

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037783.D
 Acq On : 5 Oct 2021 21:15
 Operator : SY/AP
 Sample : M4012-11DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P07DL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 7:36:30 PM

Quant Time: Oct 06 06:16:45 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	1271002	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3698954	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3166007	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2211002m	9.99	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.86	43	31598m	0.277	ppbv	
20) Methylene Chloride	4.33	84	24570m	0.426	ppbv	
38) Trichloroethene	7.81	130	14157m	0.113	ppbv	
52) Tetrachloroethene	11.19	164	1476671	12.013	ppbv	96

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

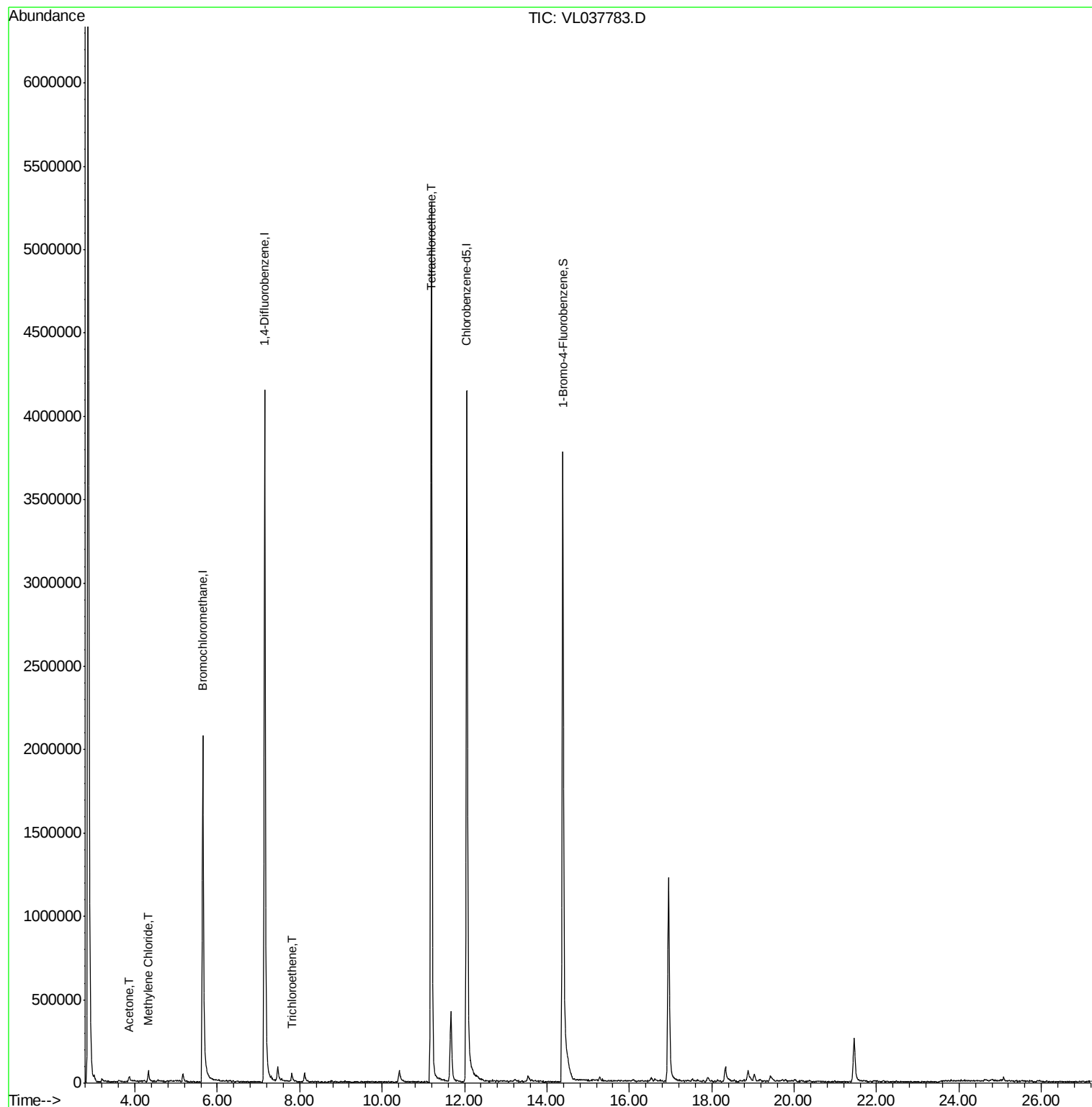
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037783.D
Acq On : 5 Oct 2021 21:15
Operator : SY/AP
Sample : M4012-11DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

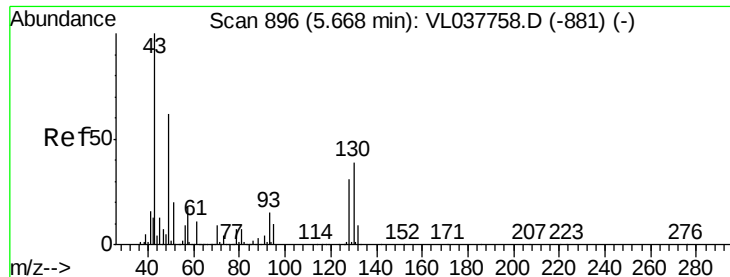
Instrument :
MSVOA_L
ClientSampleId :
C0P07DL

Manual Integrations
APPROVED

MMDadoda
10/11/2021 7:36:30 PM

Quant Time: Oct 06 06:16:45 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: VL037783.D

Acq: 5 Oct 2021 21:15

Instrument :

MSVOA_L

ClientSampled :

C0P07DL

Tgt Ion: 49 Resp: 1271002

Ion Ratio Lower Upper

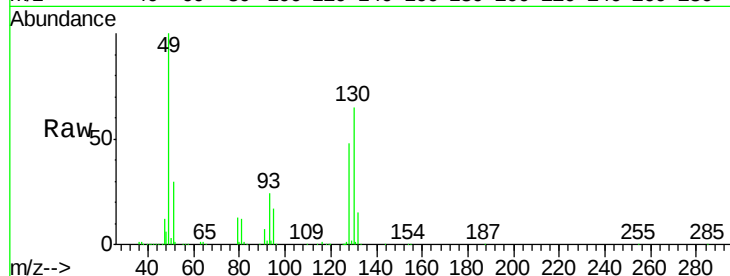
49 100

128 53.1 27.1 81.3

130 66.9 33.2 99.6

Manual Integrations
APPROVED

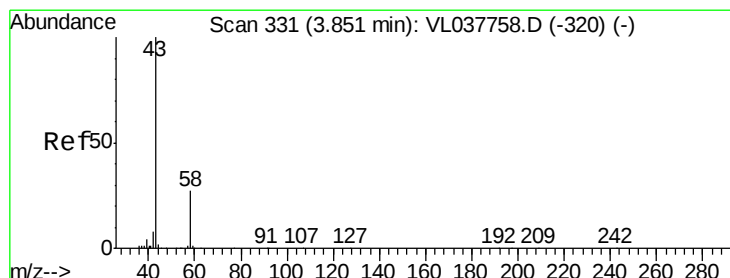
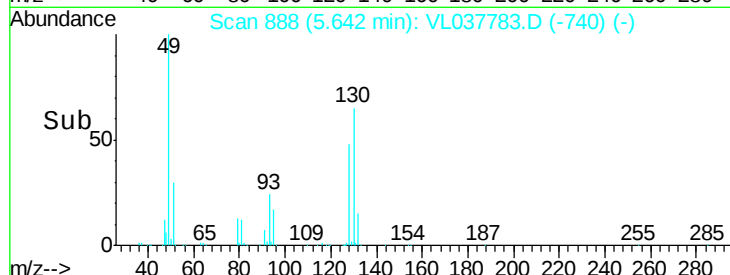
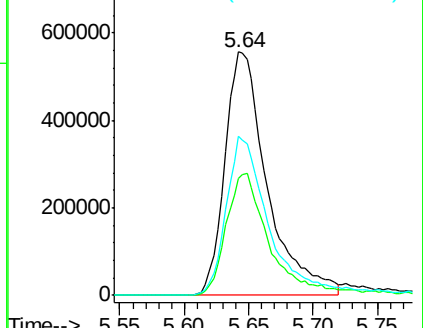
MMDadoda
10/11/2021 7:36:30 PM



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



#15

Acetone

Concen: 0.277 ppbv m

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL037783.D

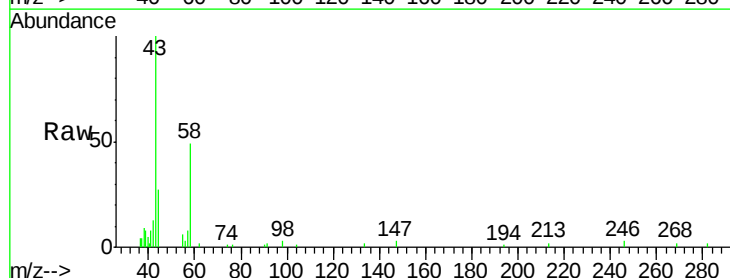
Acq: 5 Oct 2021 21:15

Tgt Ion: 43 Resp: 31598

Ion Ratio Lower Upper

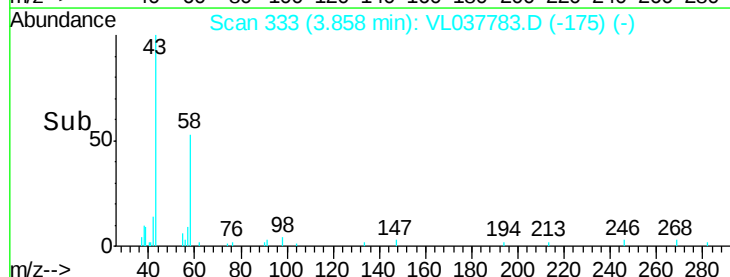
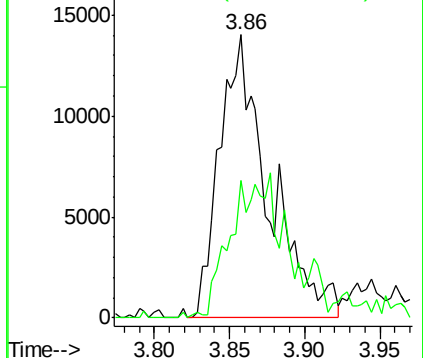
43 100

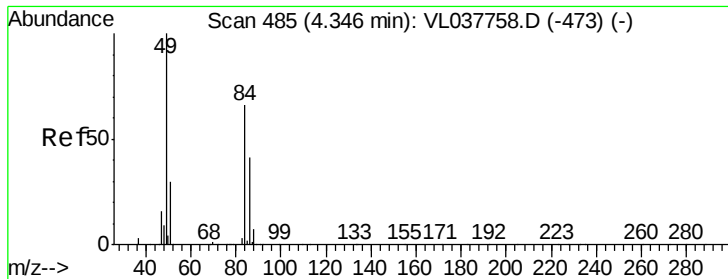
58 0.0 23.0 34.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





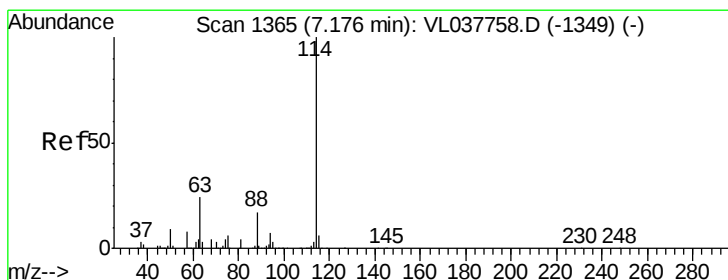
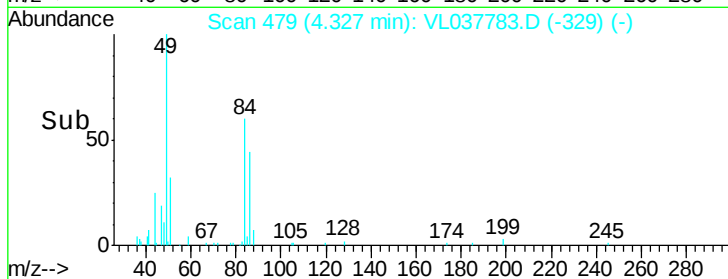
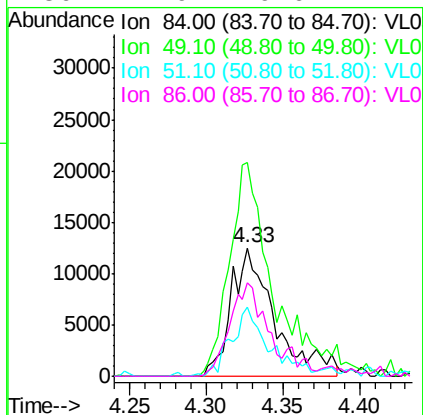
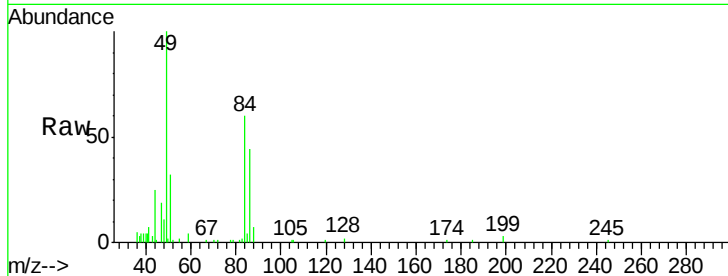
#20
Methylene Chloride
Concen: 0.426 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL037783.D
Acq: 5 Oct 2021 21:15

Instrument :
MSVOA_L
ClientSampleId :
C0P07DL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.5	120.7	181.1
51	54.0	36.2	54.4
86	72.9	49.6	74.4

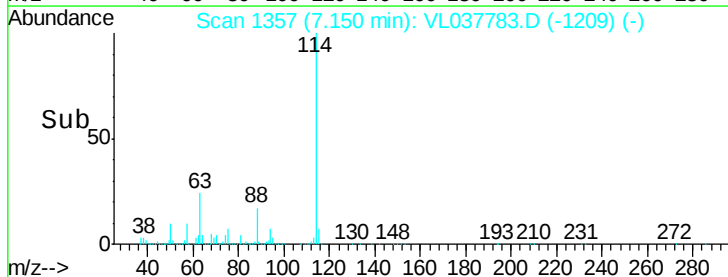
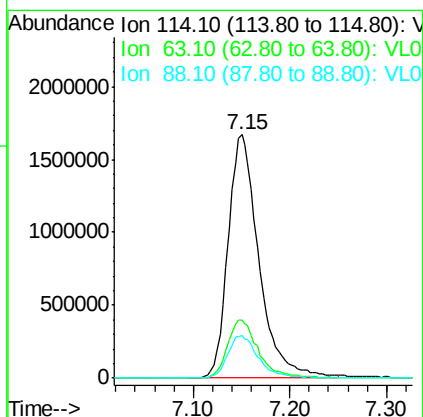
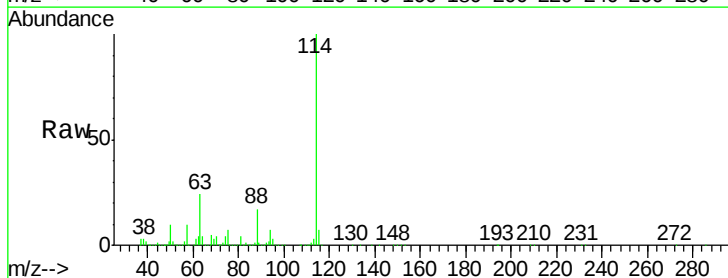
Manual Integrations
APPROVED

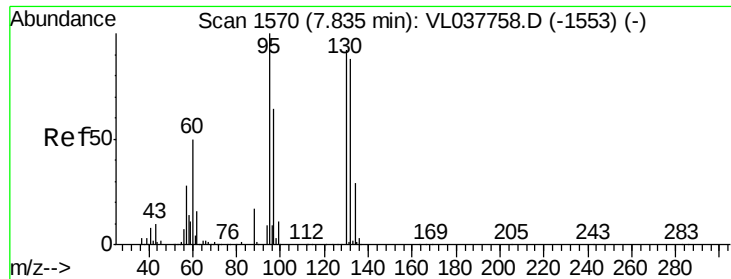
MMDadoda
10/11/2021 7:36:30 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL037783.D
Acq: 5 Oct 2021 21:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.2
88	17.6	14.4	21.6





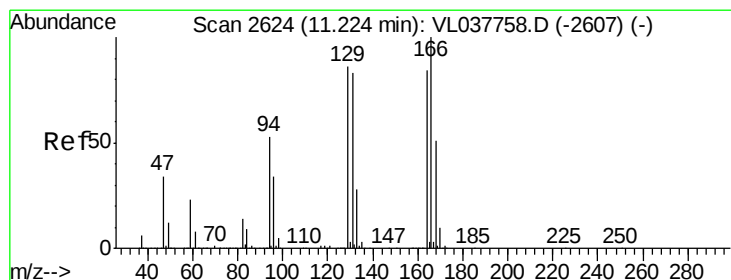
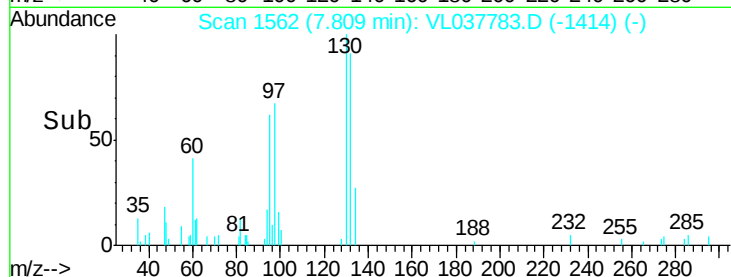
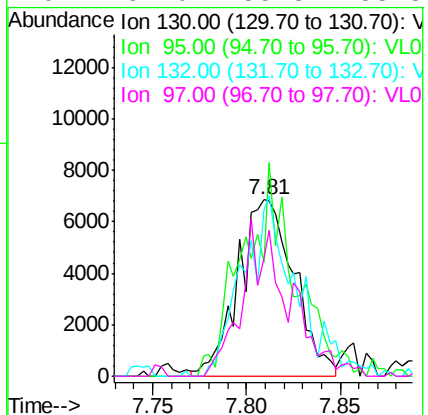
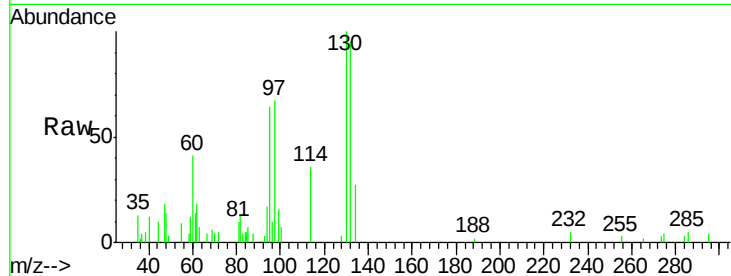
#38
 Trichloroethene
 Concen: 0.113 ppbv m
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: VL037783.D
 Acq: 5 Oct 2021 21:15

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P07DL

Tgt Ion	Ratio	Lower	Upper
130	100		
95	64.4	87.4	131.0#
132	94.7	76.8	115.2
97	67.0	55.8	83.8

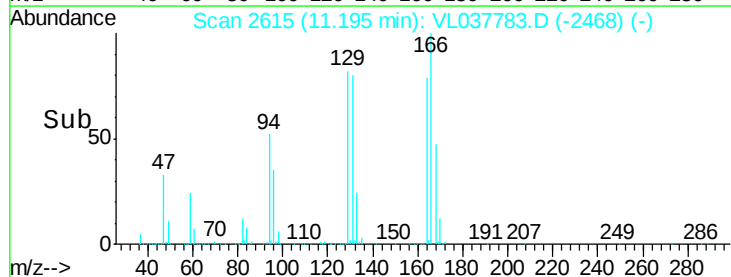
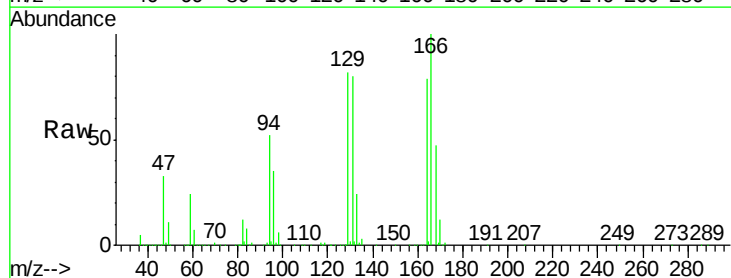
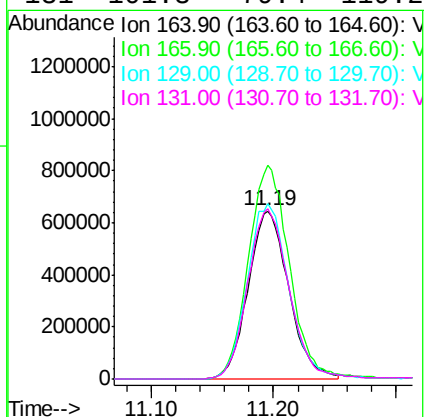
Manual Integrations
 APPROVED

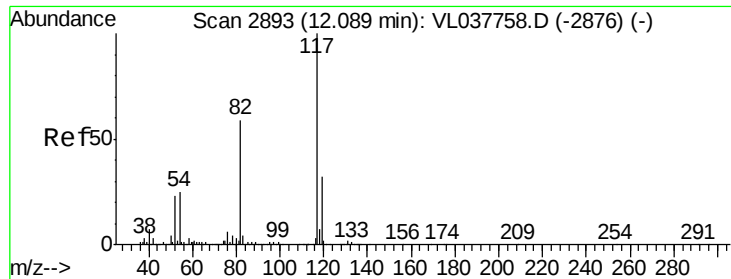
MMDadoda
 10/11/2021 7:36:30 PM



#52
 Tetrachloroethene
 Concen: 12.013 ppbv
 RT: 11.19 min Scan# 2615
 Delta R.T. -0.03 min
 Lab File: VL037783.D
 Acq: 5 Oct 2021 21:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	95.4	143.2
129	104.8	82.2	123.4
131	101.3	79.4	119.2





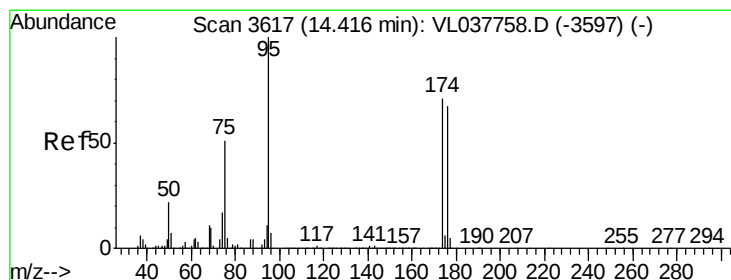
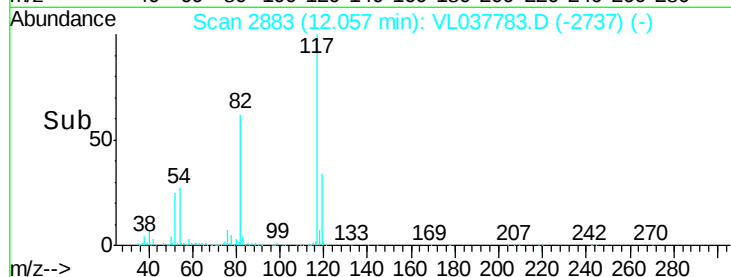
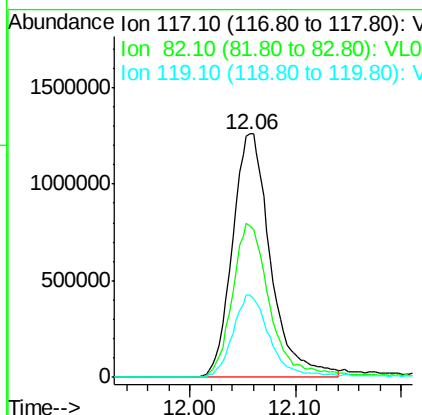
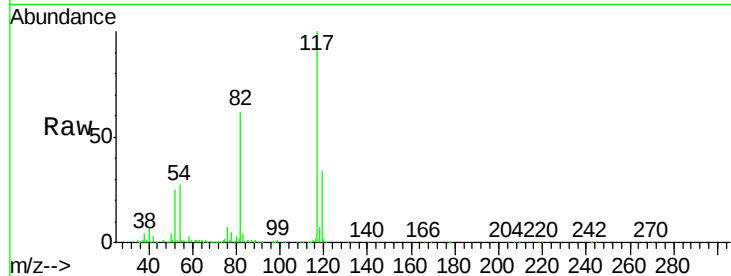
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.03 min
Lab File: VL037783.D
Acq: 5 Oct 2021 21:15

Instrument :
MSVOA_L
ClientSampleId :
C0P07DL

Tgt Ion: 117 Resp: 3166007
Ion Ratio Lower Upper
117 100
82 64.5 52.2 78.2
119 33.7 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
10/11/2021 7:36:30 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.986 ppbv m
RT: 14.38 min Scan# 3607
Delta R.T. -0.03 min
Lab File: VL037783.D
Acq: 5 Oct 2021 21:15

Tgt Ion: 95 Resp: 2211002
Ion Ratio Lower Upper
95 100
174 74.3 57.8 86.6
175 5.3 4.7 7.1

