

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037087.D
 Acq On : 2 Jun 2021 2:13
 Operator : SY/AP
 Sample : M2548-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1ADL

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:59:26 PM

Quant Time: Jun 06 21:30:24 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	5.65	49	1463171	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4416932	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3979653	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2914558	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	31905m	0.129	ppbv	
9) Propene	3.01	41	38507m	0.401	ppbv	
13) Ethanol	3.60	45	596575	46.582	ppbv	94
15) Acetone	3.85	43	259361	1.731	ppbv #	87
19) Isopropyl Alcohol	3.97	45	356863	4.430	ppbv #	40
29) Chloroform	5.74	83	38909m	0.150	ppbv	

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

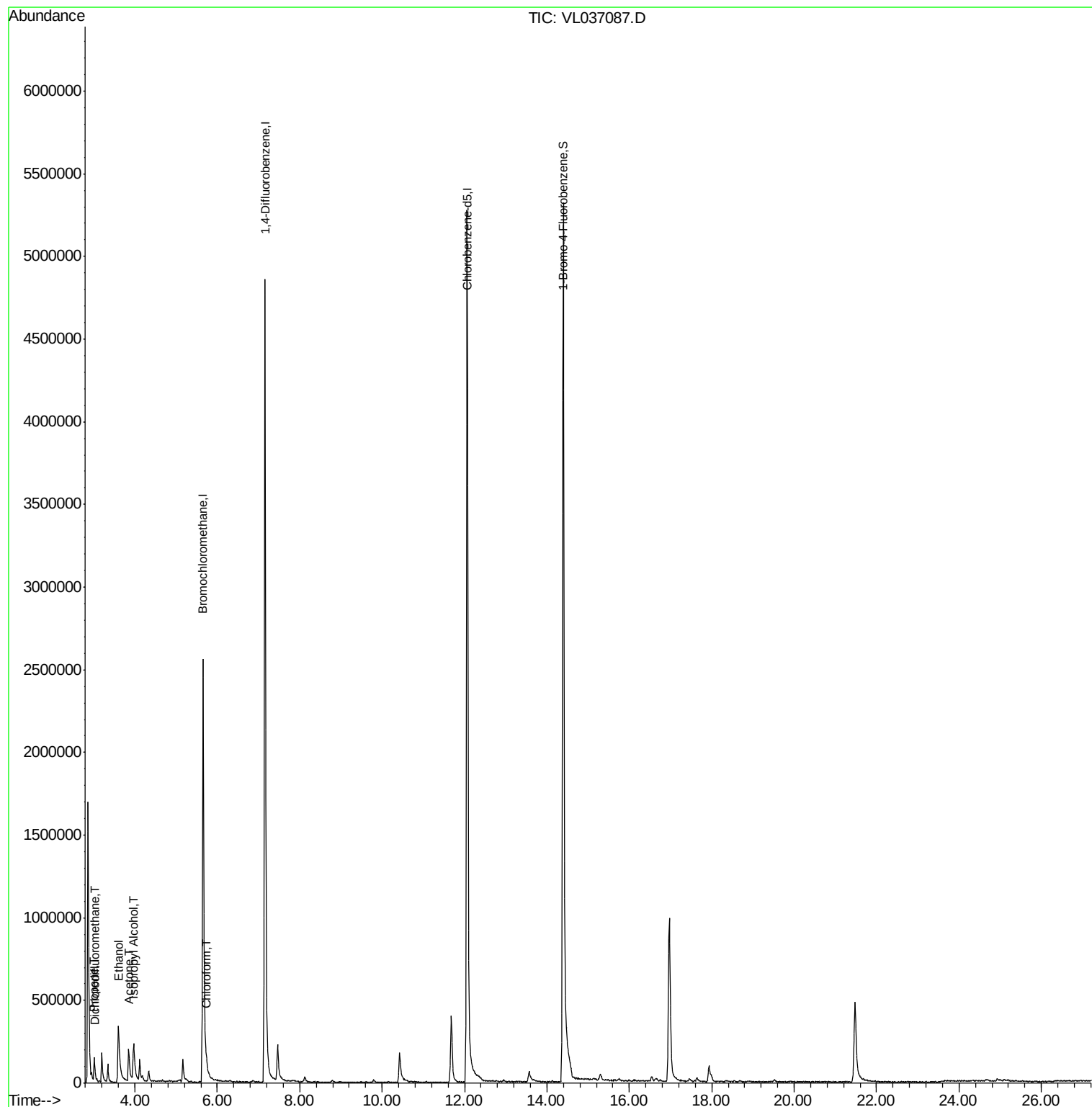
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060121\
Data File : VL037087.D
Acq On : 2 Jun 2021 2:13
Operator : SY/AP
Sample : M2548-04DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

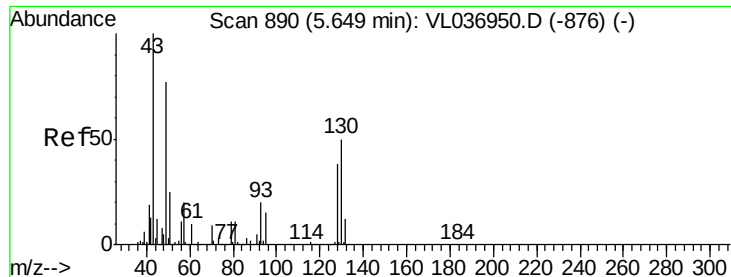
Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Manual Integrations
APPROVED

MMDadoda
6/7/2021 2:59:26 PM

Quant Time: Jun 06 21:30:24 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: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037087.D

Acq: 2 Jun 2021 2:13

Instrument :

MSVOA_L

ClientSampleId :

IA-1ADL

Tot Ion: 49 Resp: 1463171

Ion Ratio Lower Upper

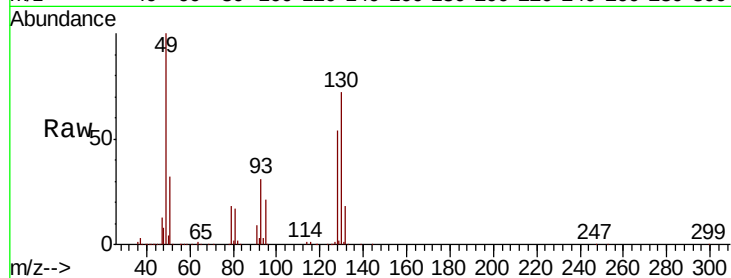
49 100

128 58.2 26.9 80.7

130 75.6 33.8 101.4

Manual Integrations
APPROVED

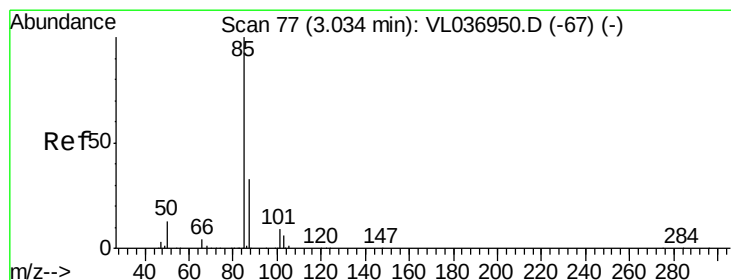
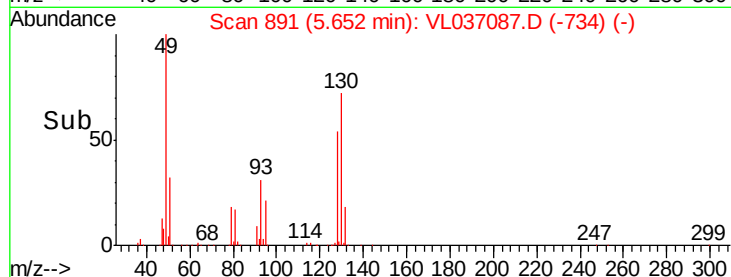
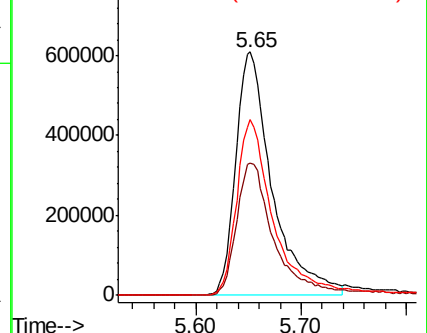
MMDadoda
6/7/2021 2:59:26 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.129 ppbv m

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL037087.D

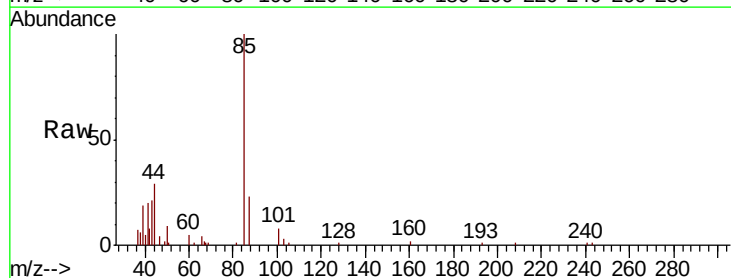
Acq: 2 Jun 2021 2:13

Tgt Ion: 85 Resp: 31905

Ion Ratio Lower Upper

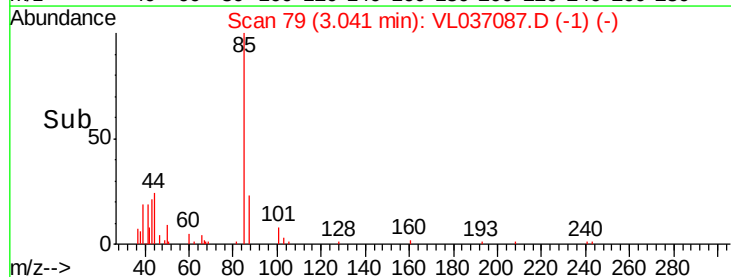
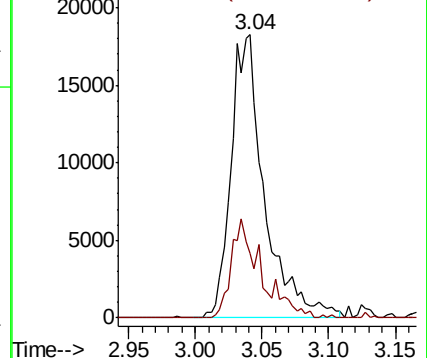
85 100

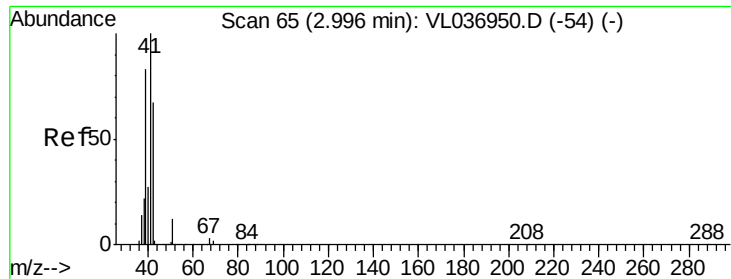
87 22.7 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.401 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037087.D

Acq: 2 Jun 2021 2:13

Instrument :

MSVOA_L

ClientSampleId :

IA-1ADL

Tot Ion: 41 Resp: 38507

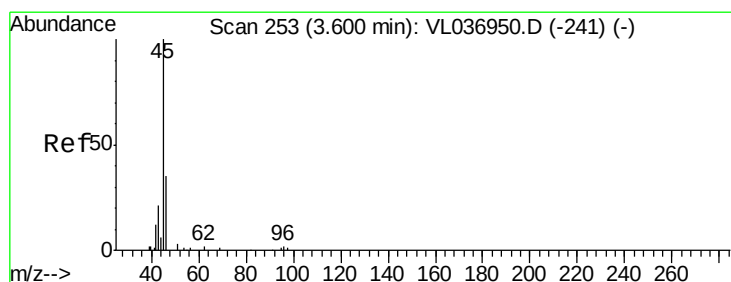
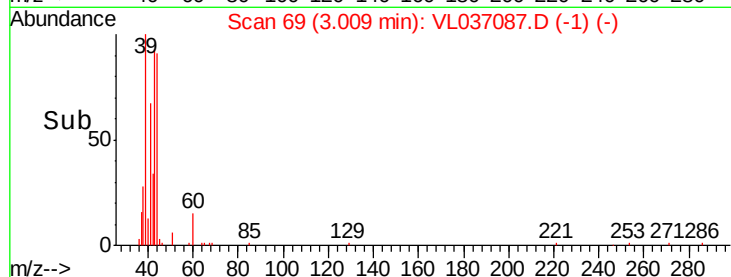
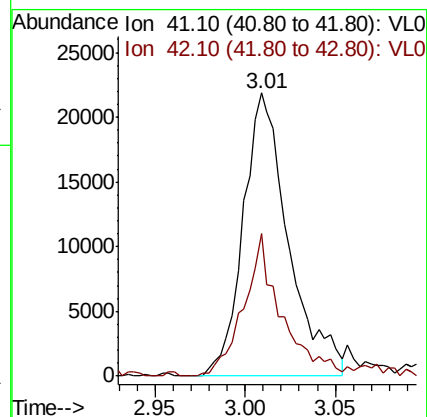
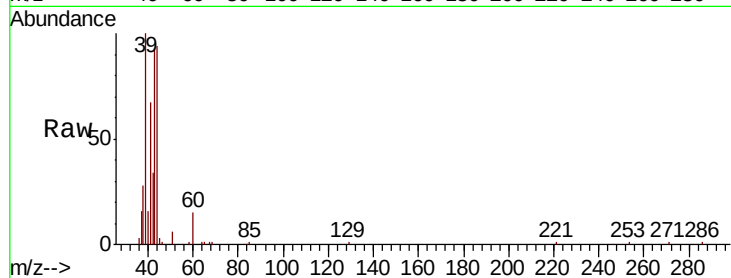
Ion Ratio Lower Upper

41 100

42 38.8 53.9 80.9#

Manual Integrations
APPROVED

MMDadoda
6/7/2021 2:59:26 PM



#13

Ethanol

Concen: 46.582 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037087.D

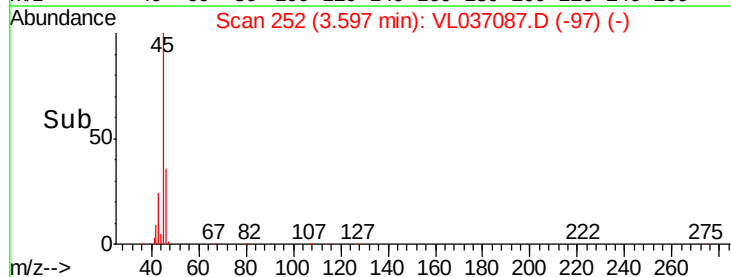
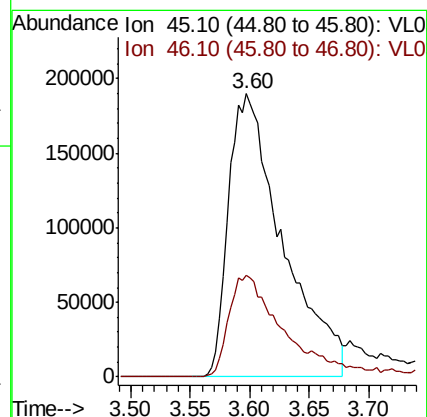
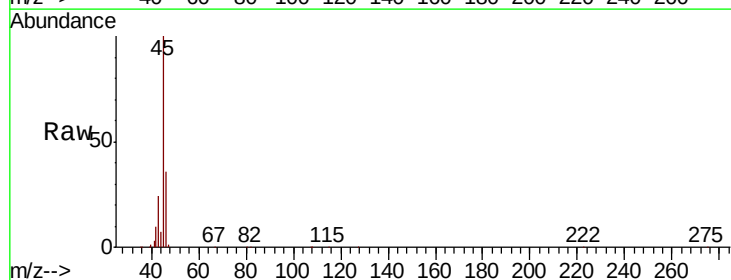
Acq: 2 Jun 2021 2:13

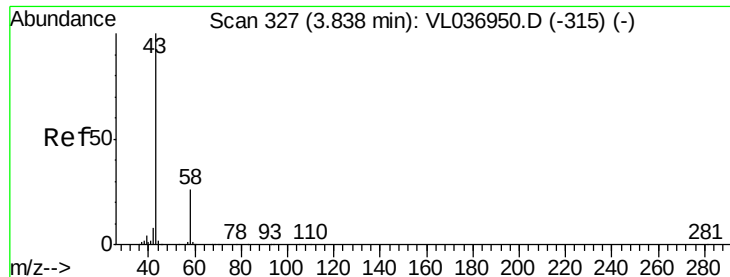
Tgt Ion: 45 Resp: 596575

Ion Ratio Lower Upper

45 100

46 36.9 16.3 65.3





#15

Acetone

Concen: 1.731 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037087.D

Acq: 2 Jun 2021 2:13

Instrument :

MSVOA_L

ClientSampleId :

IA-1ADL

Tot Ion: 43 Resp: 259361

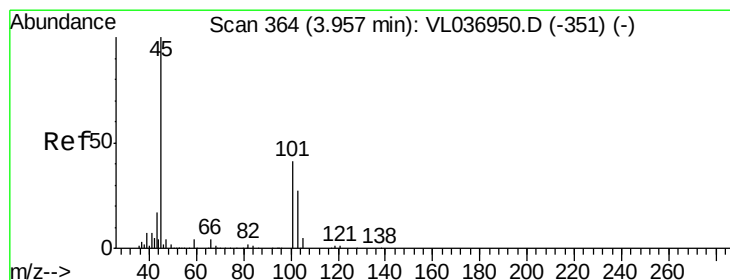
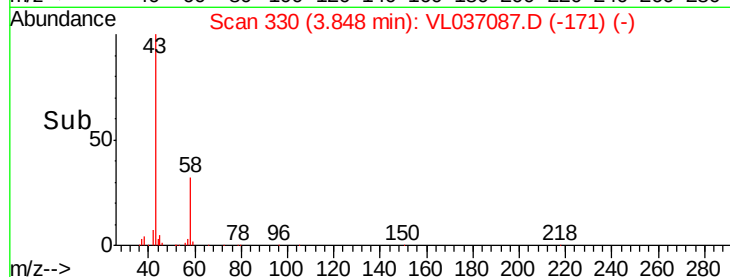
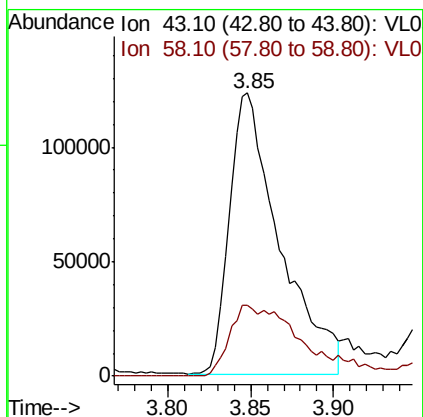
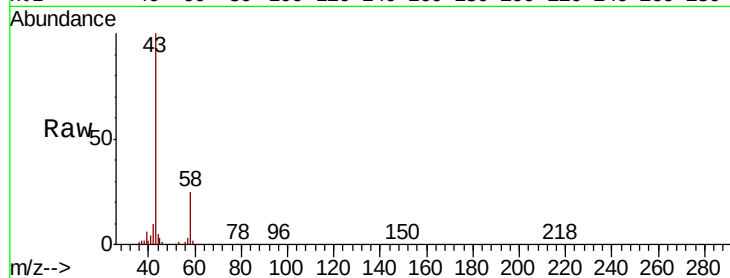
Ion Ratio Lower Upper

43 100

58 37.1 24.0 36.0#

Manual Integrations
APPROVED

MMDadoda
6/7/2021 2:59:26 PM



#19

Isopropyl Alcohol

Concen: 4.430 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL037087.D

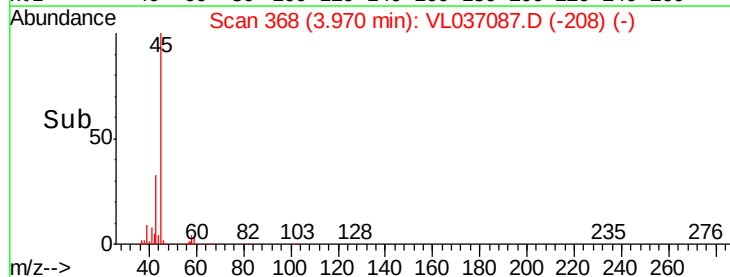
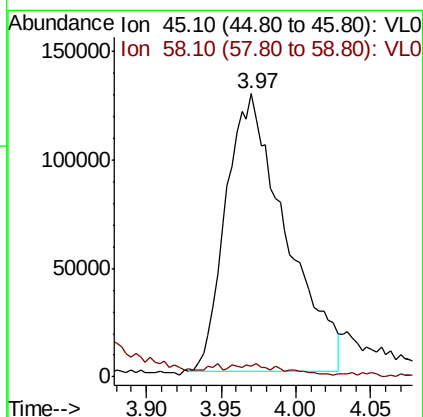
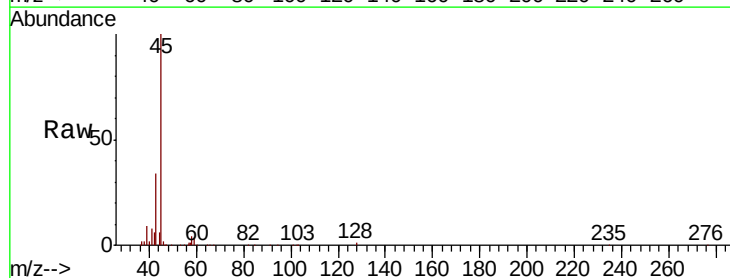
Acq: 2 Jun 2021 2:13

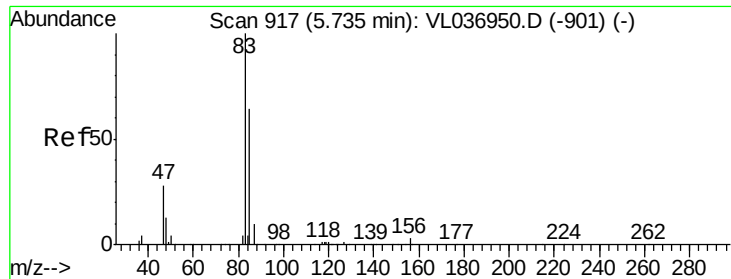
Tgt Ion: 45 Resp: 356863

Ion Ratio Lower Upper

45 100

58 6.3 37.2 55.8#





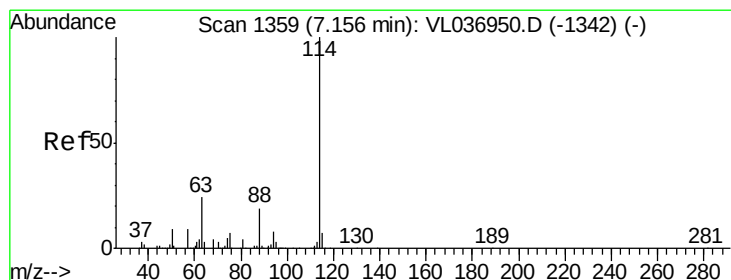
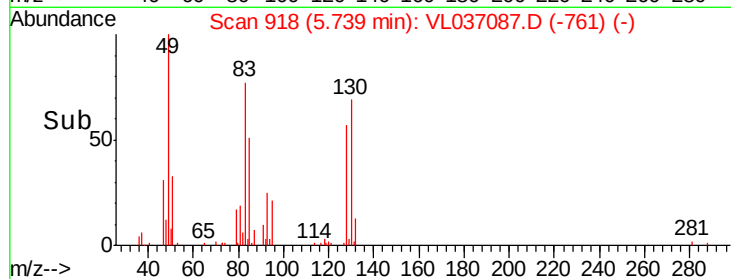
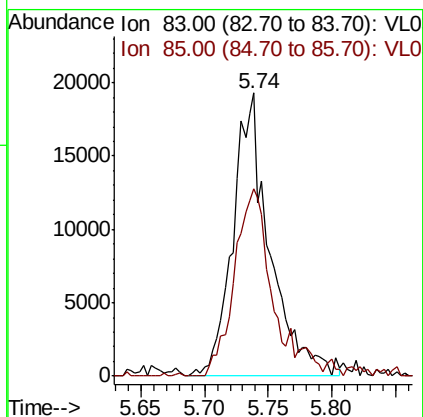
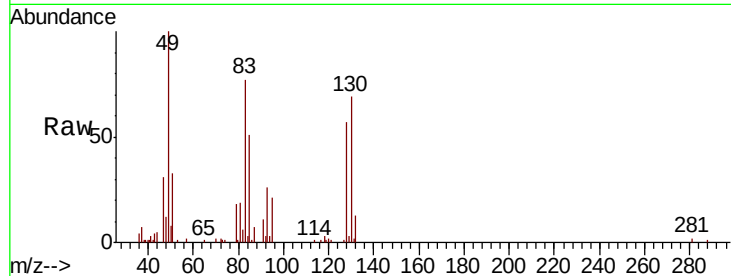
#29
Chloroform
Concen: 0.150 ppbv m
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037087.D
Acq: 2 Jun 2021 2:13

Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Tot Ion	83	Resp	38909
Ion Ratio	100	Lower	Upper
85	66.2	51.1	76.7

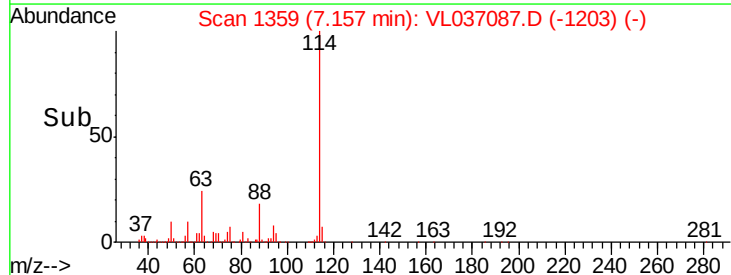
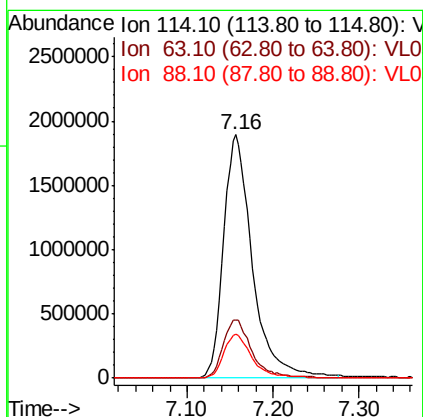
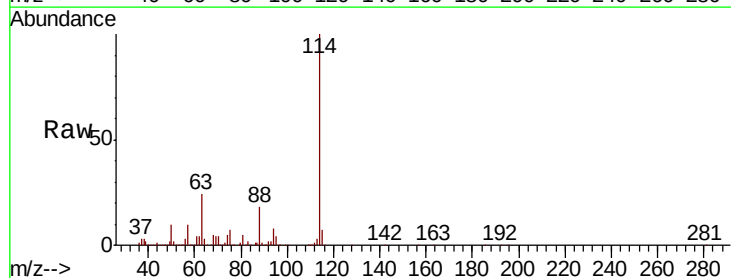
Manual Integrations
APPROVED

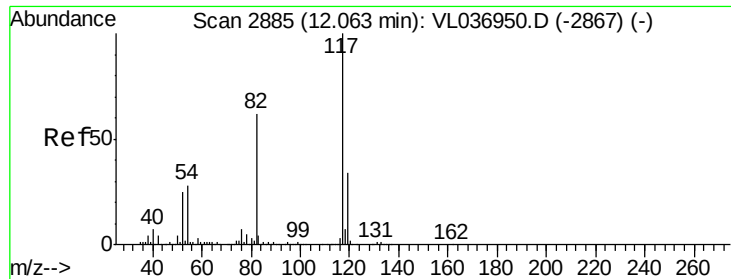
MMDadoda
6/7/2021 2:59:26 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL037087.D
Acq: 2 Jun 2021 2:13

Tgt Ion	114	Resp	4416932
Ion Ratio	100	Lower	Upper
63	24.1	19.6	29.4
88	18.0	14.6	21.8





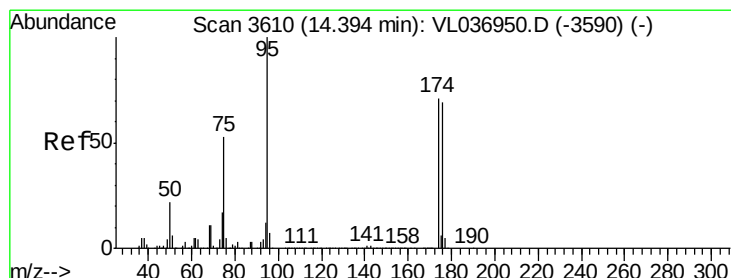
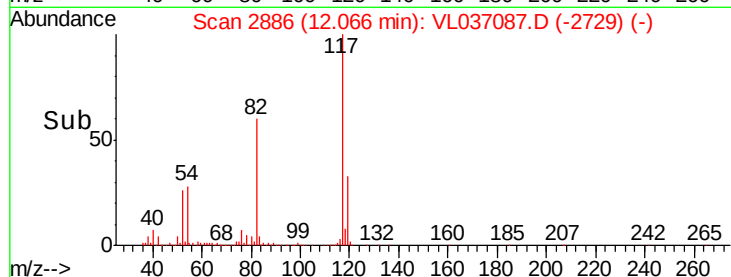
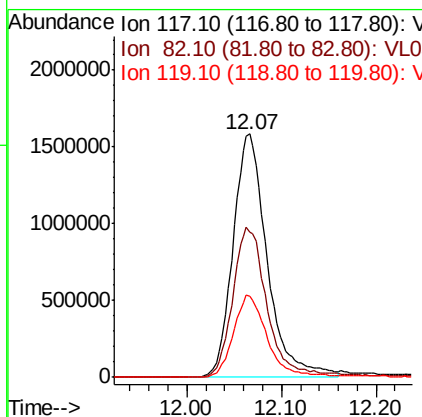
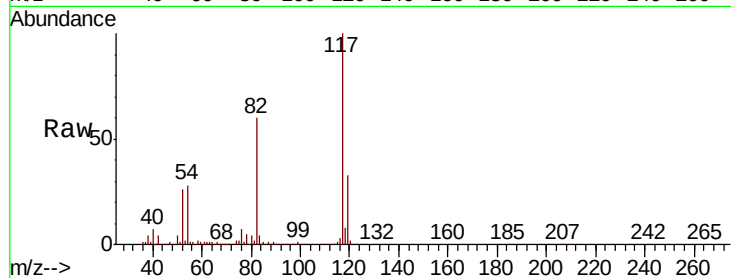
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037087.D
Acq: 2 Jun 2021 2:13

Instrument :
MSVOA_L
ClientSampleId :
IA-1ADL

Tot Ion:117 Resp: 3979653
Ion Ratio Lower Upper
117 100
82 64.2 52.6 79.0
119 34.0 46.6 70.0#

Manual Integrations
APPROVED

MMDadoda
6/7/2021 2:59:26 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.749 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037087.D
Acq: 2 Jun 2021 2:13

Tgt Ion: 95 Resp: 2914558
Ion Ratio Lower Upper
95 100
174 76.3 58.4 87.6
175 5.6 4.4 6.6

