

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111919\
 Data File : VL034397.D
 Acq On : 20 Nov 2019 2:49
 Operator : SY/AP
 Sample : K5924-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 3:54:22 PM

Quant Time: Nov 20 06:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 20
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards			R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane			5.67	49	931258	10.00	ppbv	0.00
33) 1,4-Difluorobenzene			7.20	114	1803566	10.00	ppbv	0.00
55) Chlorobenzene-d5			12.14	117	1802801	10.00	ppbv	0.00
System Monitoring Compounds								
68) 1-Bromo-4-Fluorobenzene			14.48	95	1522831	10.04	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 100.40%		
Target Compounds								
13) Ethanol			3.60	45	6402m	0.424	ppbv	
15) Acetone			3.85	43	58876	0.442	ppbv	95
20) Methylene Chloride			4.34	84	10542	0.223	ppbv #	89

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

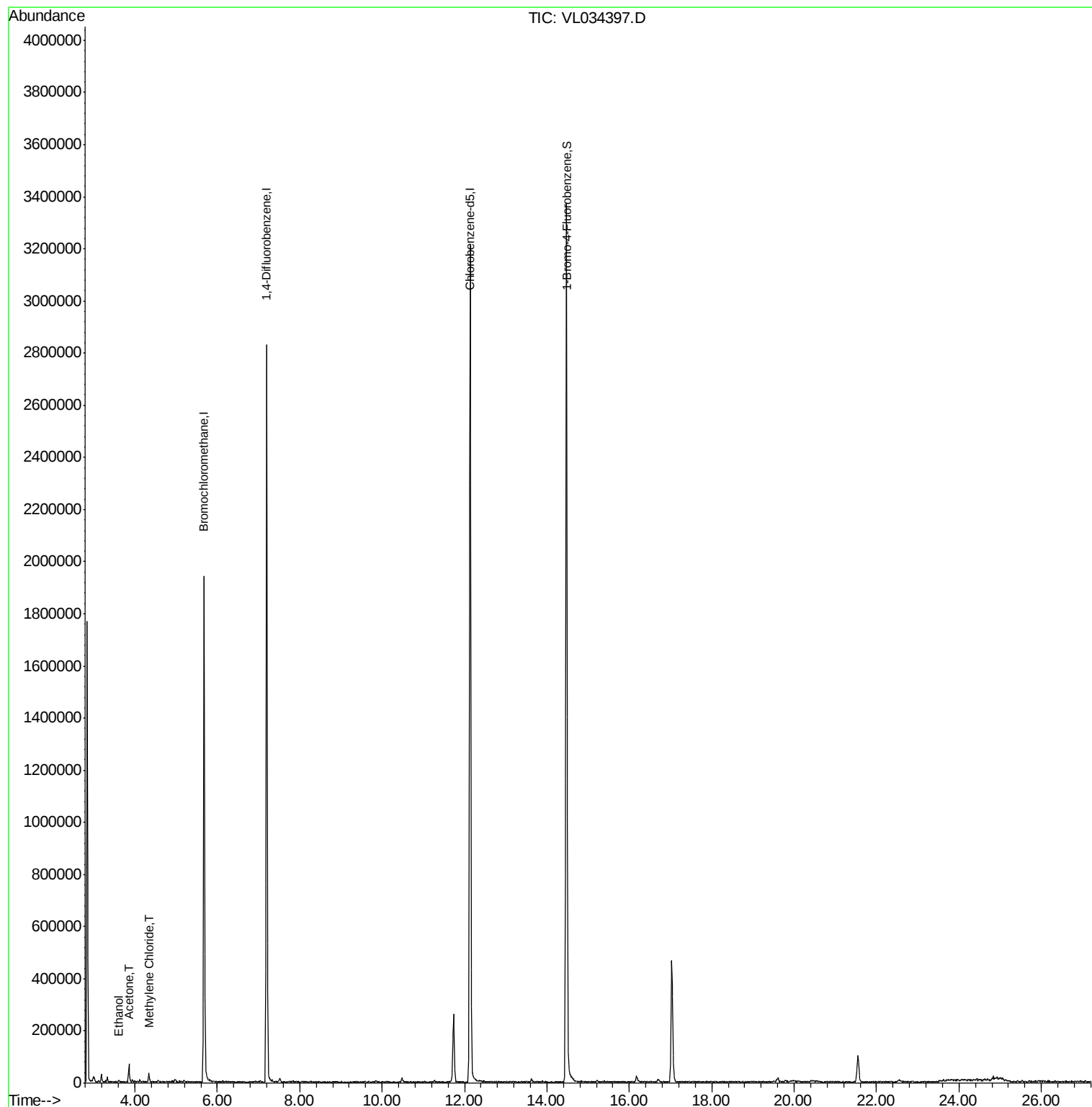
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111919\
Data File : VL034397.D
Acq On : 20 Nov 2019 2:49
Operator : SY/AP
Sample : K5924-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Manual Integrations
APPROVED

MMDadoda
11/20/2019 3:54:22 PM

Quant Time: Nov 20 06:19:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 20 03:30:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

Instrument :

MSVOA_L

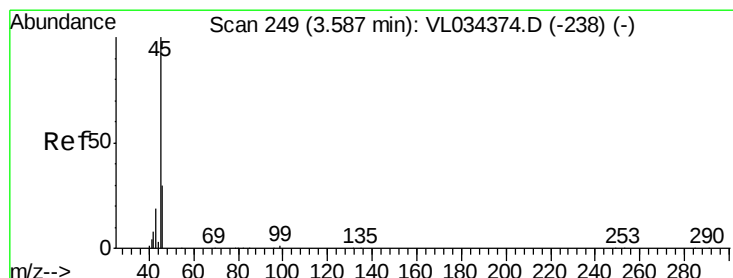
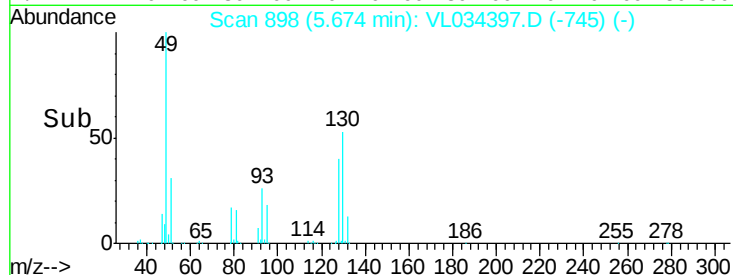
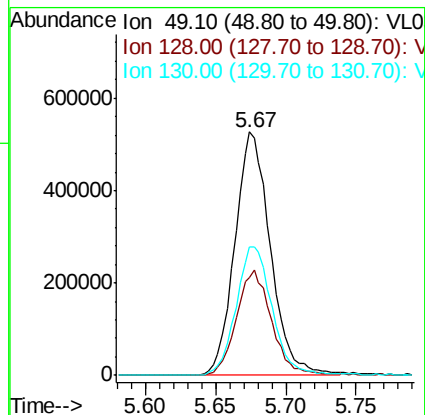
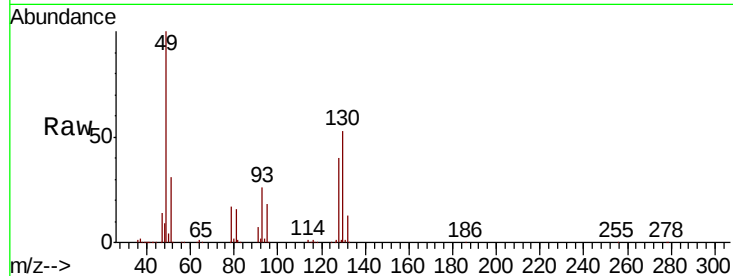
ClientSampled :

QA1DL

Tot Ion:	49	Resp:	931258
Ion Ratio	Lower	Upper	
49	100		
128	43.2	21.8	65.3
130	54.5	28.0	84.0

Manual Integrations
APPROVED

MMDadoda
11/20/2019 3:54:22 PM



#13

Ethanol

Concen: 0.424 ppbv m

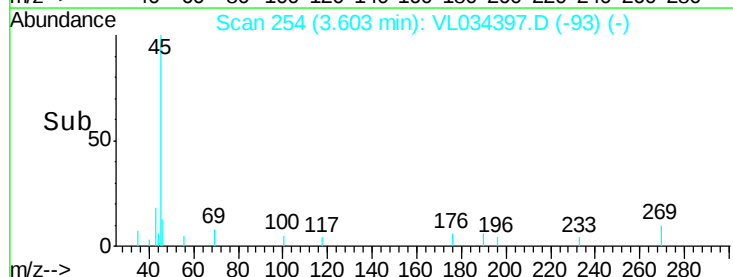
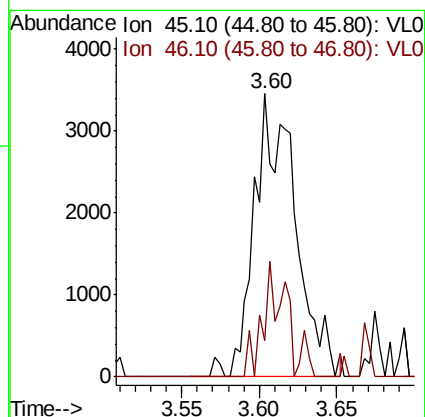
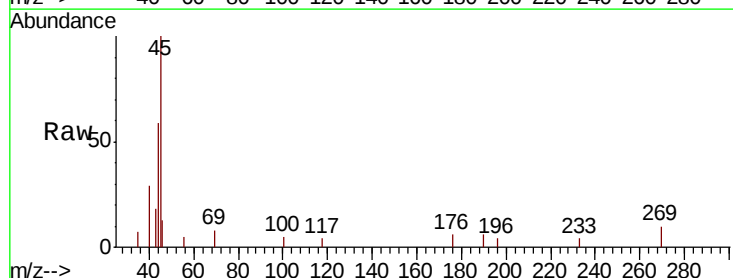
RT: 3.60 min Scan# 254

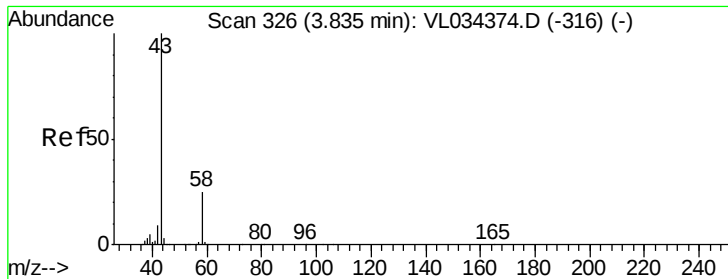
Delta R.T. 0.02 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

Tgt Ion:	45	Resp:	6402
Ion Ratio	Lower	Upper	
45	100		
46	0.0	13.8	55.4#





#15

Acetone

Concen: 0.442 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 43 Resp: 58876

Ion Ratio Lower Upper

43 100

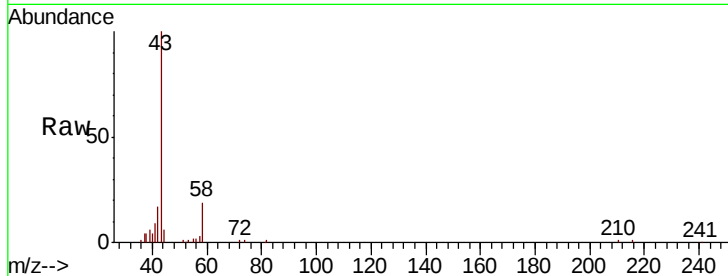
58 28.0 20.2 30.4

Manual Integrations

APPROVED

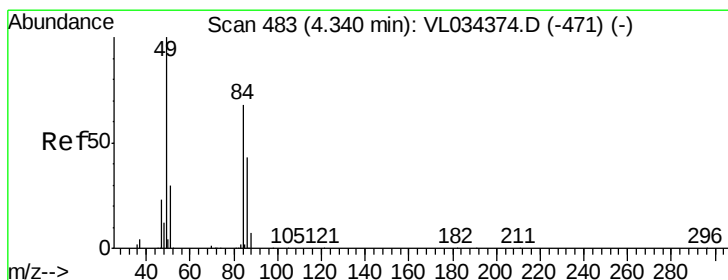
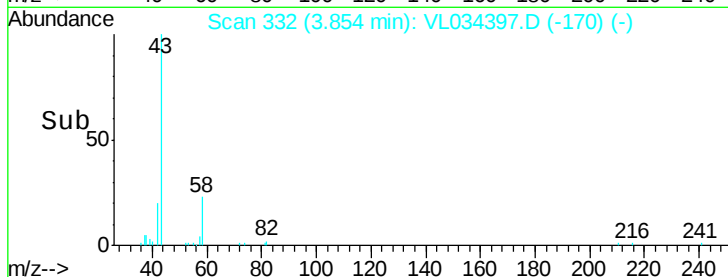
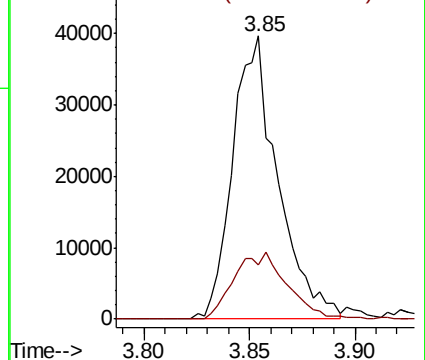
MMDadoda

11/20/2019 3:54:22 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.223 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

Tgt Ion: 84 Resp: 10542

Ion Ratio Lower Upper

84 100

49 155.9 116.8 175.2

51 34.7 35.6 53.4#

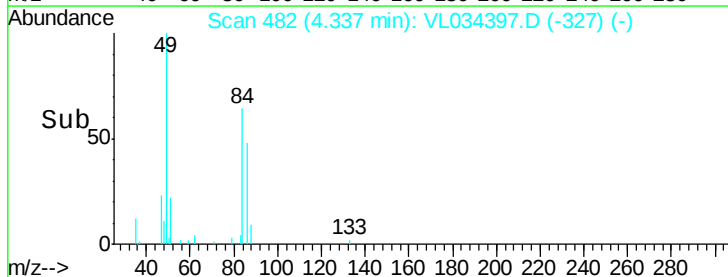
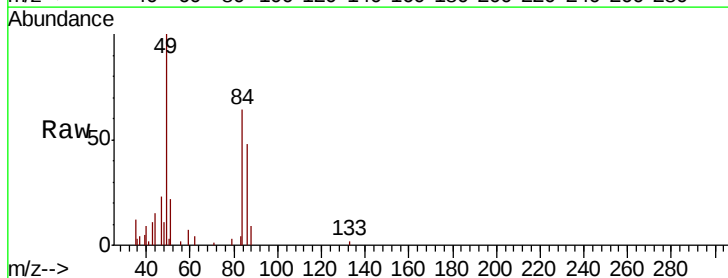
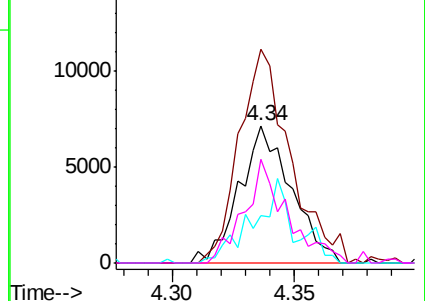
86 75.3 50.7 76.1

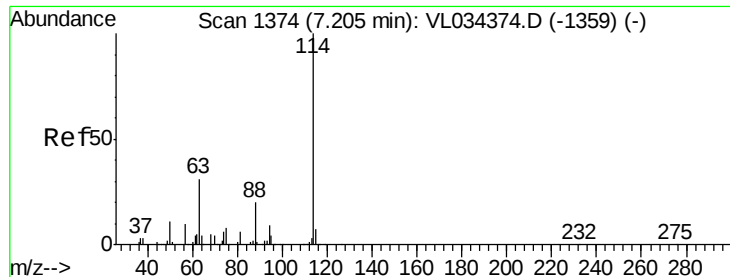
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





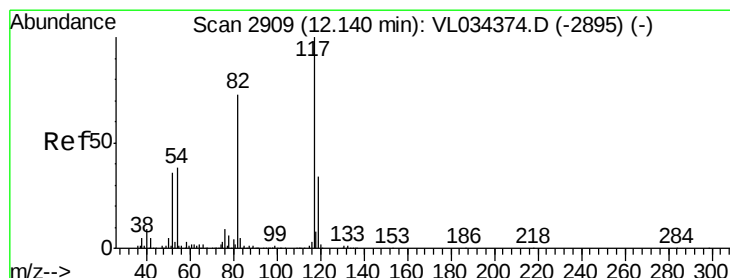
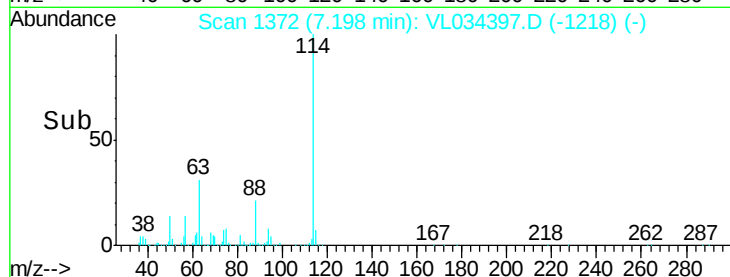
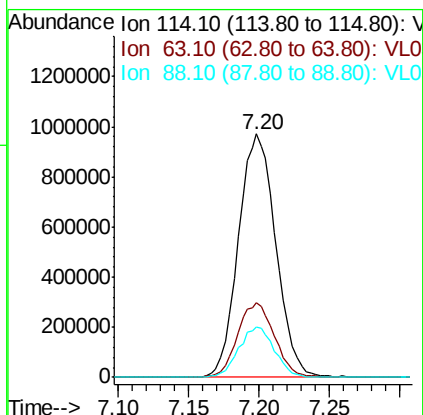
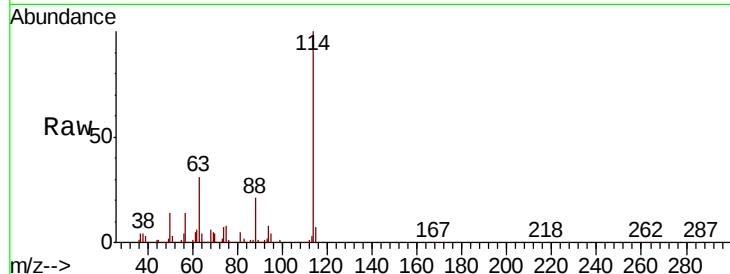
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: VL034397.D
 Acq: 20 Nov 2019 2:49

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.3	24.2	36.4
88	20.0	15.9	23.9

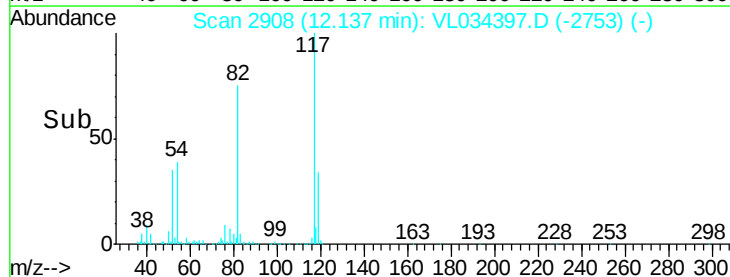
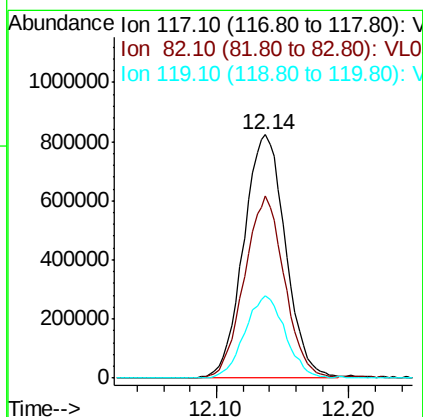
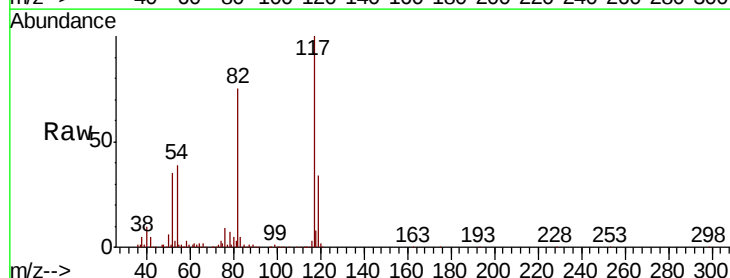
Manual Integrations
 APPROVED

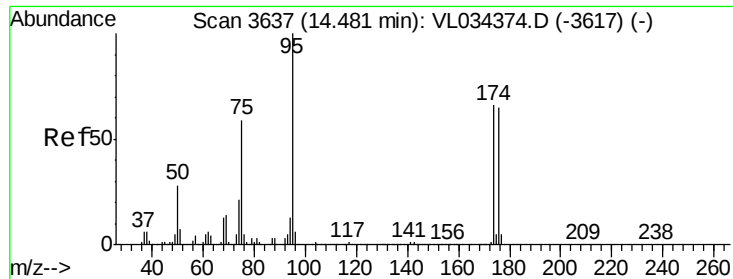
MMDadoda
 11/20/2019 3:54:22 PM



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T. -0.00 min
 Lab File: VL034397.D
 Acq: 20 Nov 2019 2:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.6	57.5	86.3
119	33.2	25.4	38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.041 ppbv
 RT: 14.48 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VL034397.D
 Acq: 20 Nov 2019 2:49

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	66.1	52.2	78.2	
175	4.8	3.8	5.8	

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 3:54:22 PM

