

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037028.D
 Acq On : 20 May 2021 17:53
 Operator : SY/AP
 Sample : M2424-13 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:23:58 PM

Quant Time: May 21 03:04:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1266370	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3667486	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	3217493	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2347837	9.71	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	9915m	0.126	ppbv	
9) Propene	2.99	41	21996	0.265	ppbv	88
10) Heptane	8.08	43	21749	0.105	ppbv #	74
13) Ethanol	3.60	45	92451m	8.341	ppbv	
15) Acetone	3.82	43	2647471	20.411	ppbv	98
17) tert-Butyl alcohol	4.29	59	25324m	0.213	ppbv	
19) Isopropyl Alcohol	3.96	45	44675m	0.641	ppbv	
20) Methylene Chloride	4.31	84	575775	8.281	ppbv	97
26) Hexane	5.65	57	447772	2.812	ppbv #	48
34) 2-Butanone	5.22	43	125707	0.941	ppbv #	84
53) Toluene	9.77	91	121936	0.324	ppbv	97

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

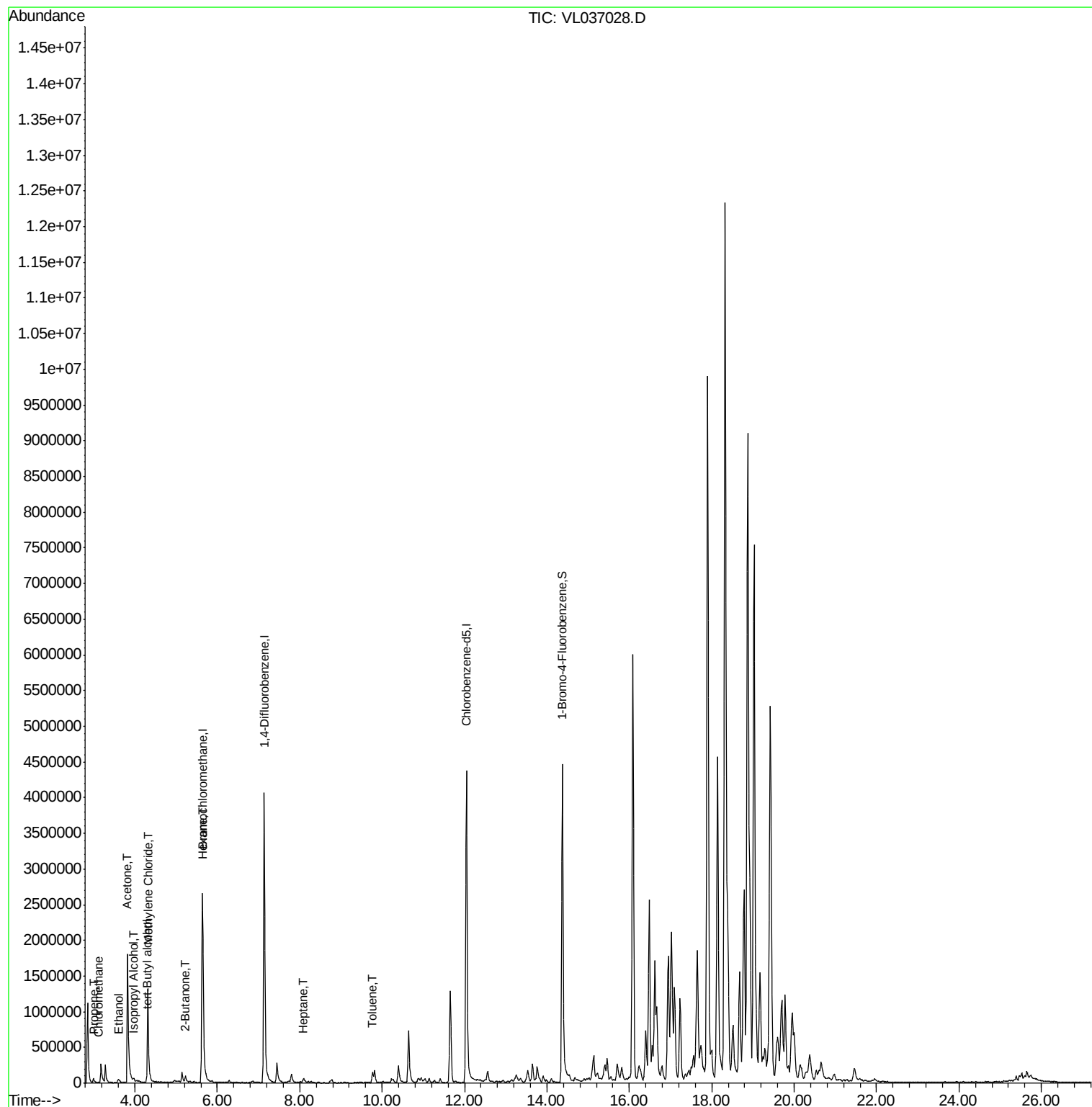
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052021\
Data File : VL037028.D
Acq On : 20 May 2021 17:53
Operator : SY/AP
Sample : M2424-13 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

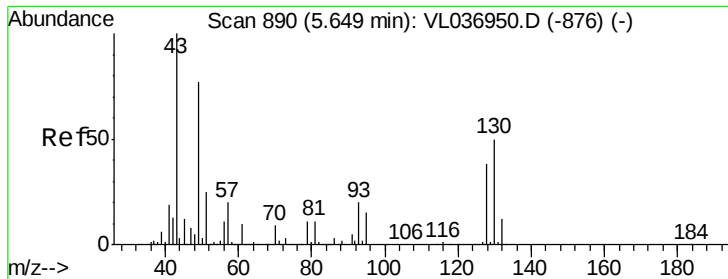
Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:23:58 PM

Quant Time: May 21 03:04:56 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

Lab File: VL037028.D

Acq: 20 May 2021 17:53

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

Tot Ion: 49 Resp: 1266370

Ion Ratio Lower Upper

49 100

128 55.0 26.9 80.7

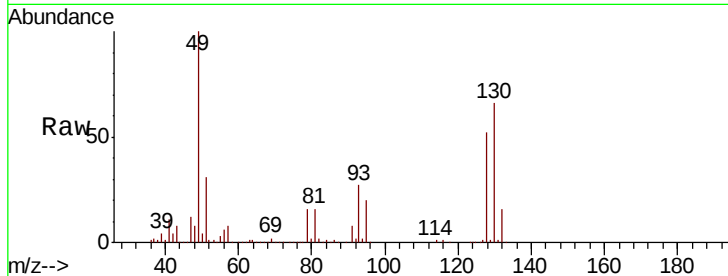
130 70.2 33.8 101.4

Manual Integrations

APPROVED

MMDadoda

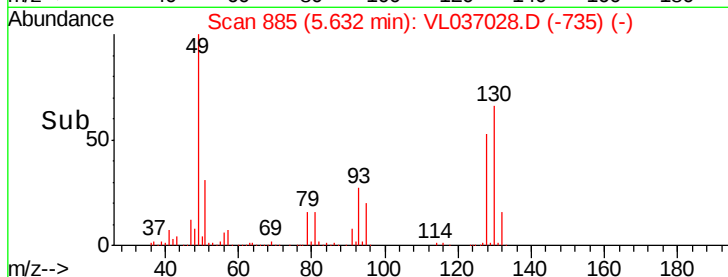
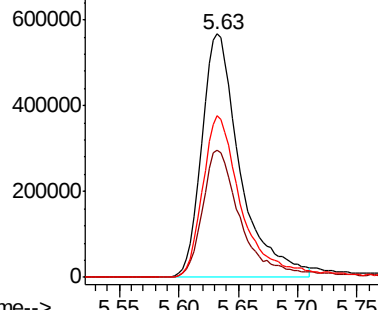
5/24/2021 3:23:58 PM



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



#4

Chloromethane

Concen: 0.126 ppbv m

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037028.D

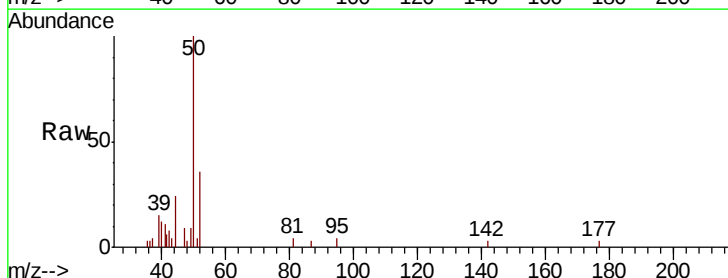
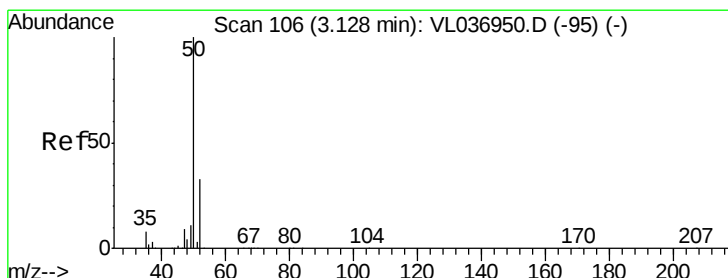
Acq: 20 May 2021 17:53

Tgt Ion: 50 Resp: 9915

Ion Ratio Lower Upper

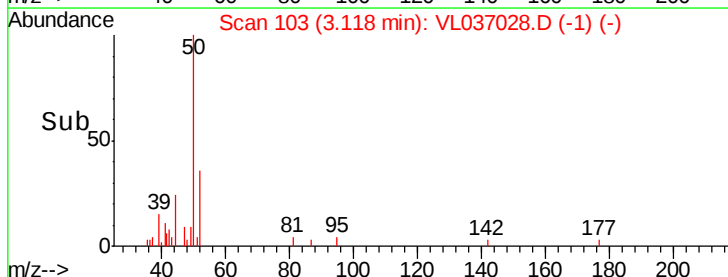
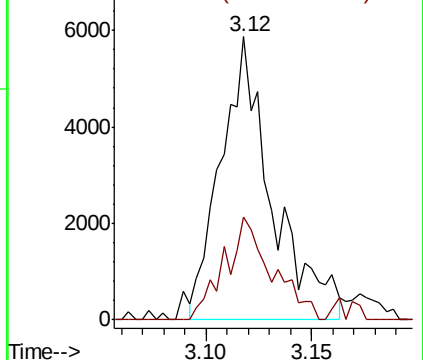
50 100

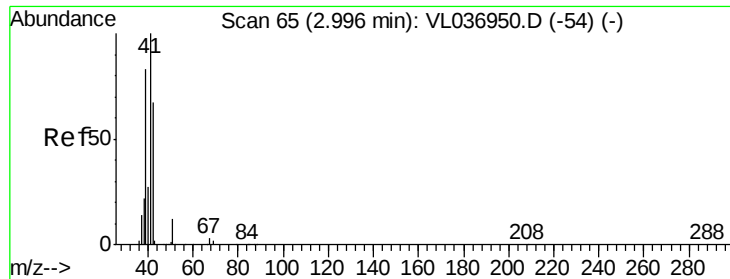
52 36.2 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.265 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037028.D

Acq: 20 May 2021 17:53

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

Tot Ion: 41 Resp: 21996

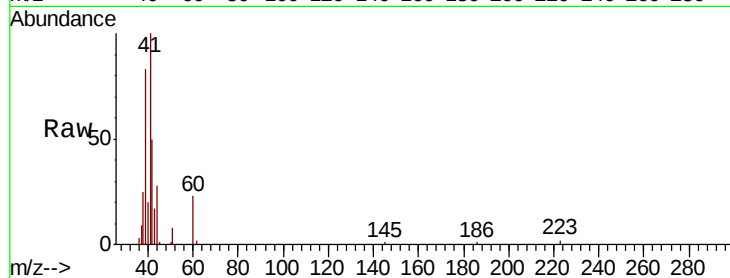
Ion Ratio Lower Upper

41 100

42 76.9 53.9 80.9

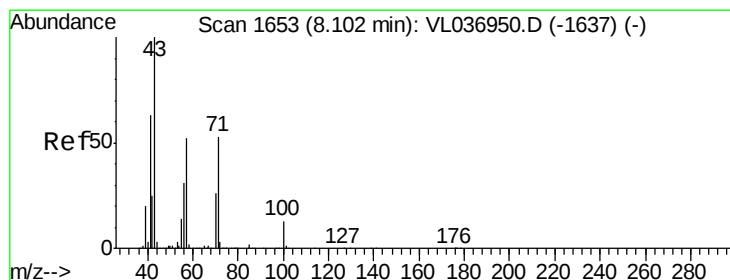
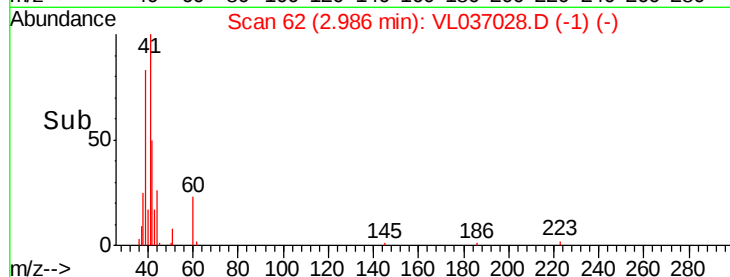
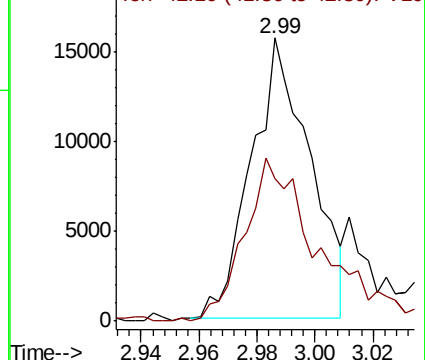
Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:23:58 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.105 ppbv

RT: 8.08 min Scan# 1647

Delta R.T. -0.02 min

Lab File: VL037028.D

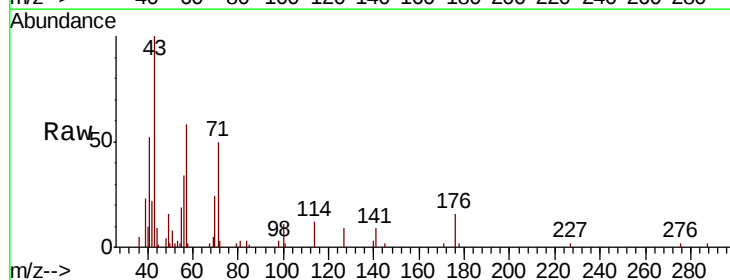
Acq: 20 May 2021 17:53

Tgt Ion: 43 Resp: 21749

Ion Ratio Lower Upper

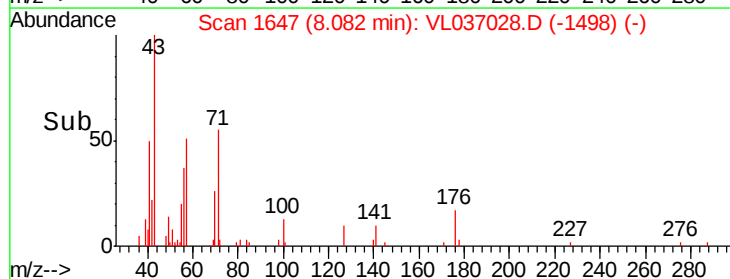
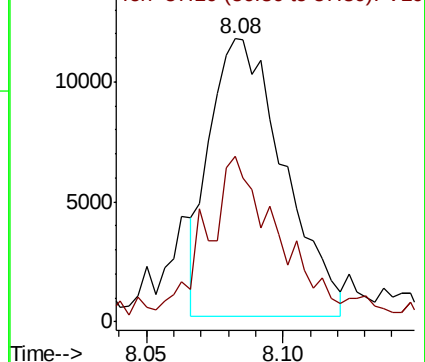
43 100

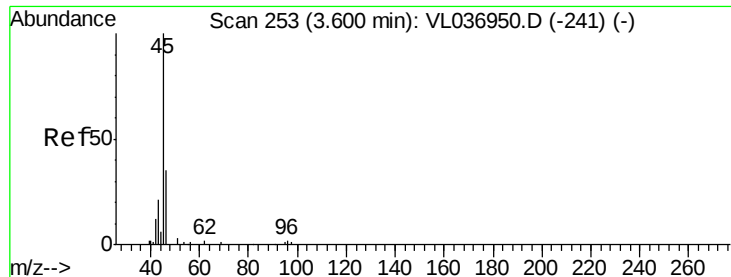
57 69.6 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





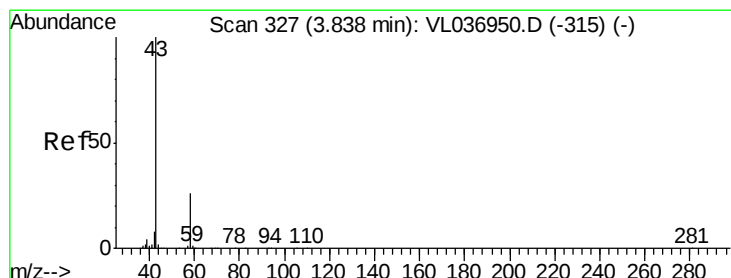
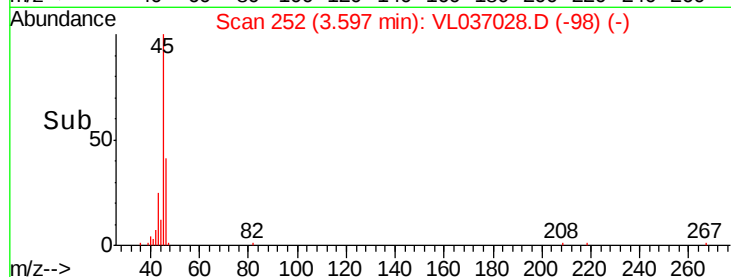
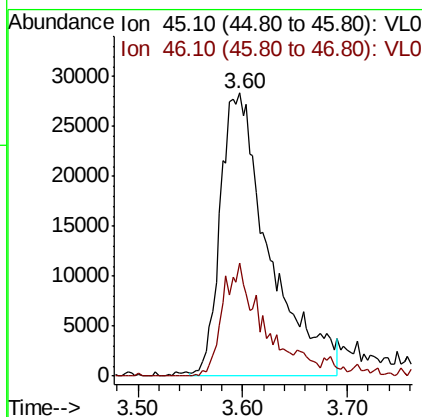
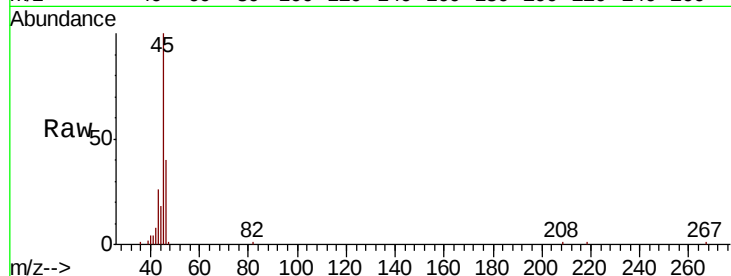
#13
Ethanol
Concen: 8.341 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037028.D
Acq: 20 May 2021 17:53

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

Tot Ion	45	Resp	92451
Ion Ratio	100	Lower	Upper
45	100		
46	0.0	16.3	65.3#

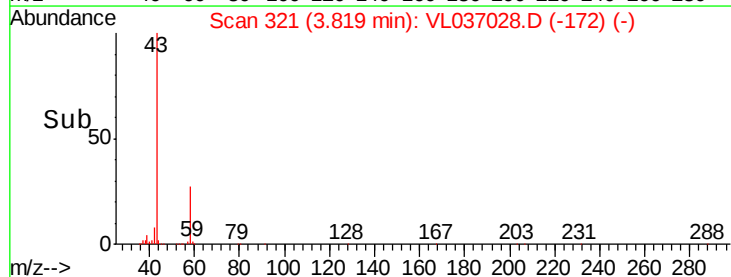
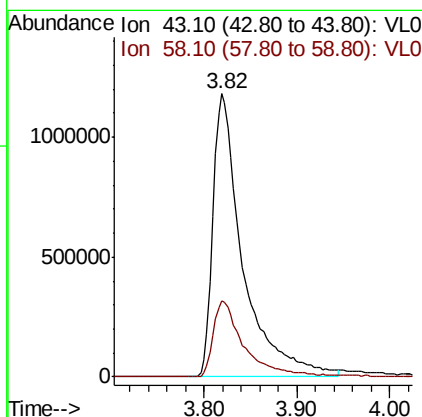
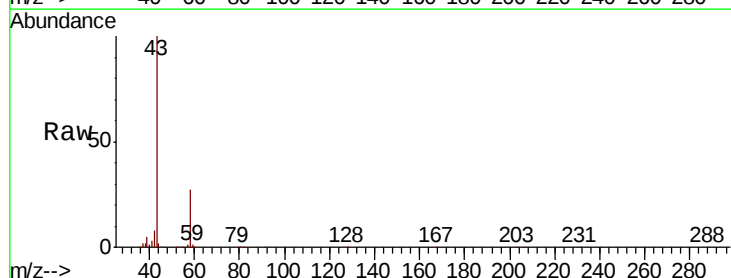
Manual Integrations
APPROVED

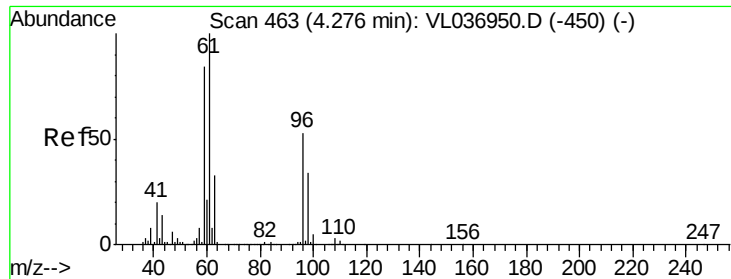
MMDadoda
5/24/2021 3:23:58 PM



#15
Acetone
Concen: 20.411 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.02 min
Lab File: VL037028.D
Acq: 20 May 2021 17:53

Tgt Ion	43	Resp	2647471
Ion Ratio	100	Lower	Upper
43	100		
58	28.8	24.0	36.0





#17

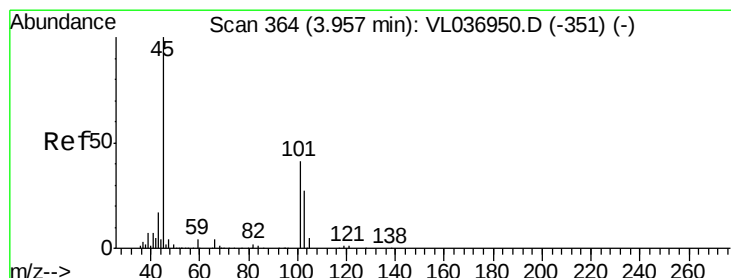
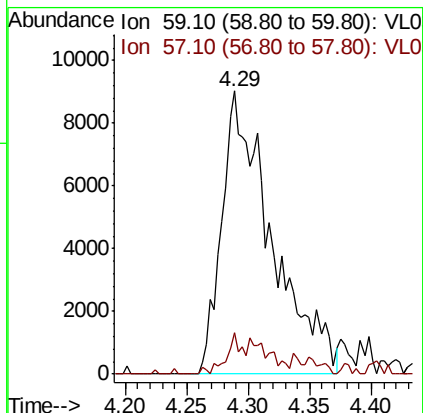
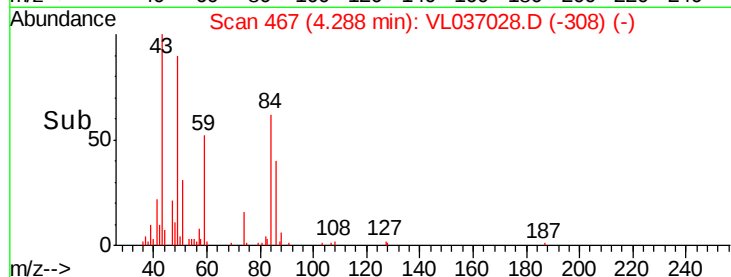
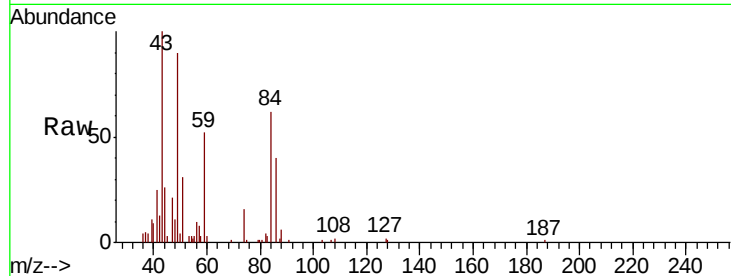
tert-Butyl alcohol
Concen: 0.213 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL037028.D
Acq: 20 May 2021 17:53

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

Tot Ion: 59 Resp: 25324
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5

Manual Integrations
APPROVED

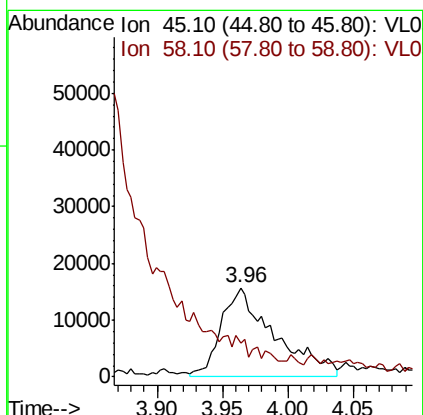
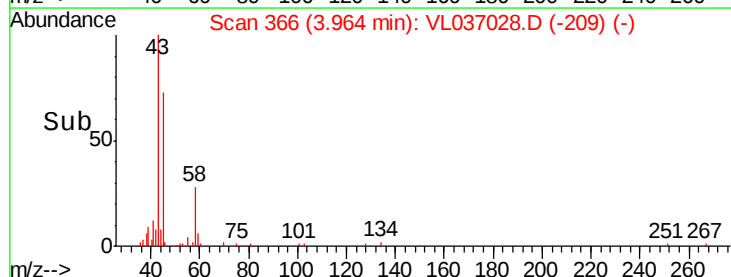
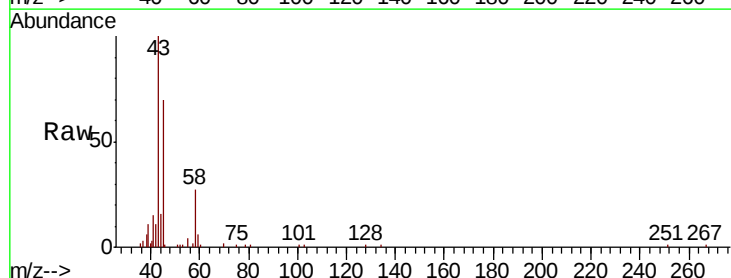
MMDadoda
5/24/2021 3:23:58 PM

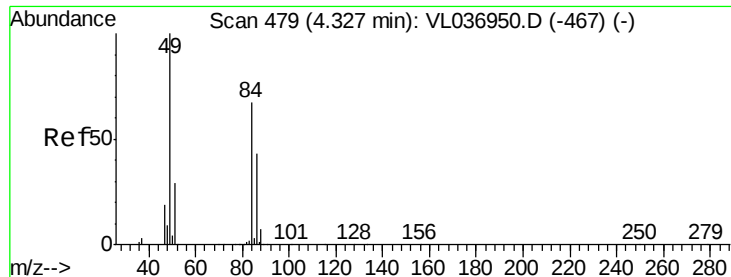


#19

Isopropyl Alcohol
Concen: 0.641 ppbv m
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL037028.D
Acq: 20 May 2021 17:53

Tgt Ion: 45 Resp: 44675
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#





#20

Methvlene Chloride

Concen: 8.281 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL037028.D

Acq: 20 May 2021 17:53

Instrument :

MSVOA_L

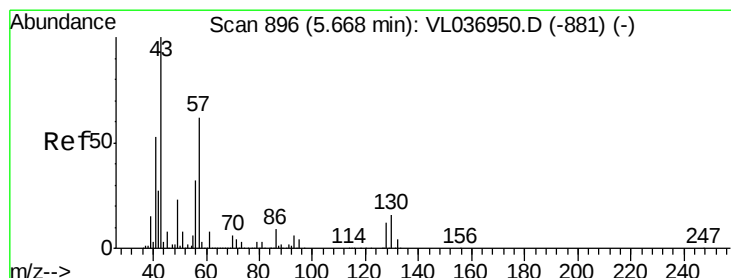
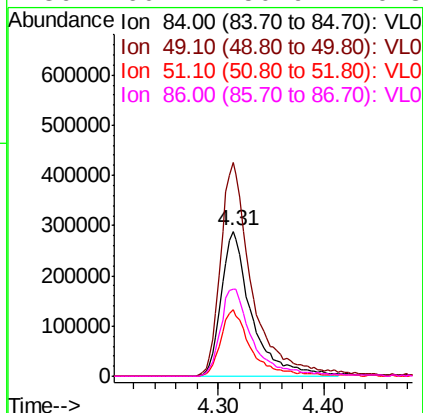
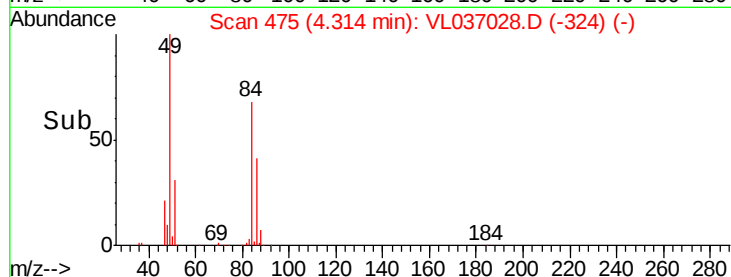
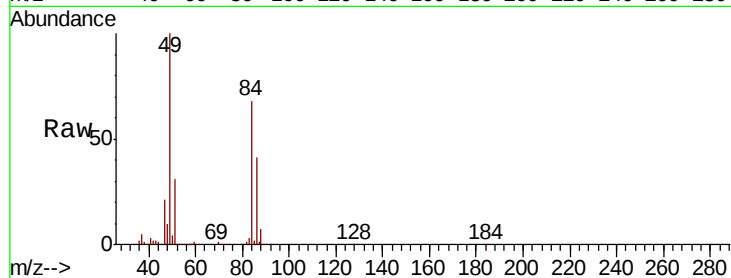
ClientSampleId :

DUP-03-05132021

Tot Ion:	84	Resp:	575775
Ion	Ratio	Lower	Upper
84	100		
49	147.6	119.8	179.6
51	46.1	35.1	52.7
86	60.4	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:23:58 PM



#26

Hexane

Concen: 2.812 ppbv

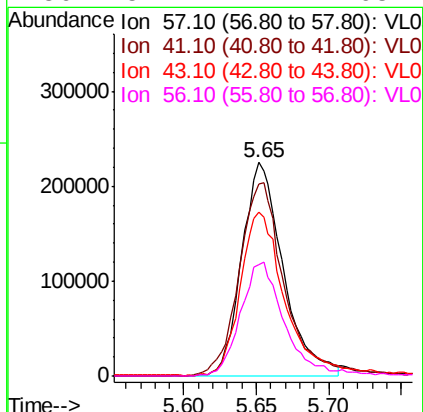
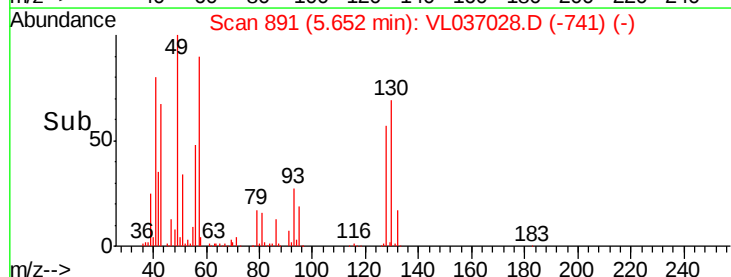
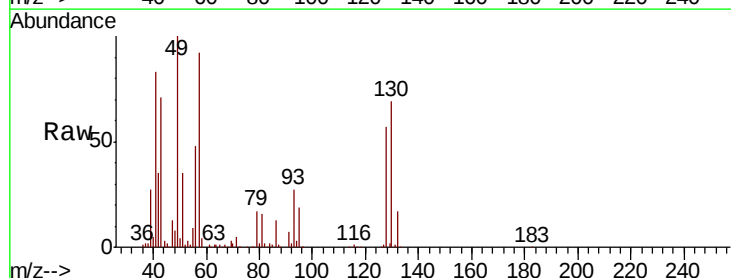
RT: 5.65 min Scan# 891

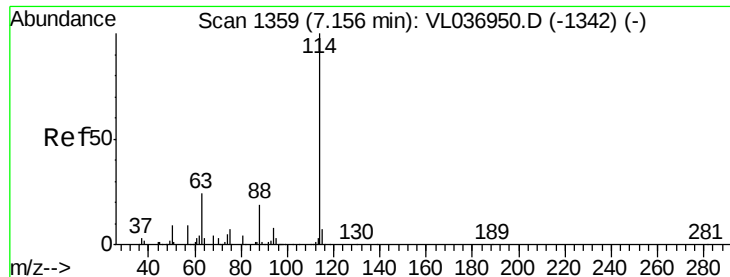
Delta R.T. -0.02 min

Lab File: VL037028.D

Acq: 20 May 2021 17:53

Tgt Ion:	57	Resp:	447772
Ion	Ratio	Lower	Upper
57	100		
41	101.4	70.5	105.7
43	83.6	165.8	248.8#
56	57.4	42.2	63.4





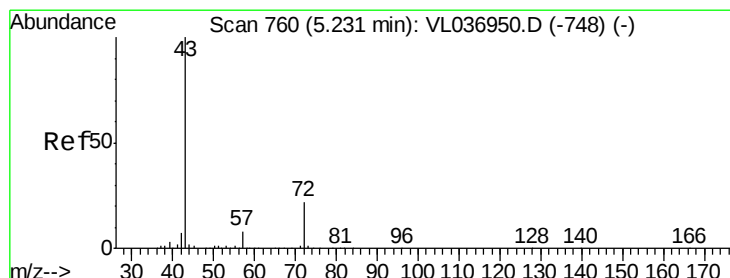
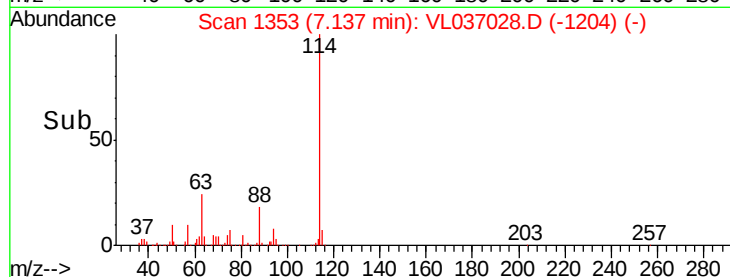
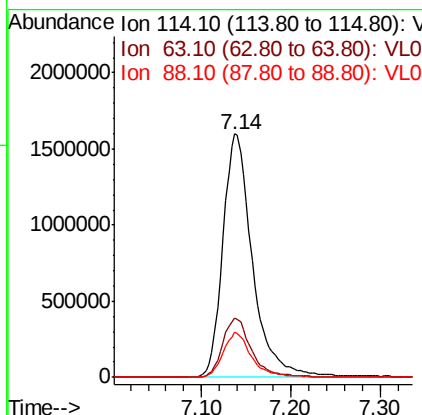
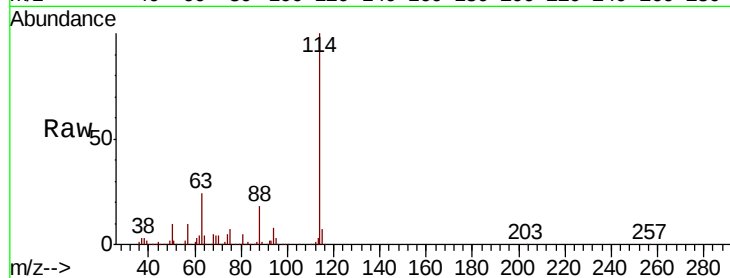
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VL037028.D
 Acq: 20 May 2021 17:53

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.9	14.6	21.8

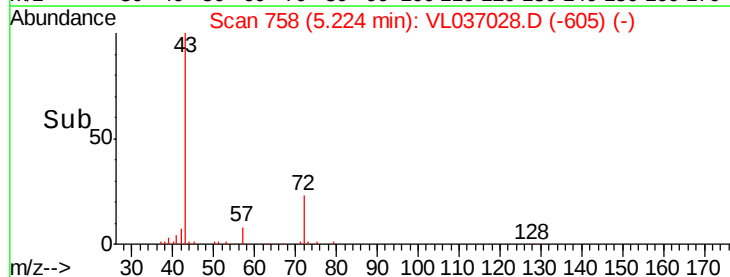
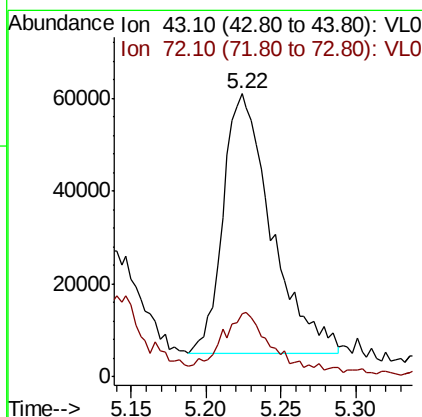
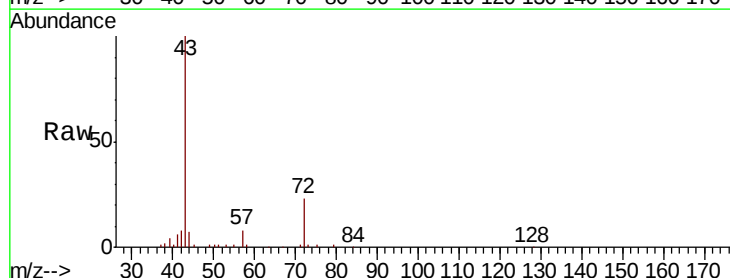
Manual Integrations
 APPROVED

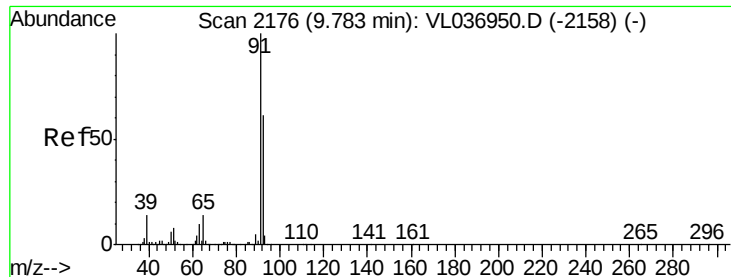
MMDadoda
 5/24/2021 3:23:58 PM



#34
 2-Butanone
 Concen: 0.941 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037028.D
 Acq: 20 May 2021 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.3	19.0	28.4





#53

Toluene

Concen: 0.324 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037028.D

Acq: 20 May 2021 17:53

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

Tot Ion: 91 Resp: 121936

Ion Ratio Lower Upper

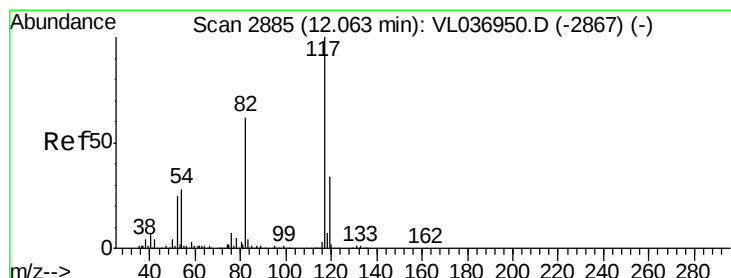
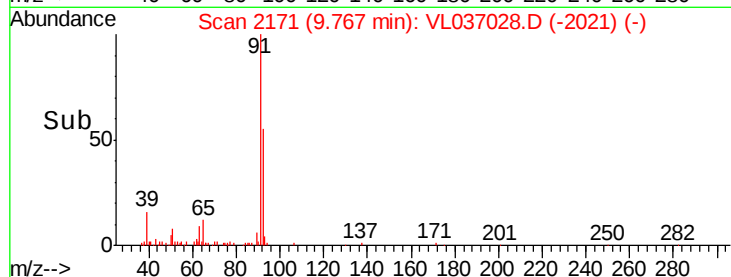
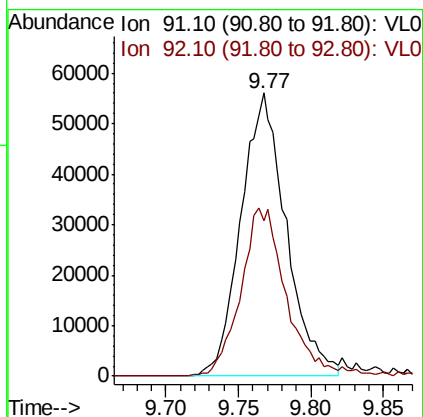
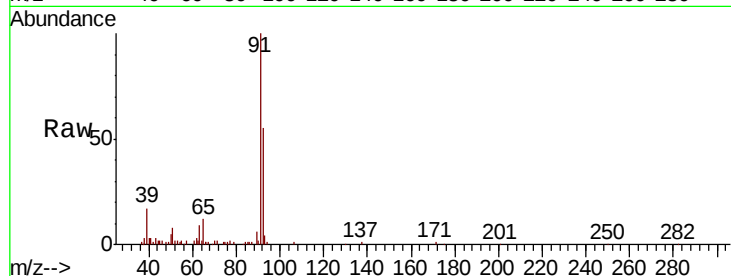
91 100

92 59.9 49.5 74.3

Manual Integrations
APPROVED

MMDadoda

5/24/2021 3:23:58 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

Delta R.T. -0.02 min

Lab File: VL037028.D

Acq: 20 May 2021 17:53

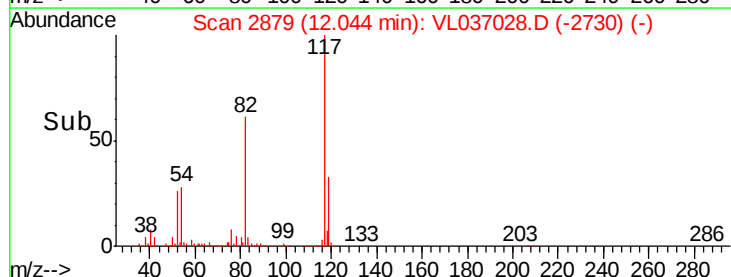
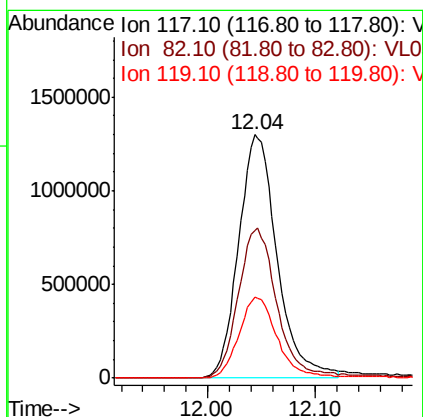
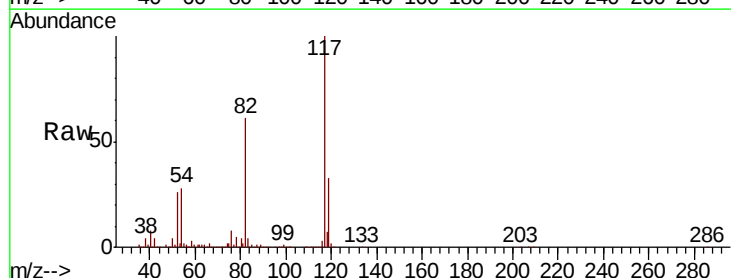
Tgt Ion: 117 Resp: 3217493

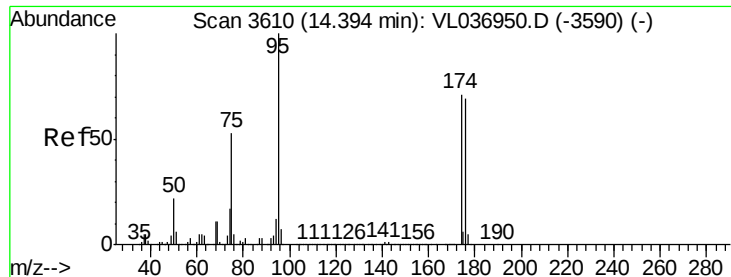
Ion Ratio Lower Upper

117 100

82 64.5 52.6 79.0

119 33.8 46.6 70.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.714 ppbv
 RT: 14.37 min Scan# 3604
 Delta R.T. -0.02 min
 Lab File: VL037028.D
 Acq: 20 May 2021 17:53

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021

Tot Ion: 95 Resp: 2347837
 Ion Ratio Lower Upper
 95 100
 174 76.4 58.4 87.6
 175 5.6 4.4 6.6

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:23:58 PM

