

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036340.D
 Acq On : 11 Feb 2021 8:33
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:53 PM

Quant Time: Feb 11 21:18:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1615823	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3507454	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3292740	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2631559	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	37300	0.189	ppbv	# 17
20) Methylene Chloride	4.33	84	10973m	0.172	ppbv	
35) Carbon Tetrachloride	6.99	117	15454m	0.066	ppbv	

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

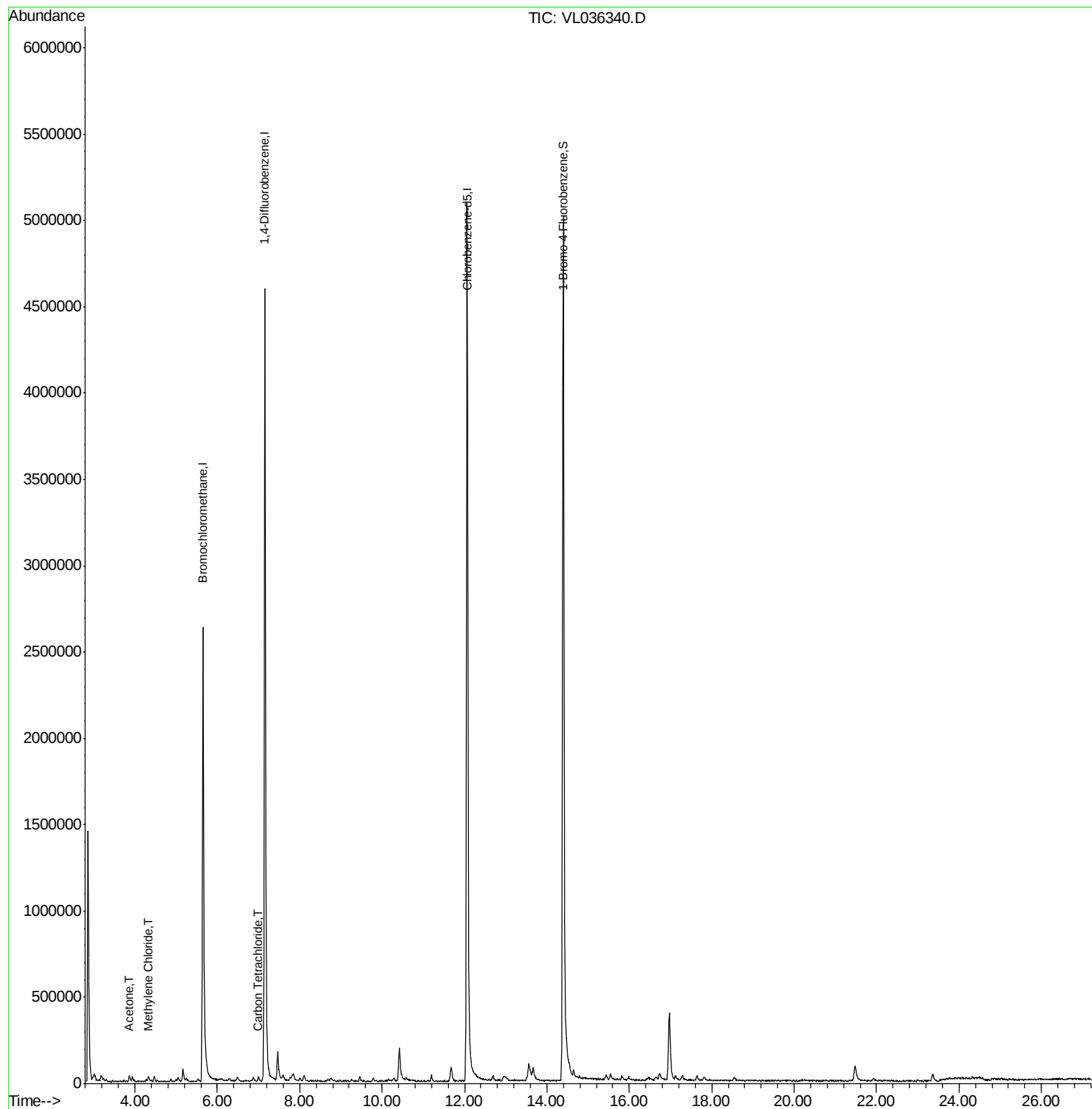
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
Data File : VL036340.D
Acq On : 11 Feb 2021 8:33
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

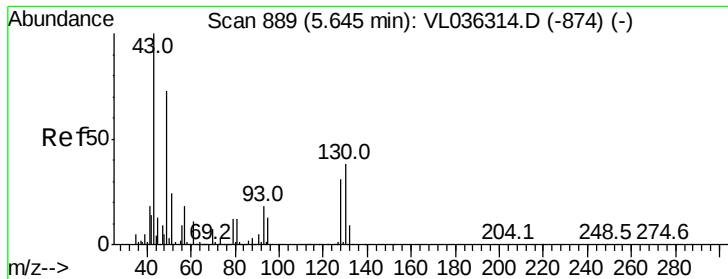
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Manual Integrations
APPROVED

MMDadoda
2/12/2021 1:42:53 PM

Quant Time: Feb 11 21:18:54 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036340.D

Acq: 11 Feb 2021 8:33

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 49 Resp: 1615823

Ion Ratio Lower Upper

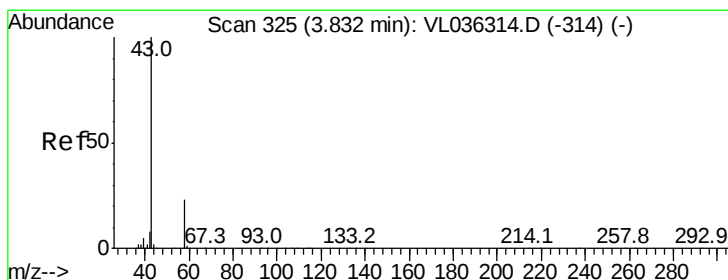
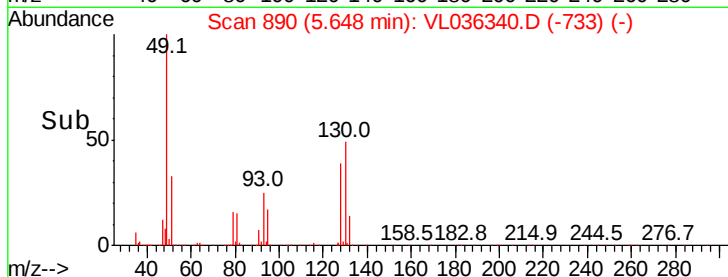
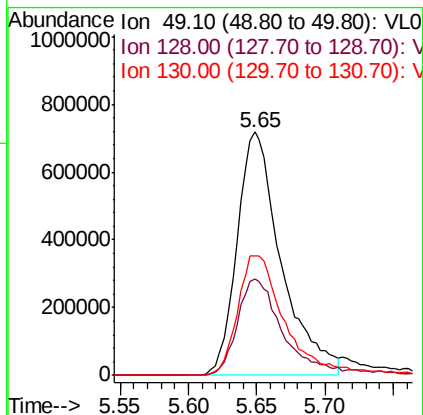
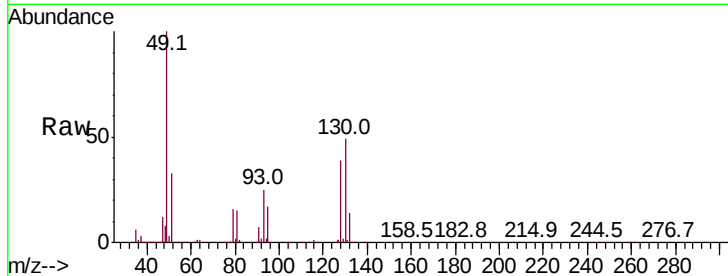
49 100

128 42.5 20.8 62.5

130 55.1 26.7 80.1

Manual Integrations
APPROVED

MMDadoda
2/12/2021 1:42:53 PM



#15

Acetone

Concen: 0.189 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.03 min

Lab File: VL036340.D

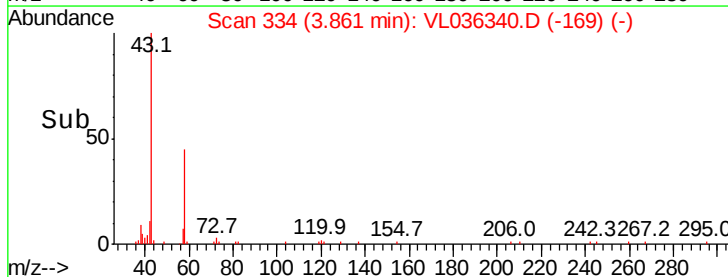
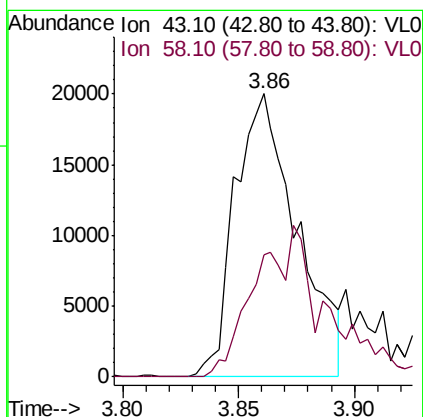
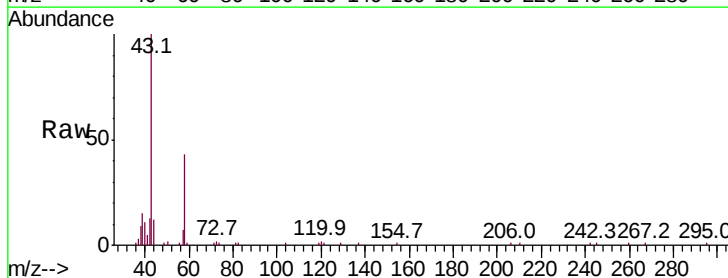
Acq: 11 Feb 2021 8:33

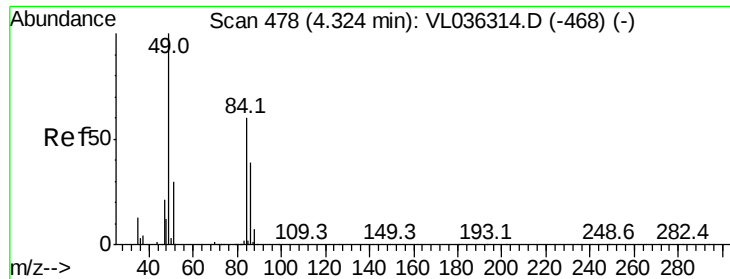
Tgt Ion: 43 Resp: 37300

Ion Ratio Lower Upper

43 100

58 67.5 20.3 30.5#





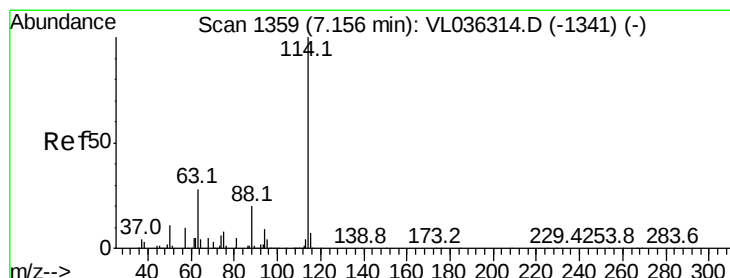
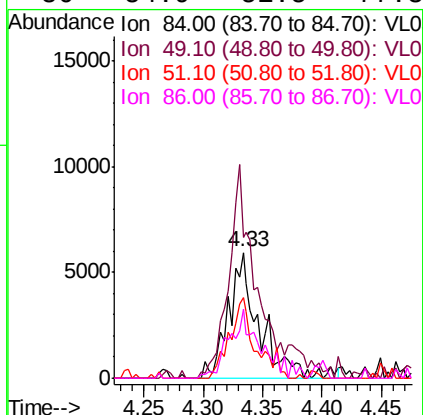
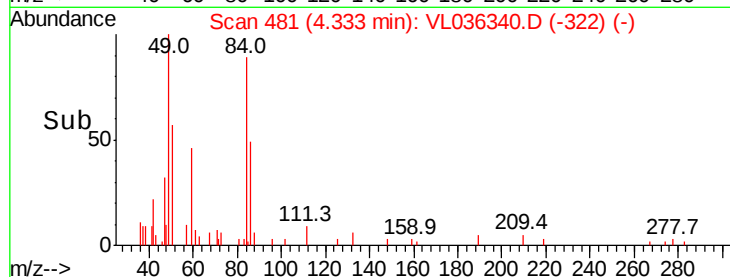
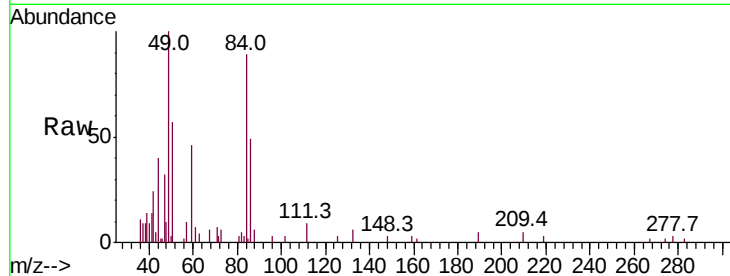
#20
Methylene Chloride
Concen: 0.172 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036340.D
Acq: 11 Feb 2021 8:33

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion	Ratio	Lower	Upper
84	100		
49	112.6	133.8	200.8#
51	64.2	41.4	62.0#
86	54.9	51.5	77.3

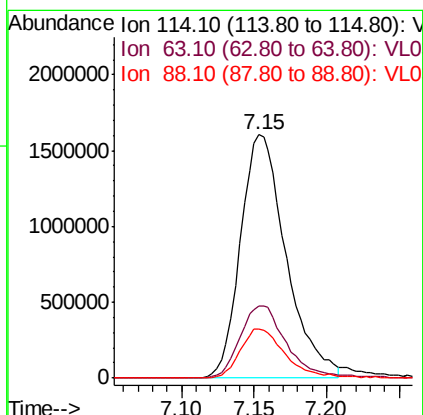
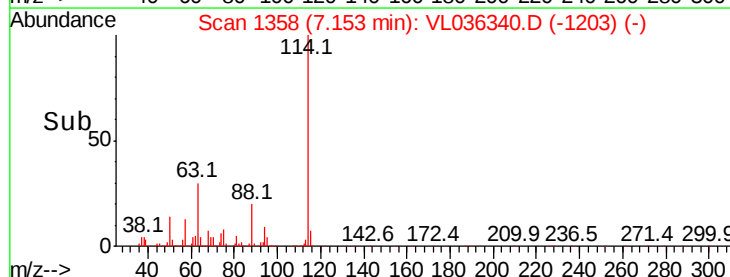
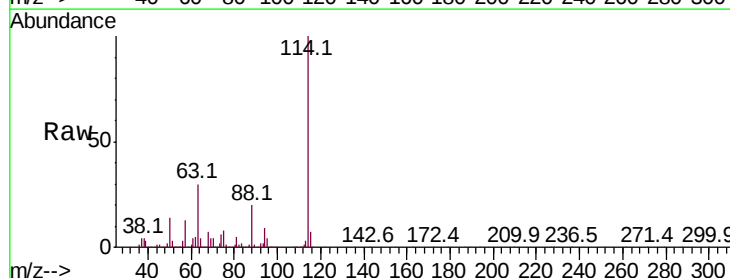
Manual Integrations
APPROVED

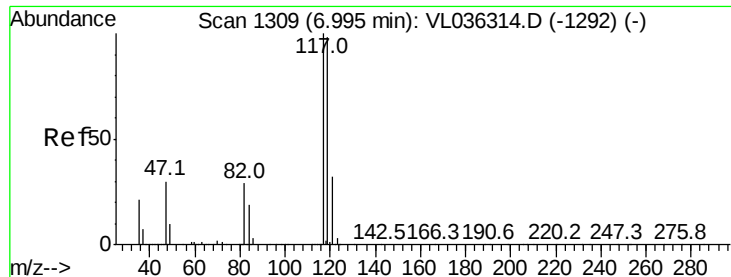
MMDadoda
2/12/2021 1:42:53 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL036340.D
Acq: 11 Feb 2021 8:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	31.0	24.1	36.1
88	20.4	16.0	24.0





#35

Carbon Tetrachloride

Concen: 0.066 ppbv m

RT: 6.99 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL036340.D

Acq: 11 Feb 2021 8:33

Instrument :

MSVOA_L

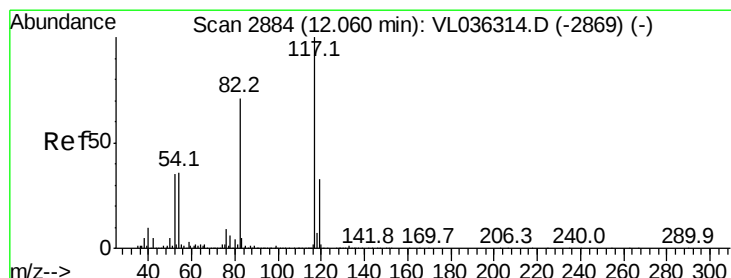
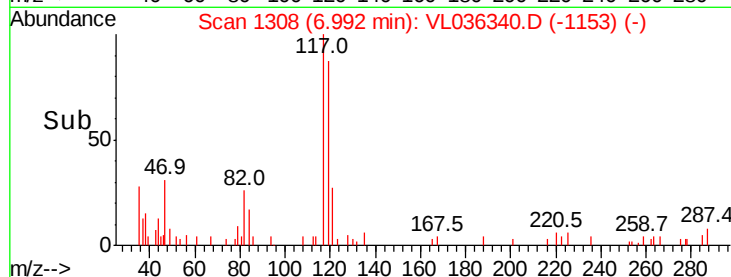
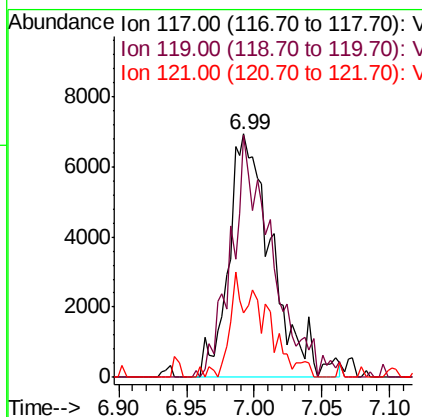
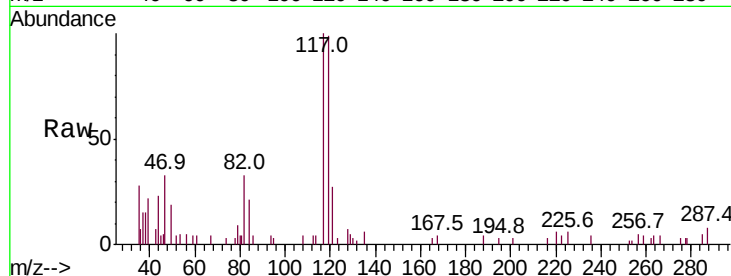
ClientSampleId :

VIBLK

Tot Ion:	117	Resp:	15454
Ion Ratio	Lower	Upper	
117	100		
119	99.4	78.1	117.1
121	26.7	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
2/12/2021 1:42:53 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

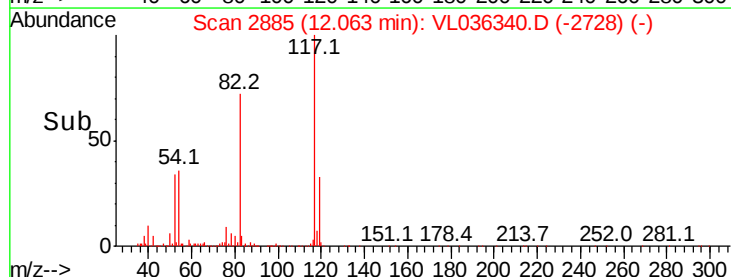
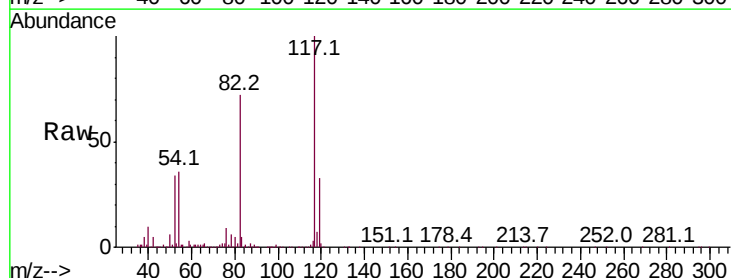
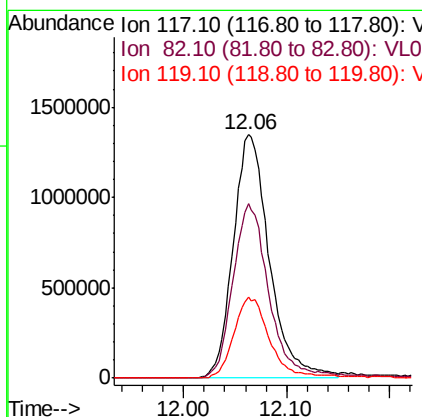
RT: 12.06 min Scan# 2885

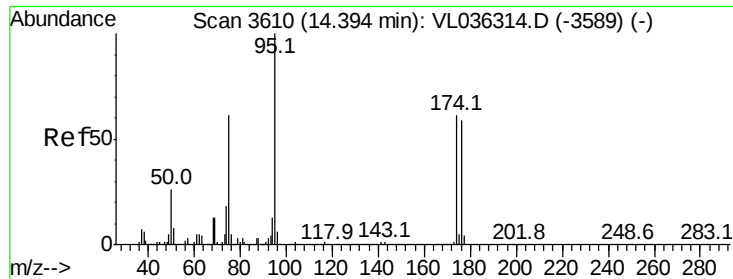
Delta R.T. 0.00 min

Lab File: VL036340.D

Acq: 11 Feb 2021 8:33

Tgt Ion:	117	Resp:	3292740
Ion Ratio	Lower	Upper	
117	100		
82	73.8	59.1	88.7
119	33.1	46.3	69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.714 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL036340.D

Acq: 11 Feb 2021 8:33

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 2631559

Ion Ratio Lower Upper

95 100

174 64.9 49.8 74.6

175 4.6 3.7 5.5

Manual Integrations
APPROVED

MMDadoda
2/12/2021 1:42:53 PM

