

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037752.D
 Acq On : 1 Oct 2021 21:51
 Operator : SY/AP
 Sample : M4012-10DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P01DL

Manual Integrations
 APPROVED

apatel
 10/14/2021 6:07:37 AM

Quant Time: Oct 02 19:53:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1426123	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4070322	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3522020	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2318572	9.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	139926	0.944	ppbv	# 68
19) Isopropyl Alcohol	3.97	45	52262m	0.648	ppbv	
20) Methylene Chloride	4.33	84	211145	2.985	ppbv	93
52) Tetrachloroethene	11.20	164	597496	4.586	ppbv	97

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

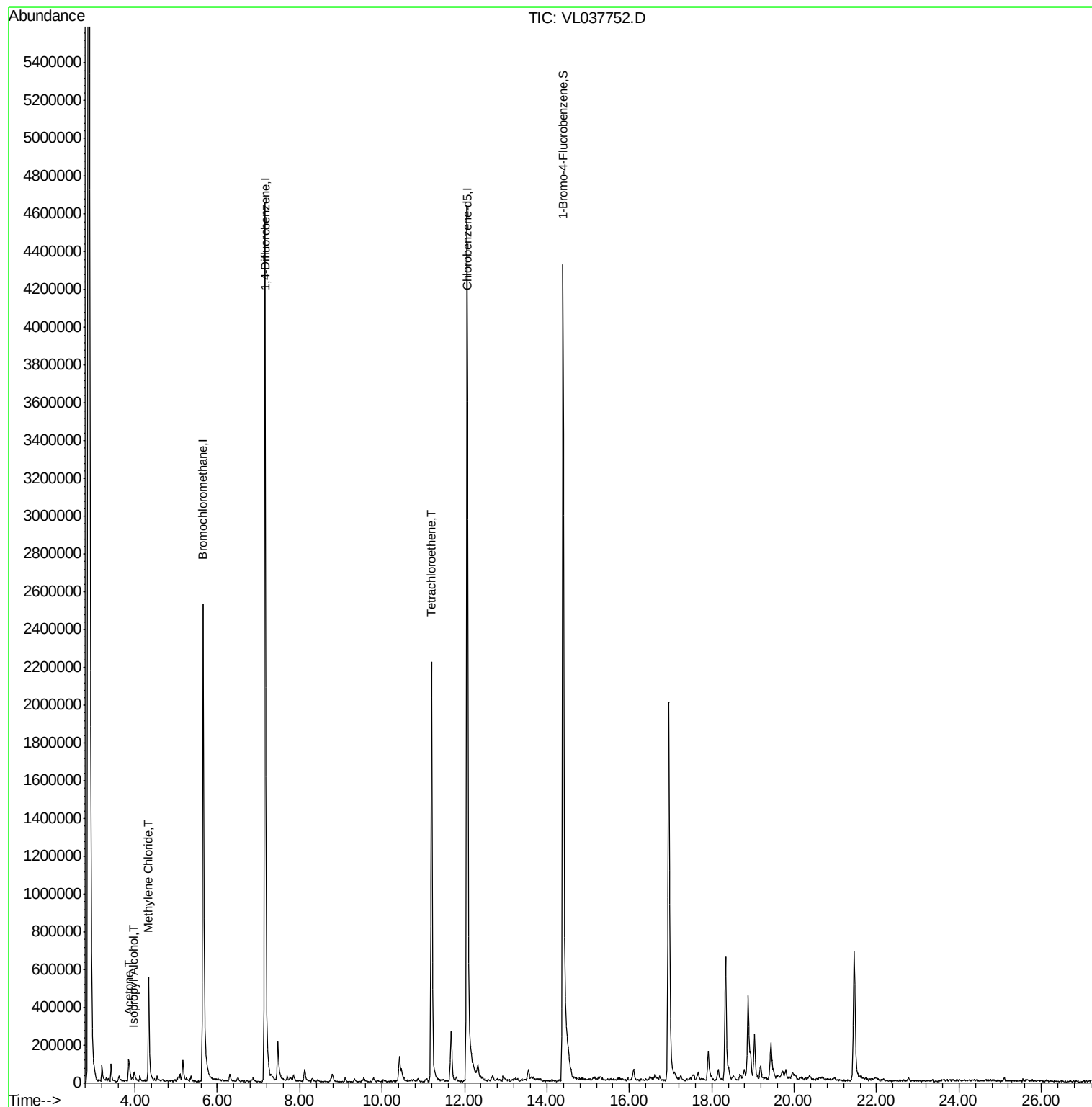
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100121\
Data File : VL037752.D
Acq On : 1 Oct 2021 21:51
Operator : SY/AP
Sample : M4012-10DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

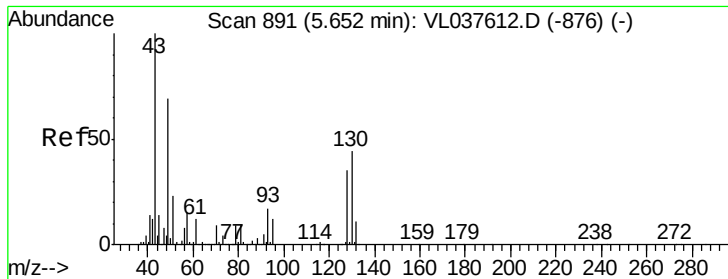
Instrument :
MSVOA_L
ClientSampleId :
C0P01DL

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:37 AM

Quant Time: Oct 02 19:53:19 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

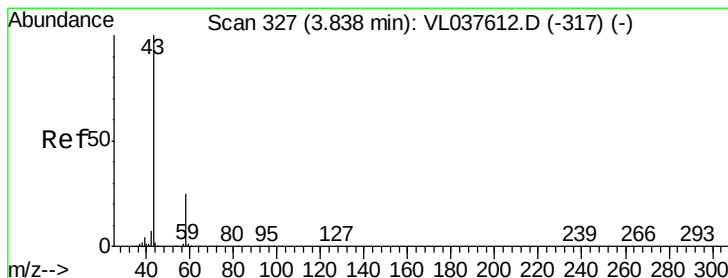
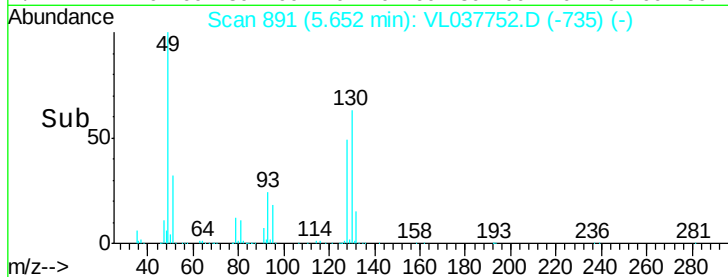
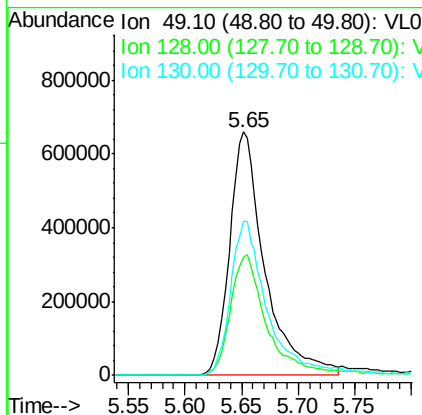
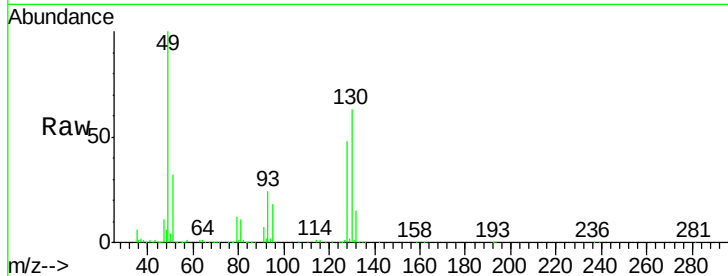
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL037752.D
 Acq: 1 Oct 2021 21:51

Instrument :
 MSVOA_L
 ClientSampled :
 C0P01DL

Tot Ion: 49 Resp: 1426123
 Ion Ratio Lower Upper
 49 100
 128 53.1 27.9 83.6
 130 67.4 33.9 101.7

Manual Integrations
 APPROVED

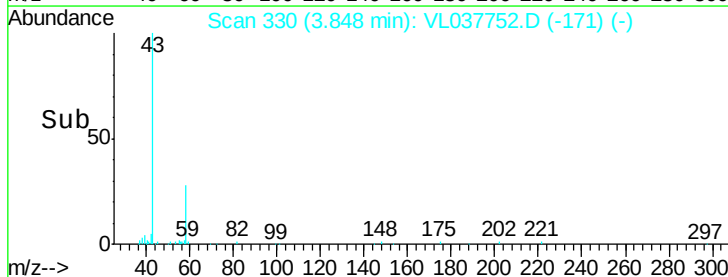
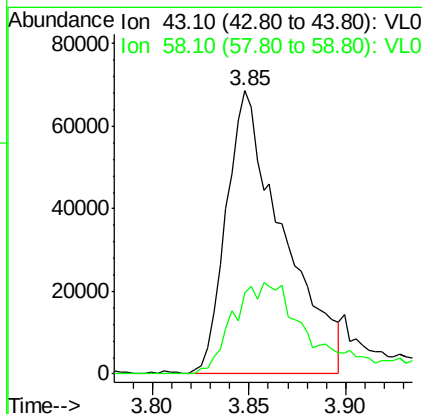
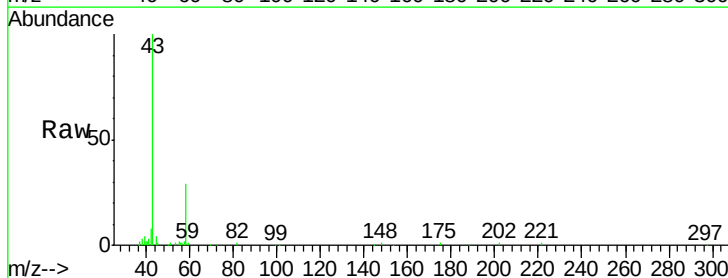
apatel
 10/14/2021 6:07:37 AM

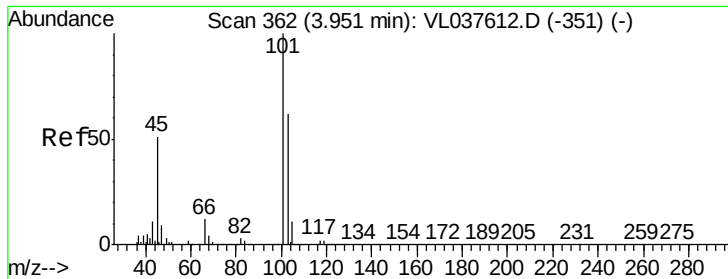


#15

Acetone
 Concen: 0.944 ppbv
 RT: 3.85 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: VL037752.D
 Acq: 1 Oct 2021 21:51

Tgt Ion: 43 Resp: 139926
 Ion Ratio Lower Upper
 43 100
 58 48.9 24.9 37.3#





#19

Isopropyl Alcohol

Concen: 0.648 ppbv m

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037752.D

Acq: 1 Oct 2021 21:51

Instrument :

MSVOA_L

ClientSampled :

C0P01DL

Tot Ion: 45 Resp: 52262

Ion Ratio Lower Upper

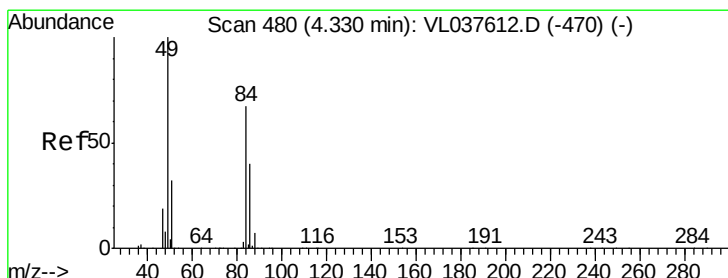
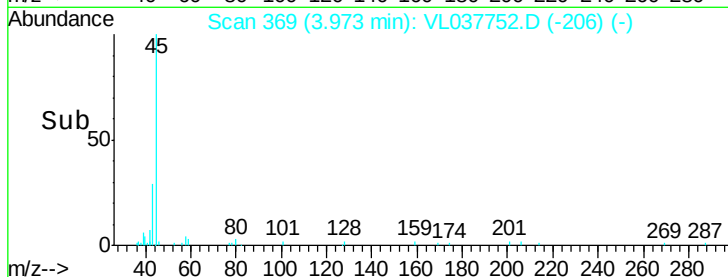
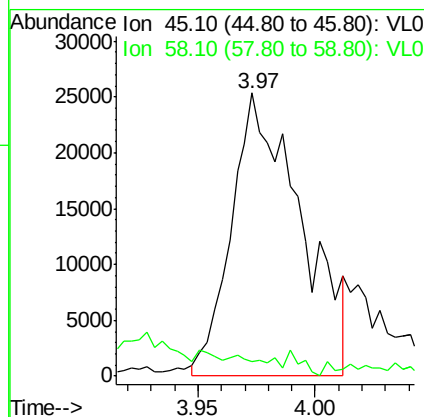
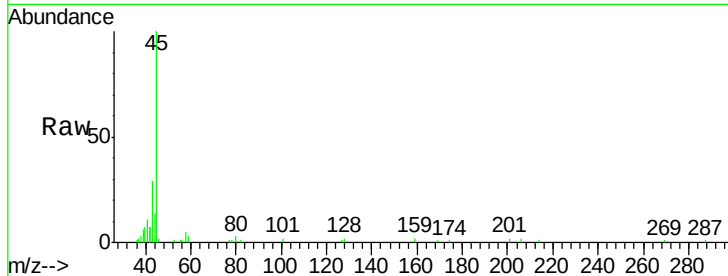
45 100

58 0.0 2.9 4.3#

Manual Integrations
APPROVED

apatel

10/14/2021 6:07:37 AM



#20

Methylene Chloride

Concen: 2.985 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037752.D

Acq: 1 Oct 2021 21:51

Tgt Ion: 84 Resp: 211145

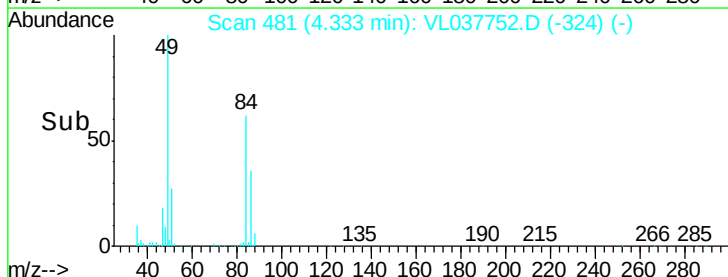
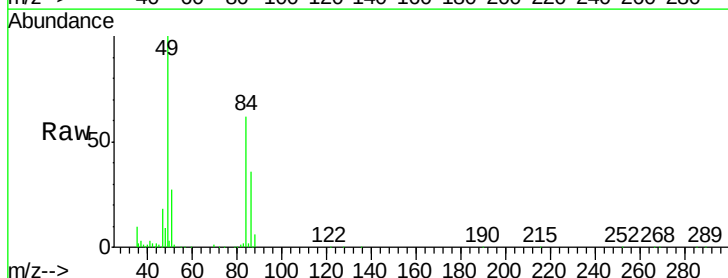
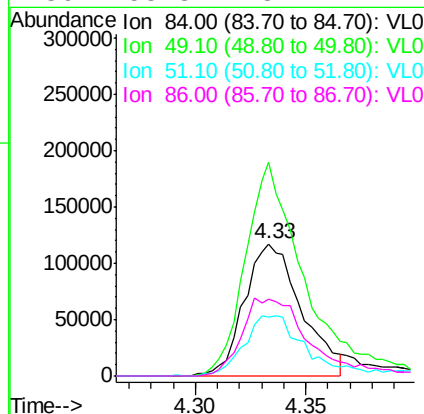
Ion Ratio Lower Upper

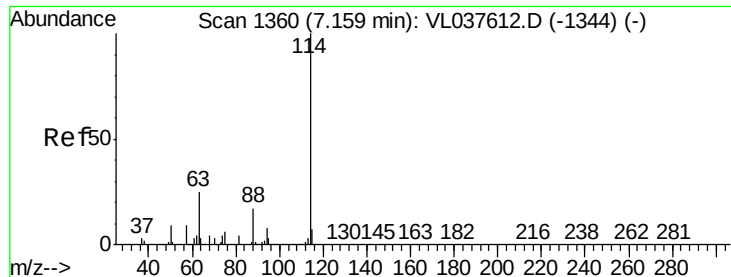
84 100

49 161.3 120.0 180.0

51 44.0 38.0 57.0

86 58.3 48.2 72.2





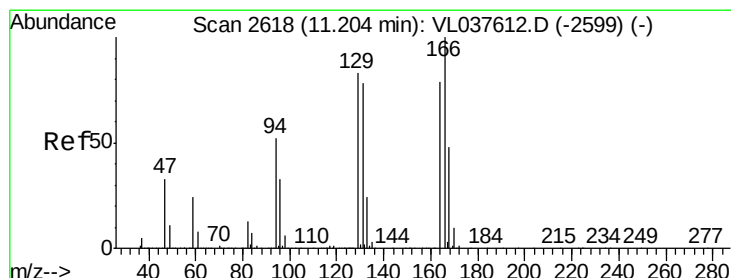
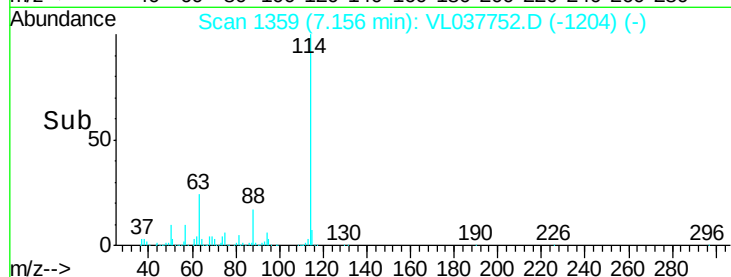
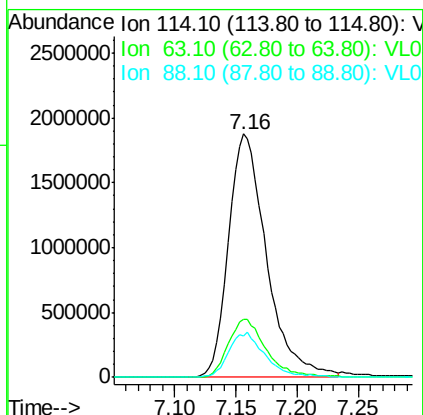
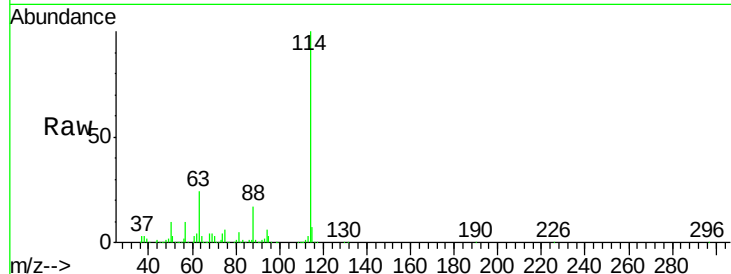
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037752.D
 Acq: 1 Oct 2021 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	18.1	14.2	21.4

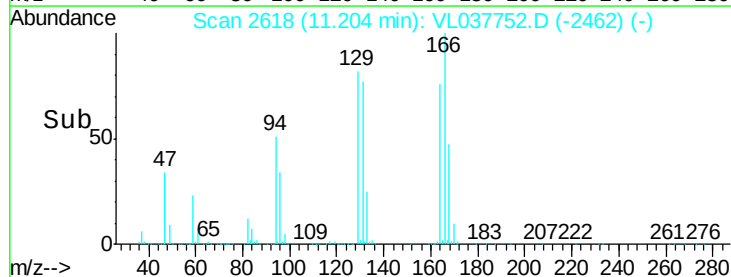
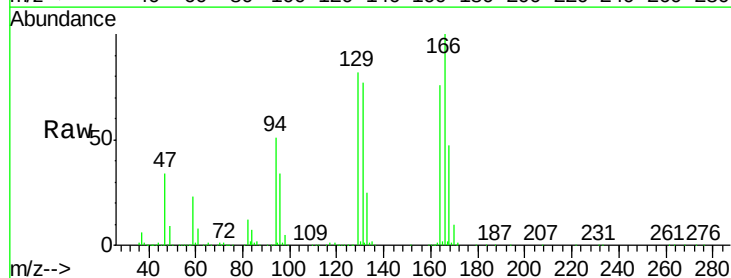
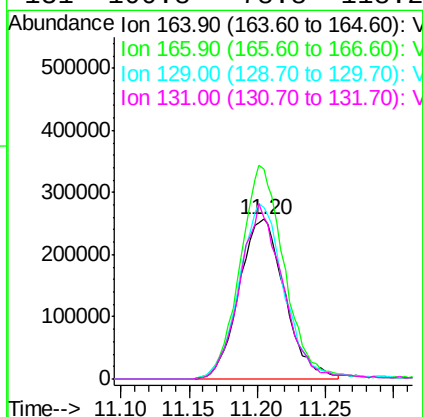
Manual Integrations
 APPROVED

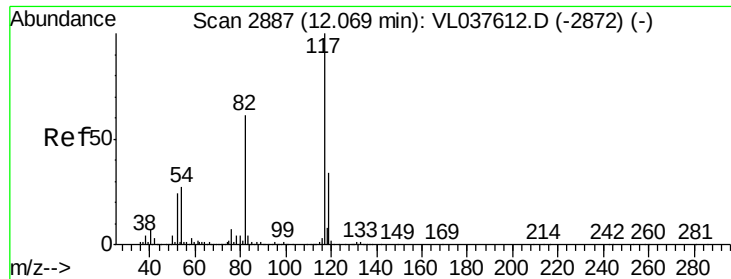
apatel
 10/14/2021 6:07:37 AM



#52
 Tetrachloroethene
 Concen: 4.586 ppbv
 RT: 11.20 min Scan# 2618
 Delta R.T. 0.00 min
 Lab File: VL037752.D
 Acq: 1 Oct 2021 21:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.2	151.8
129	107.3	84.0	126.0
131	100.8	78.8	118.2





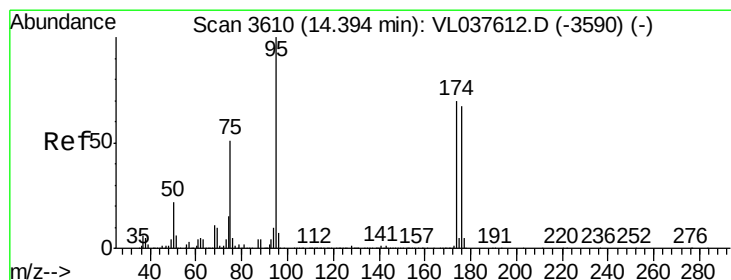
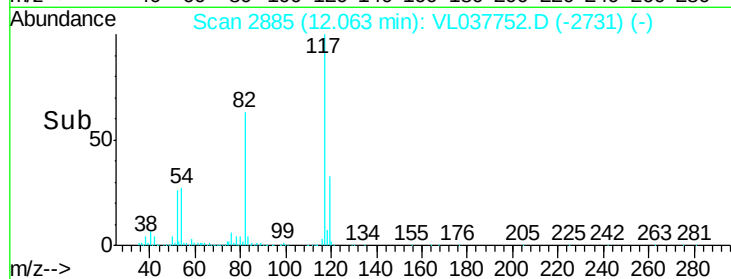
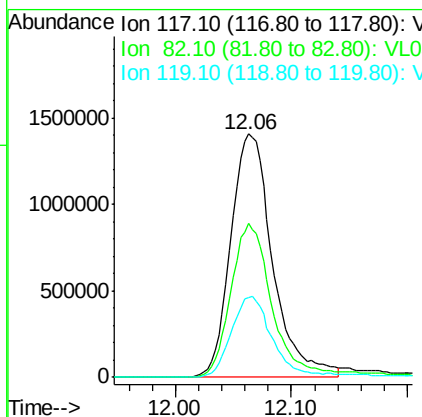
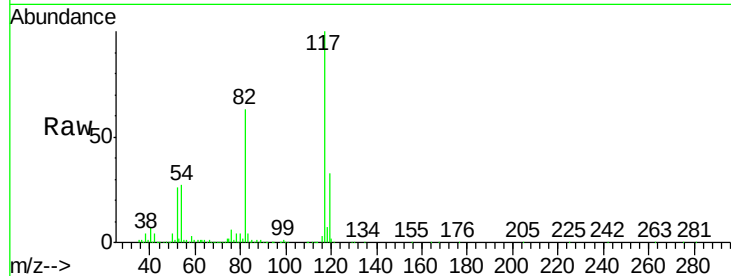
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
C0P01DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	50.6	75.8
119	34.5	26.2	39.2

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:37 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.109 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.00 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	56.3	84.5
175	5.1	4.4	6.6

