

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020419\
 Data File : VL033158.D
 Acq On : 4 Feb 2019 16:38
 Operator : SY/AP
 Sample : VL0204ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABL01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:27:46 AM

Quant Time: Feb 05 01:31:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 05 2019
 QLast Update : Mon Feb 04 14:41:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1331438	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2987589	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2974482	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2423040	10.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.93	43	20849m	0.132	ppbv	
20) Methylene Chloride	4.41	84	9522m	0.174	ppbv	

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

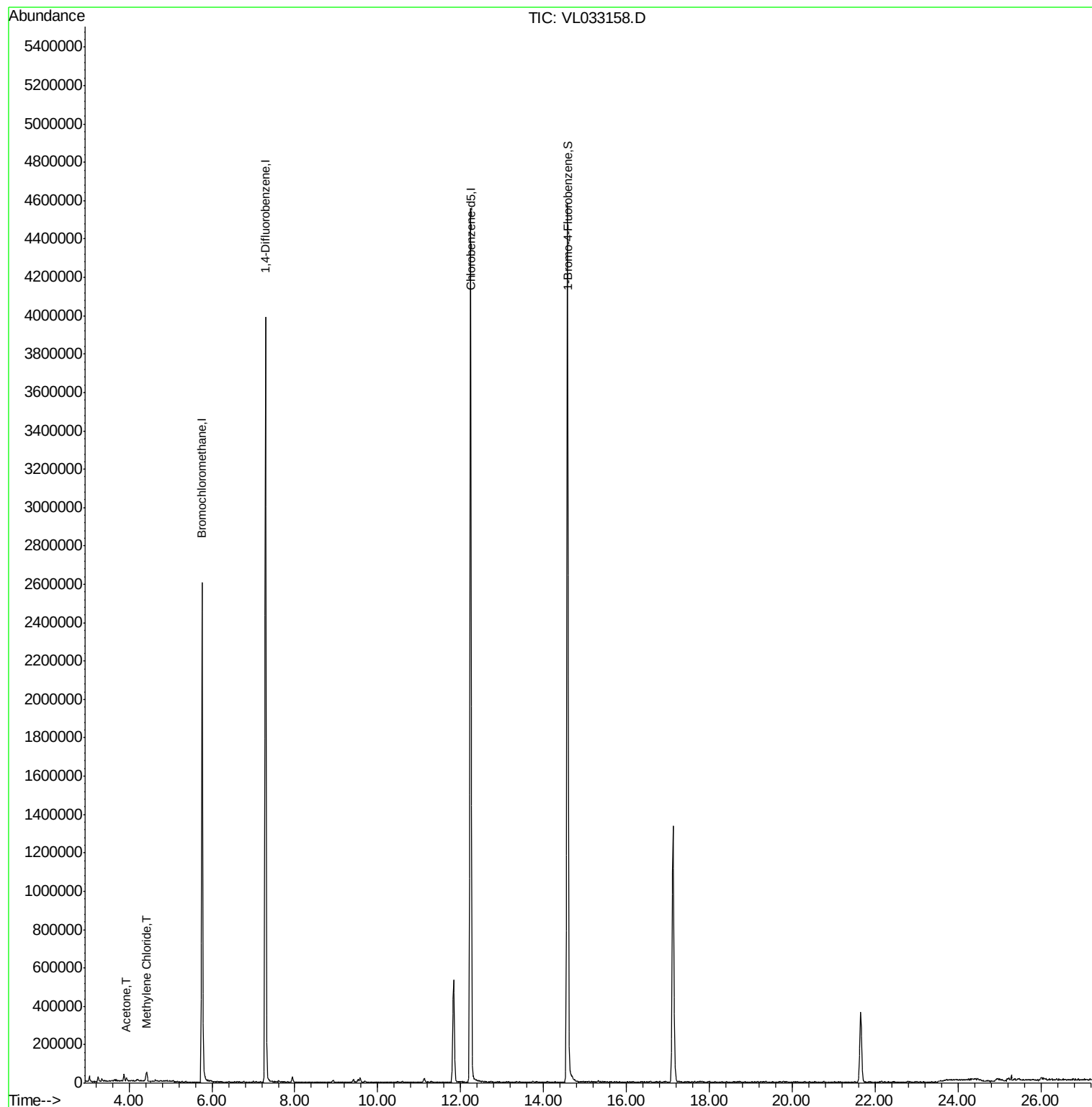
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL020419\
Data File : VL033158.D
Acq On : 4 Feb 2019 16:38
Operator : SY/AP
Sample : VL0204ABL01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

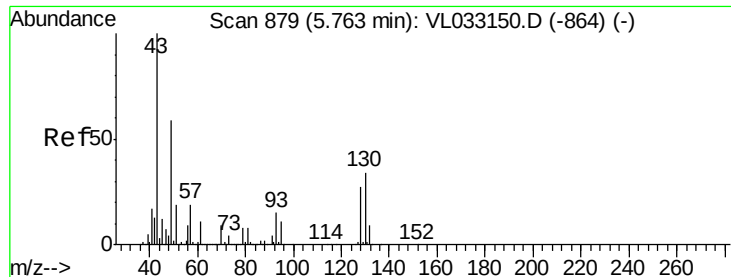
Instrument :
MSVOA_L
ClientSampleId :
VL0204ABL01

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:27:46 AM

Quant Time: Feb 05 01:31:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb
QLast Update : Mon Feb 04 14:41:39 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033158.D

Acq: 4 Feb 2019 16:38

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABL01

Tot Ion: 49 Resp: 1331438

Ion Ratio Lower Upper

49 100

128 44.1 23.2 69.5

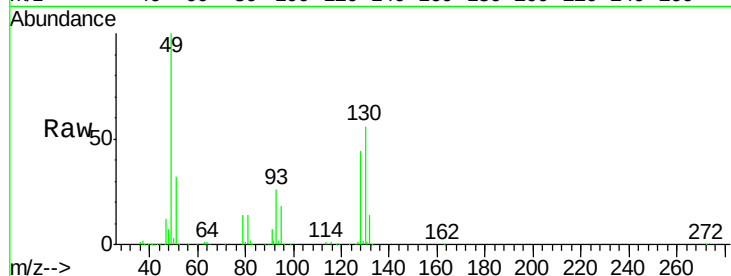
130 56.9 29.5 88.6

Manual Integrations

APPROVED

MMDadoda

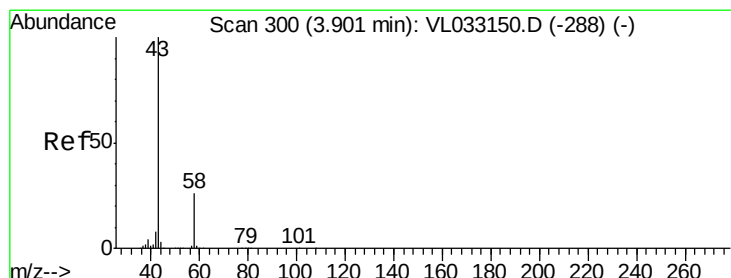
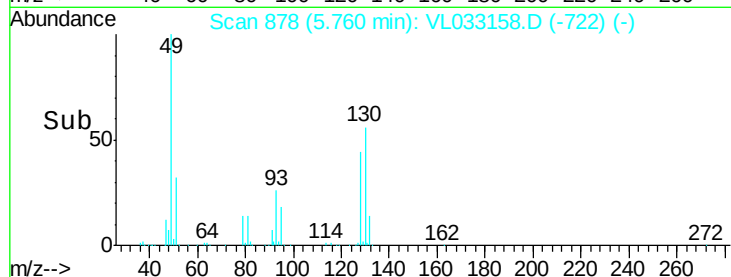
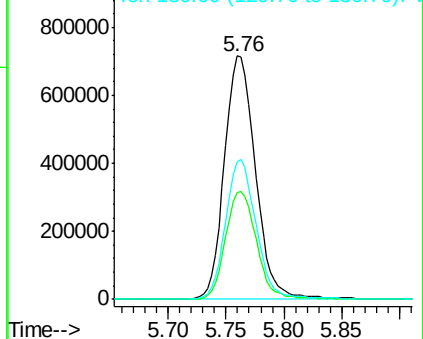
2/5/2019 10:27:46 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.132 ppbv m

RT: 3.93 min Scan# 309

Delta R.T. 0.03 min

Lab File: VL033158.D

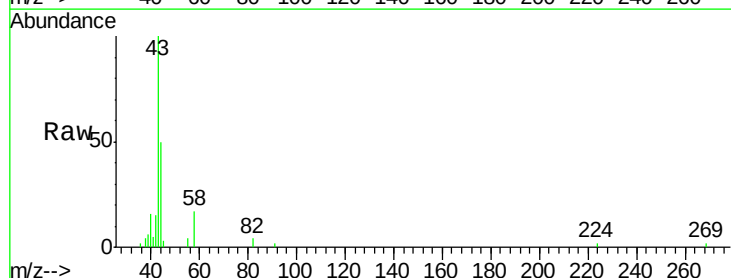
Acq: 4 Feb 2019 16:38

Tgt Ion: 43 Resp: 20849

Ion Ratio Lower Upper

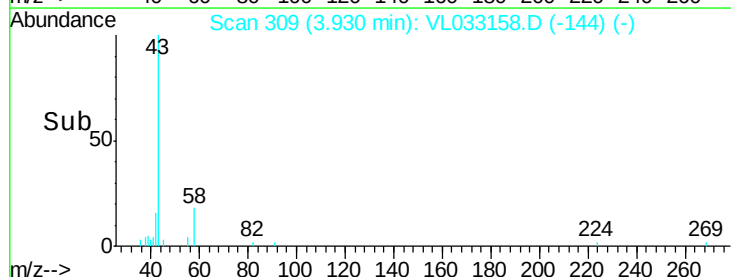
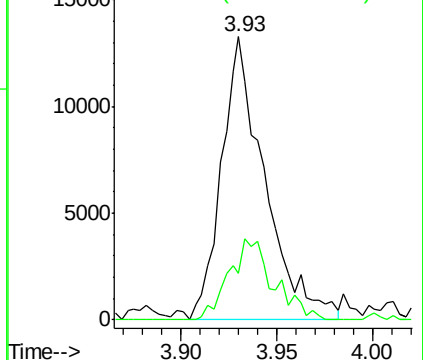
43 100

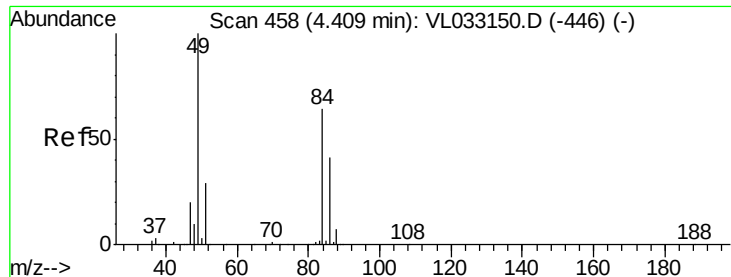
58 0.0 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





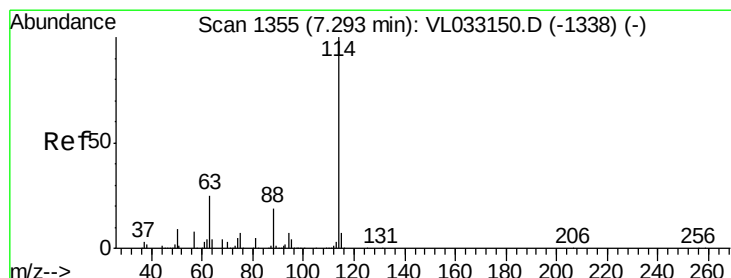
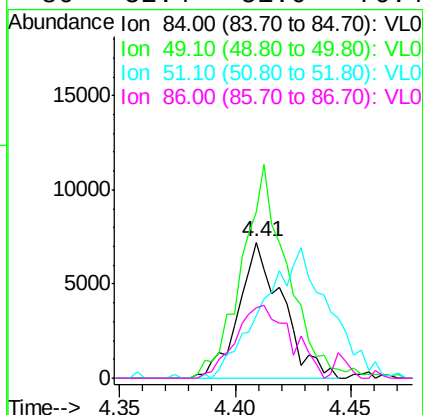
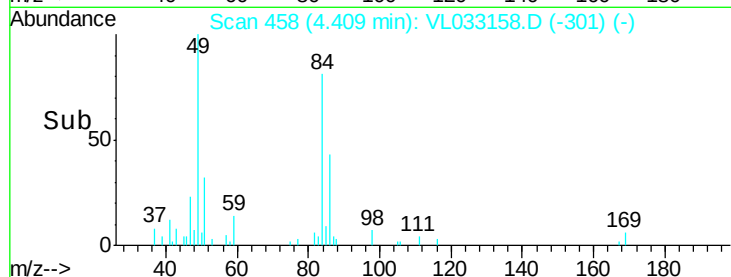
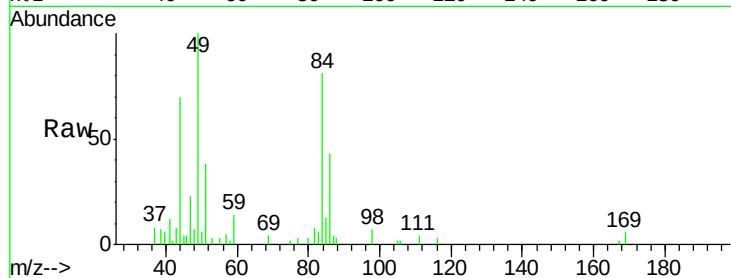
#20
Methylene Chloride
Concen: 0.174 ppbv m
RT: 4.41 min Scan# 458
Delta R.T. 0.01 min
Lab File: VL033158.D
Acq: 4 Feb 2019 16:38

Instrument :
MSVOA_L
ClientSampleId :
VL0204ABL01

Tot Ion:	84	Resp:	9522
Ion	Ratio	Lower	Upper
84	100		
49	123.0	121.1	181.7
51	46.3	37.5	56.3
86	52.4	51.0	76.4

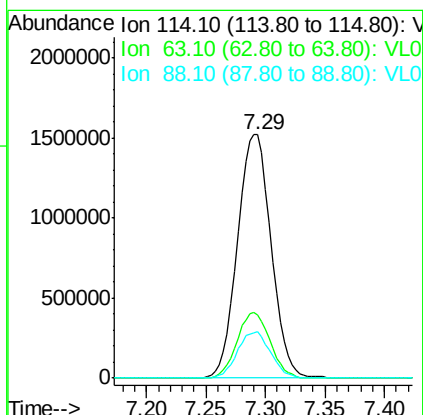
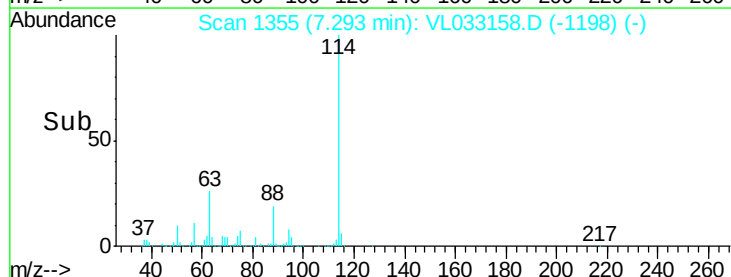
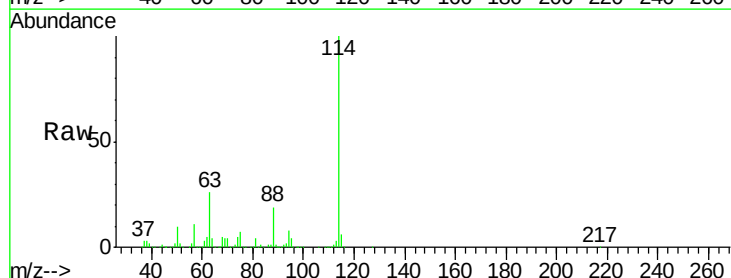
Manual Integrations
APPROVED

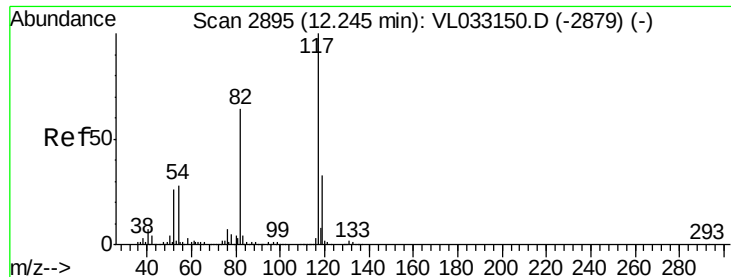
MMDadoda
2/5/2019 10:27:46 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL033158.D
Acq: 4 Feb 2019 16:38

Tgt Ion:	114	Resp:	2987589
Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.0	30.0
88	18.8	14.4	21.6





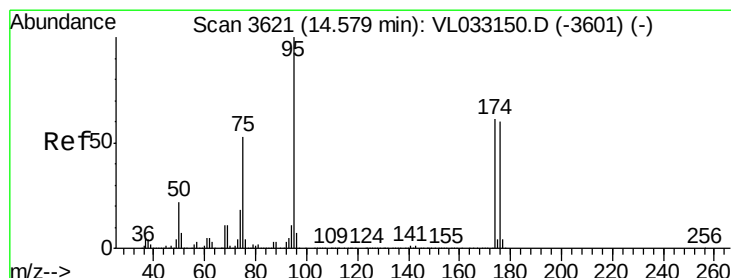
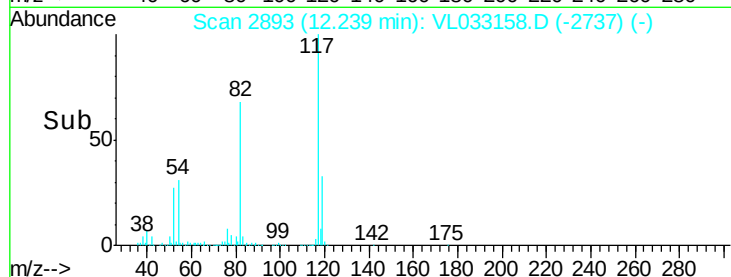
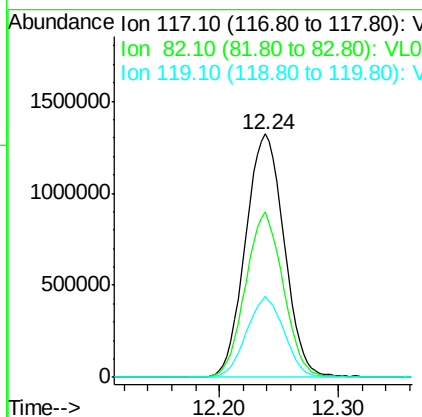
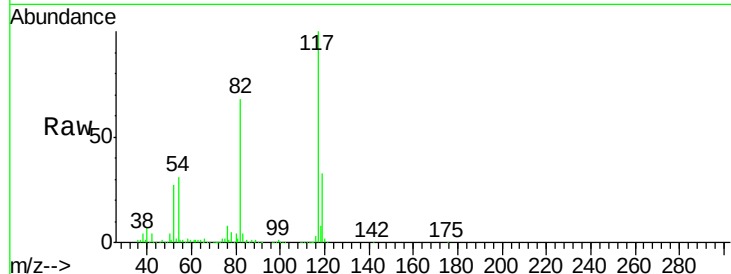
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033158.D
Acq: 4 Feb 2019 16:38

Instrument :
MSVOA_L
ClientSampleId :
VL0204ABL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.5	49.3	73.9
119	32.4	27.1	40.7

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:27:46 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.931 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. 0.00 min
Lab File: VL033158.D
Acq: 4 Feb 2019 16:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	60.2	49.2	73.8
175	4.3	3.7	5.5

