

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037772.D
 Acq On : 5 Oct 2021 14:00
 Operator : SY/AP
 Sample : M4012-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P22DL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 7:36:04 PM

Quant Time: Oct 06 05:46:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1372524	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3975909	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3413080	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2391636	10.02	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	27450m	0.283	ppbv	
13) Ethanol	3.59	45	4387532	552.892	ppbv	82
15) Acetone	3.84	43	1677789	13.617	ppbv	98
19) Isopropyl Alcohol	3.96	45	903232	11.783	ppbv #	94
20) Methylene Chloride	4.33	84	34796	0.559	ppbv	91
53) Toluene	9.78	91	53039m	0.141	ppbv	

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

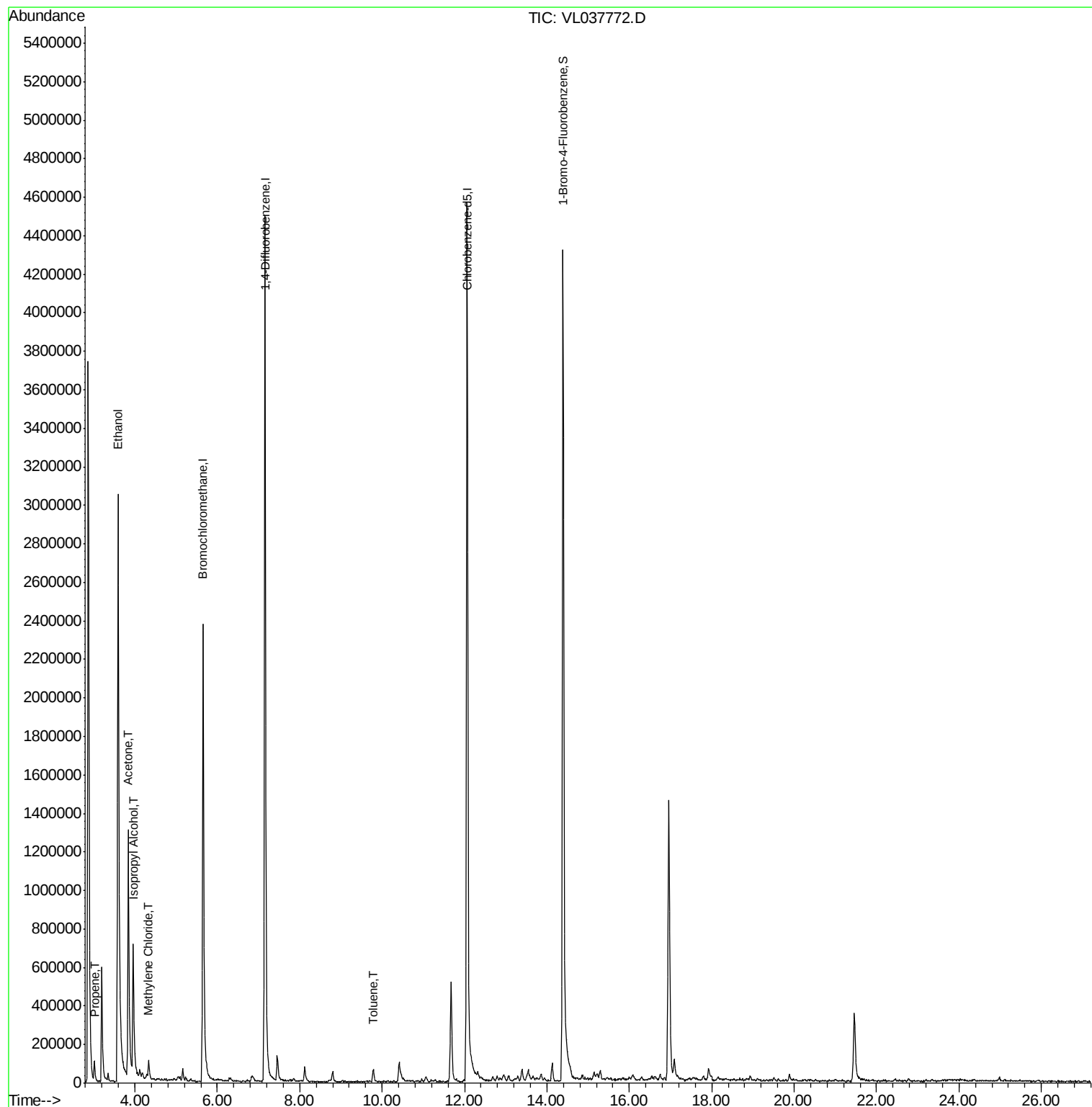
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037772.D
Acq On : 5 Oct 2021 14:00
Operator : SY/AP
Sample : M4012-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

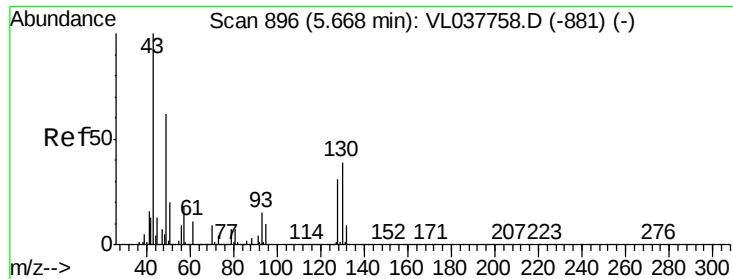
Instrument :
MSVOA_L
ClientSampleId :
C0P22DL

Manual Integrations
APPROVED

MMDadoda
10/11/2021 7:36:04 PM

Quant Time: Oct 06 05:46:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL037772.D

Acq: 5 Oct 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

C0P22DL

Tgt Ion: 49 Resp: 1372524

Ion Ratio Lower Upper

49 100

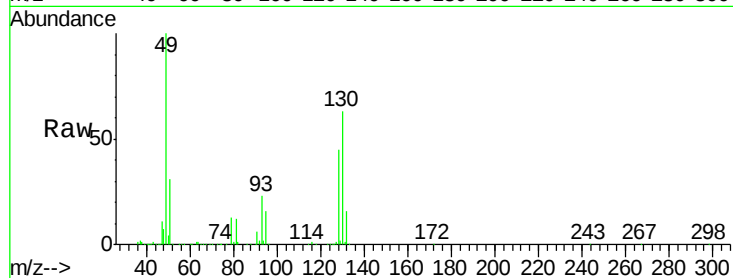
128 50.9 27.1 81.3

130 66.8 33.2 99.6

Manual Integrations
APPROVED

MMDadoda

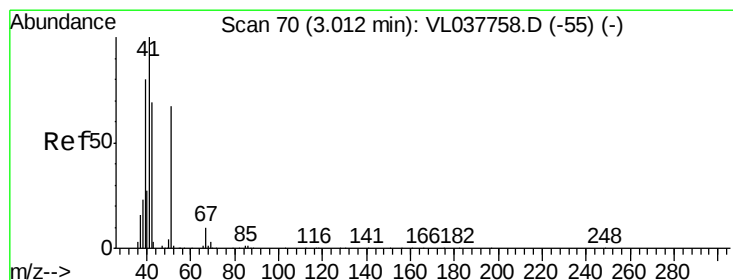
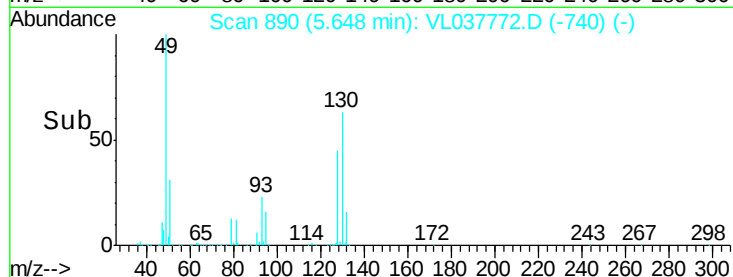
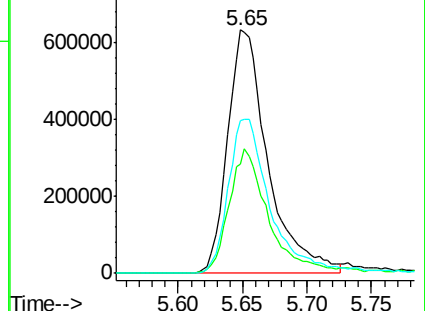
10/11/2021 7:36:04 PM



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



#9

Propene

Concen: 0.283 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037772.D

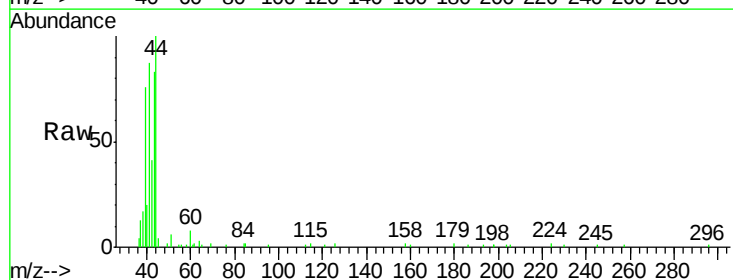
Acq: 5 Oct 2021 14:00

Tgt Ion: 41 Resp: 27450

Ion Ratio Lower Upper

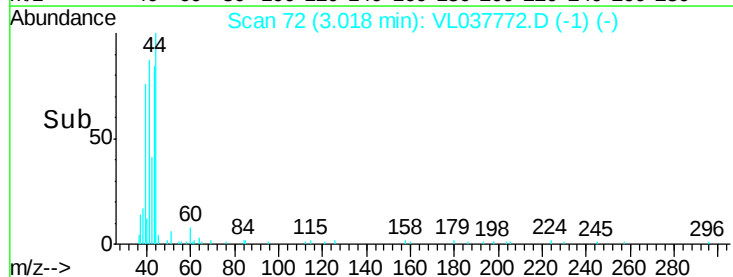
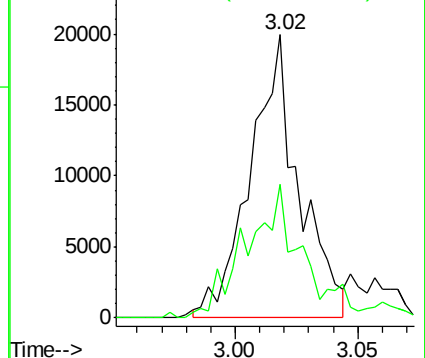
41 100

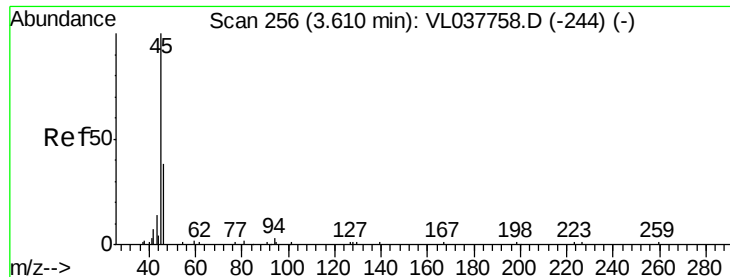
42 59.3 54.2 81.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





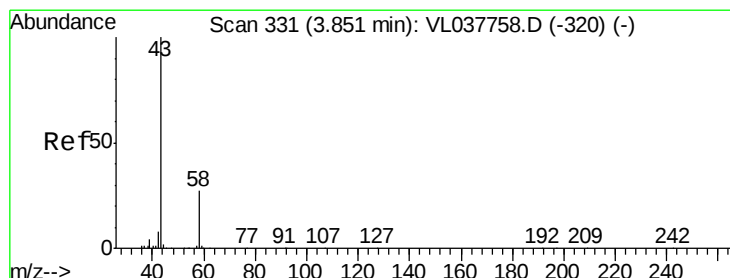
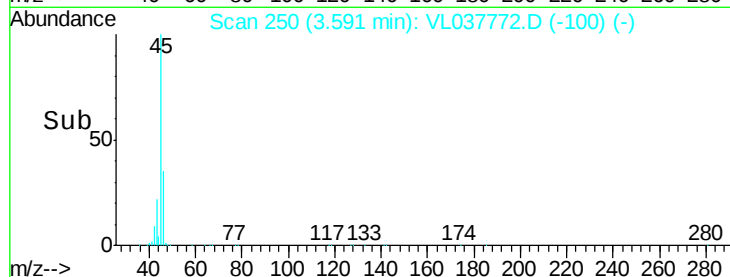
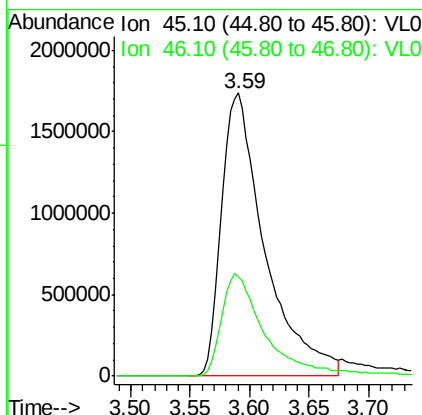
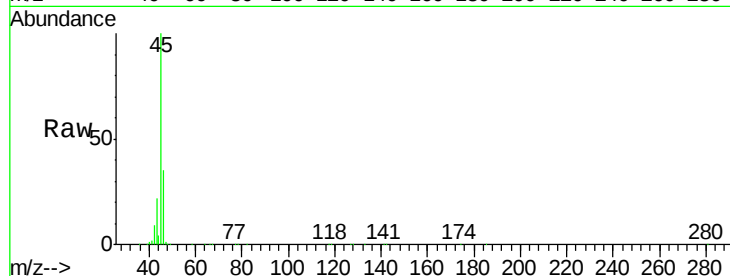
#13
Ethanol
Concen: 552.892 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL037772.D
Acq: 5 Oct 2021 14:00

Instrument :
MSVOA_L
ClientSampleId :
C0P22DL

Tgt Ion: 45 Resp: 4387532
Ion Ratio Lower Upper
45 100
46 37.9 20.2 81.0

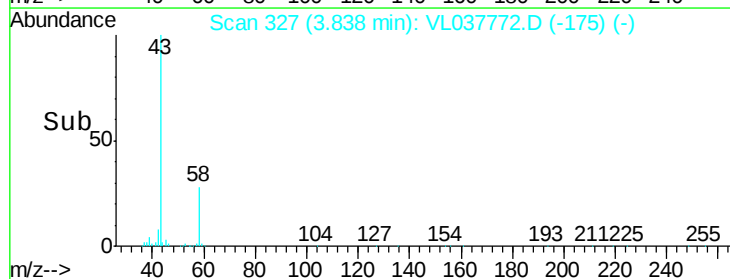
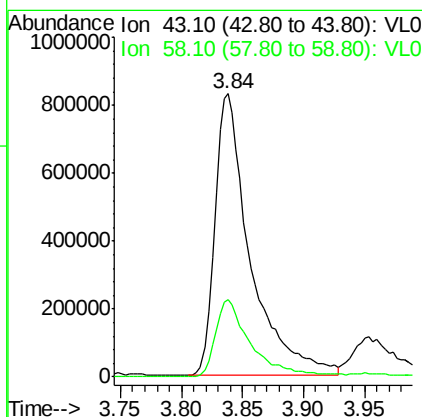
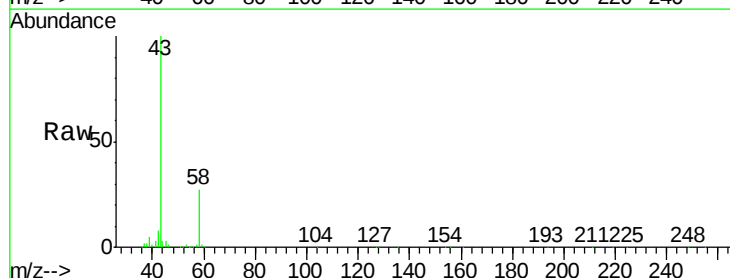
Manual Integrations
APPROVED

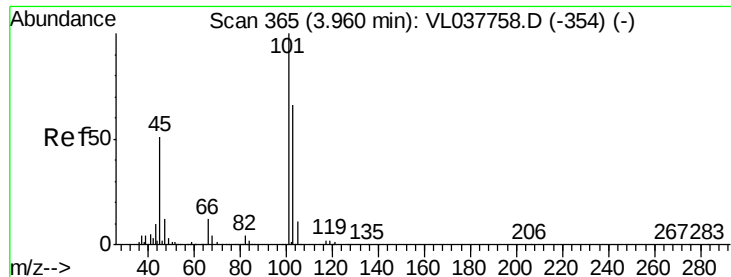
MMDadoda
10/11/2021 7:36:04 PM



#15
Acetone
Concen: 13.617 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL037772.D
Acq: 5 Oct 2021 14:00

Tgt Ion: 43 Resp: 1677789
Ion Ratio Lower Upper
43 100
58 27.7 23.0 34.6





#19

Isopropyl Alcohol

Concen: 11.783 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL037772.D

Acq: 5 Oct 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

C0P22DL

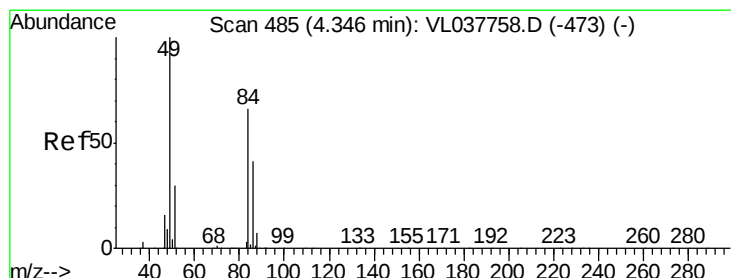
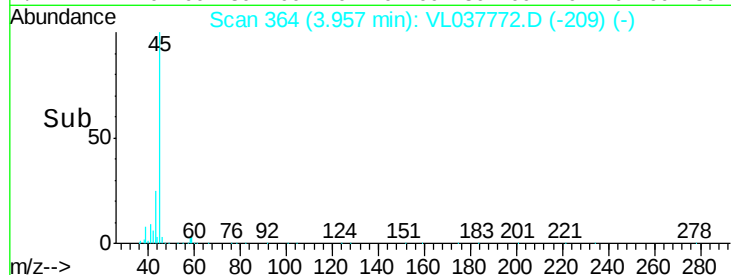
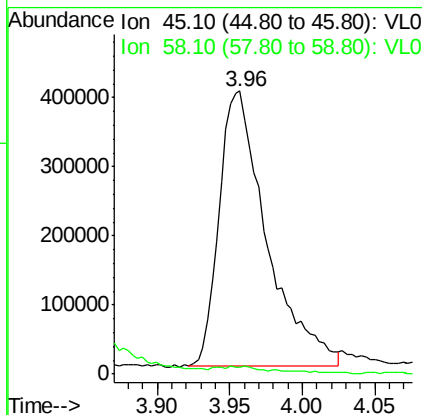
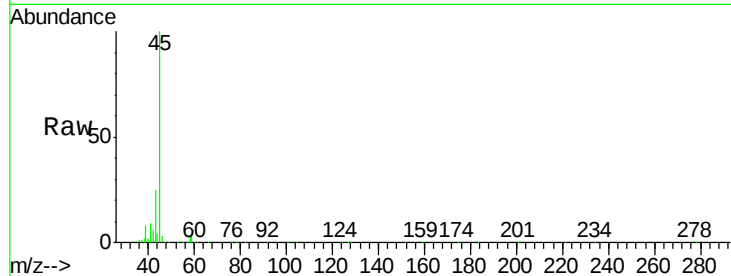
Tgt Ion: 45 Resp: 903232
Ion Ratio Lower Upper

45 100

58 3.7 1.1 1.7#

Manual Integrations
APPROVED

MMDadoda
10/11/2021 7:36:04 PM



#20

Methylene Chloride

Concen: 0.559 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL037772.D

Acq: 5 Oct 2021 14:00

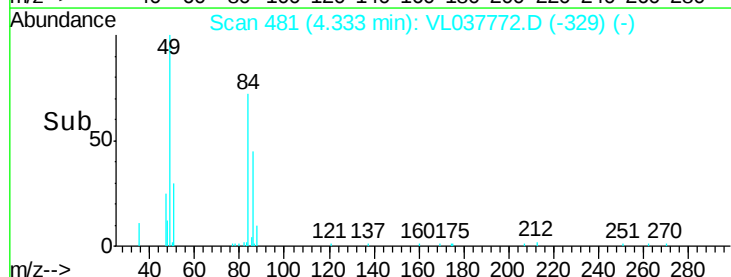
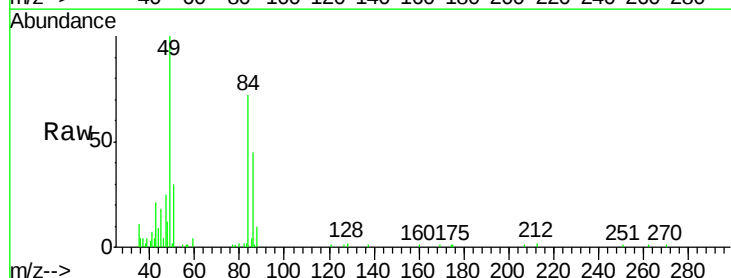
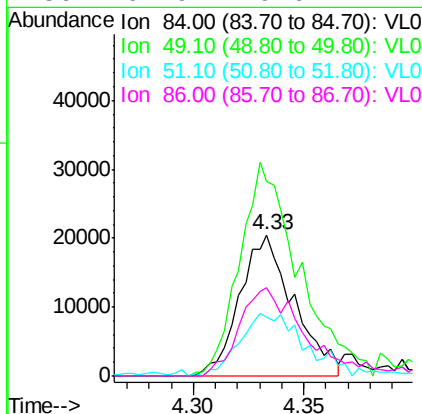
Tgt Ion: 84 Resp: 34796
Ion Ratio Lower Upper

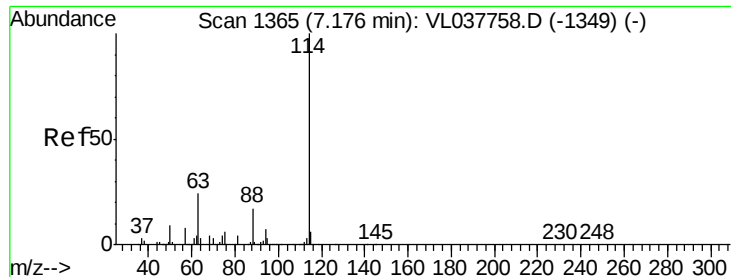
84 100

49 133.9 120.7 181.1

51 41.6 36.2 54.4

86 62.9 49.6 74.4





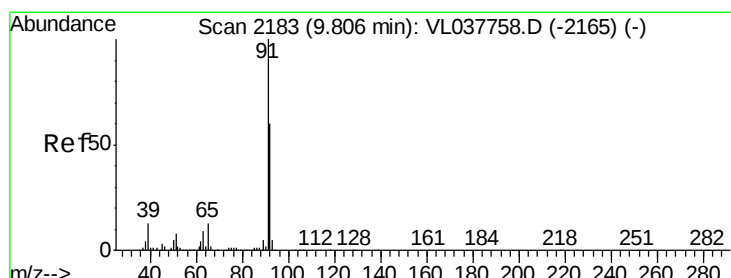
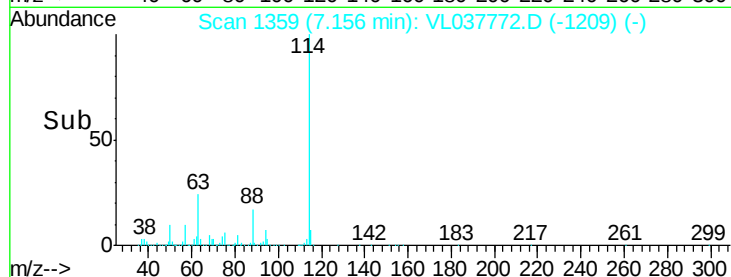
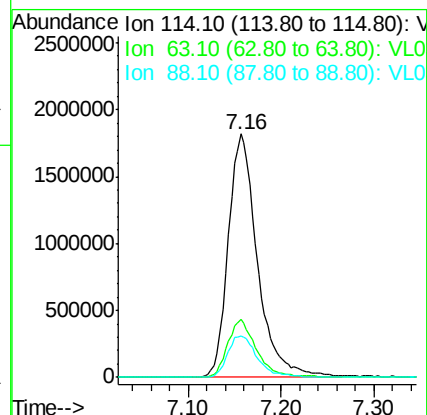
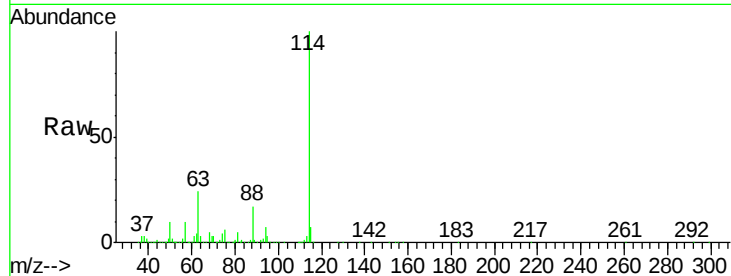
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL037772.D
Acq: 5 Oct 2021 14:00

Instrument :
MSVOA_L
ClientSampleId :
C0P22DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.2
88	17.6	14.4	21.6

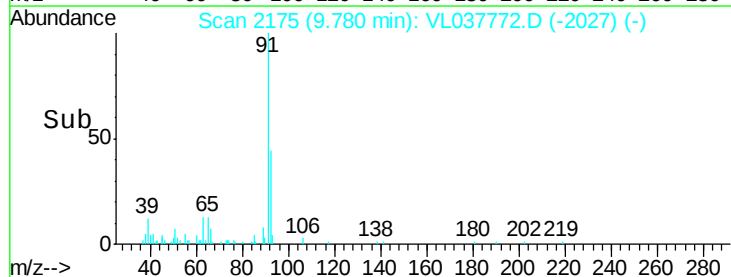
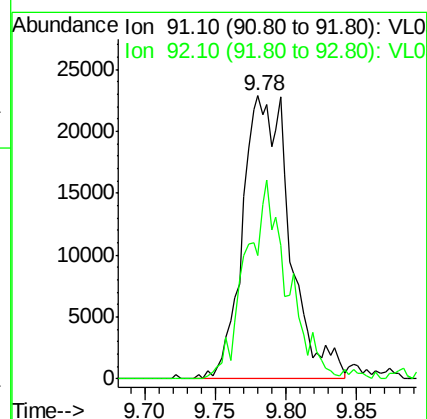
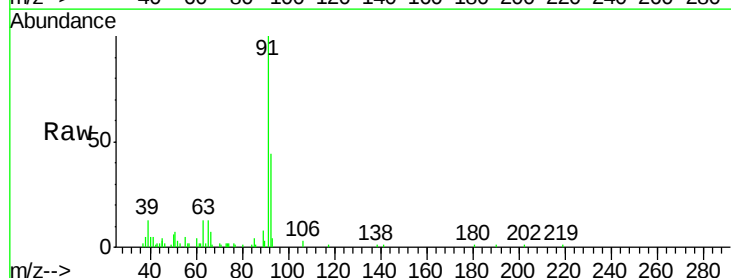
Manual Integrations
APPROVED

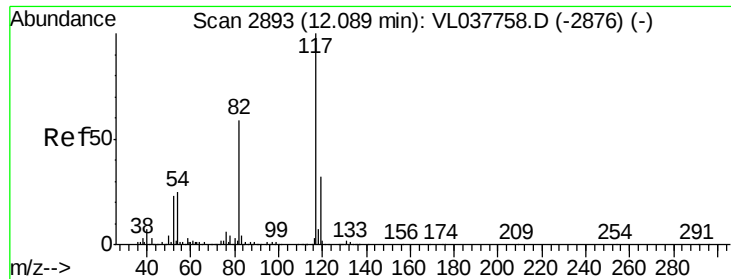
MMDadoda
10/11/2021 7:36:04 PM



#53
Toluene
Concen: 0.141 ppbv m
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL037772.D
Acq: 5 Oct 2021 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.1	48.4	72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.02 min

Lab File: VL037772.D

Acq: 5 Oct 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

C0P22DL

Tgt Ion: 117 Resp: 3413080

Ion Ratio Lower Upper

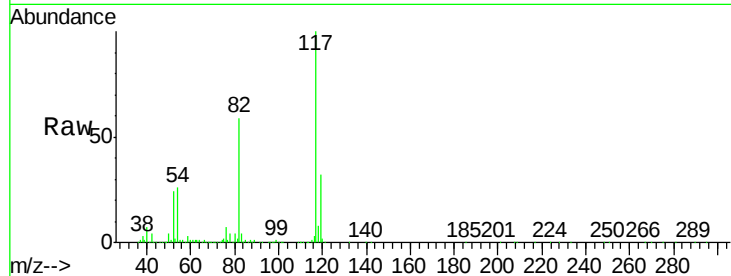
117 100

82 63.6 52.2 78.2

119 33.5 26.0 39.0

Manual Integrations
APPROVED

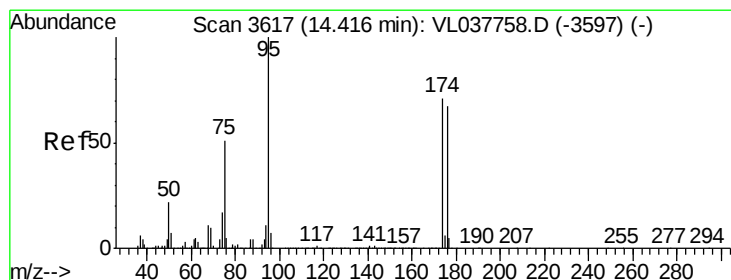
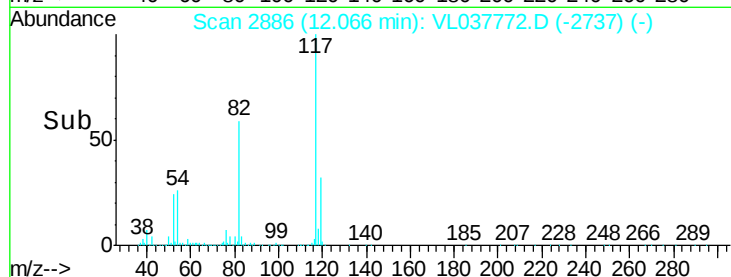
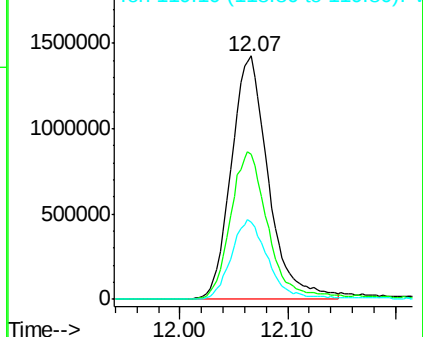
MMDadoda
10/11/2021 7:36:04 PM



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



#68

1-Bromo-4-Fluorobenzene

Concen: 10.020 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.03 min

Lab File: VL037772.D

Acq: 5 Oct 2021 14:00

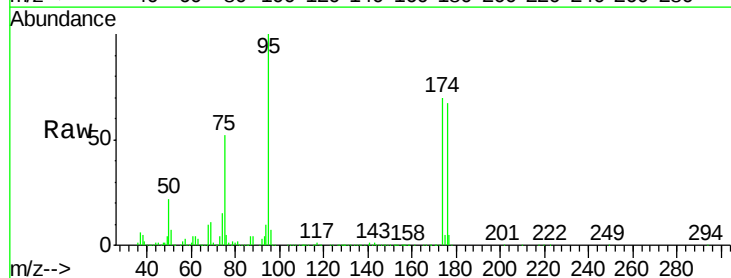
Tgt Ion: 95 Resp: 2391636

Ion Ratio Lower Upper

95 100

174 73.9 57.8 86.6

175 5.6 4.7 7.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

