

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037787.D
 Acq On : 5 Oct 2021 23:50
 Operator : SY/AP
 Sample : M4012-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P19DL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 7:36:37 PM

Quant Time: Oct 06 06:24:23 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	5.64	49	1163683	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3530909	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2935592	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2025613	9.87	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	11388	0.138	ppbv	96
15) Acetone	3.84	43	180308	1.726	ppbv #	80
20) Methylene Chloride	4.32	84	22196m	0.421	ppbv	
52) Tetrachloroethene	11.19	164	896869	7.644	ppbv	97

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

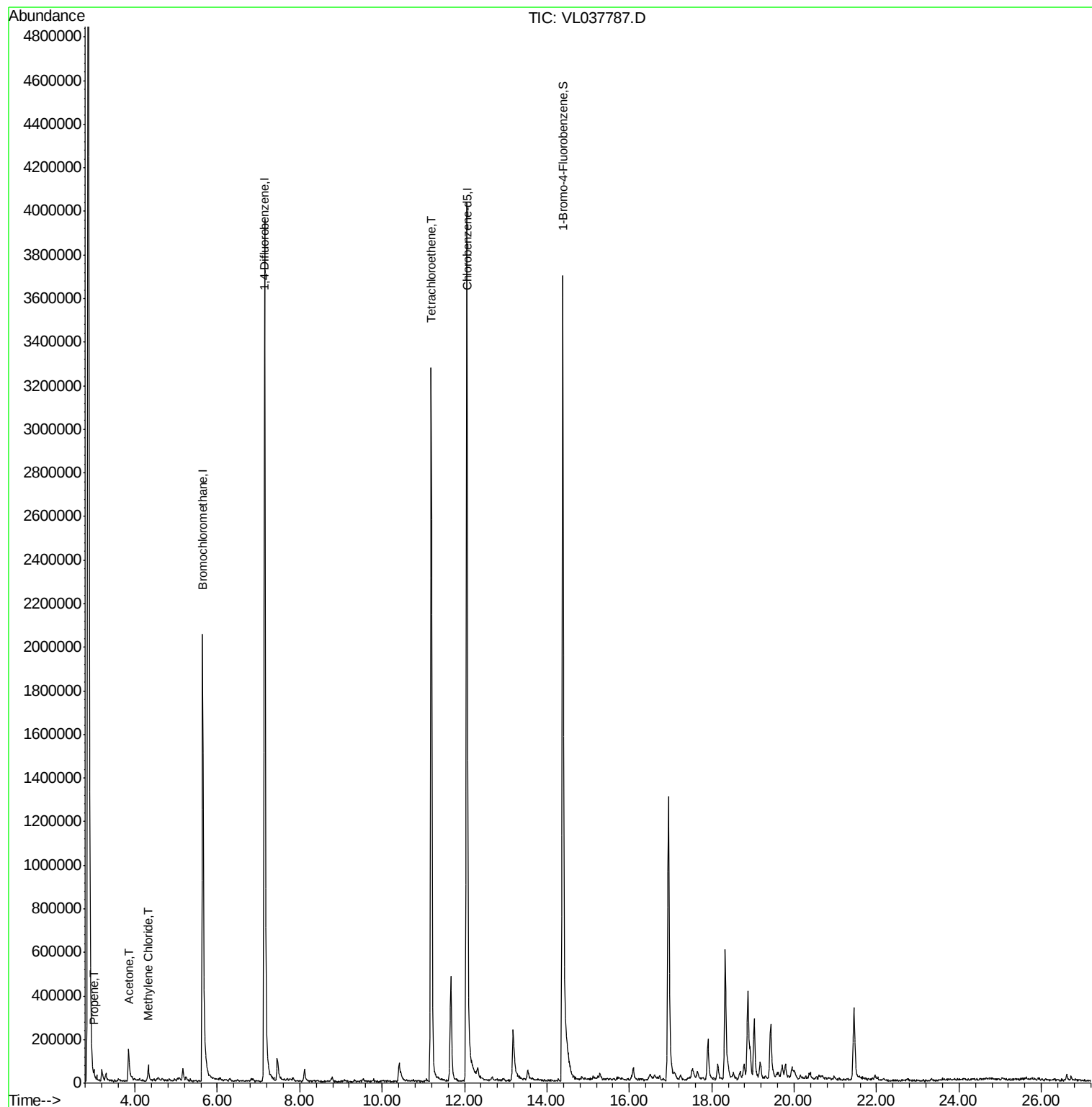
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037787.D
Acq On : 5 Oct 2021 23:50
Operator : SY/AP
Sample : M4012-13DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

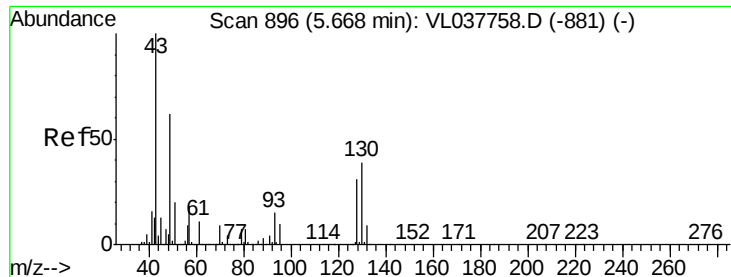
Instrument :
MSVOA_L
ClientSampleId :
C0P19DL

Manual Integrations
APPROVED

MMDadoda
10/11/2021 7:36:37 PM

Quant Time: Oct 06 06:24:23 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: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Instrument :

MSVOA_L

ClientSampled :

C0P19DL

Tgt Ion: 49 Resp: 1163683

Ion Ratio Lower Upper

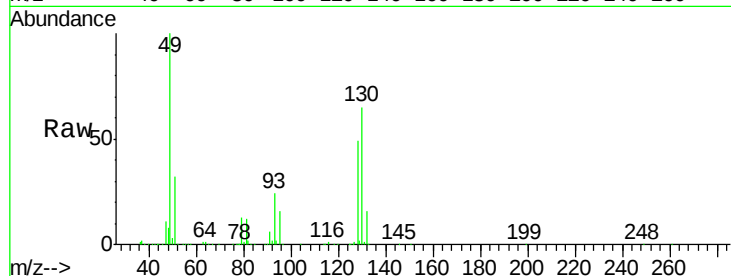
49 100

128 55.2 27.1 81.3

130 71.2 33.2 99.6

Manual Integrations
APPROVED

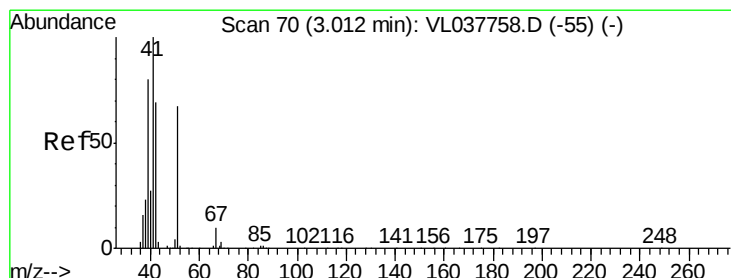
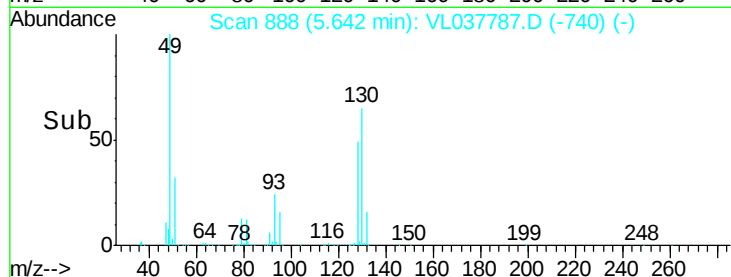
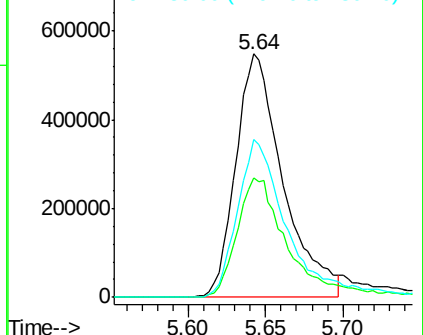
MMDadoda
10/11/2021 7:36:37 PM



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: 0.138 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037787.D

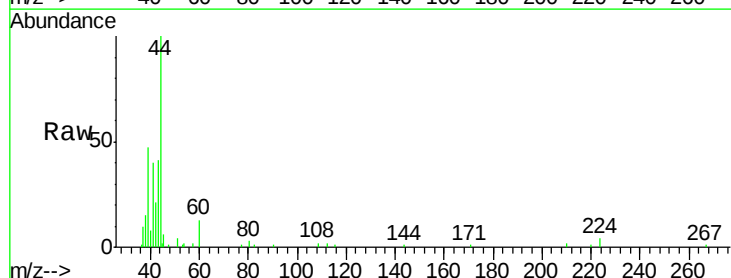
Acq: 5 Oct 2021 23:50

Tgt Ion: 41 Resp: 11388

Ion Ratio Lower Upper

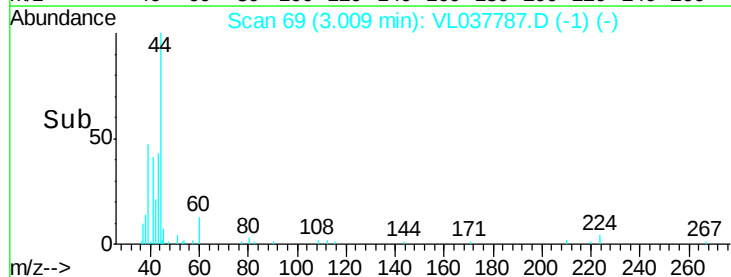
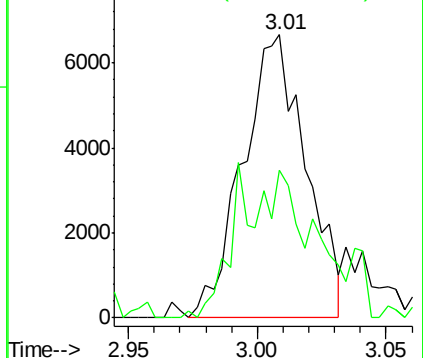
41 100

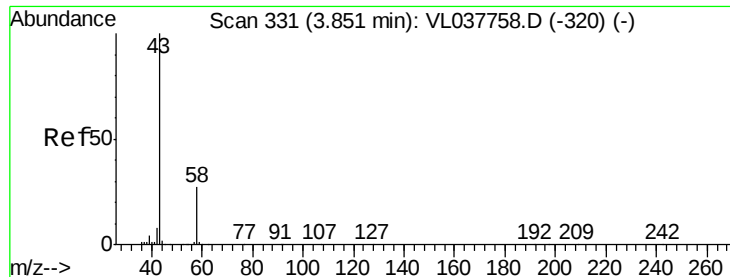
42 70.6 54.2 81.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 1.726 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Instrument :

MSVOA_L

ClientSampleId :

C0P19DL

Tgt Ion: 43 Resp: 180308

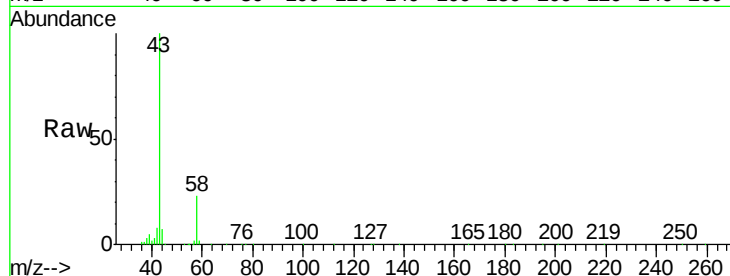
Ion Ratio Lower Upper

43 100

58 39.3 23.0 34.6#

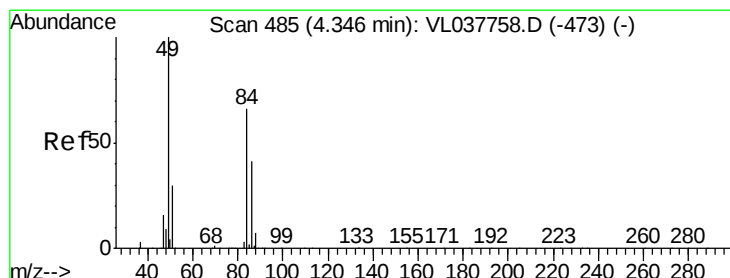
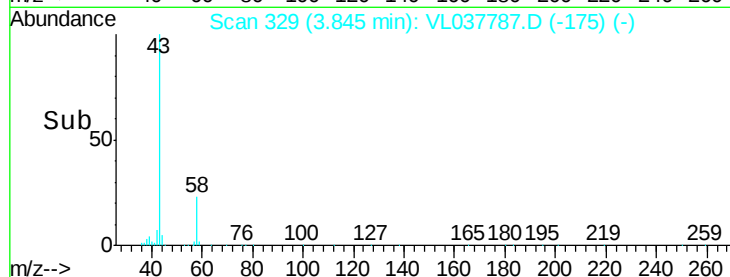
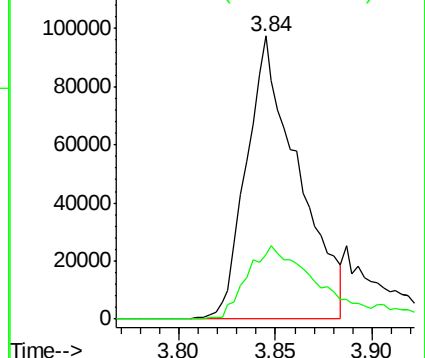
Manual Integrations
APPROVED

MMDadoda
10/11/2021 7:36:37 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.421 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Tgt Ion: 84 Resp: 22196

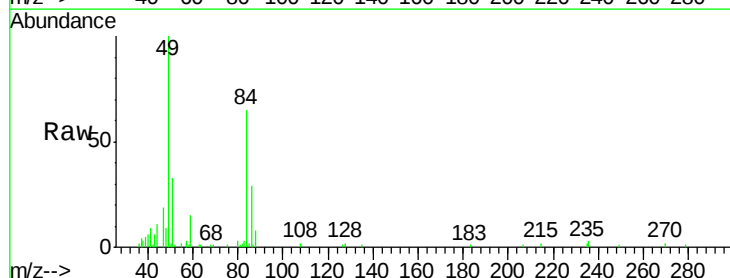
Ion Ratio Lower Upper

84 100

49 154.7 120.7 181.1

51 50.5 36.2 54.4

86 44.8 49.6 74.4#

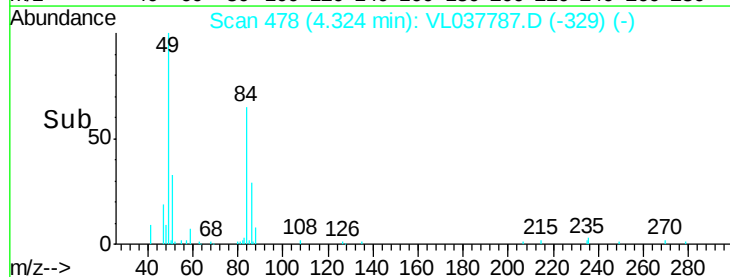
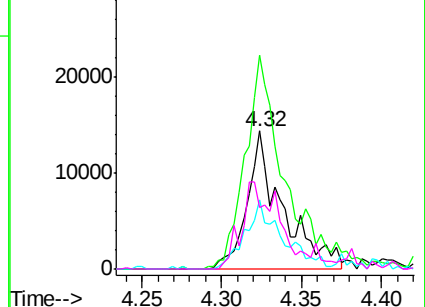


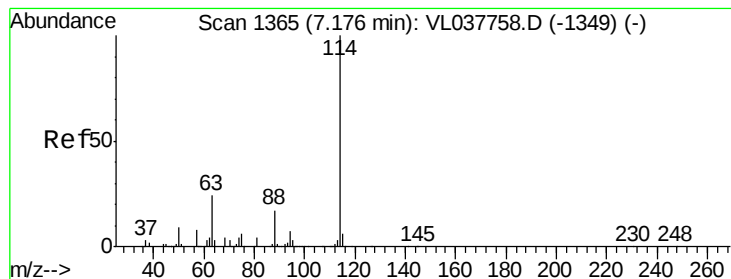
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.03 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Instrument :

MSVOA_L

ClientSampleId :

C0P19DL

Tgt Ion:114 Resp: 3530909

Ion Ratio Lower Upper

114 100

63 24.3 19.4 29.2

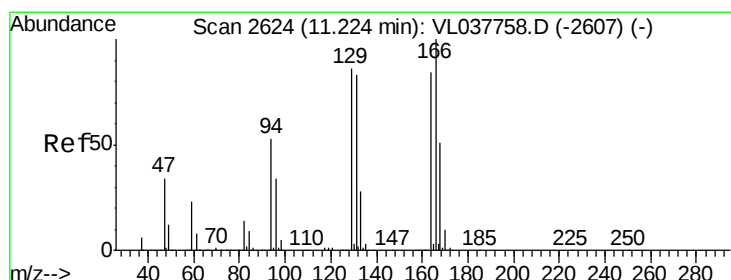
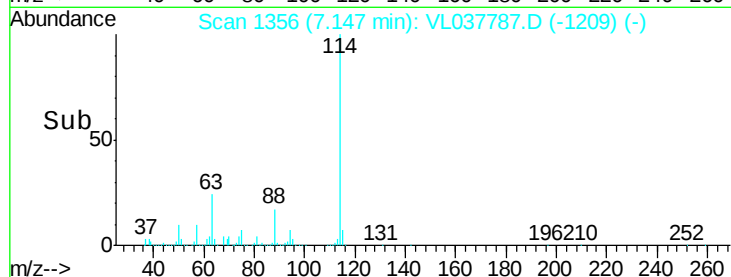
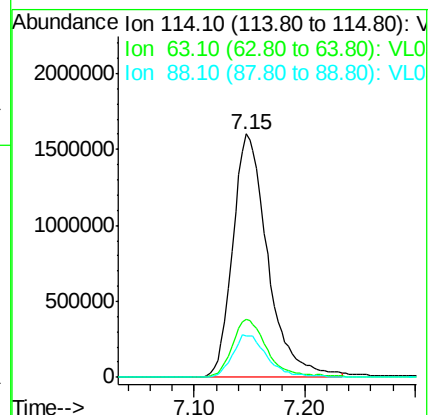
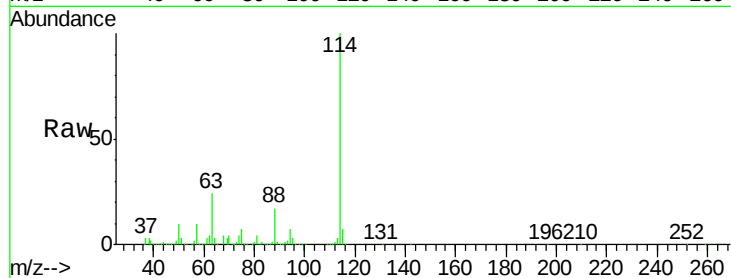
88 17.6 14.4 21.6

Manual Integrations

APPROVED

MMDadoda

10/11/2021 7:36:37 PM



#52

Tetrachloroethene

Concen: 7.644 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.03 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Tgt Ion:164 Resp: 896869

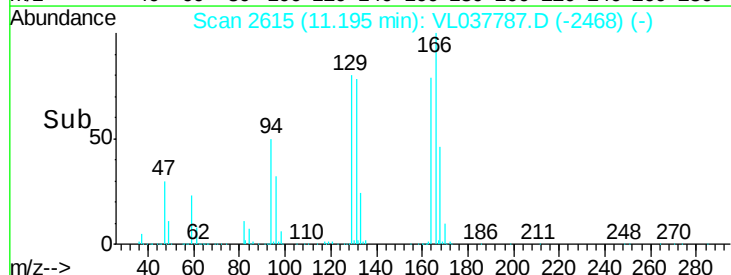
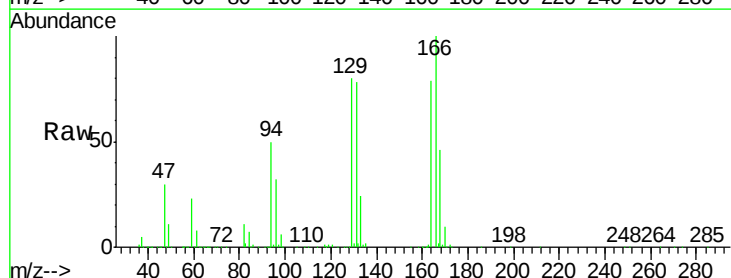
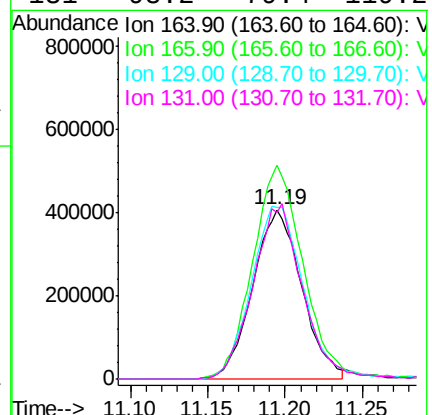
Ion Ratio Lower Upper

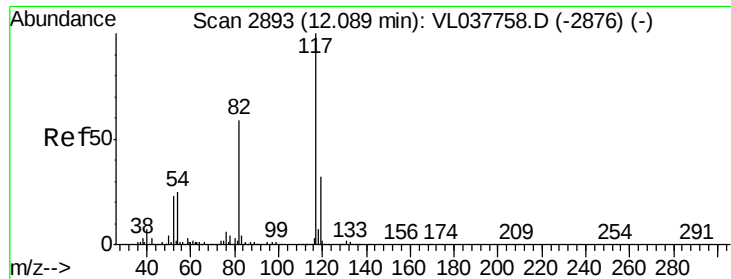
164 100

166 126.0 95.4 143.2

129 101.3 82.2 123.4

131 98.2 79.4 119.2





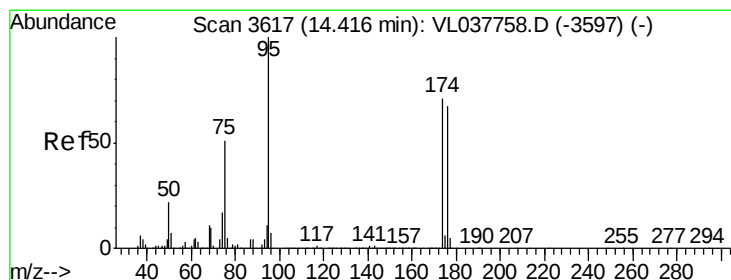
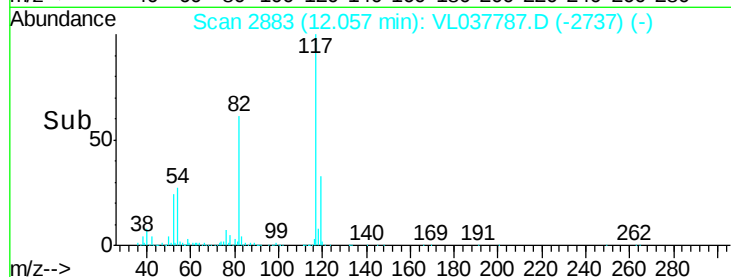
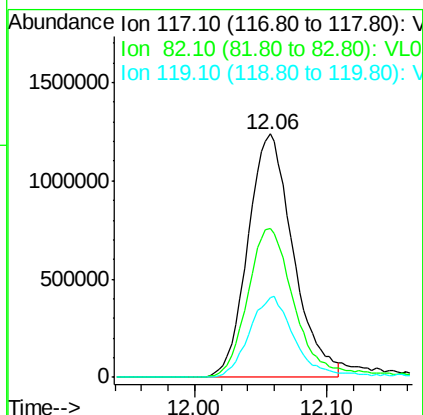
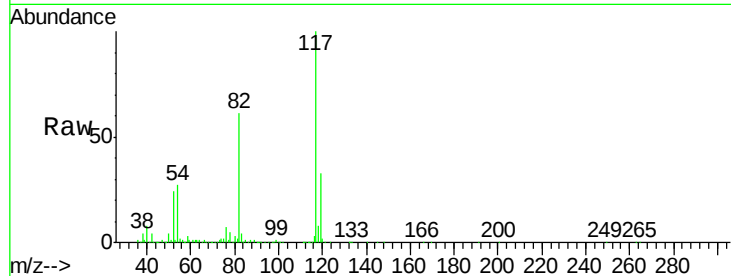
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.03 min
Lab File: VL037787.D
Acq: 5 Oct 2021 23:50

Instrument :
MSVOA_L
ClientSampleId :
C0P19DL

Tgt Ion: 117 Resp: 2935592
Ion Ratio Lower Upper
117 100
82 65.6 52.2 78.2
119 35.4 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
10/11/2021 7:36:37 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.867 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.04 min
Lab File: VL037787.D
Acq: 5 Oct 2021 23:50

Tgt Ion: 95 Resp: 2025613
Ion Ratio Lower Upper
95 100
174 77.7 57.8 86.6
175 5.9 4.7 7.1

