

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082018\
 Data File : VL032417.D
 Acq On : 21 Aug 2018 10:14
 Operator : SY/AP
 Sample : J4576-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 10:50:40 AM

Quant Time: Aug 21 11:47:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1665326	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3278135	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3291890	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2469283	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.71	45	22050m	1.30	ppbv	
15) Acetone	3.96	43	97671	0.62	ppbv	99

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

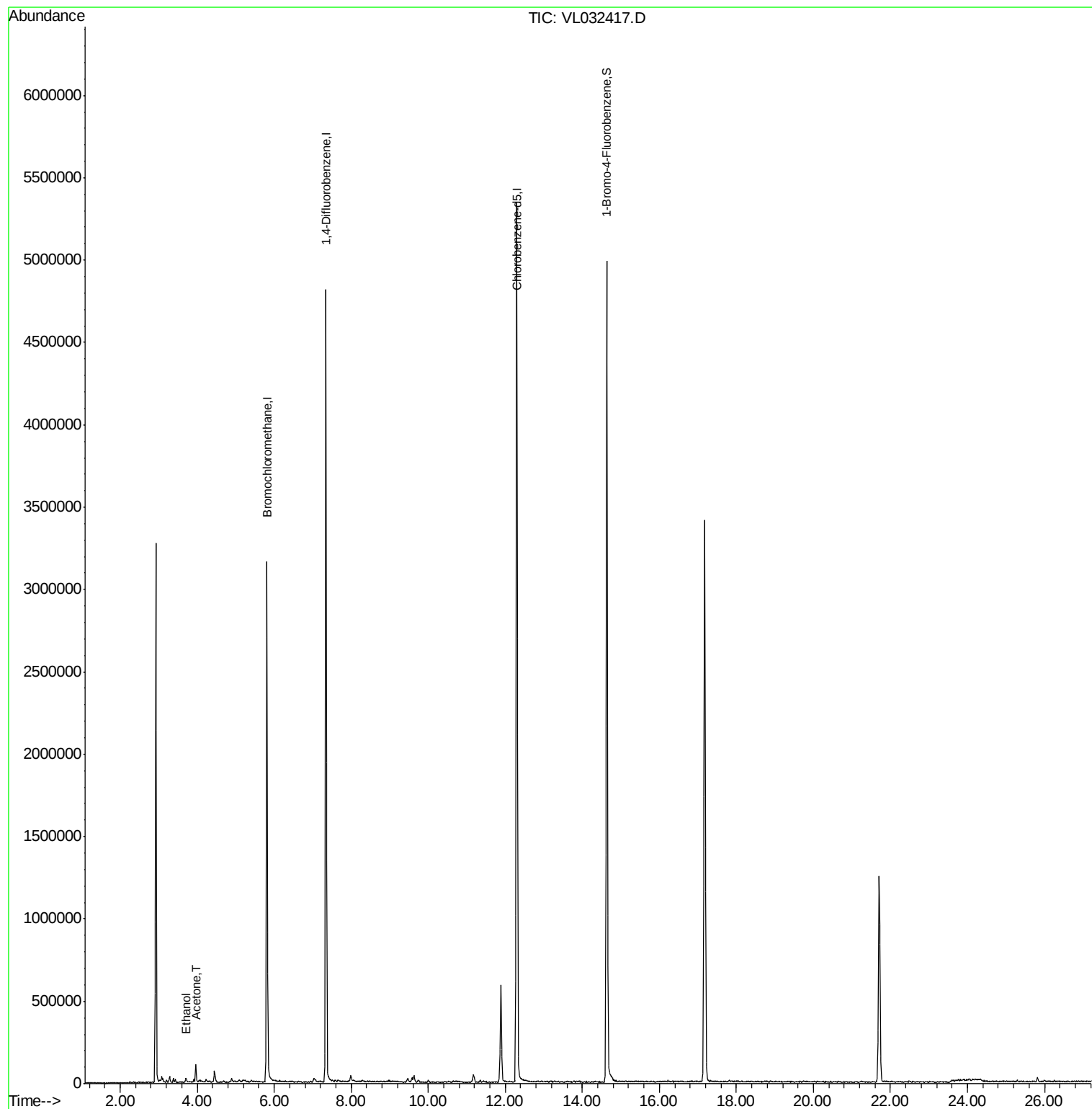
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082018\
Data File : VL032417.D
Acq On : 21 Aug 2018 10:14
Operator : SY/AP
Sample : J4576-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

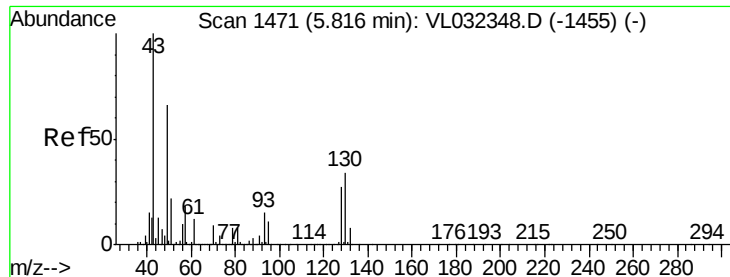
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

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8/22/2018 10:50:40 AM

Quant Time: Aug 21 11:47:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VL032417.D

Acq: 21 Aug 2018 10:14

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 49 Resp: 1665326

Ion Ratio Lower Upper

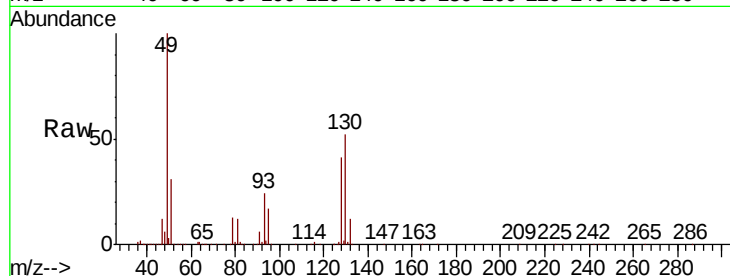
49 100

128 41.5 20.5 61.6

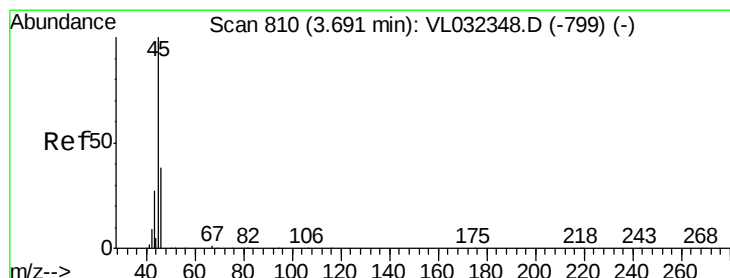
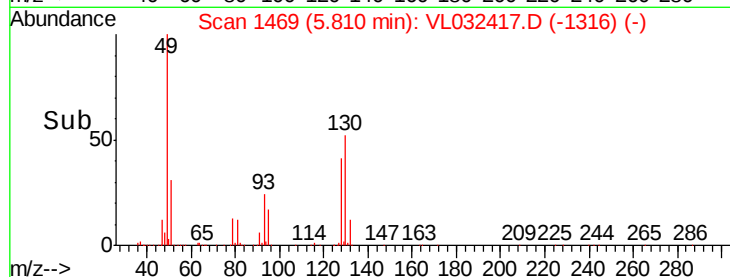
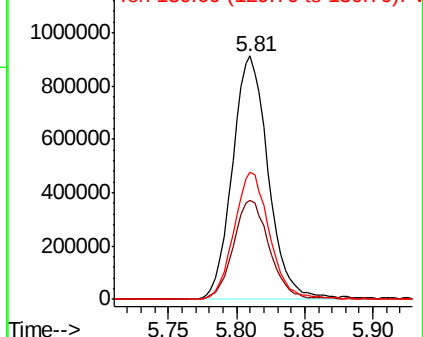
130 52.3 26.2 78.5

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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



#13

Ethanol

Concen: 1.30 ppbv m

RT: 3.71 min Scan# 816

Delta R.T. 0.02 min

Lab File: VL032417.D

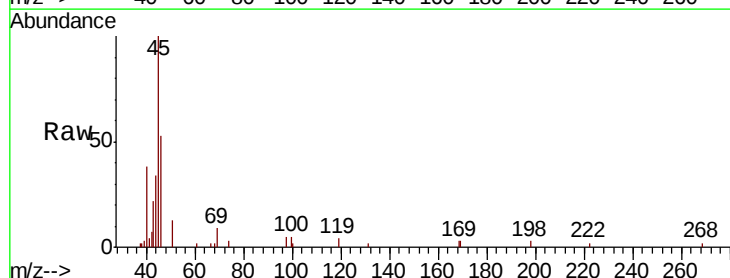
Acq: 21 Aug 2018 10:14

Tgt Ion: 45 Resp: 22050

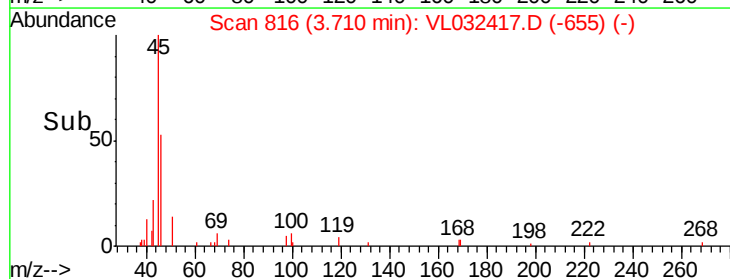
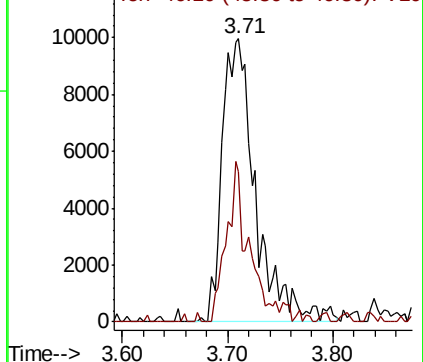
Ion Ratio Lower Upper

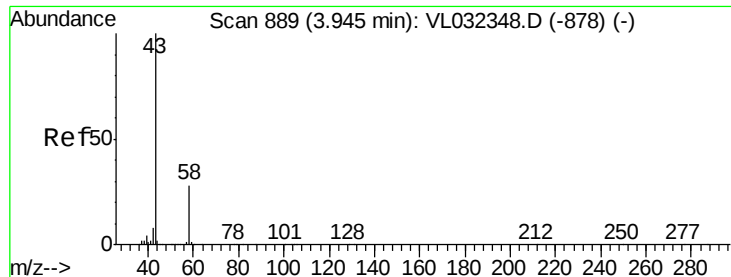
45 100

46 0.0 15.6 62.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.62 ppbv

RT: 3.96 min Scan# 894

Delta R.T. 0.02 min

Lab File: VL032417.D

Acq: 21 Aug 2018 10:14

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 43 Resp: 97671

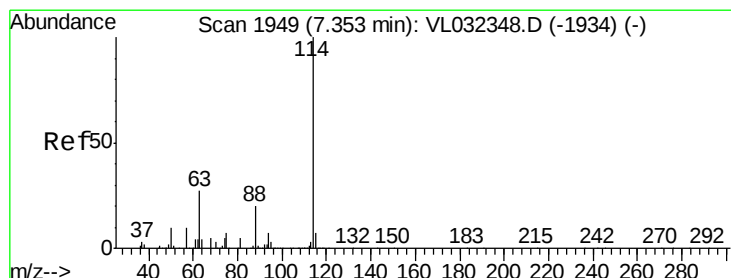
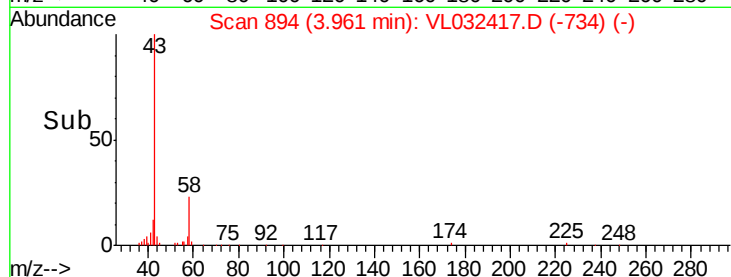
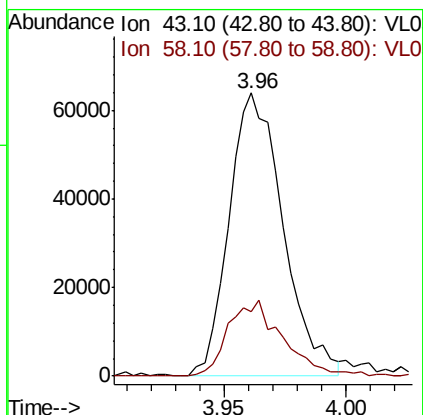
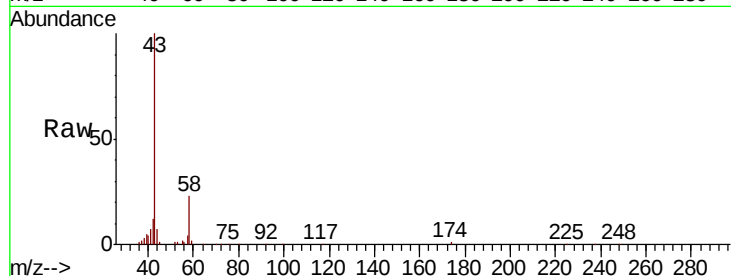
Ion Ratio Lower Upper

43 100

58 27.5 22.4 33.6

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.34 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VL032417.D

Acq: 21 Aug 2018 10:14

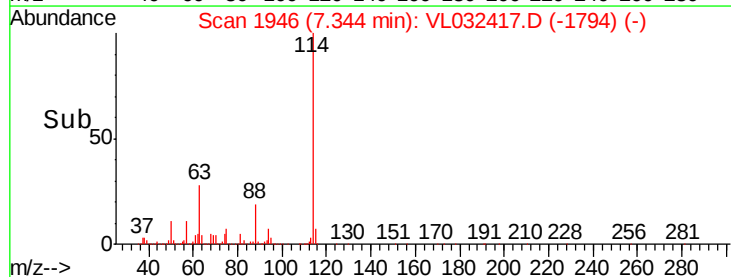
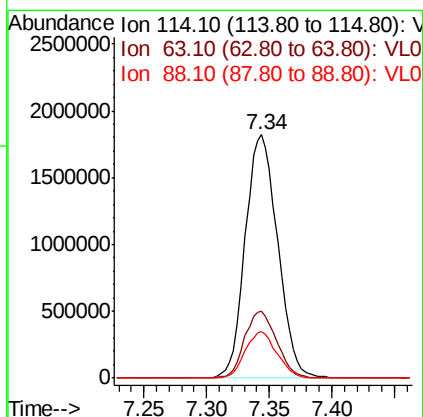
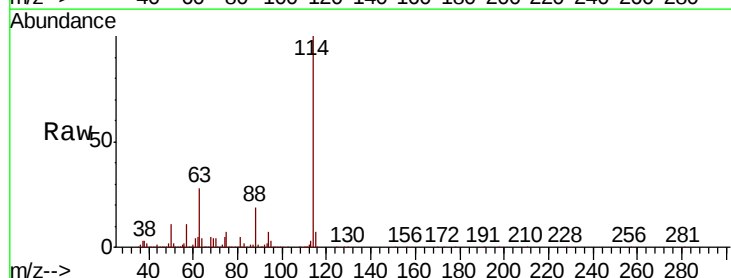
Tgt Ion: 114 Resp: 3278135

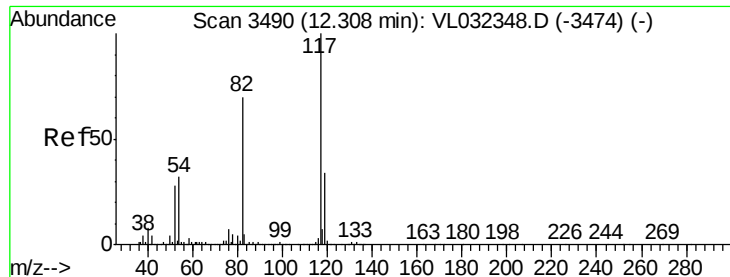
Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

88 18.8 15.3 22.9





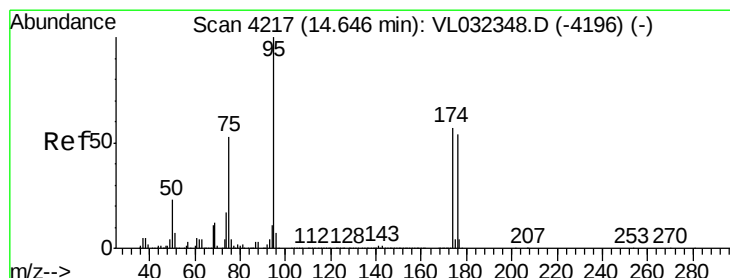
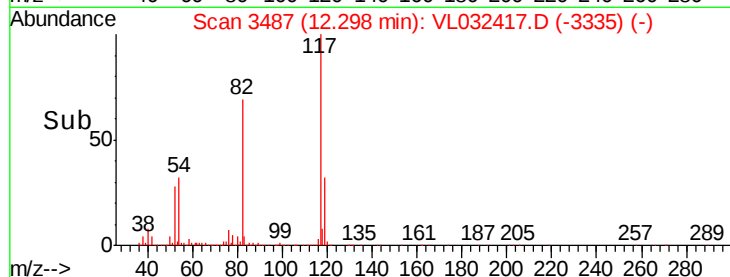
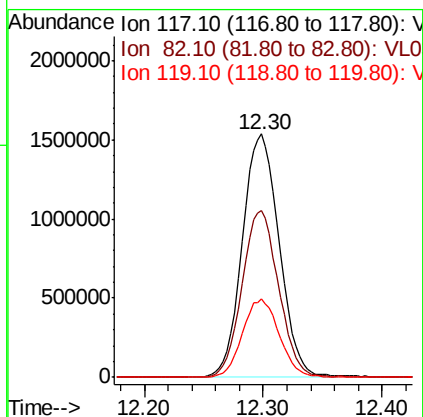
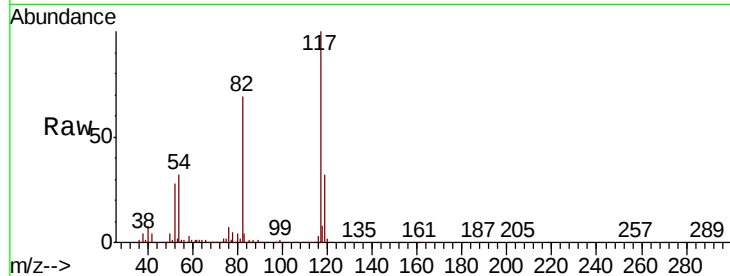
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.30 min Scan# 3487
Delta R.T. -0.01 min
Lab File: VL032417.D
Acq: 21 Aug 2018 10:14

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.6	55.1	82.7
119	32.4	46.0	69.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.83 ppbv
RT: 14.64 min Scan# 4214
Delta R.T. -0.01 min
Lab File: VL032417.D
Acq: 21 Aug 2018 10:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	58.5	46.2	69.4
175	4.0	3.4	5.0

