

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037306.D
 Acq On : 31 Jul 2021 6:37
 Operator : SY/AP
 Sample : M3121-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-4DL

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:58:50 AM

Quant Time: Jul 31 08:00:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 31 08:00:39 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1122385	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3421796	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3016172	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2064680	9.41	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	106276	0.473	ppbv	99
9) Propene	3.01	41	16363m	0.216	ppbv	
13) Ethanol	3.61	45	173194m	10.415	ppbv	
15) Acetone	3.86	43	189831	0.939	ppbv #	77
19) Isopropyl Alcohol	3.98	45	343716m	4.395	ppbv	
20) Methylene Chloride	4.34	84	66154m	0.846	ppbv	
26) Hexane	5.68	57	21368	0.136	ppbv #	52
34) 2-Butanone	5.26	43	28666m	0.195	ppbv	
52) Tetrachloroethene	11.22	164	4987m	0.039	ppbv	
53) Toluene	9.80	91	43470m	0.128	ppbv	

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

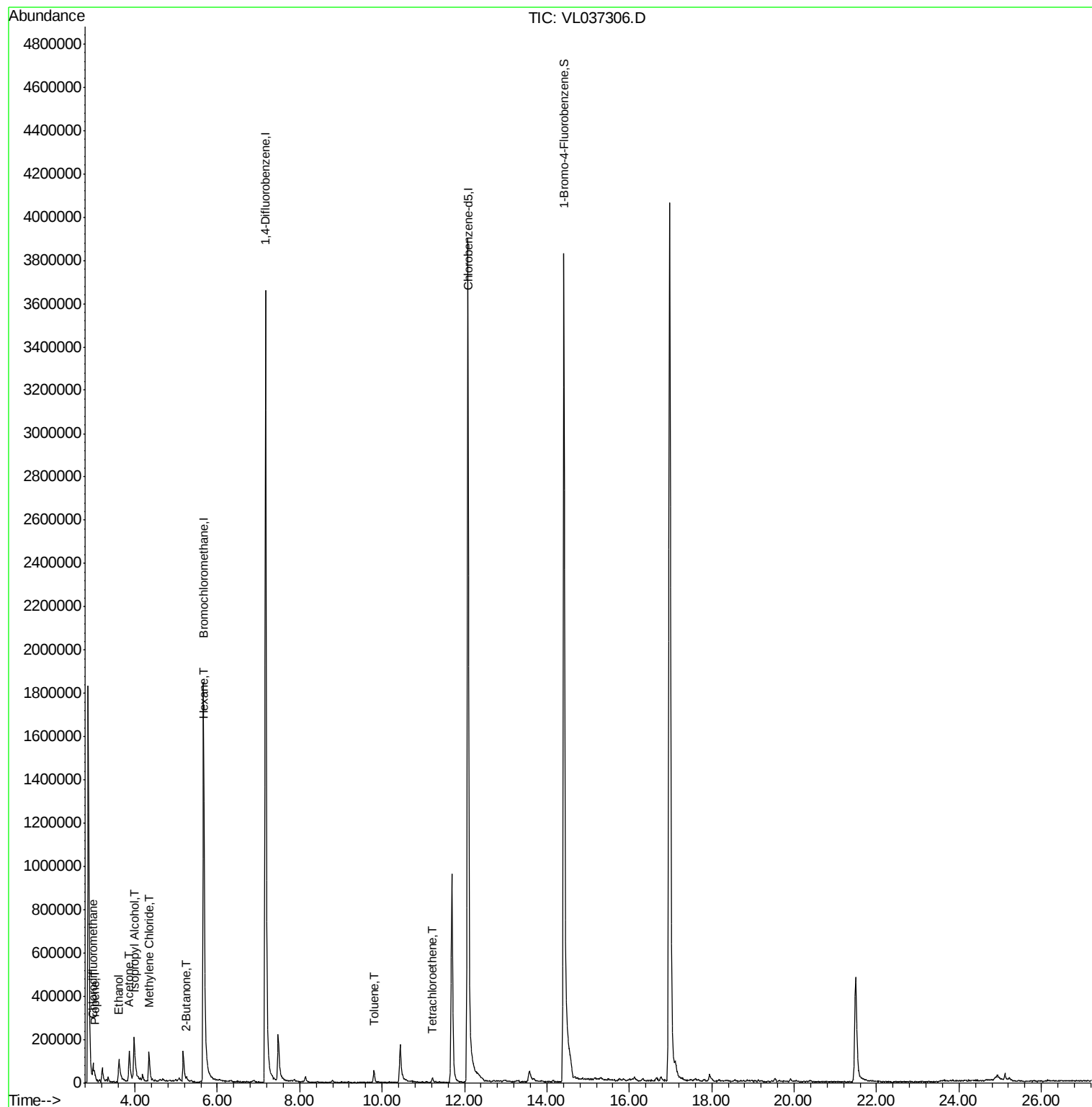
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL073021\
Data File : VL037306.D
Acq On : 31 Jul 2021 6:37
Operator : SY/AP
Sample : M3121-04DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

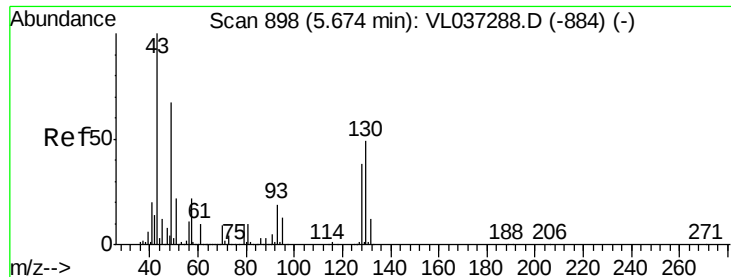
Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-4DL

Manual Integrations
APPROVED

MMDadoda
8/2/2021 8:58:50 AM

Quant Time: Jul 31 08:00:39 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 30 23:19:30 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037306.D

Acq: 31 Jul 2021 6:37

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-4DL

Tot Ion: 49 Resp: 1122385

Ion Ratio Lower Upper

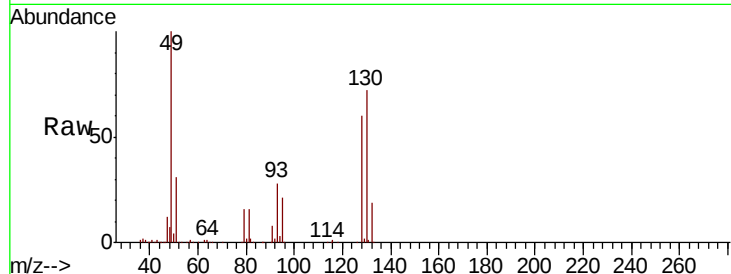
49 100

128 58.7 30.6 92.0

130 74.5 37.8 113.4

Manual Integrations
APPROVED

MMDadoda
8/2/2021 8:58:50 AM



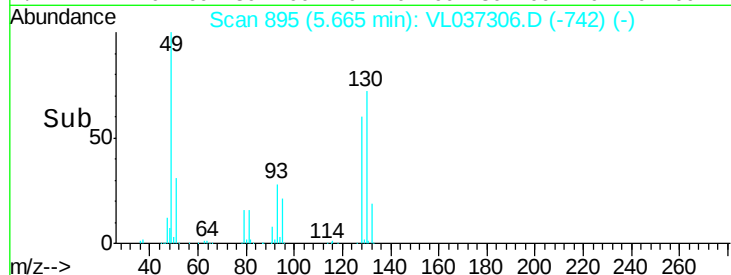
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

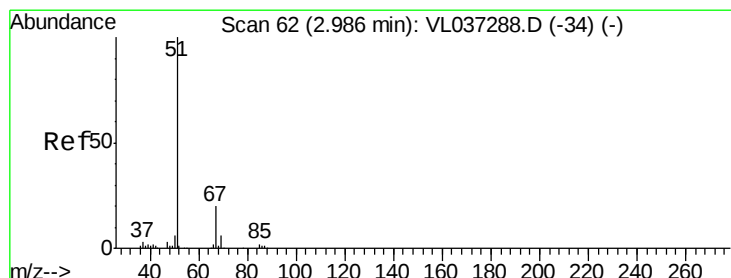
Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.473 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037306.D

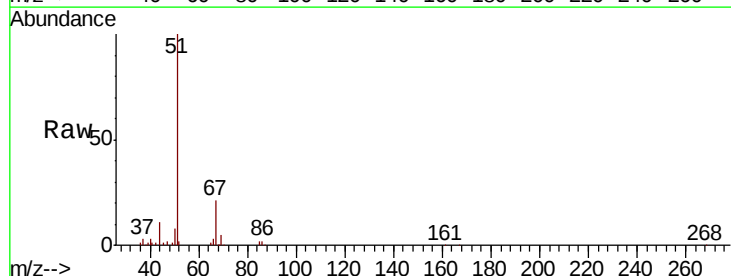
Acq: 31 Jul 2021 6:37

Tgt Ion: 51 Resp: 106276

Ion Ratio Lower Upper

51 100

67 18.7 15.2 22.8

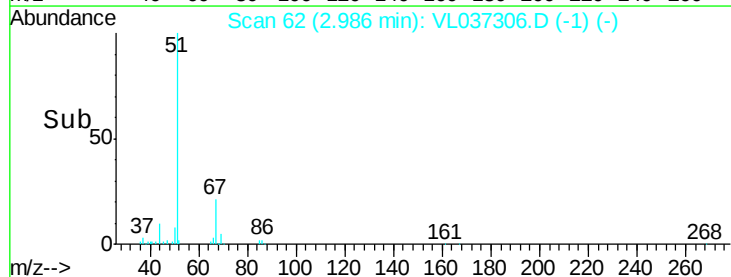


Abundance Ion 51.00 (50.70 to 51.70): VL0

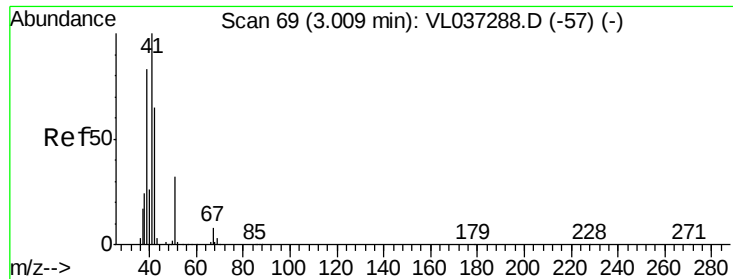
Ion 67.00 (66.70 to 67.70): VL0

2.99

Time-->



Time-->



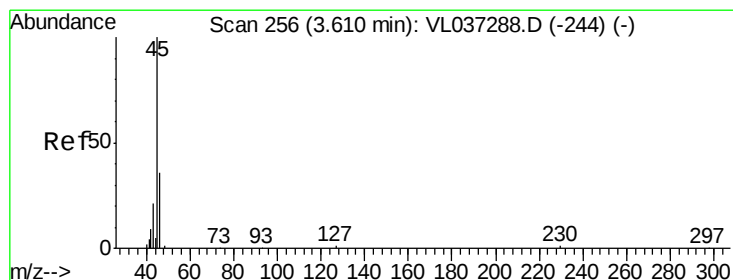
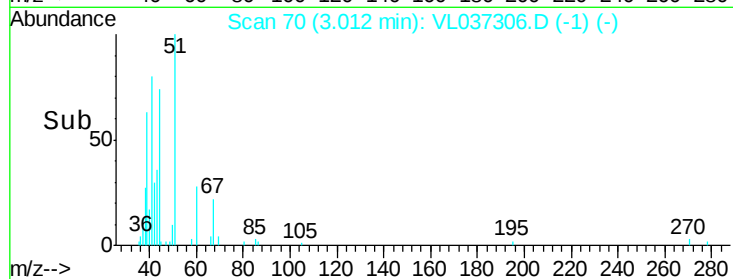
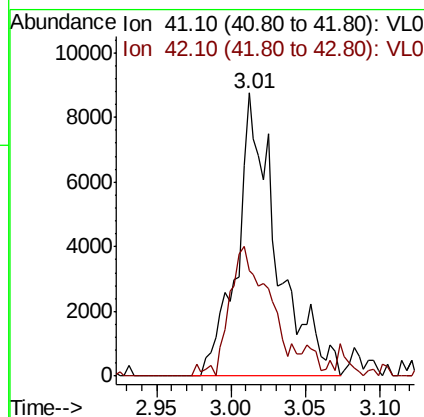
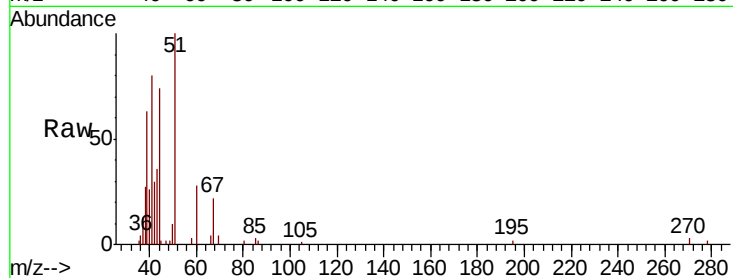
#9
 Propene
 Concen: 0.216 ppbv m
 RT: 3.01 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VL037306.D
 Acq: 31 Jul 2021 6:37

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-4DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		16363		
42	19.7	54.0	81.0#		

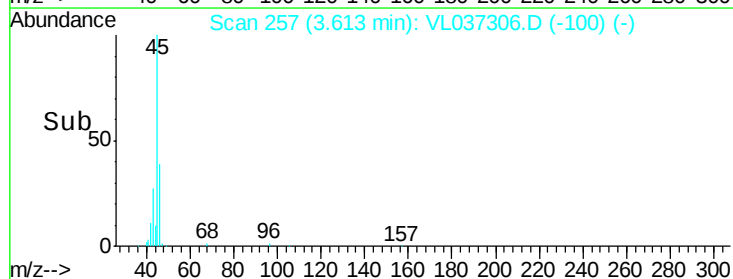
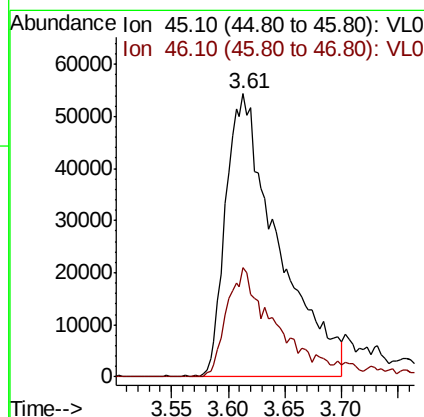
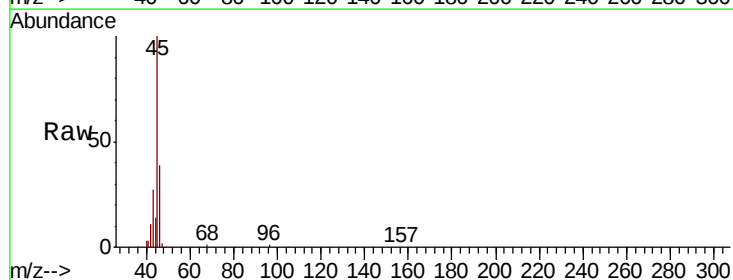
Manual Integrations
 APPROVED

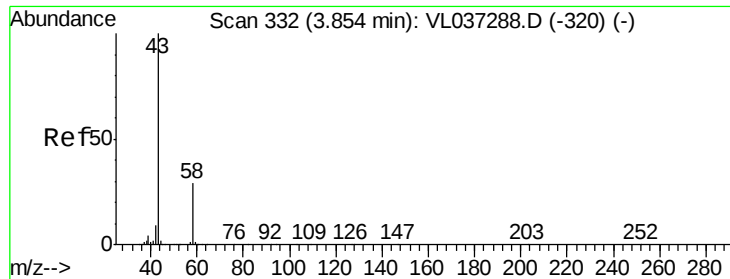
MMDadoda
 8/2/2021 8:58:50 AM



#13
 Ethanol
 Concen: 10.415 ppbv m
 RT: 3.61 min Scan# 257
 Delta R.T. 0.00 min
 Lab File: VL037306.D
 Acq: 31 Jul 2021 6:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		173194		
46	39.7	16.2	64.8		





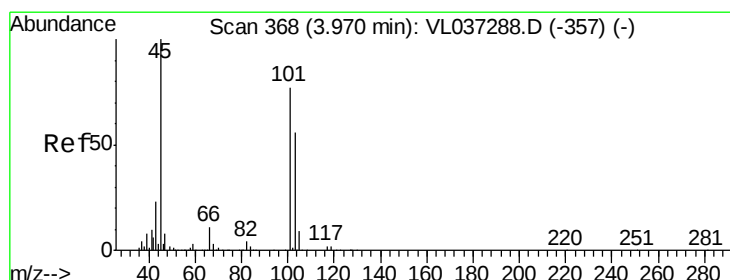
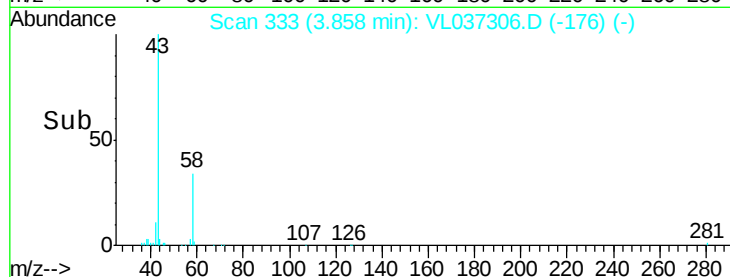
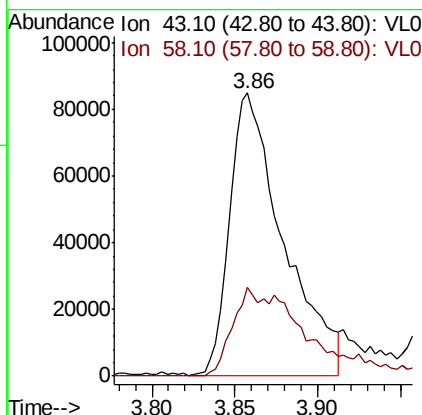
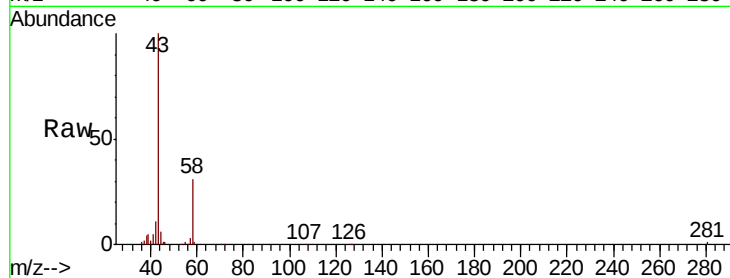
#15
Acetone
Concen: 0.939 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL037306.D
Acq: 31 Jul 2021 6:37

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-4DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.6	24.2	36.4#

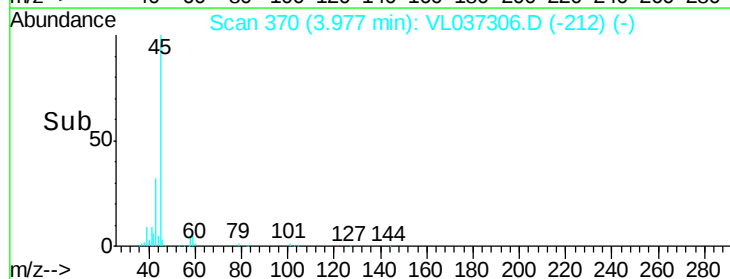
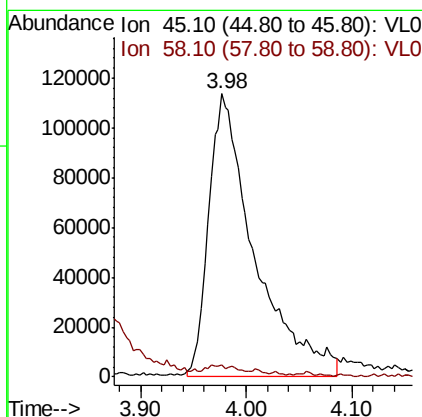
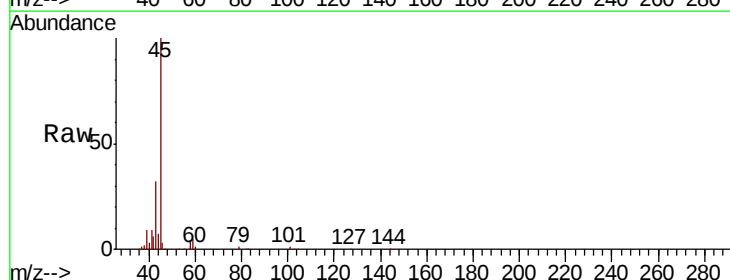
Manual Integrations
APPROVED

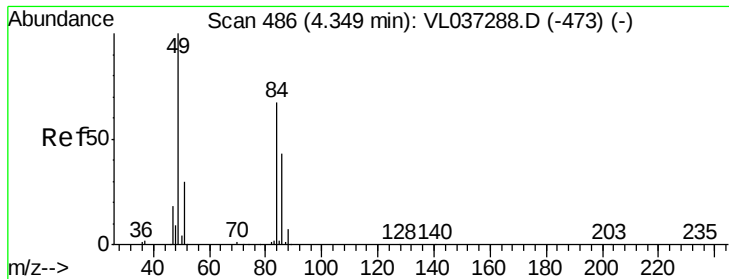
MMDadoda
8/2/2021 8:58:50 AM



#19
Isopropyl Alcohol
Concen: 4.395 ppbv m
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL037306.D
Acq: 31 Jul 2021 6:37

Tgt Ion	Ratio	Lower	Upper
45	100		
58	5.5	2.2	3.2#





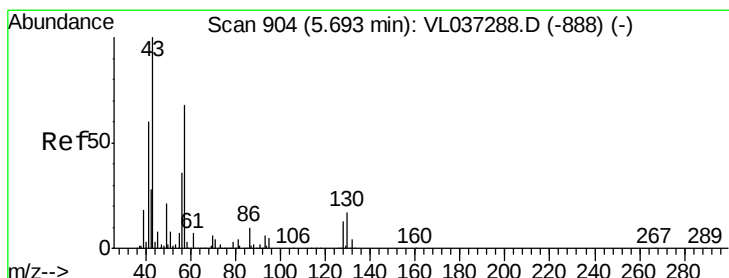
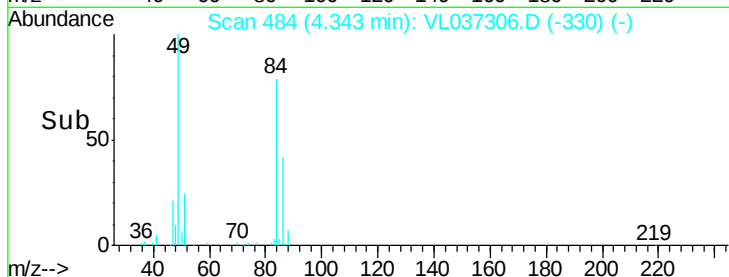
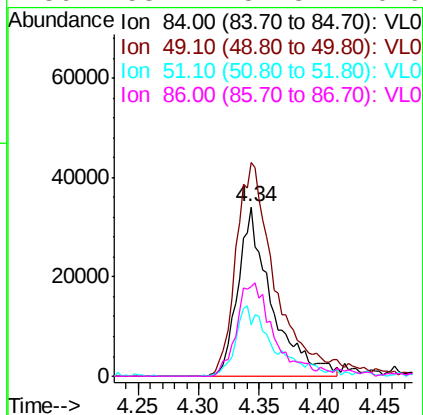
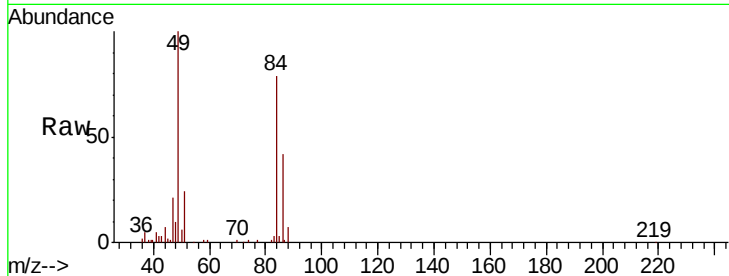
#20
Methvlene Chloride
Concen: 0.846 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL037306.D
Acq: 31 Jul 2021 6:37

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-4DL

Tot Ion	84	Resp	66154
Ion	Ratio	Lower	Upper
84	100		
49	126.3	120.2	180.4
51	30.4	36.5	54.7#
86	53.1	51.3	76.9

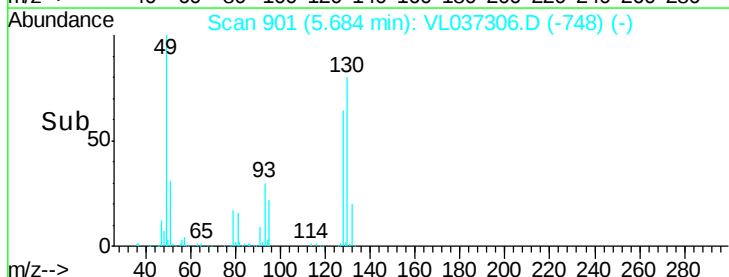
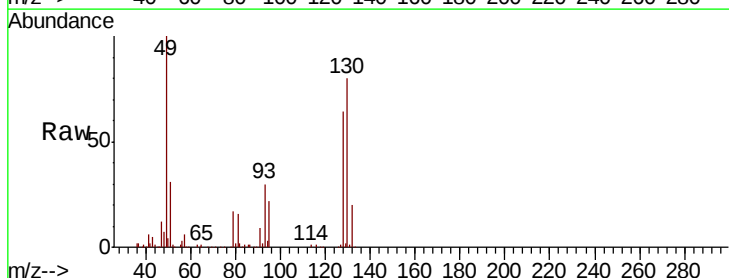
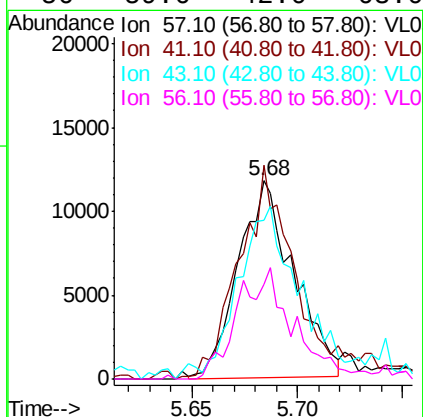
Manual Integrations
APPROVED

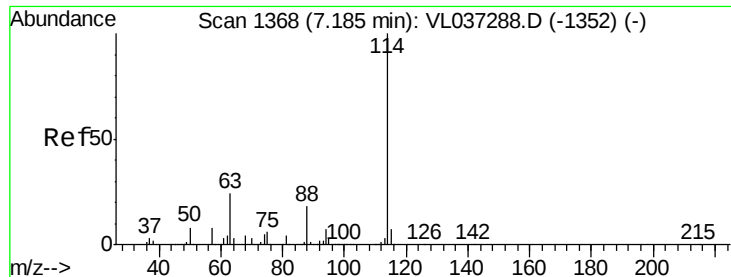
MMDadoda
8/2/2021 8:58:50 AM



#26
Hexane
Concen: 0.136 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037306.D
Acq: 31 Jul 2021 6:37

Tgt Ion	57	Resp	21368
Ion	Ratio	Lower	Upper
57	100		
41	120.2	71.0	106.6#
43	98.5	155.0	232.4#
56	59.6	42.0	63.0





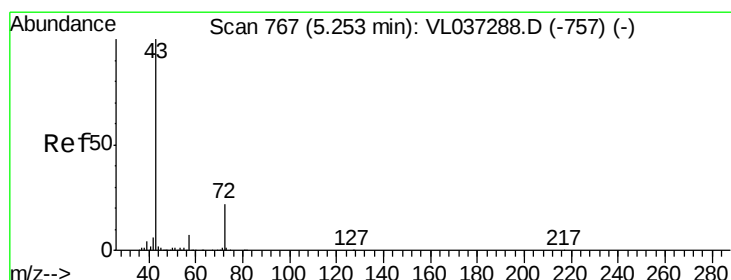
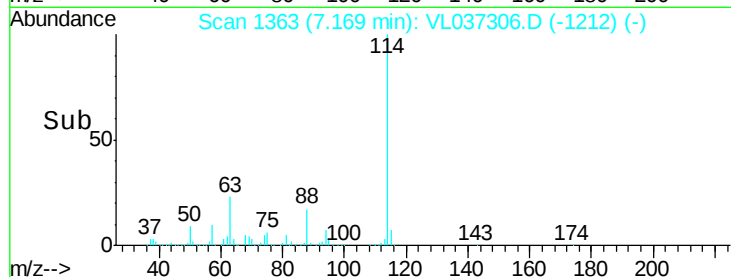
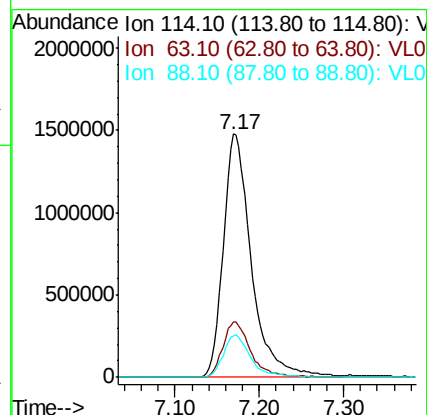
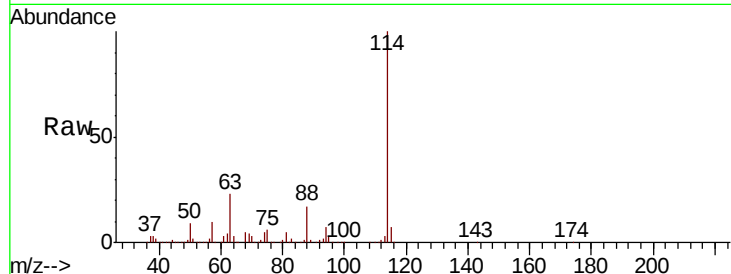
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL037306.D
 Acq: 31 Jul 2021 6:37

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-4DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	19.0	28.4
88	17.4	14.0	21.0

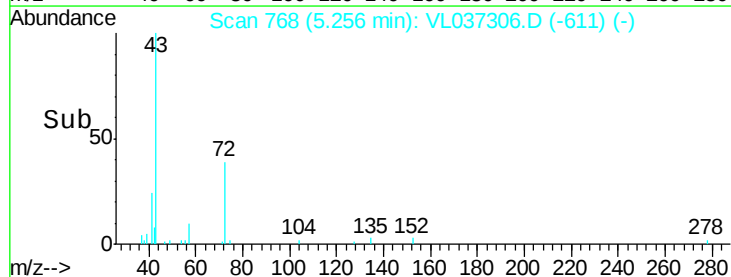
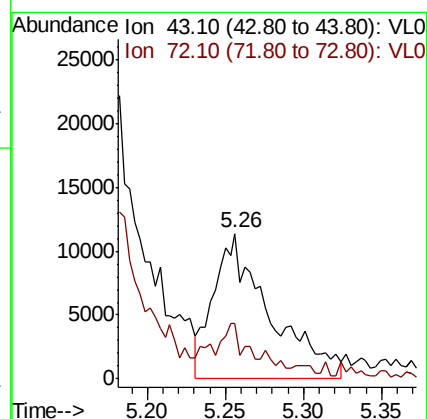
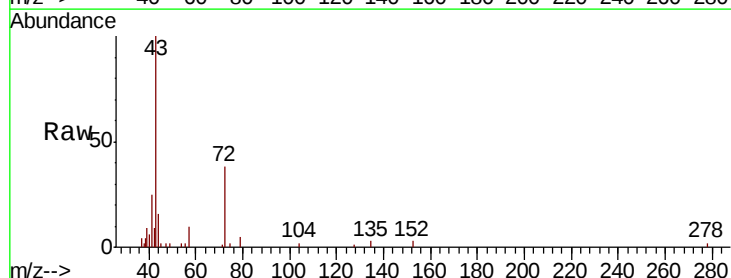
Manual Integrations
 APPROVED

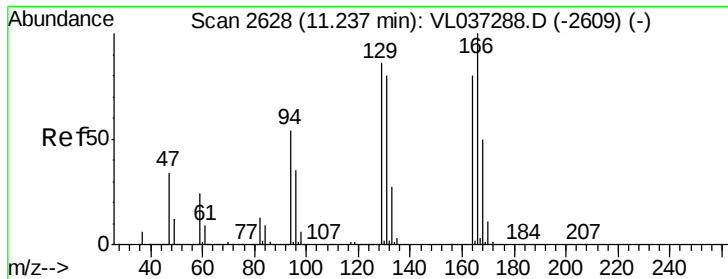
MMDadoda
 8/2/2021 8:58:50 AM



#34
 2-Butanone
 Concen: 0.195 ppbv m
 RT: 5.26 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VL037306.D
 Acq: 31 Jul 2021 6:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	18.5	27.7





#52

Tetrachloroethene

Concen: 0.039 ppbv m

RT: 11.22 min Scan# 2622

Delta R.T. -0.02 min

Lab File: VL037306.D

Acq: 31 Jul 2021 6:37

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-4DL

Tot Ion:164 Resp: 4987

Ion Ratio Lower Upper

164 100

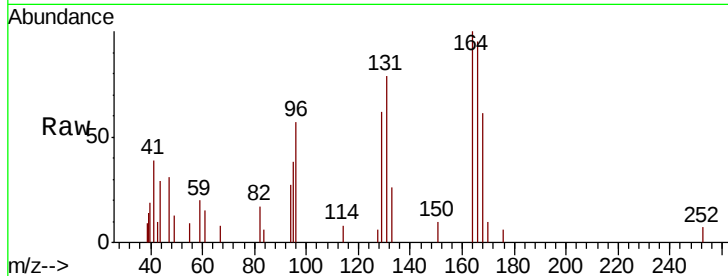
166 95.3 100.4 150.6#

129 62.2 86.2 129.4#

131 79.1 80.5 120.7#

Manual Integrations
APPROVED

MMDadoda
8/2/2021 8:58:50 AM

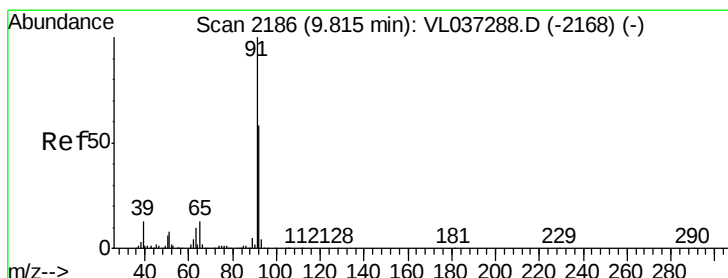
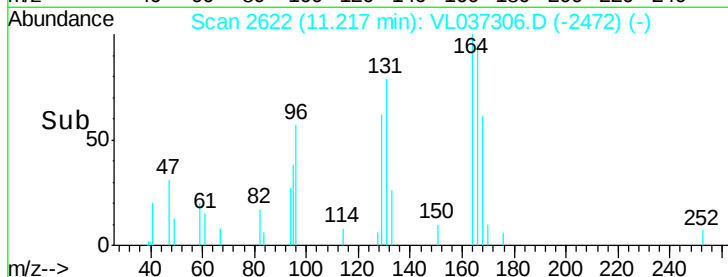
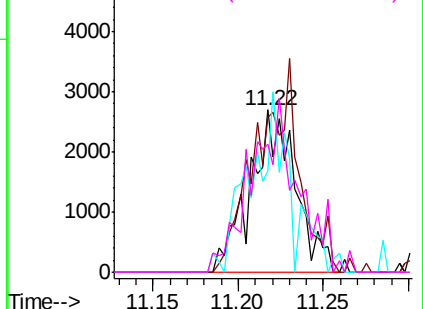


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.128 ppbv m

RT: 9.80 min Scan# 2181

Delta R.T. -0.02 min

Lab File: VL037306.D

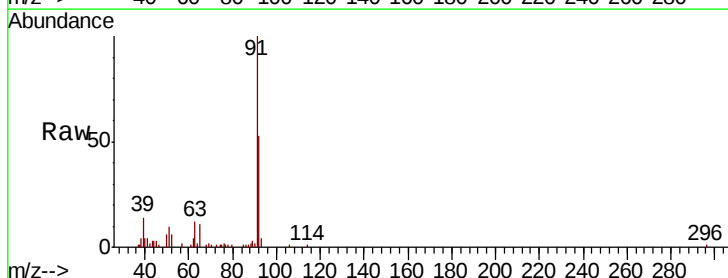
Acq: 31 Jul 2021 6:37

Tgt Ion: 91 Resp: 43470

Ion Ratio Lower Upper

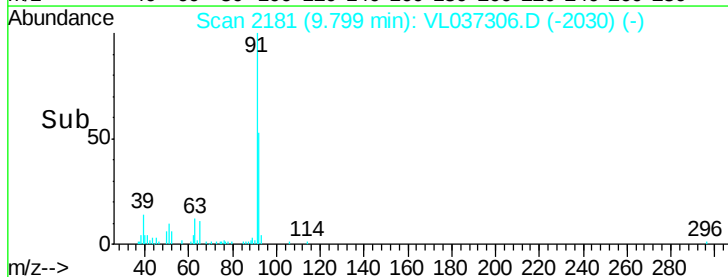
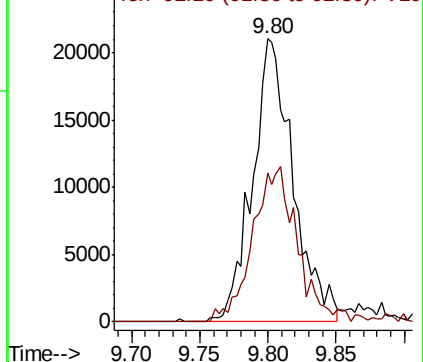
91 100

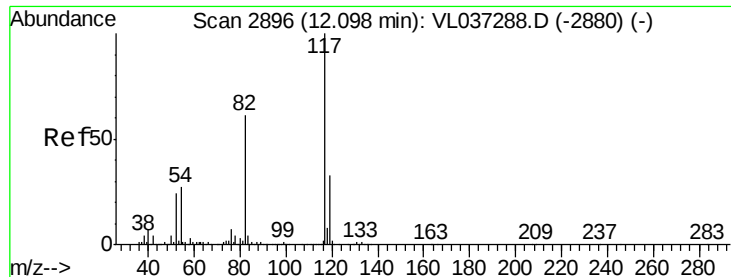
92 0.0 48.2 72.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





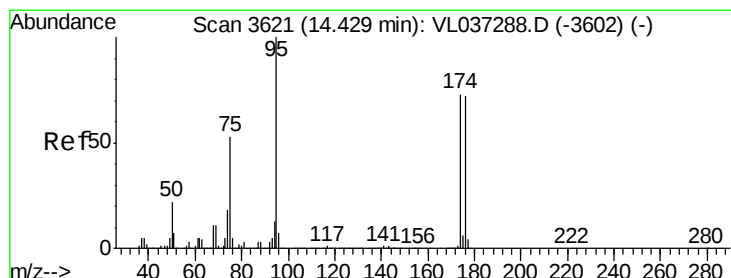
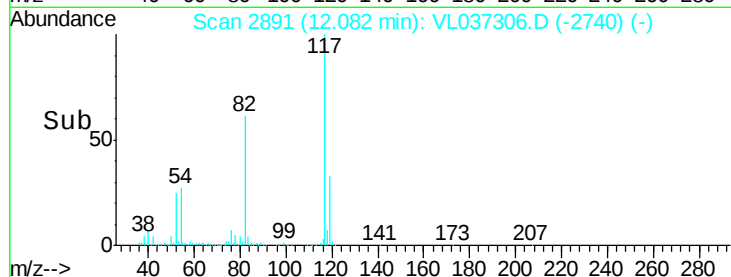
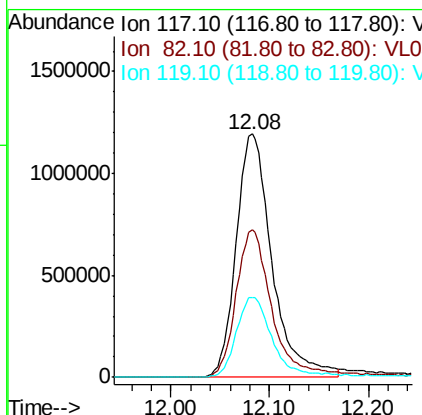
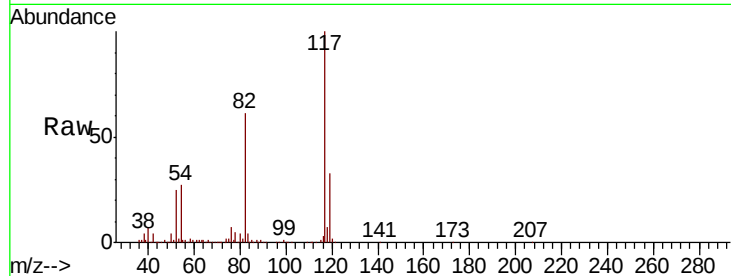
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.02 min
Lab File: VL037306.D
Acq: 31 Jul 2021 6:37

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	47.2	70.8
119	34.5	45.8	68.8#

Manual Integrations
APPROVED

MMDadoda
8/2/2021 8:58:50 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.409 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.02 min
Lab File: VL037306.D
Acq: 31 Jul 2021 6:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.0	59.8	89.6
175	5.5	4.5	6.7

