

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033649.D
 Acq On : 3 May 2019 5:01
 Operator : SY/AP
 Sample : K2628-12DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-12DL

Manual Integrations
 APPROVED

MMDadoda
 5/4/2019 7:19:05 AM

Quant Time: May 03 08:26:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 08:26:48 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	932805	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2267741	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2333428	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1918317	10.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	66956m	4.624	ppbv	
15) Acetone	3.91	43	67727	0.596	ppbv	97
53) Toluene	9.94	91	73947	0.303	ppbv	100

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

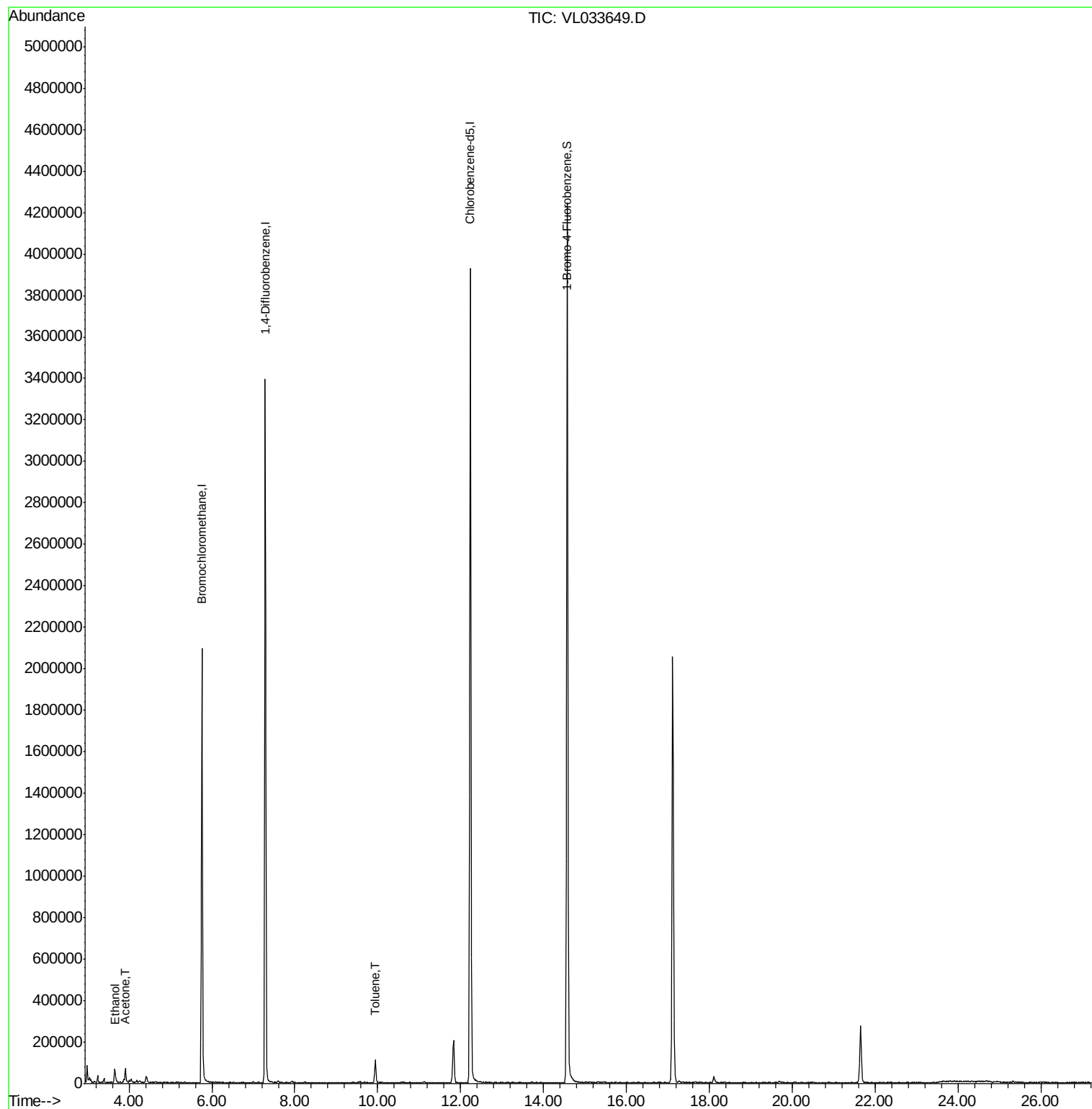
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050219\
Data File : VL033649.D
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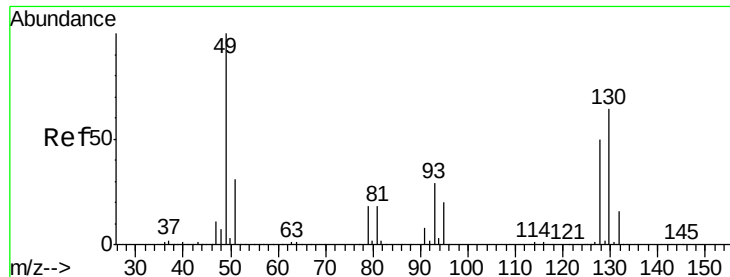
Instrument :
MSVOA_L
ClientSampleId :
A-12DL

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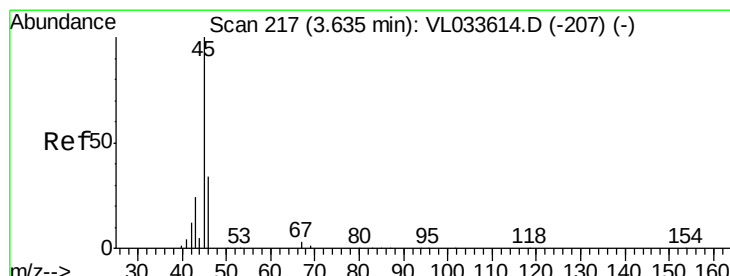
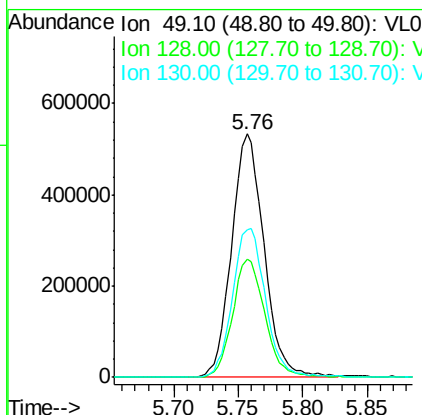
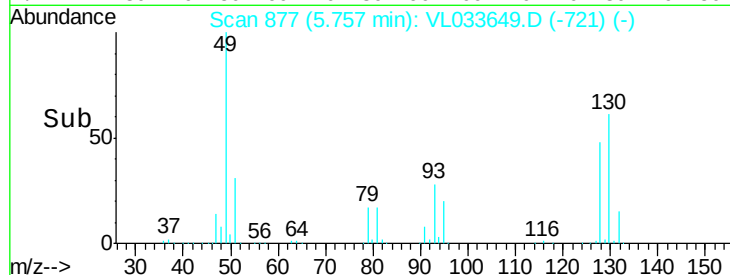
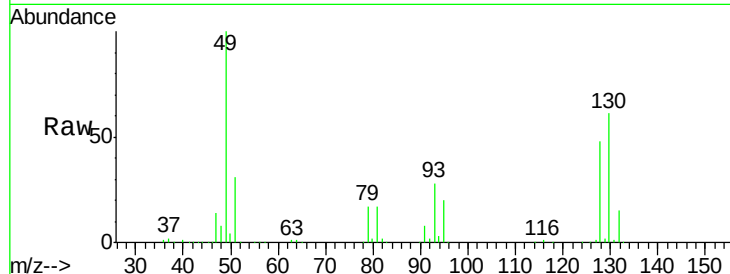
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VL033649.D
 Acq: 3 May 2019 5:01

Instrument :
 MSVOA_L
 ClientSampleId :
 A-12DL

Tot Ion:	49	Resp:	932805
Ion Ratio	Lower	Upper	
49	100		
128	48.9	25.0	75.0
130	63.1	31.9	95.9

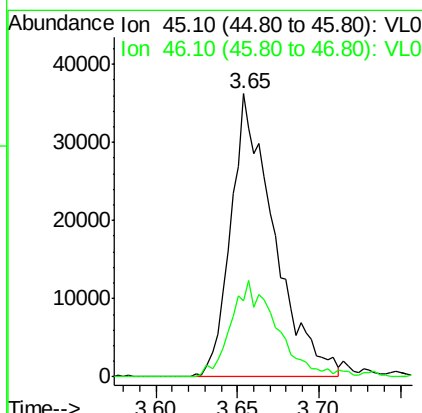
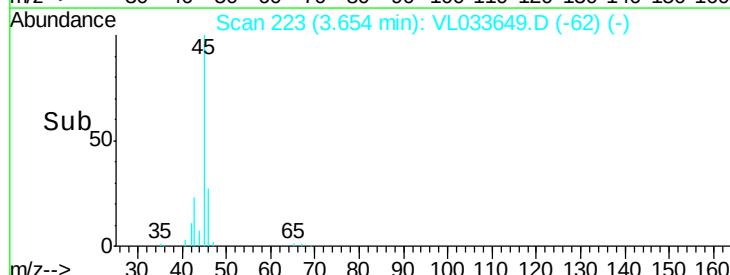
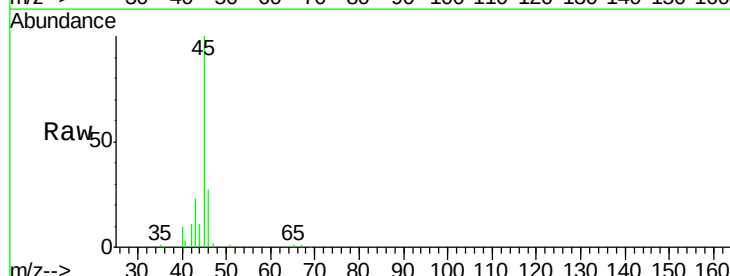
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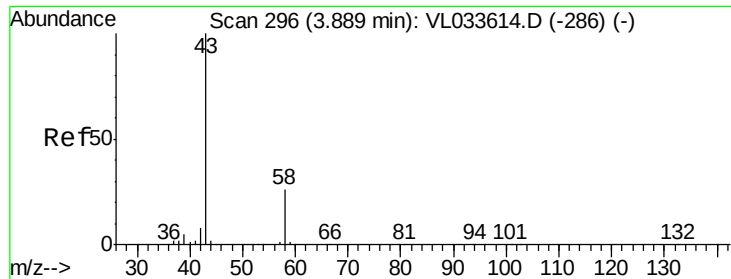
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#13
 Ethanol
 Concen: 4.624 ppbv m
 RT: 3.65 min Scan# 223
 Delta R.T. 0.02 min
 Lab File: VL033649.D
 Acq: 3 May 2019 5:01

Tgt Ion:	45	Resp:	66956
Ion Ratio	Lower	Upper	
45	100		
46	36.8	14.6	58.2





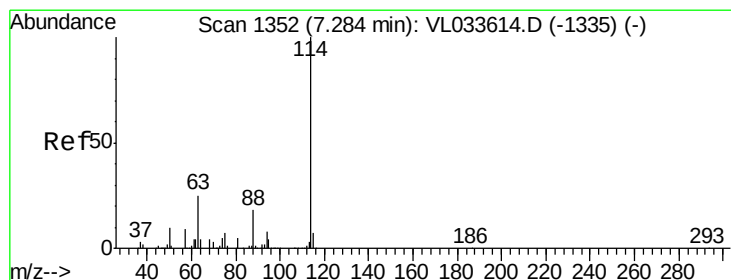
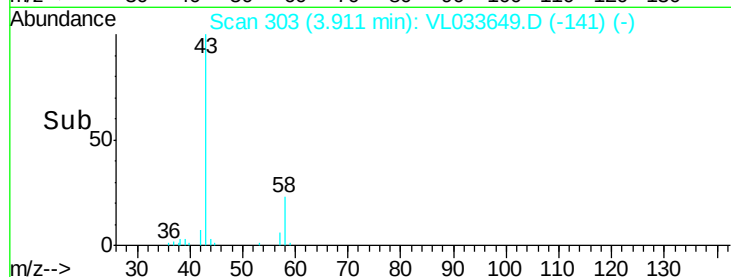
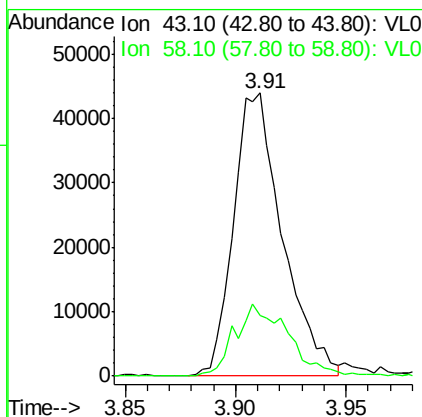
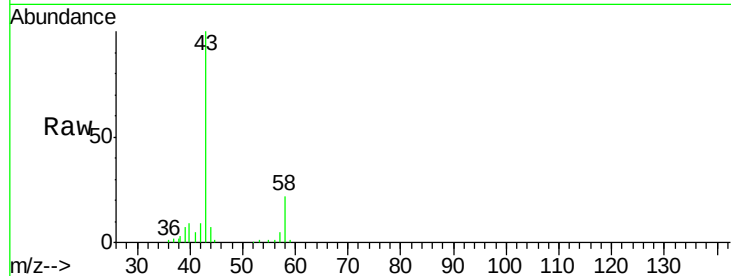
#15
Acetone
Concen: 0.596 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.02 min
Lab File: VL033649.D
Acq: 3 May 2019 5:01

Instrument :
MSVOA_L
ClientSampled :
A-12DL

Tot Ion: 43 Resp: 67727
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8

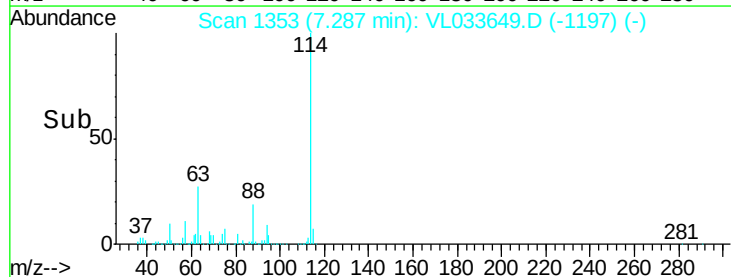
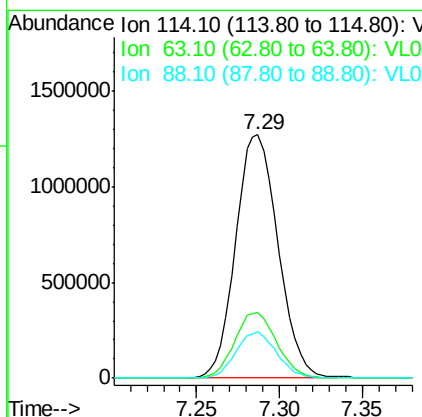
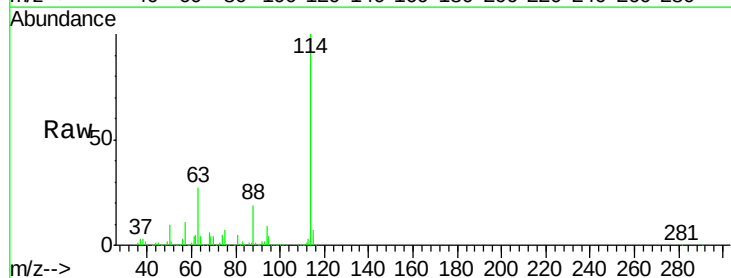
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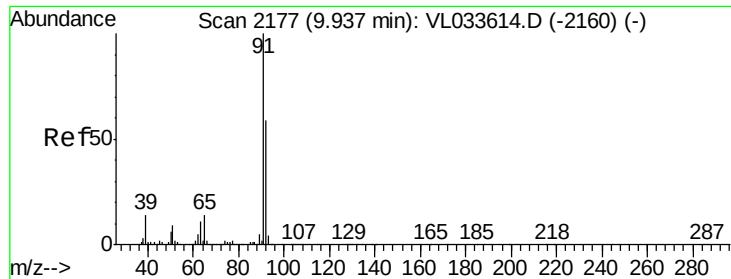
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL033649.D
Acq: 3 May 2019 5:01

Tgt Ion: 114 Resp: 2267741
Ion Ratio Lower Upper
114 100
63 26.9 21.1 31.7
88 18.3 14.2 21.4





#53

Toluene

Concen: 0.303 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033649.D

Acq: 3 May 2019 5:01

Instrument :

MSVOA_L

ClientSampleId :

A-12DL

Tot Ion: 91 Resp: 73947

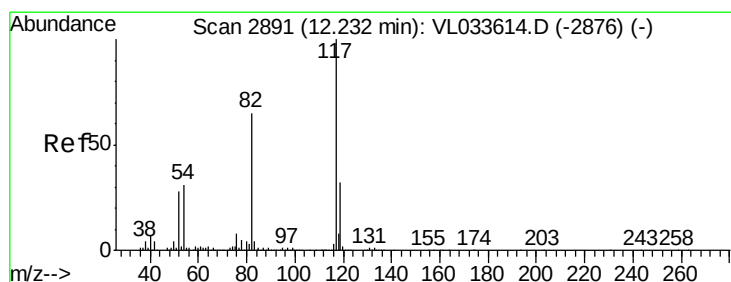
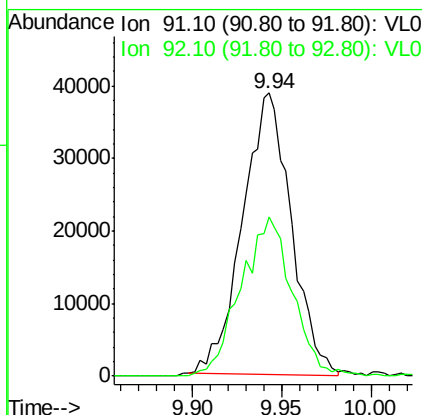
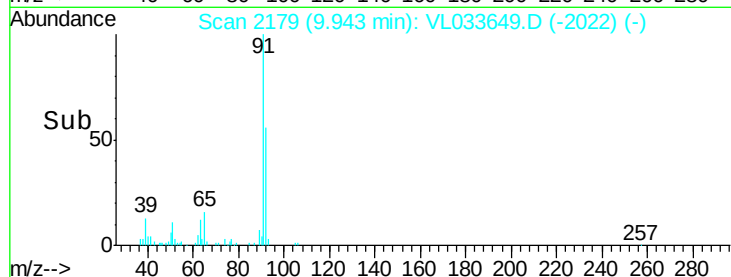
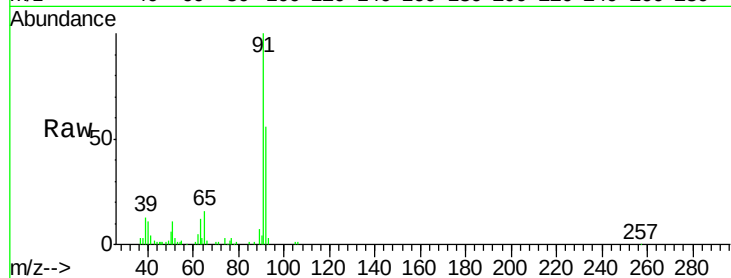
Ion Ratio Lower Upper

91 100

92 59.9 47.8 71.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.00 min

Lab File: VL033649.D

Acq: 3 May 2019 5:01

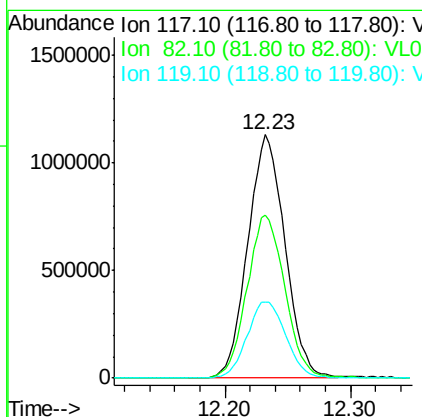
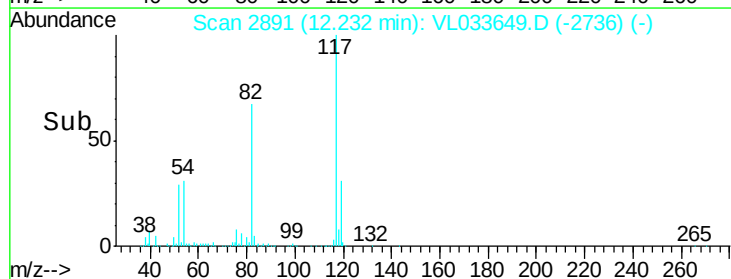
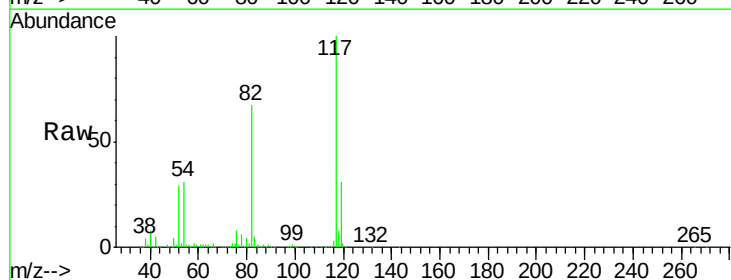
Tgt Ion: 117 Resp: 2333428

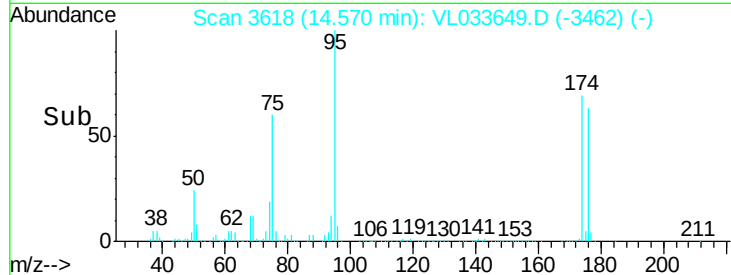
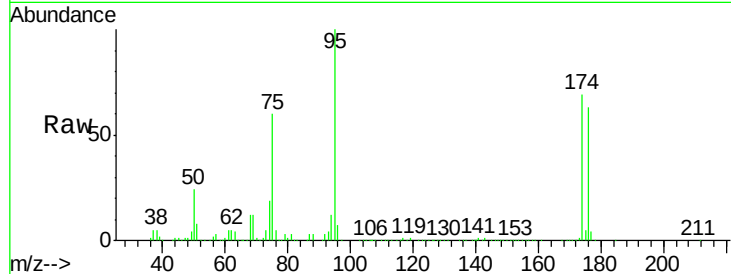
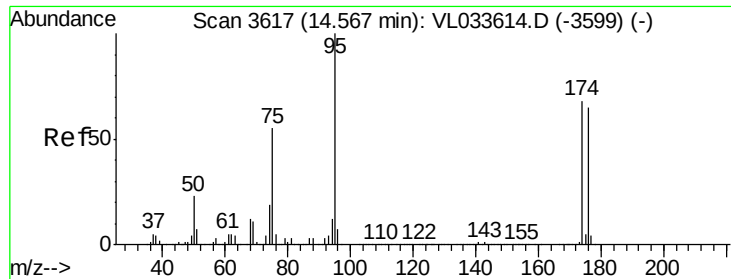
Ion Ratio Lower Upper

117 100

82 68.5 52.6 78.8

119 33.0 28.3 42.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.799 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL033649.D
 Acq: 3 May 2019 5:01

Instrument :
 MSVOA_L
 ClientSampleId :
 A-12DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.1	53.9	80.9
175	4.7	4.0	6.0

Manual Integrations
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 5/4/2019 7:19:05 AM

