

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035325.D
 Acq On : 3 Aug 2020 22:58
 Operator : SY/AP
 Sample : L3540-01DL 120X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:45:24 PM

Quant Time: Aug 04 12:10:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1149601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2922091	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2734652	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2284073	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.31	84	50821	0.669	ppbv #	90
27) Carbon Disulfide	4.52	76	13605934	89.880	ppbv #	69
36) Benzene	6.89	78	35646m	0.166	ppbv	

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

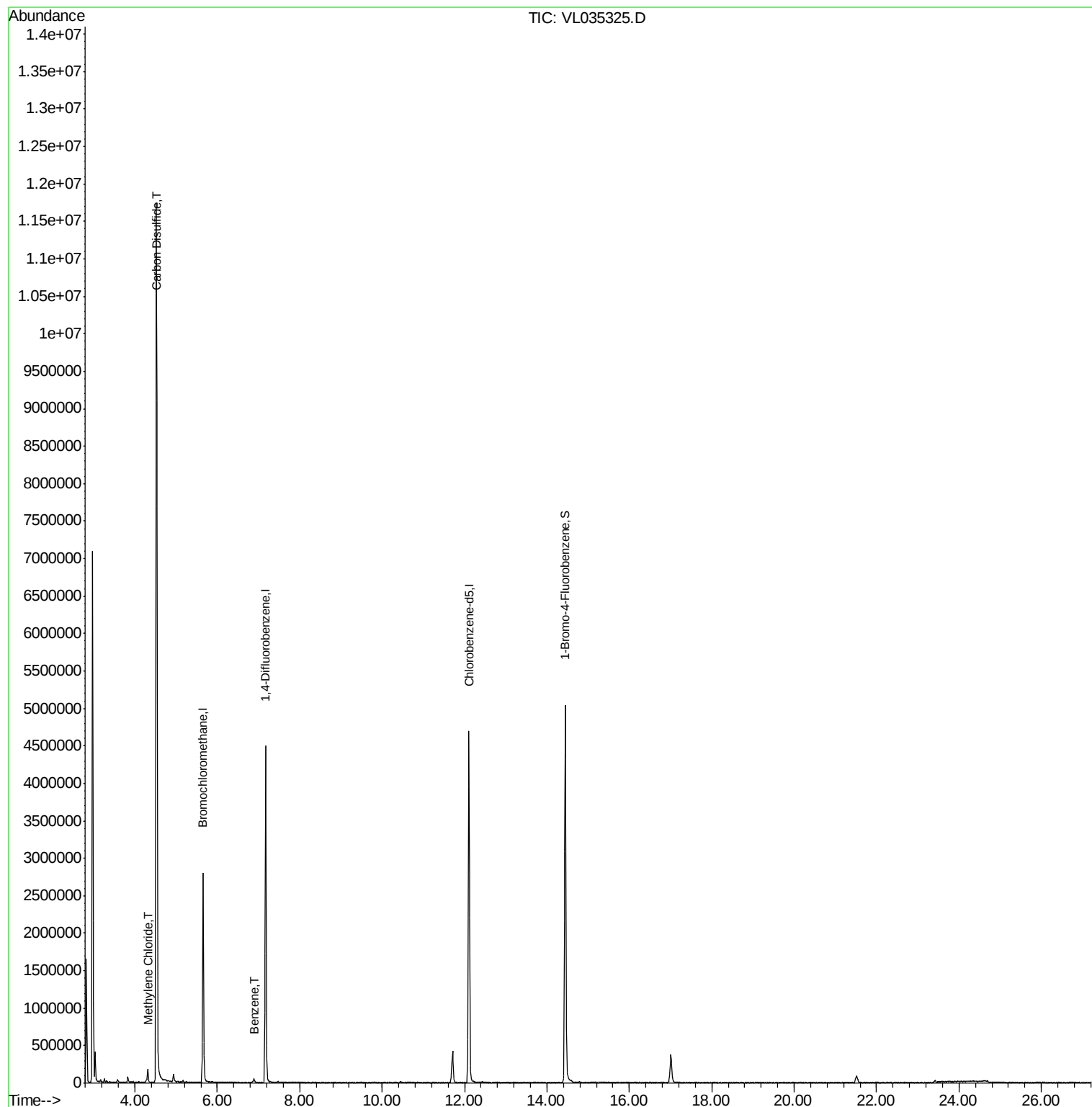
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080320\
Data File : VL035325.D
Acq On : 3 Aug 2020 22:58
Operator : SY/AP
Sample : L3540-01DL 120X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

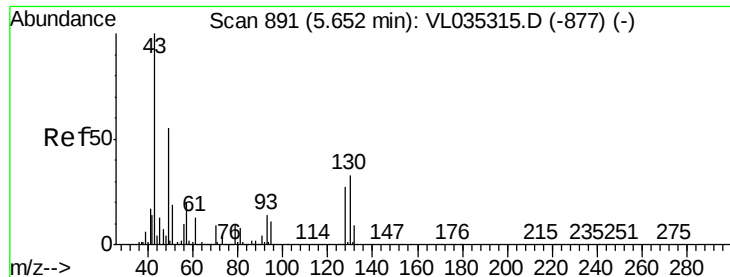
Instrument :
MSVOA_L
ClientSampleId :
LAGCARB-IN-01

Manual Integrations
APPROVED

apatel
8/6/2020 2:45:24 PM

Quant Time: Aug 04 12:10:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug
QLast Update : Tue Aug 04 05:31:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 49 Resp: 1149601

Ion Ratio Lower Upper

49 100

128 52.1 23.8 71.5

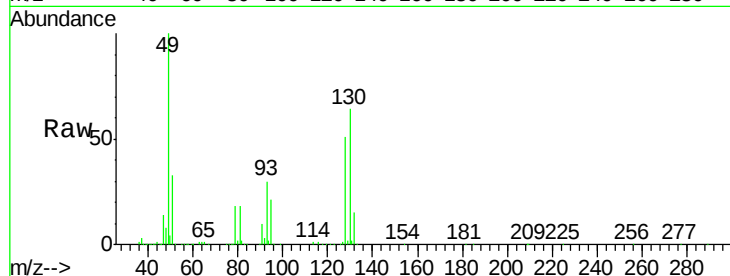
130 66.5 31.4 94.3

Manual Integrations

APPROVED

apatel

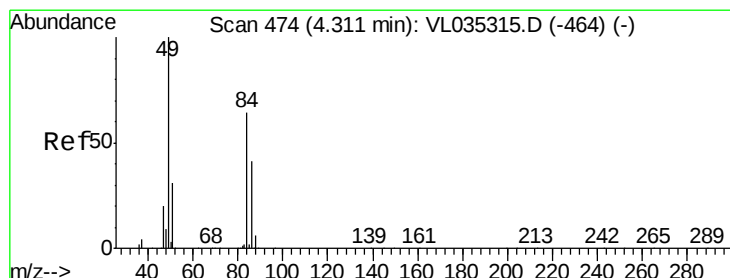
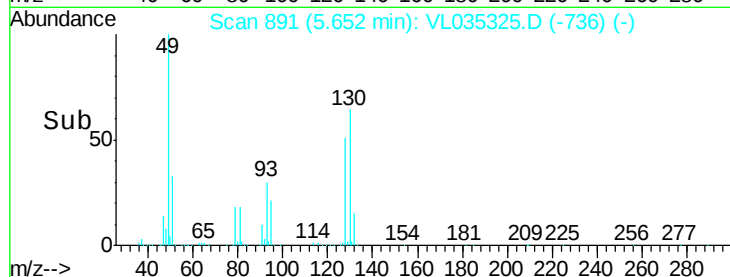
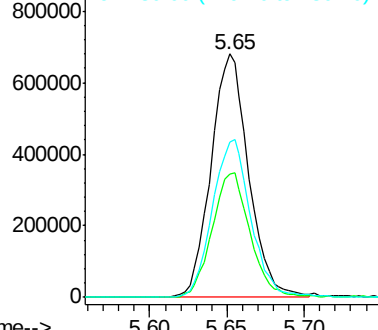
8/6/2020 2:45:24 PM



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



#20

Methylene Chloride

Concen: 0.669 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Tgt Ion: 84 Resp: 50821

Ion Ratio Lower Upper

84 100

49 140.1 124.2 186.2

51 59.6 38.6 58.0#

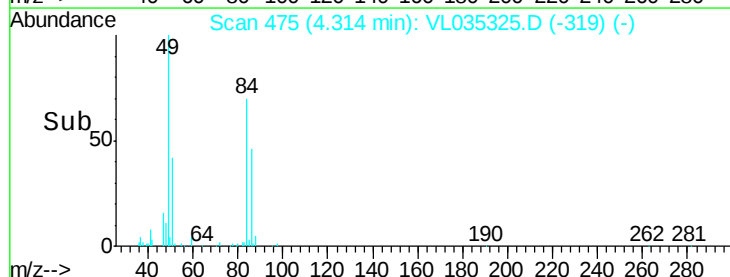
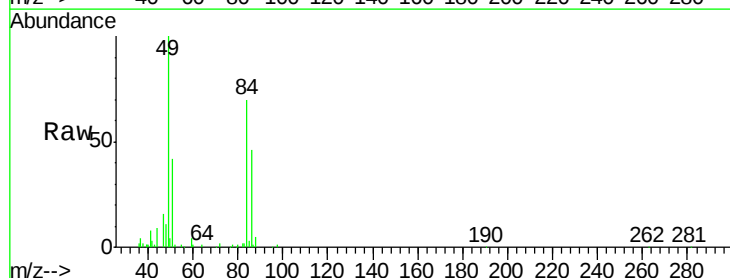
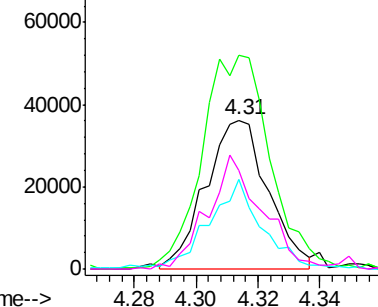
86 64.0 51.0 76.4

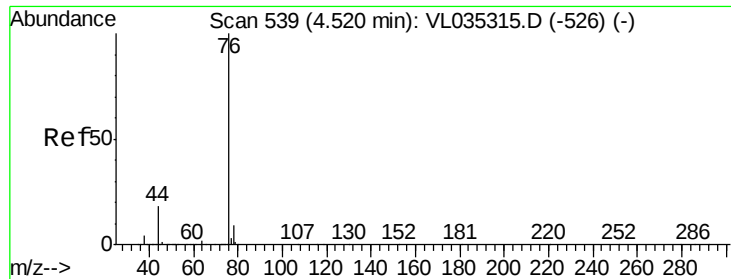
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#27

Carbon Disulfide

Concen: 89.880 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 76 Resp:13605934

Ion Ratio Lower Upper

76 100

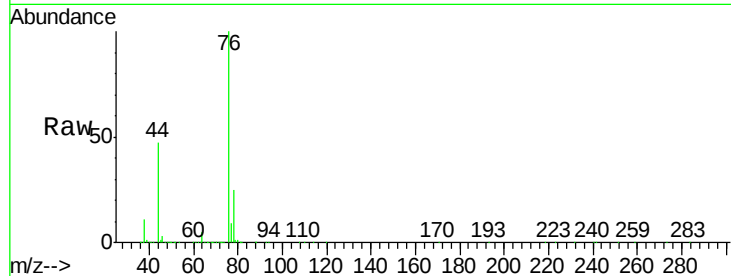
44 34.8 14.8 22.2#

78 17.9 7.8 11.8#

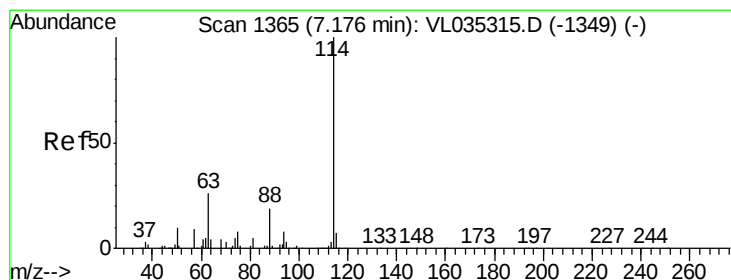
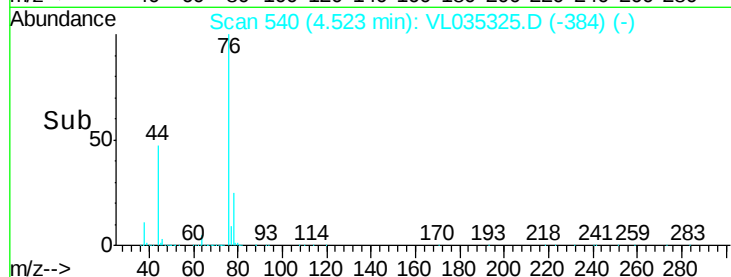
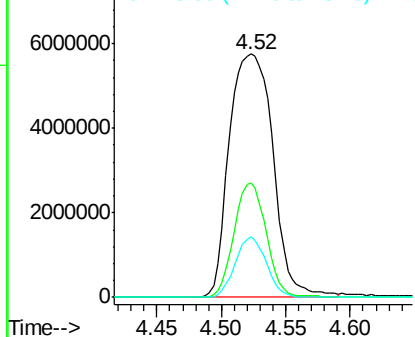
Manual Integrations
APPROVED

apatel

8/6/2020 2:45:24 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

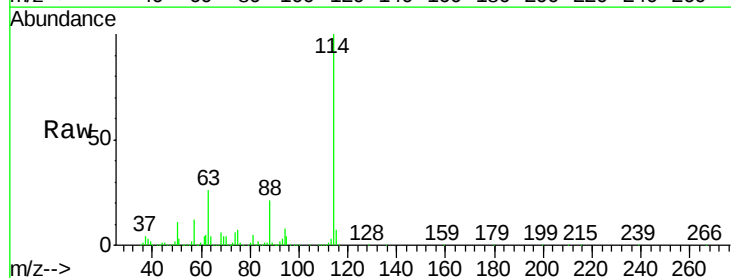
Tgt Ion:114 Resp: 2922091

Ion Ratio Lower Upper

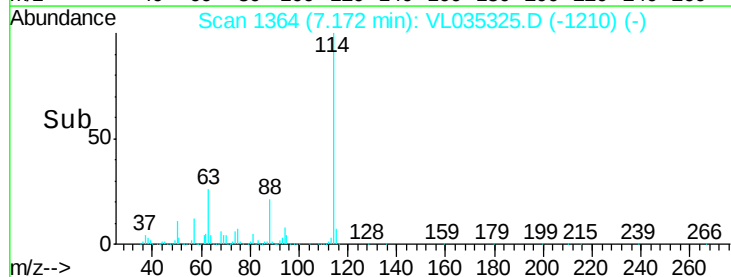
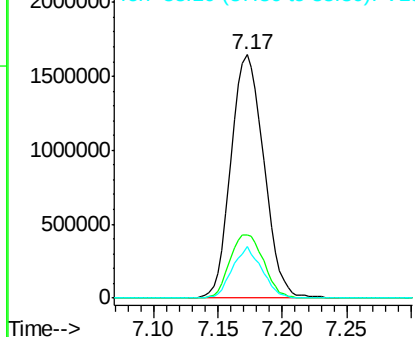
114 100

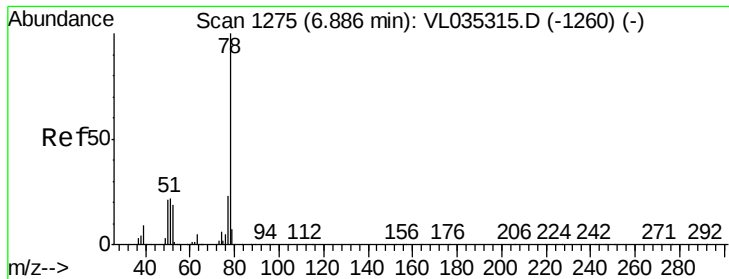
63 27.0 21.5 32.3

88 19.1 15.3 22.9



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.166 ppbv m

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

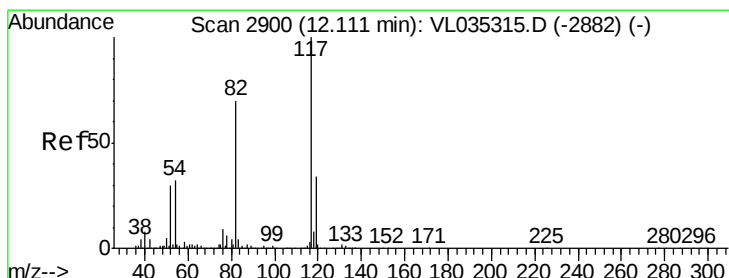
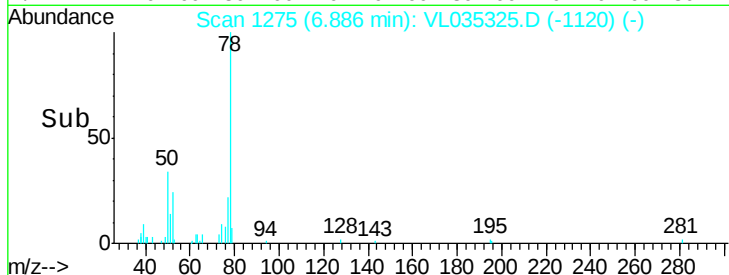
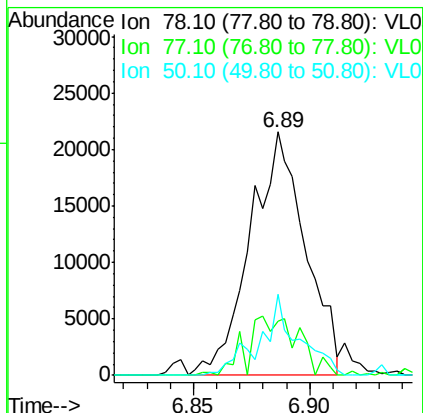
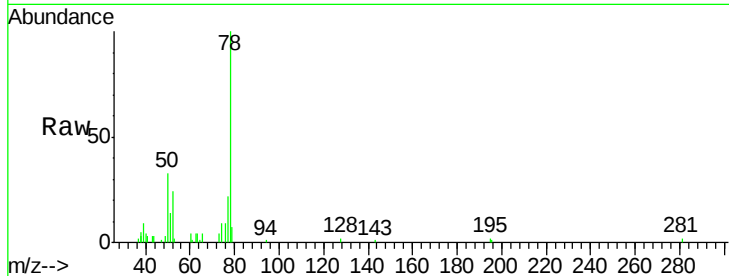
ClientSampleId :

LAGCARB-IN-01

Tot Ion:	78	Resp:	35646
Ion Ratio	Lower	Upper	
78	100		
77	22.3	18.4	27.6
50	33.4	16.6	25.0#

Manual Integrations
APPROVED

apatel
8/6/2020 2:45:24 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

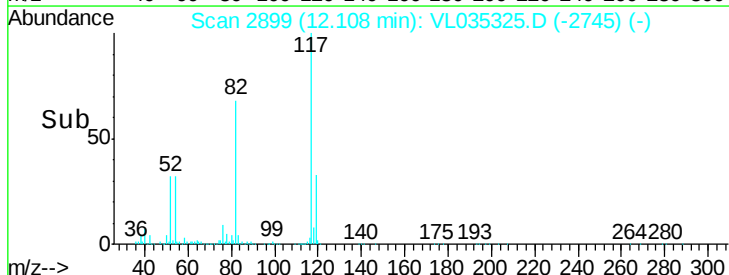
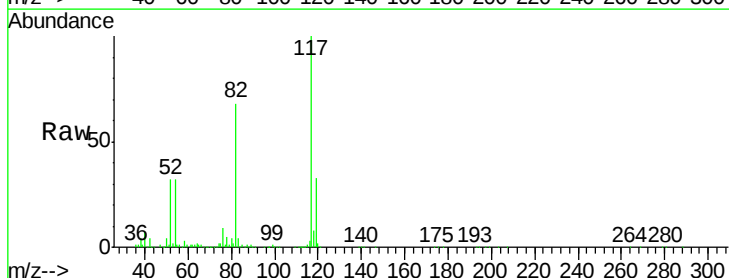
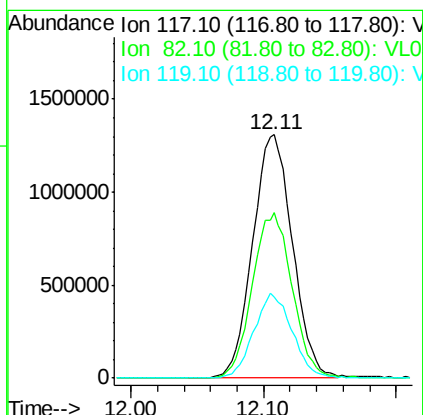
RT: 12.11 min Scan# 2899

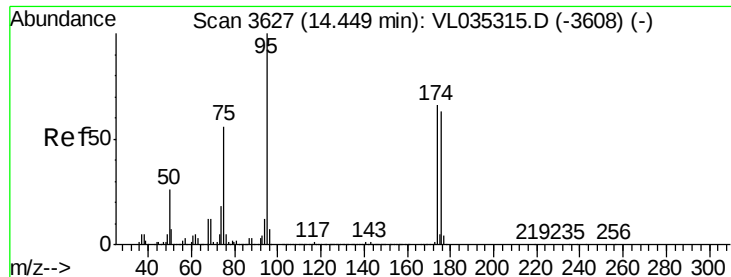
Delta R.T. -0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Tgt Ion:	117	Resp:	2734652
Ion Ratio	Lower	Upper	
117	100		
82	68.1	50.6	76.0
119	33.5	24.1	36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.971 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL035325.D
 Acq: 3 Aug 2020 22:58

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

Tot Ion:	95	Resp:	2284073
Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.5	78.7
175	4.8	3.9	5.9

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:45:24 PM

