.2	52.6	79.0#
127	6.4	6.5	9.7#

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.14 ppbv m

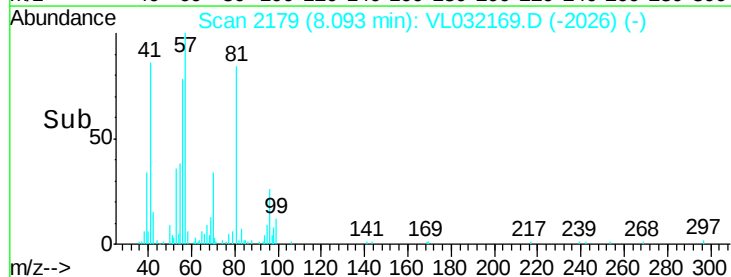
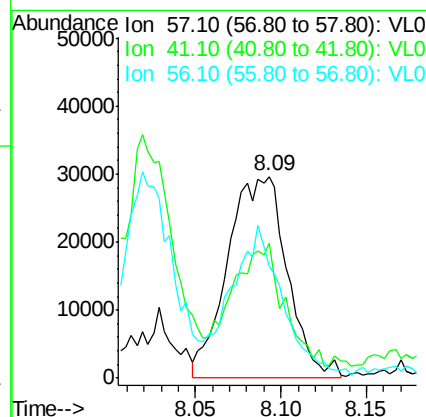
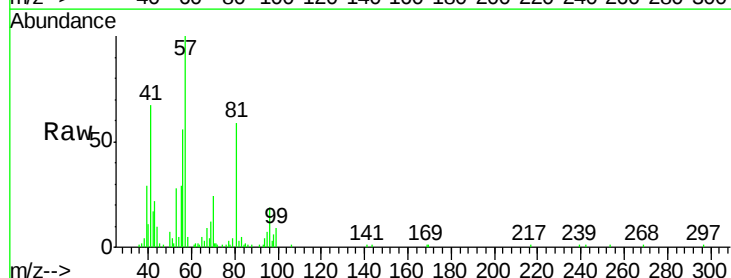
RT: 8.09 min Scan# 2179

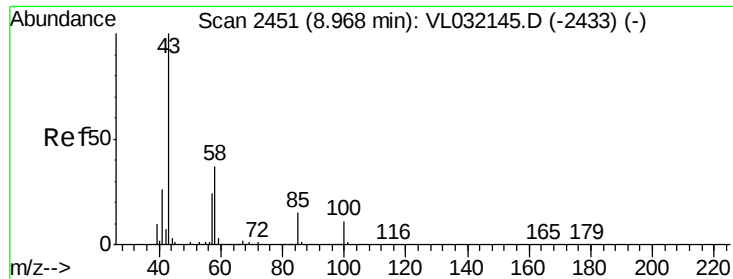
Delta R.T. -0.01 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Tgt Ion	57	Resp	71861
Ion Ratio	100	Lower	Upper
57	100		
41	63.2	24.3	36.5#
56	0.0	25.1	37.7#





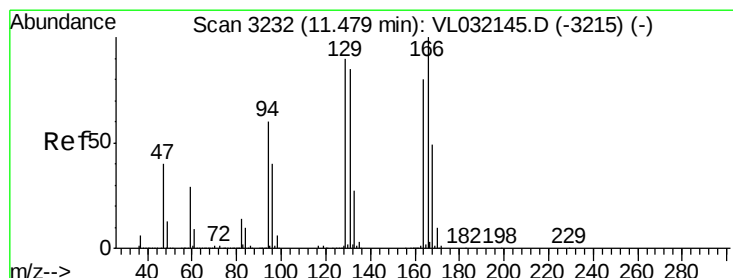
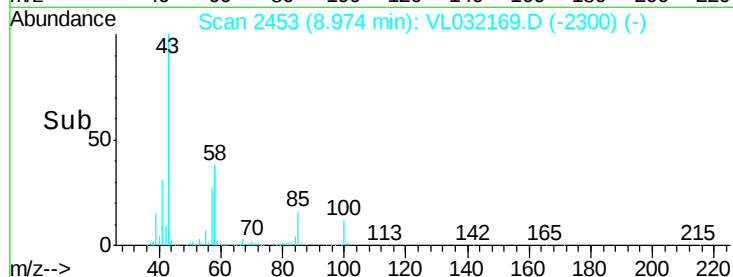
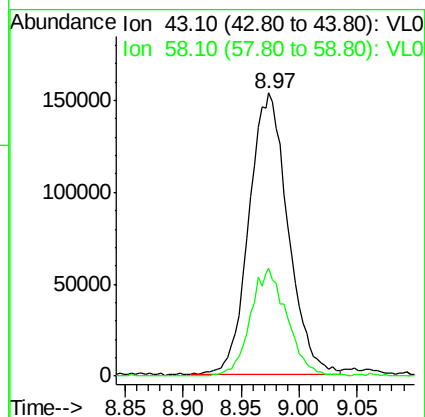
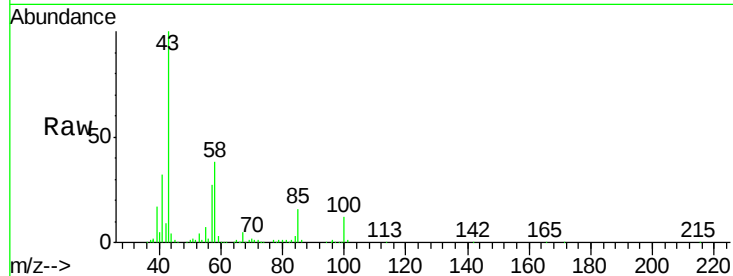
#50
4-Methyl-2-Pentanone
Concen: 1.15 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. -0.01 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

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

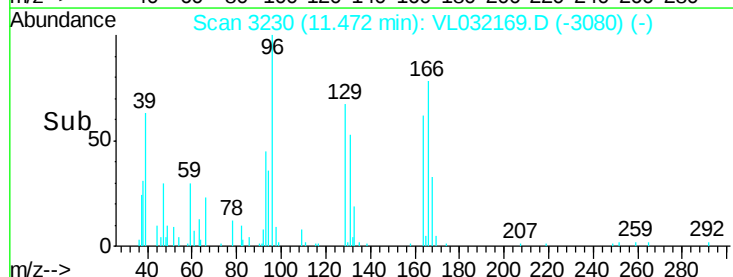
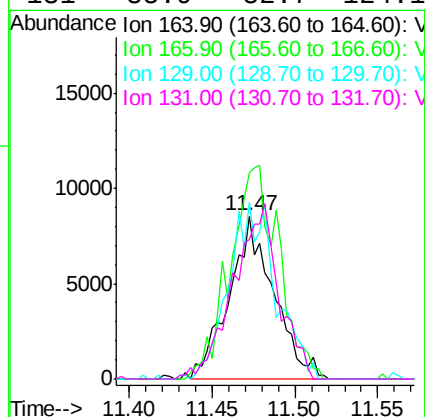
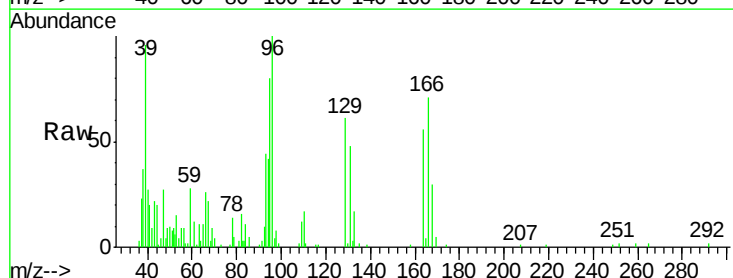
Manual Integrations
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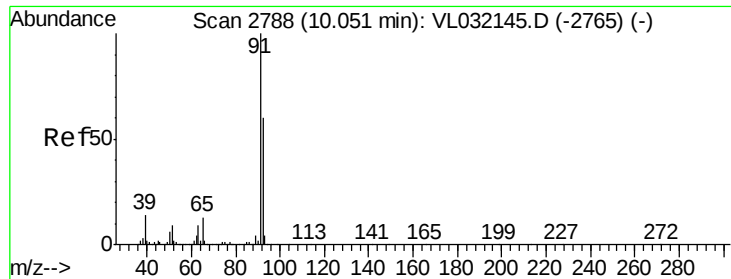
MMDadoda
7/2/2018 4:26:25 PM



#52
Tetrachloroethene
Concen: 0.15 ppbv m
RT: 11.47 min Scan# 3230
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Tgt Ion: 164 Resp: 16005
Ion Ratio Lower Upper
164 100
166 126.4 100.6 151.0
129 108.2 84.0 126.0
131 85.9 82.7 124.1





#53

Toluene

Concen: 11.48 ppbv

RT: 10.05 min Scan# 2787

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion: 91 Resp: 4033705

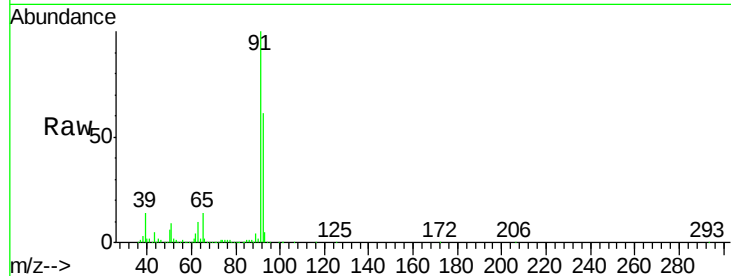
Ion Ratio Lower Upper

91 100

92 60.8 49.2 73.8

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

10.05

2000000

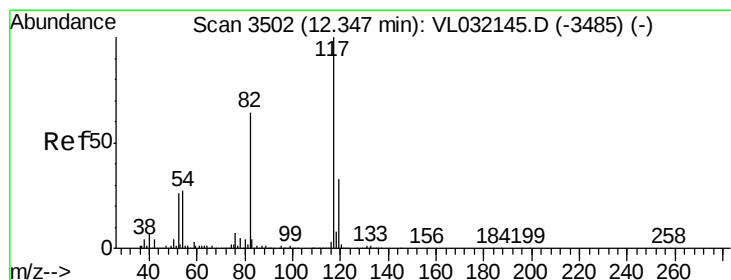
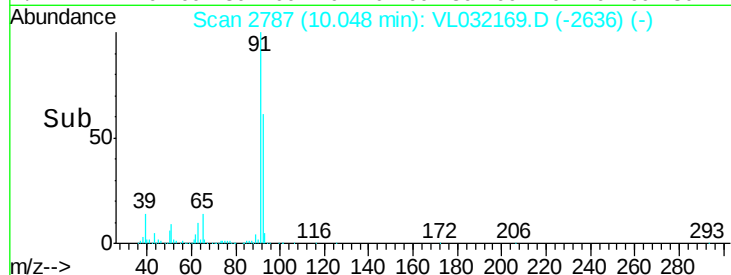
1500000

1000000

500000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.34 min Scan# 3501

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

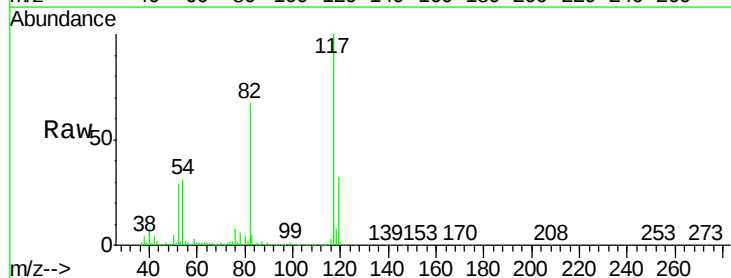
Tgt Ion: 117 Resp: 3246513

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

12.34

2000000

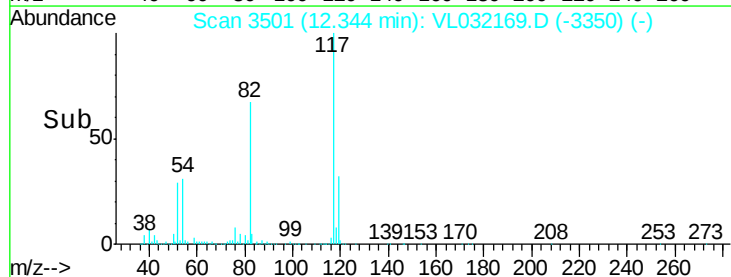
1500000

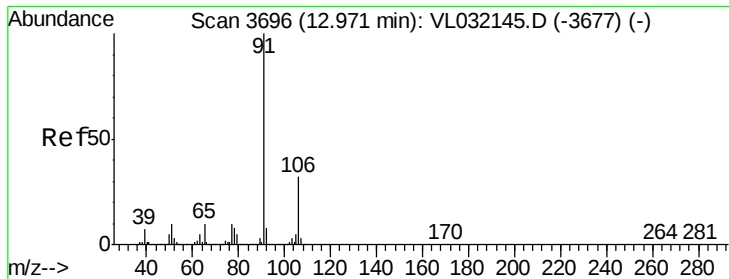
1000000

500000

0

Time-->





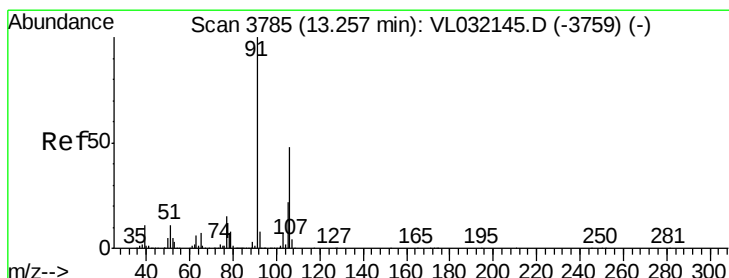
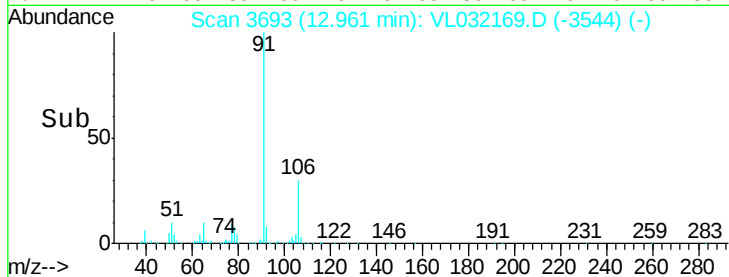
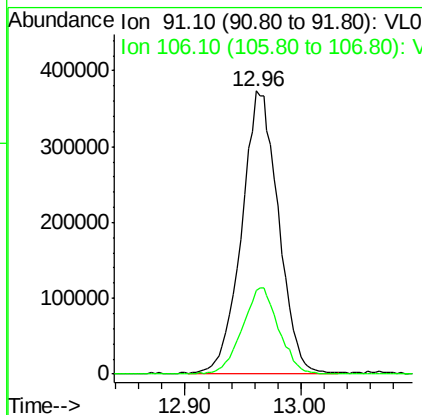
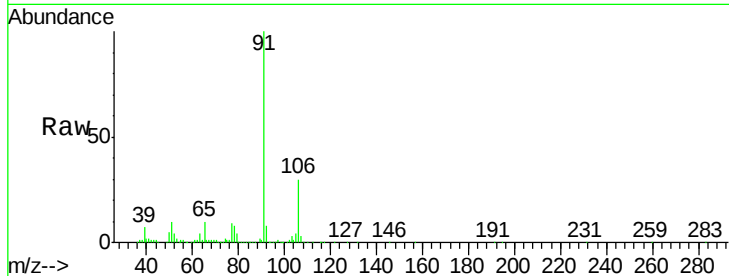
#58
Ethyl Benzene
Concen: 1.56 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

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

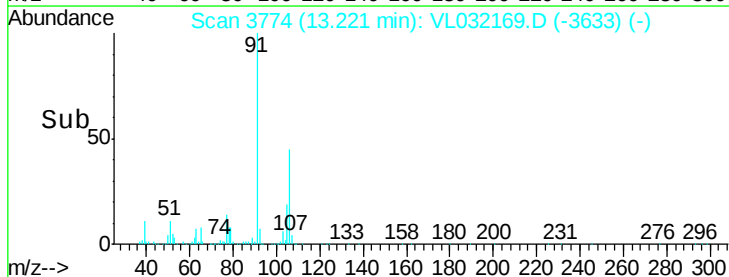
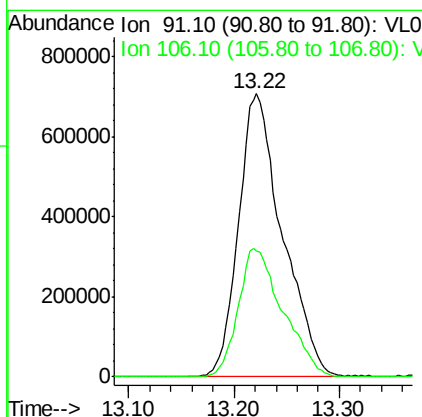
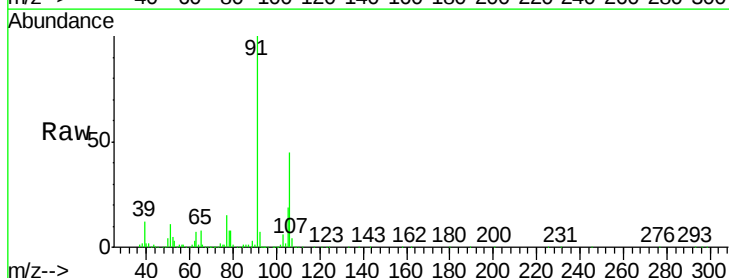
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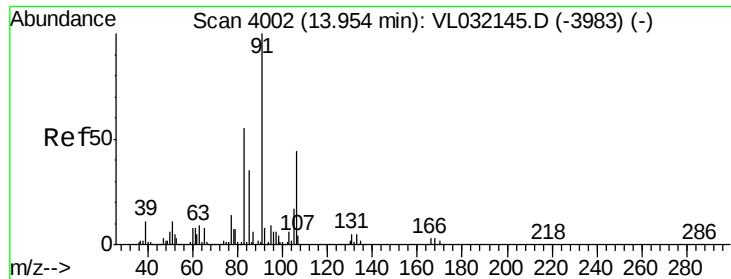
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#59
m/p-Xylene
Concen: 4.88 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. -0.05 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

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





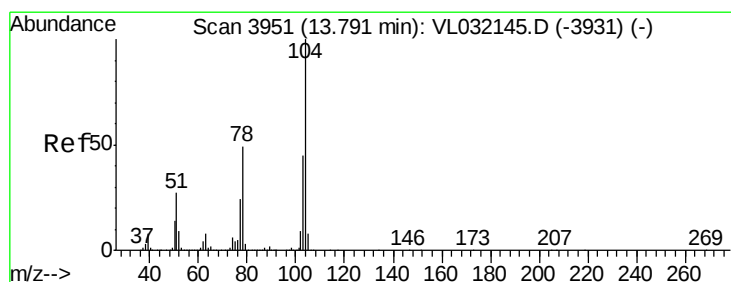
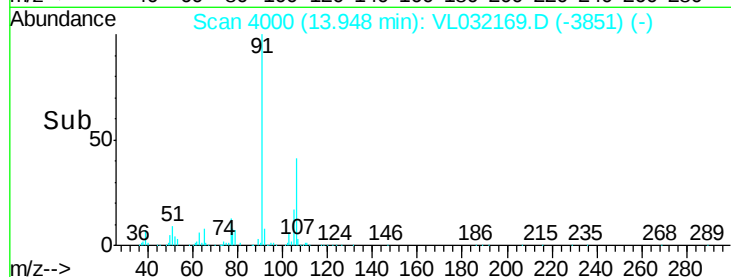
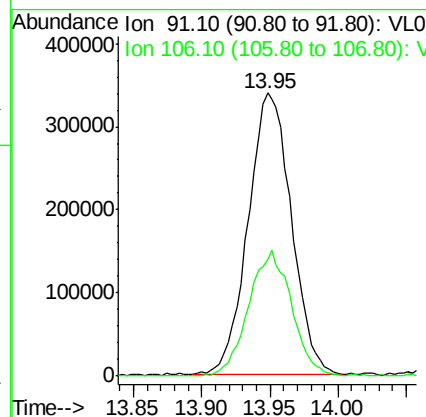
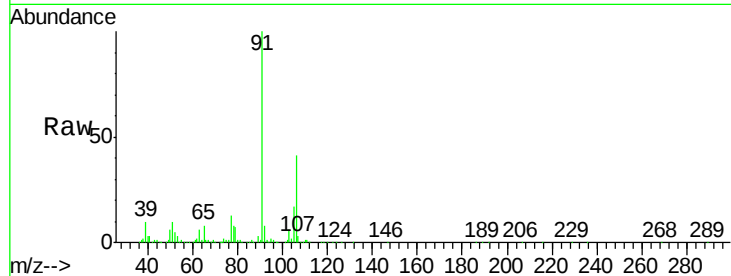
#60
o-Xylene
Concen: 1.78 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-INDOOR

Tot Ion	Ratio	Lower	Upper
91	100		
106	44.6	23.3	69.8

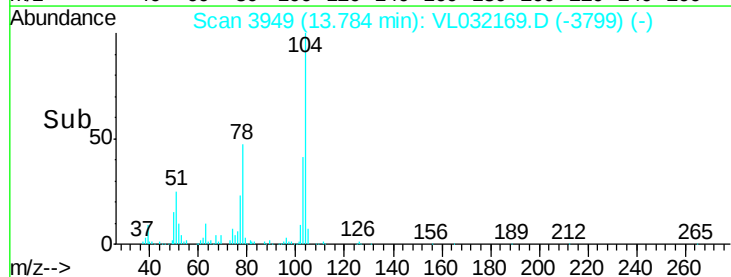
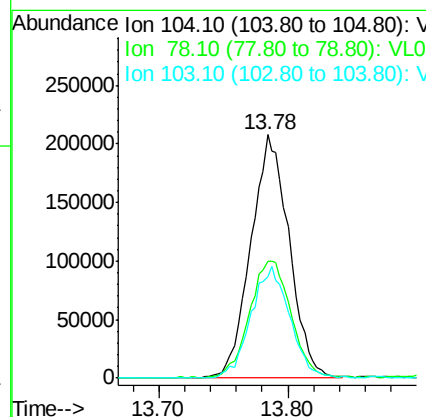
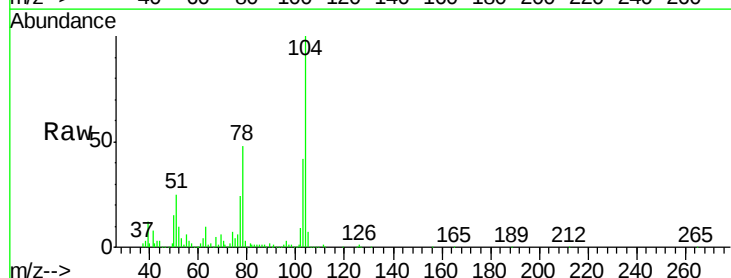
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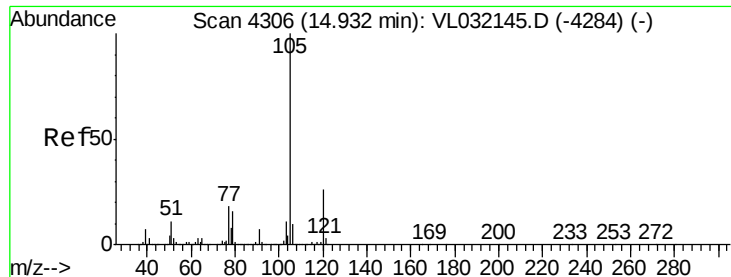
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#61
Styrene
Concen: 1.26 ppbv
RT: 13.78 min Scan# 3949
Delta R.T. -0.02 min
Lab File: VL032169.D
Acq: 30 Jun 2018 13:51

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





#62

Isopropylbenzene

Concen: 0.16 ppbv

RT: 14.93 min Scan# 4305

Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-INDOOR

Tot Ion:105 Resp: 100455

Ion Ratio Lower Upper

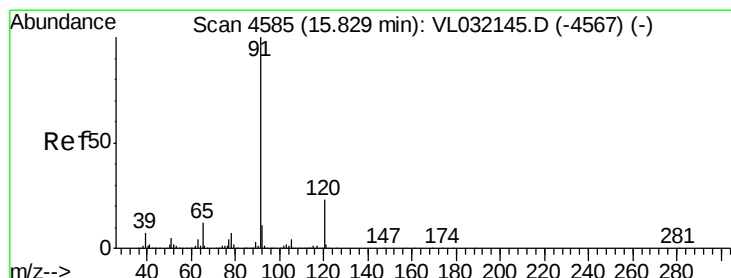
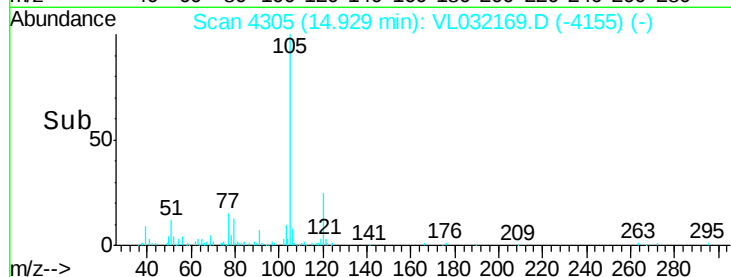
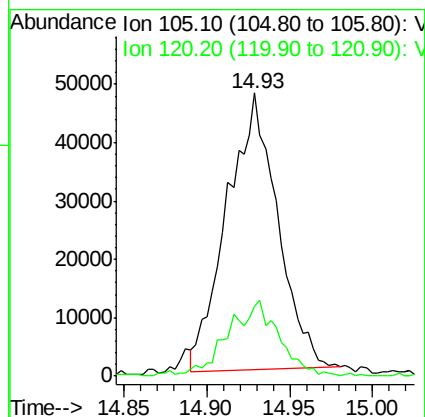
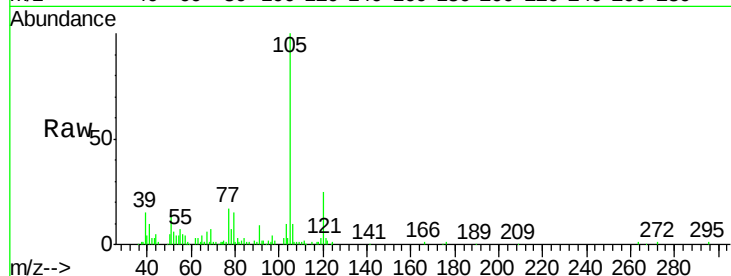
105 100

120 28.3 21.0 31.4

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#64

n-propylbenzene

Concen: 0.39 ppbv

RT: 15.83 min Scan# 4584

Delta R.T. -0.02 min

Lab File: VL032169.D

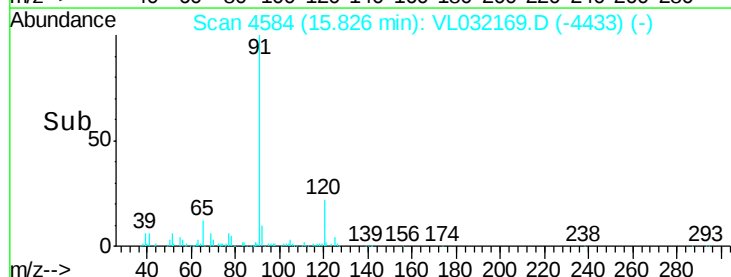
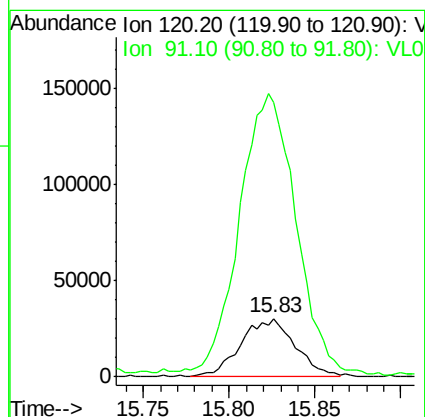
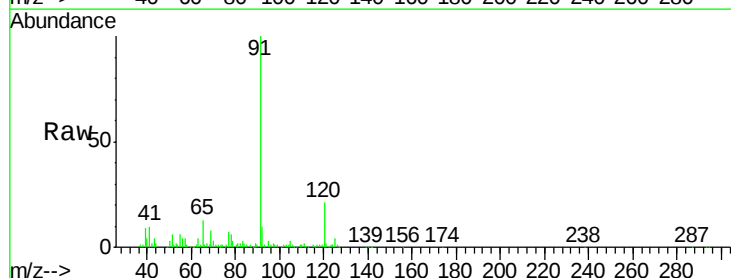
Acq: 30 Jun 2018 13:51

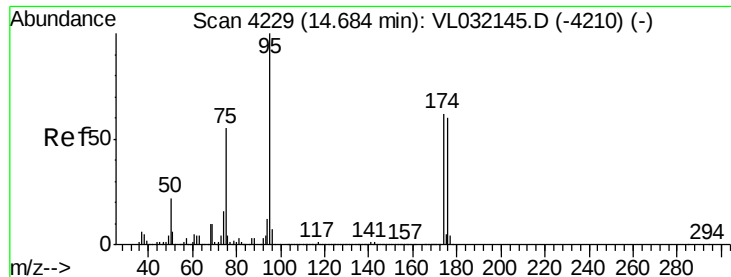
Tgt Ion:120 Resp: 64616

Ion Ratio Lower Upper

120 100

91 521.0 357.4 536.0





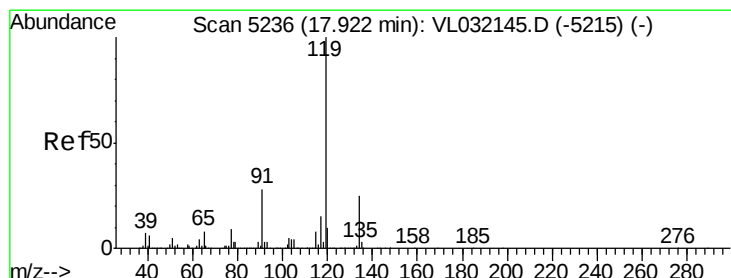
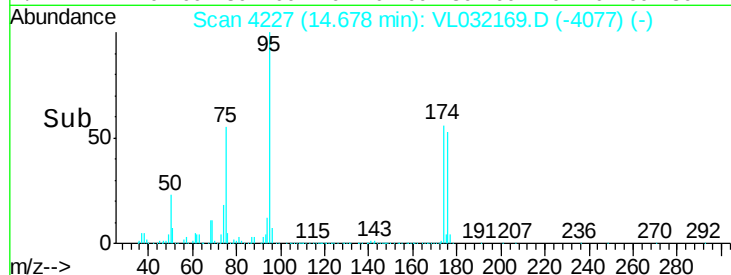
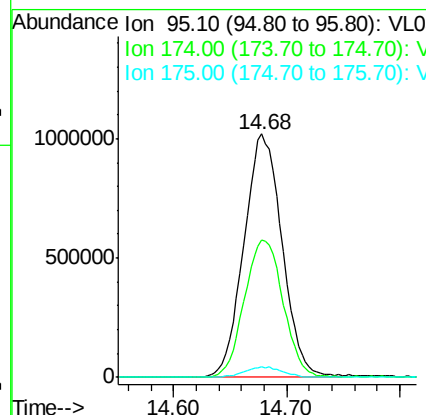
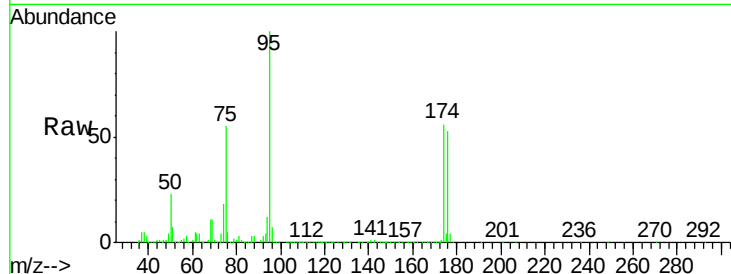
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.65 ppbv
 RT: 14.68 min Scan# 4227
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-INDOOR

Tot Ion: 95 Resp: 2395437
 Ion Ratio Lower Upper
 95 100
 174 57.9 52.1 78.1
 175 4.3 4.0 6.0

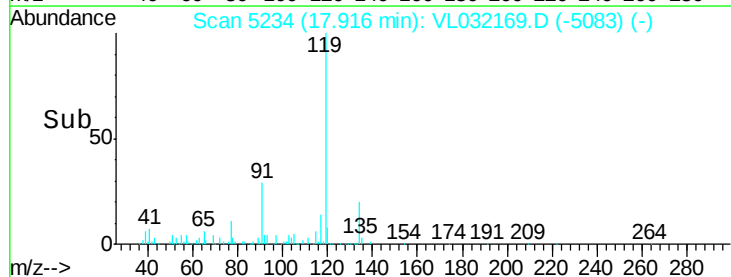
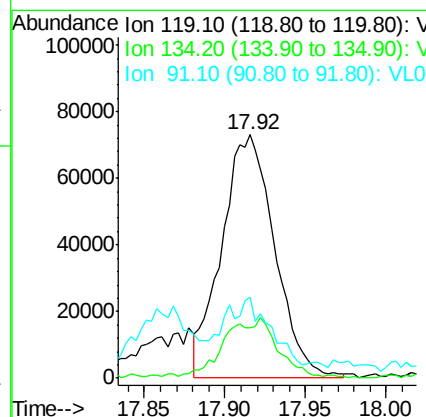
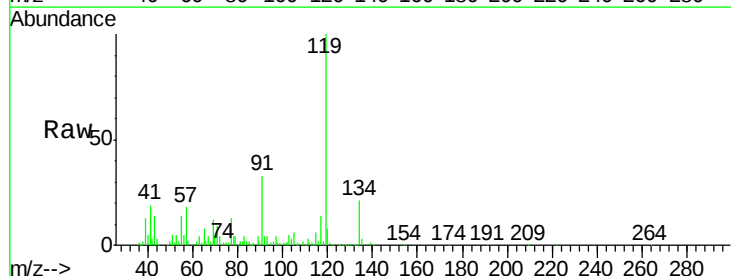
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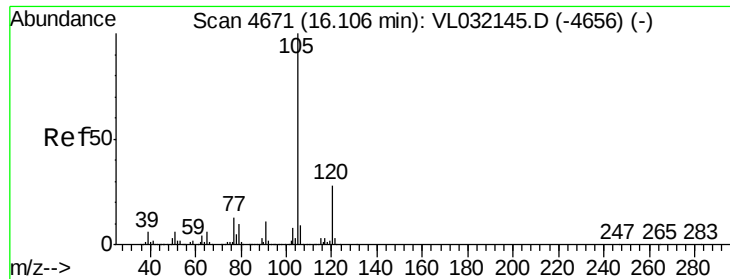
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#69
 p-Isopropyltoluene
 Concen: 0.25 ppbv m
 RT: 17.92 min Scan# 5234
 Delta R.T. -0.02 min
 Lab File: VL032169.D
 Acq: 30 Jun 2018 13:51

Tgt Ion: 119 Resp: 167207
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.7 31.1#
 91 0.0 21.8 32.8#





#72

4-Ethyltoluene

Concen: 0.65 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

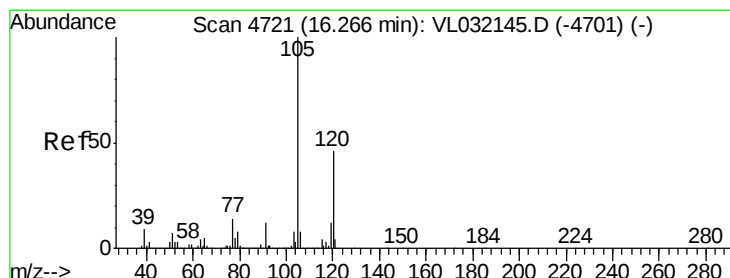
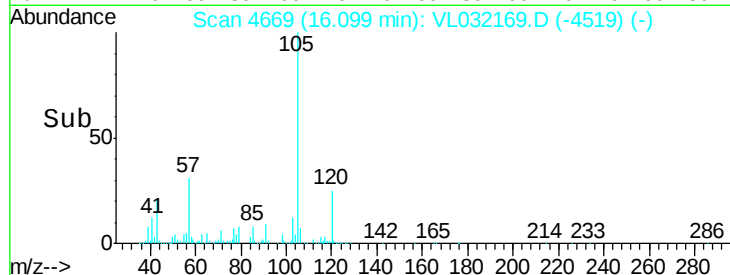
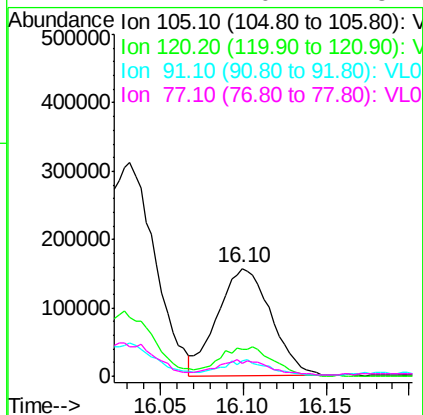
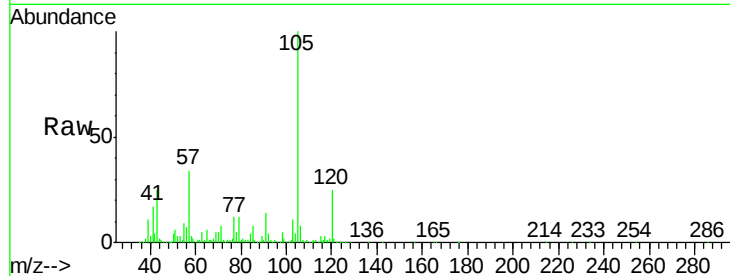
ClientSampleId :

RESIDENT-C-INDOOR

Tot 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

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#73

1,3,5-Trimethylbenzene

Concen: 0.62 ppbv

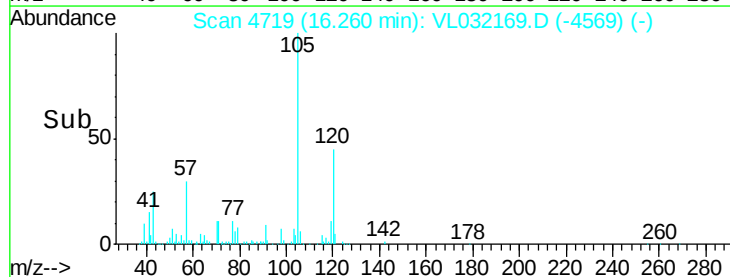
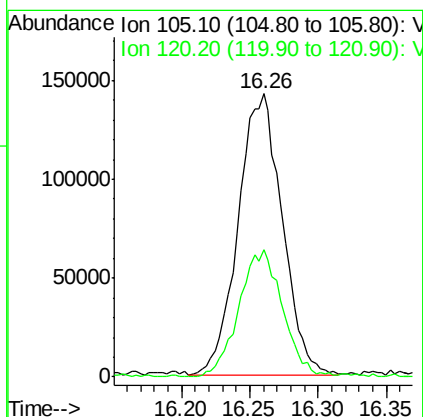
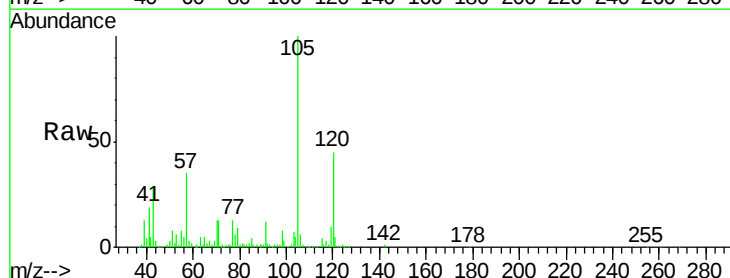
RT: 16.26 min Scan# 4719

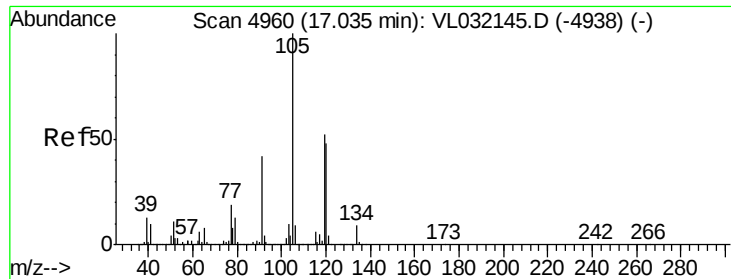
Delta R.T. -0.02 min

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





#74

1,2,4-Trimethylbenzene

Concen: 1.97 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

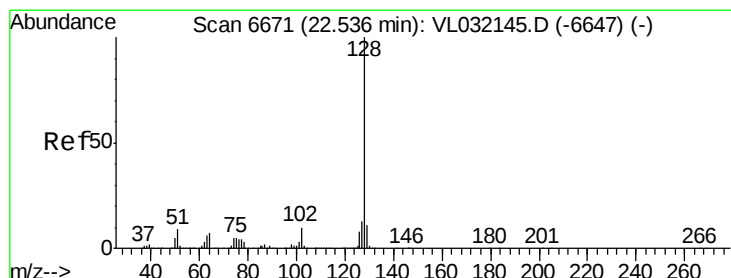
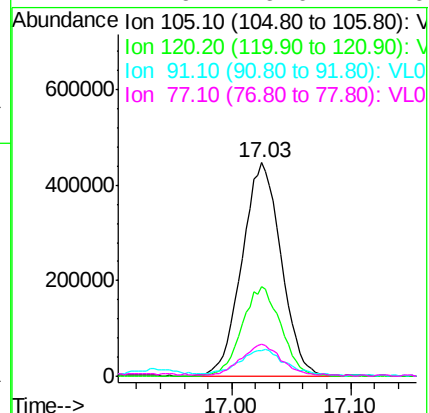
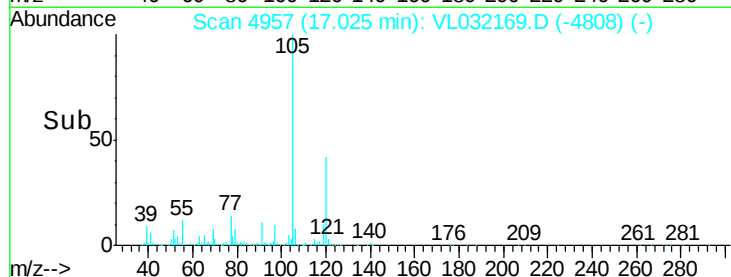
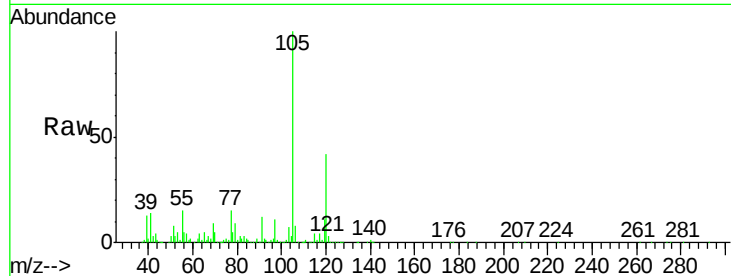
ClientSampleId :

RESIDENT-C-INDOOR

Tot 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#

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#79

Naphthalene

Concen: 0.32 ppbv m

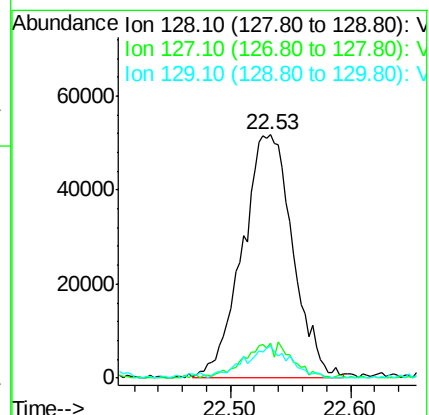
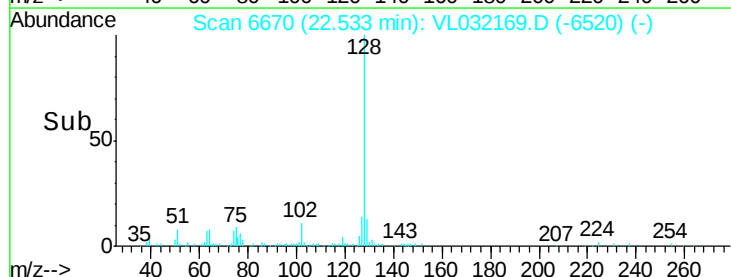
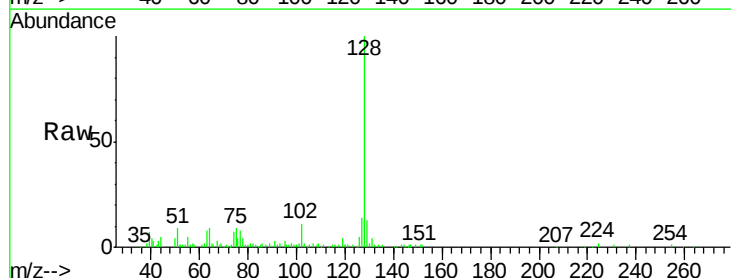
RT: 22.53 min Scan# 6670

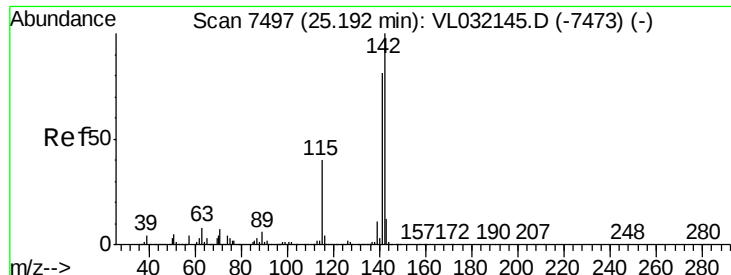
Delta R.T. -0.02 min

Lab File: VL032169.D

Acq: 30 Jun 2018 13:51

Tgt Ion:	128	Resp:	150696
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.5	15.7
129	13.5	9.0	13.6





#80
 Naphthalene, 2-methyl-
 Concen: 0.22 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

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

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