

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
 Data File : VL032011.D
 Acq On : 16 May 2018 21:39
 Operator : SY/AP
 Sample : J2942-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VZW2

Manual Integrations
 APPROVED

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 5/17/2018 3:34:17 PM

Quant Time: May 17 09:19:37 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.87	49	1062746	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.41	114	2213682	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.38	117	2192752	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.71	95	1734945	10.20	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	4.01	43	90029	0.60	ppbv	96
20) Methylene Chloride	4.51	84	28460m	0.56	ppbv	

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

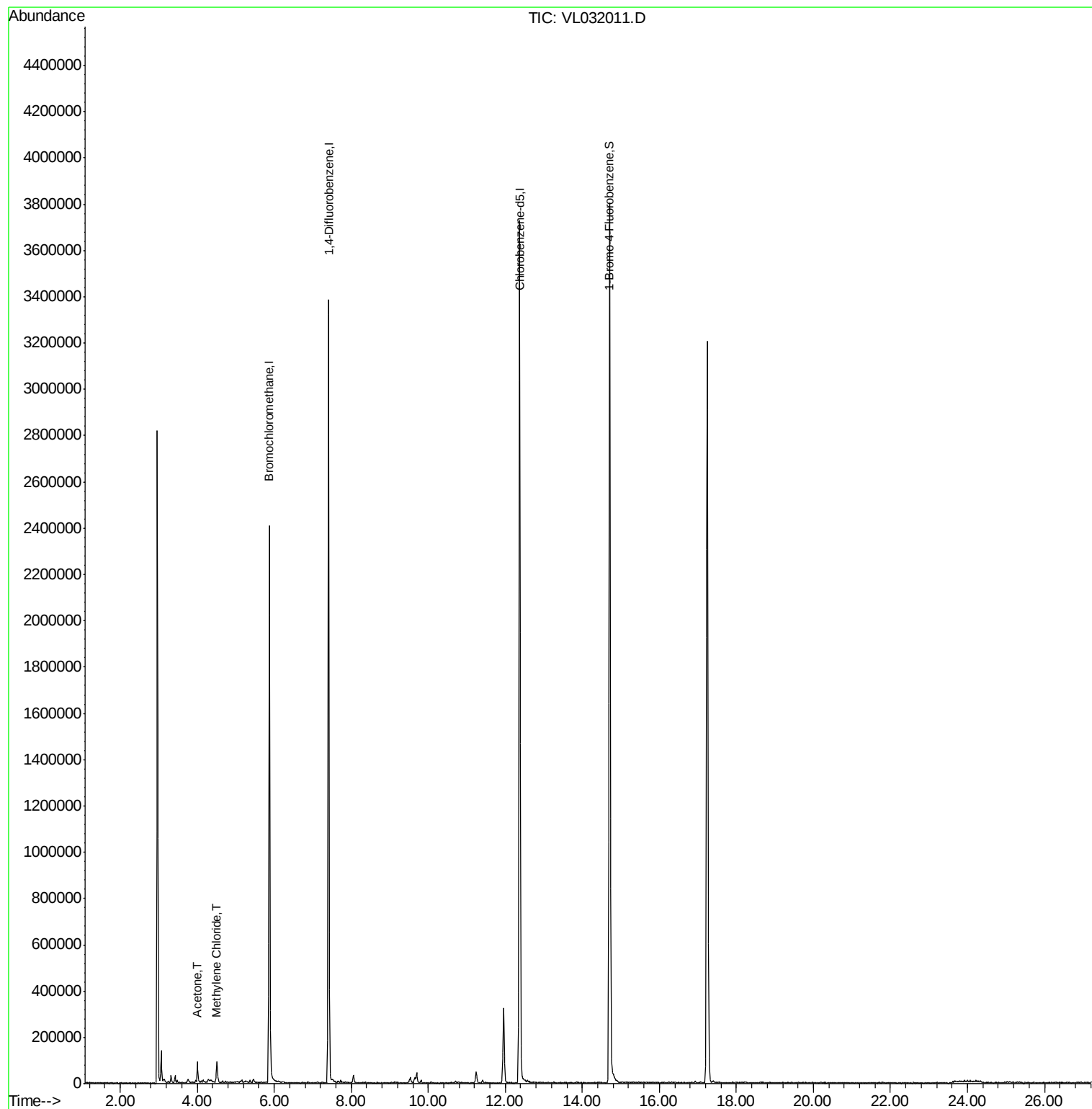
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
Data File : VL032011.D
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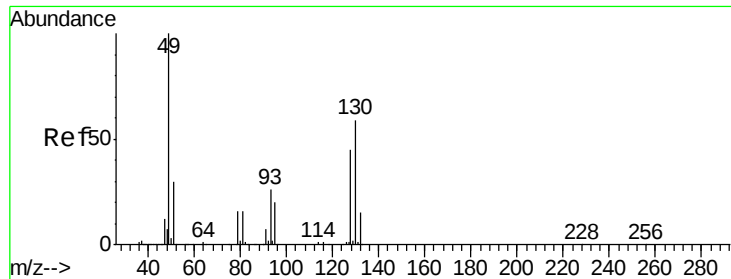
Instrument :
MSVOA_L
ClientSampleId :
VZW2

Manual Integrations
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Quant Time: May 17 09:19:37 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.87 min Scan# 1489

Delta R.T. -0.01 min

Lab File: VL032011.D

Acq: 16 May 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

VZW2

Tot Ion: 49 Resp: 1062746

Ion Ratio Lower Upper

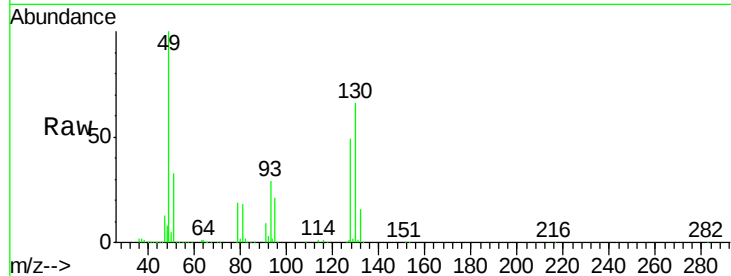
49 100

128 50.5 24.1 72.3

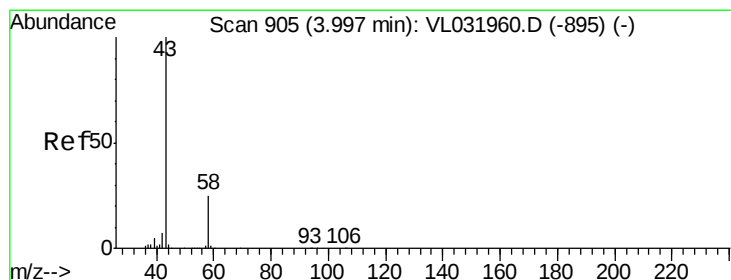
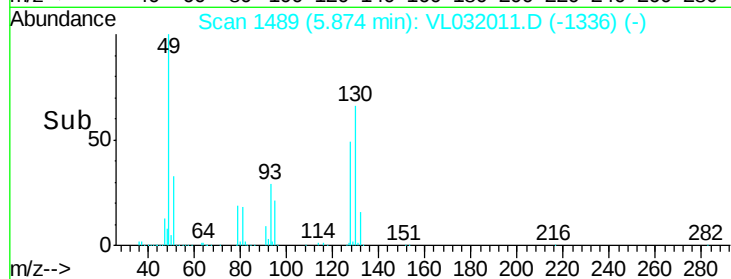
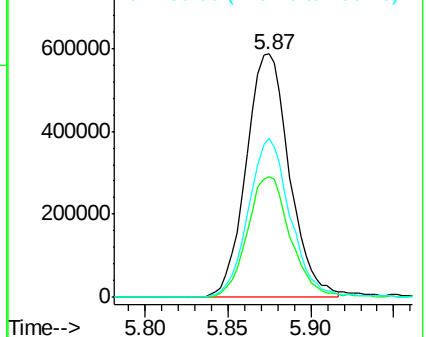
130 64.1 30.7 92.1

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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



#15

Acetone

Concen: 0.60 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL032011.D

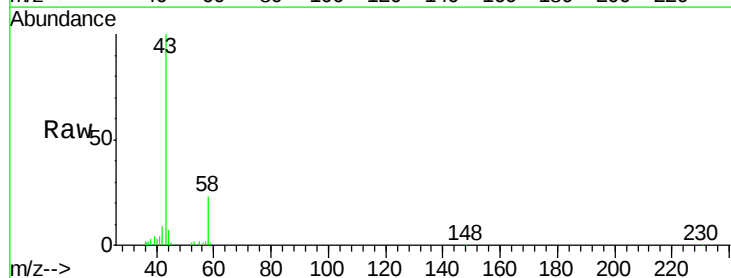
Acq: 16 May 2018 21:39

Tgt Ion: 43 Resp: 90029

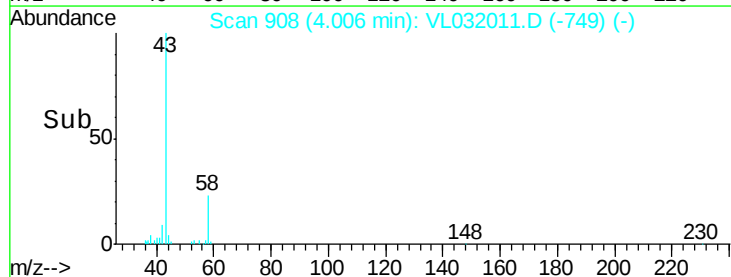
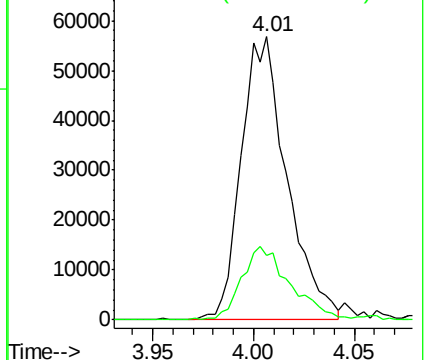
Ion Ratio Lower Upper

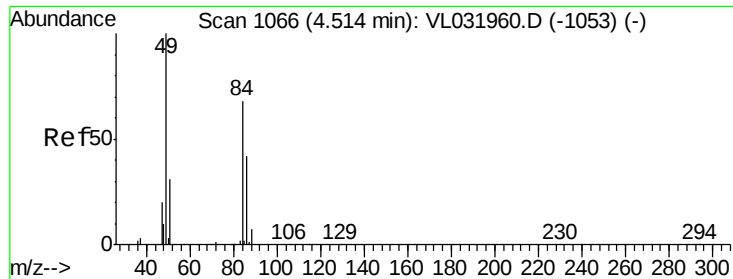
43 100

58 28.3 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





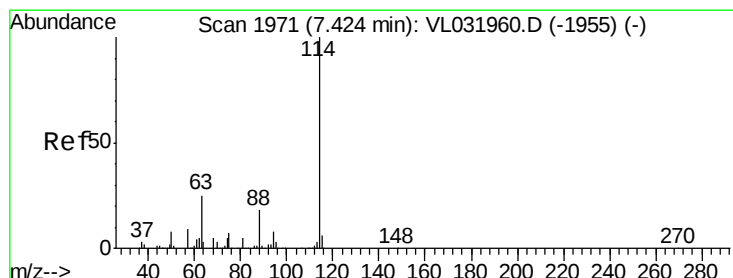
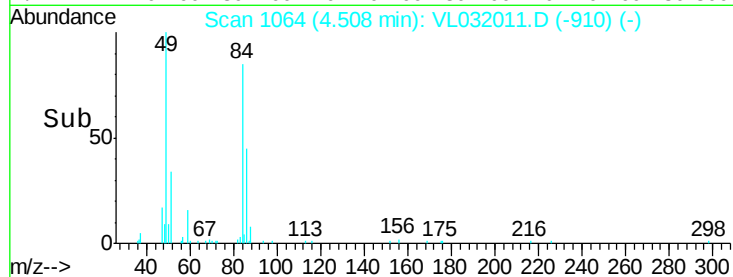
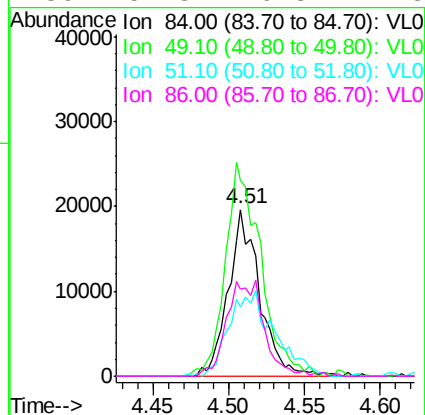
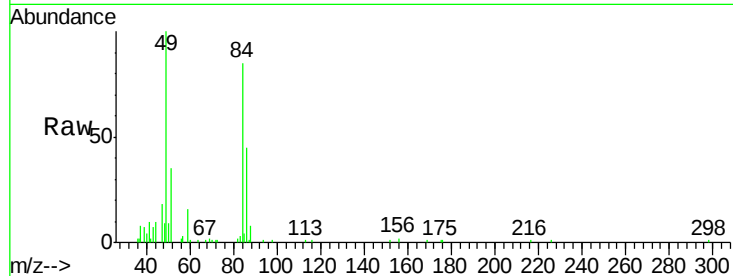
#20
Methvlene Chloride
Concen: 0.56 ppbv m
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032011.D
Acq: 16 May 2018 21:39

Instrument :
MSVOA_L
ClientSampleId :
VZW2

Tot Ion	84	Resp	28460
Ion Ratio	Lower	Upper	
84	100		
49	117.1	118.6	178.0#
51	41.2	36.6	54.8
86	52.3	49.8	74.8

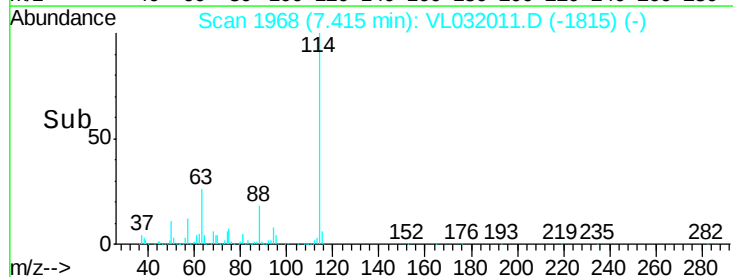
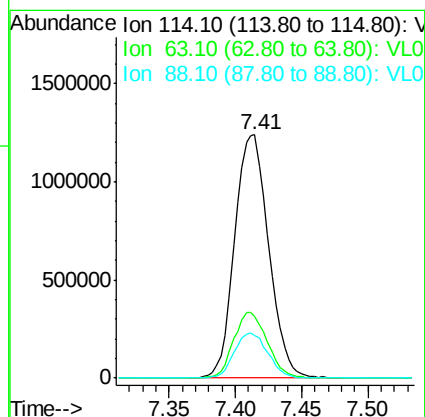
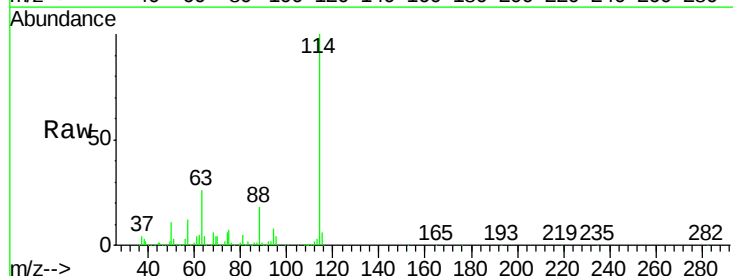
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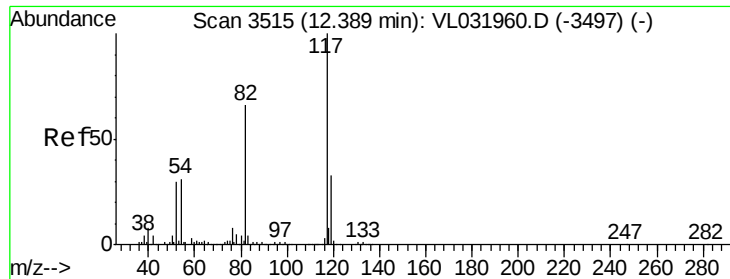
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.41 min Scan# 1968
Delta R.T. -0.01 min
Lab File: VL032011.D
Acq: 16 May 2018 21:39

Tgt Ion	114	Resp	2213682
Ion Ratio	Lower	Upper	
114	100		
63	26.7	20.8	31.2
88	18.4	14.6	21.8





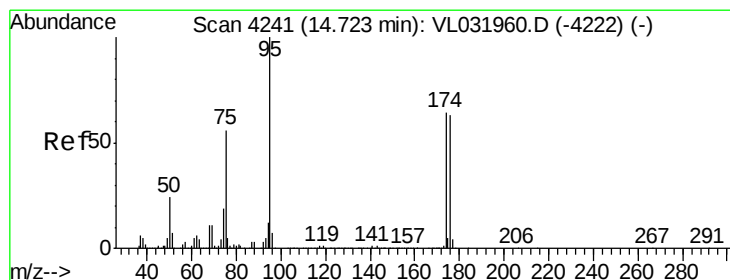
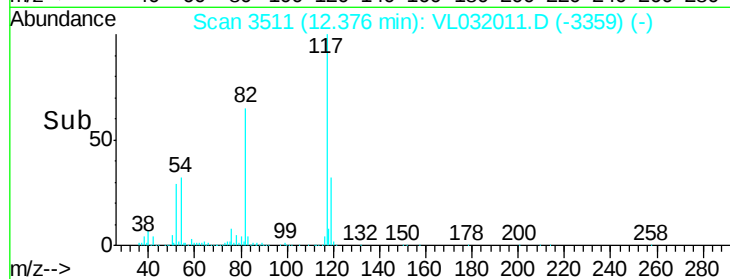
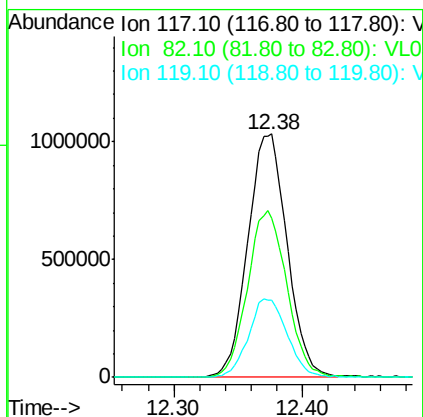
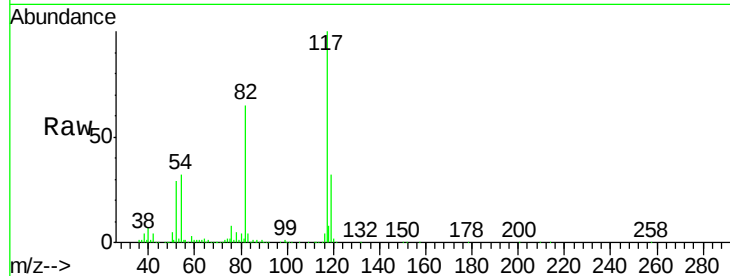
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.38 min Scan# 3511
Delta R.T. -0.01 min
Lab File: VL032011.D
Acq: 16 May 2018 21:39

Instrument :
MSVOA_L
ClientSampled :
VZW2

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.5	51.6	77.4
119	31.9	44.2	66.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.20 ppbv
RT: 14.71 min Scan# 4237
Delta R.T. -0.01 min
Lab File: VL032011.D
Acq: 16 May 2018 21:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.1	53.0	79.6
175	4.8	3.9	5.9

