

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011619\
 Data File : VL033096.D
 Acq On : 16 Jan 2019 17:40
 Operator : SY/AP
 Sample : K1130-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1ADL

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 3:16:33 PM

Quant Time: Jan 17 03:19:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	999045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2420617	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2312205	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1808063	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	11050m	0.656	ppbv	
20) Methylene Chloride	4.40	84	19187m	0.333	ppbv	

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

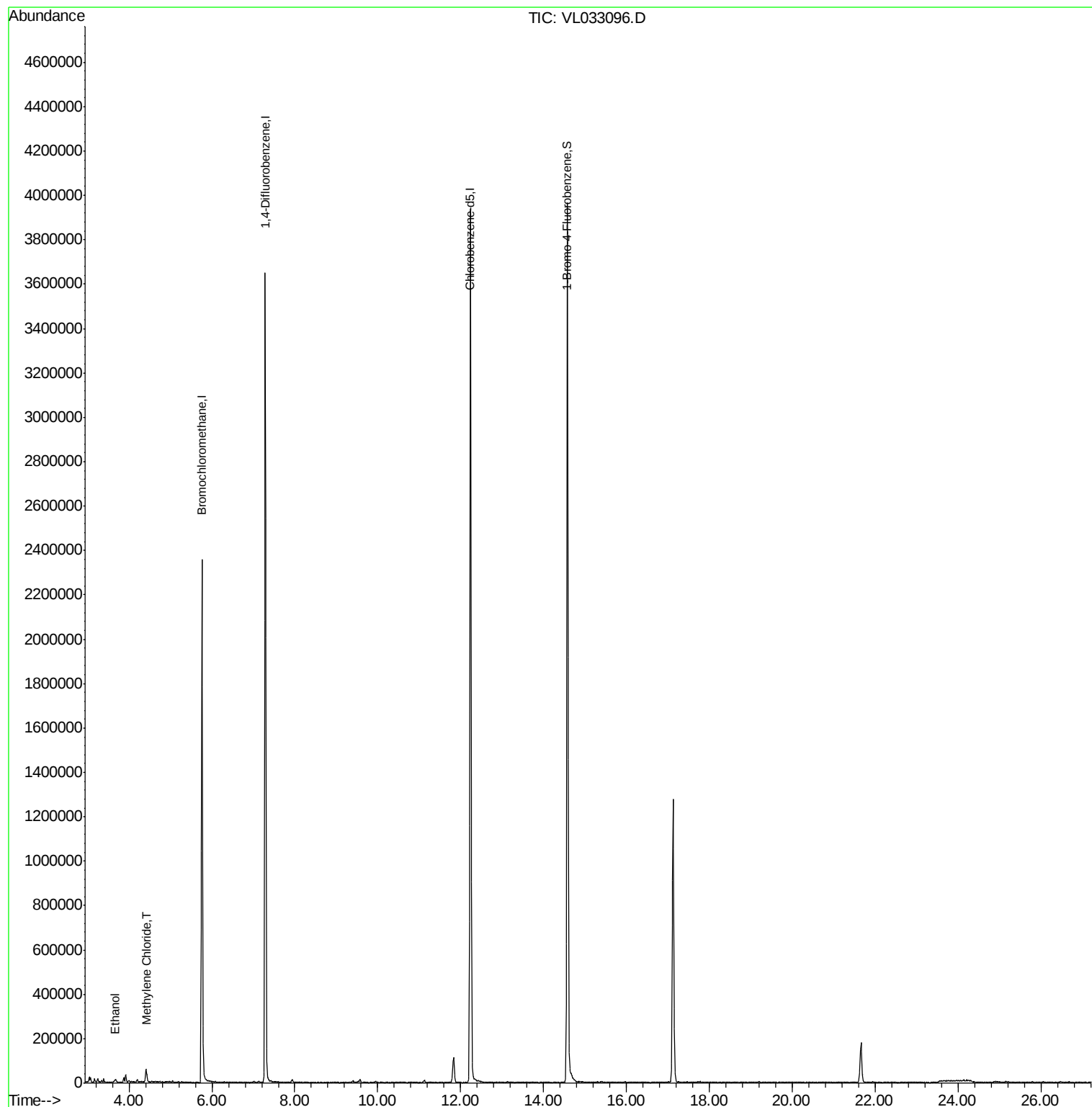
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011619\
Data File : VL033096.D
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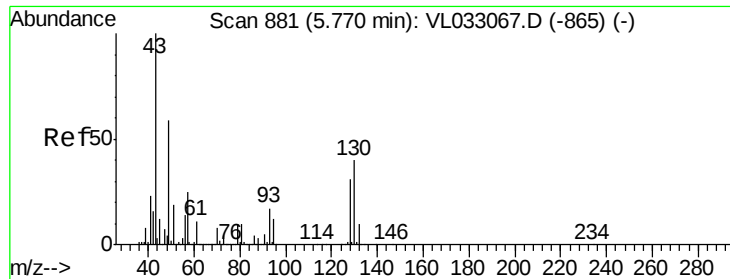
Instrument :
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Quant Time: Jan 17 03:19:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

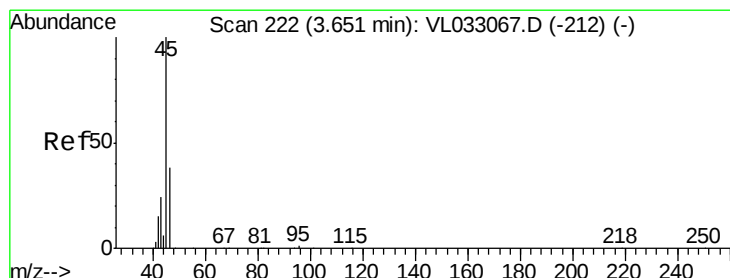
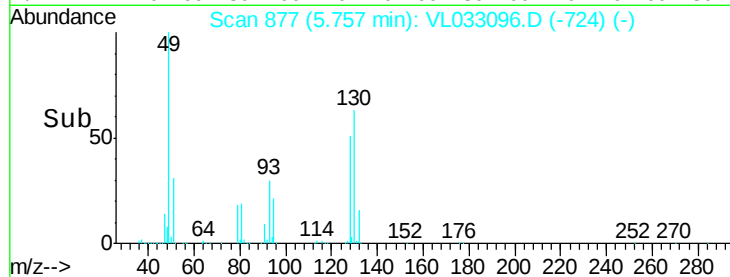
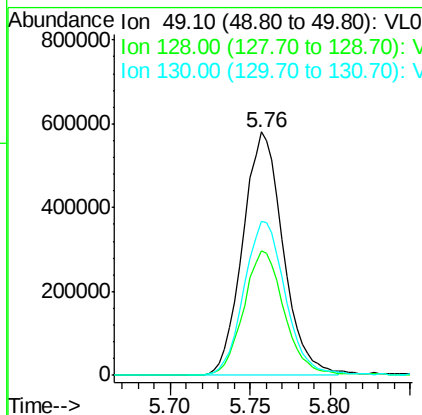
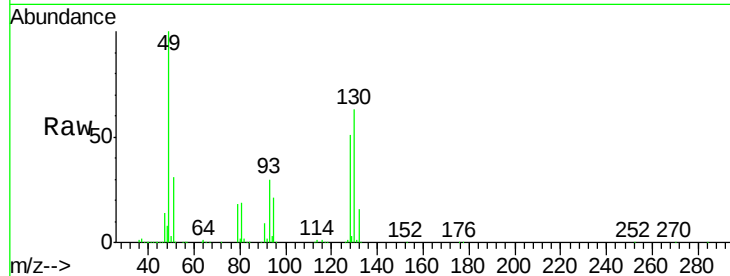
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033096.D
 Acq: 16 Jan 2019 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1ADL

Tot Ion	Ratio	Lower	Upper
49	100		
128	52.1	26.2	78.5
130	66.2	33.6	100.6

Manual Integrations
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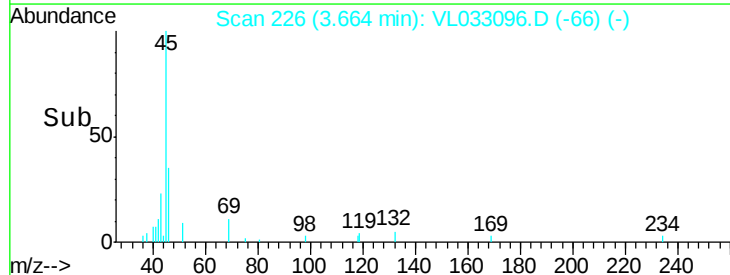
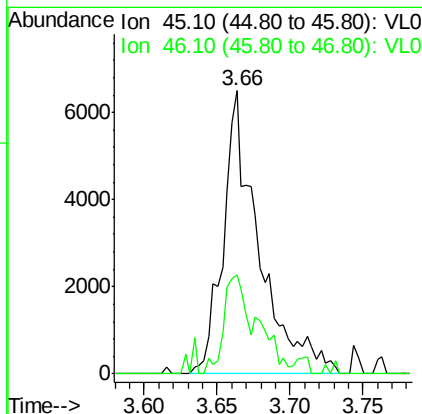
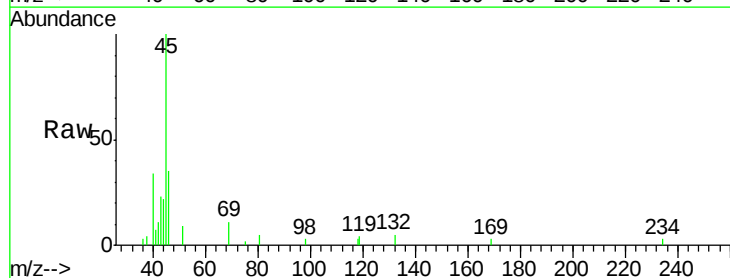
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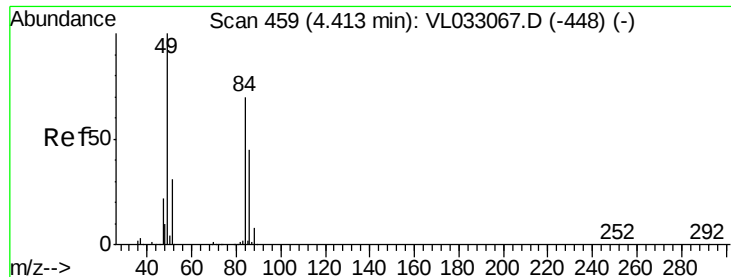


#13

Ethanol
 Concen: 0.656 ppbv m
 RT: 3.66 min Scan# 226
 Delta R.T. 0.01 min
 Lab File: VL033096.D
 Acq: 16 Jan 2019 17:40

Tgt Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.8	55.2#





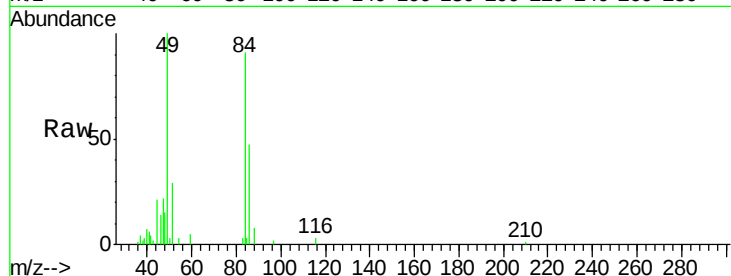
#20
Methvlene Chloride
Concen: 0.333 ppbv m
RT: 4.40 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

Instrument :
MSVOA_L
ClientSampleId :
QA1ADL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	110.1	115.8	173.6#	
51	32.2	35.7	53.5#	
86	52.0	49.7	74.5	

Manual Integrations
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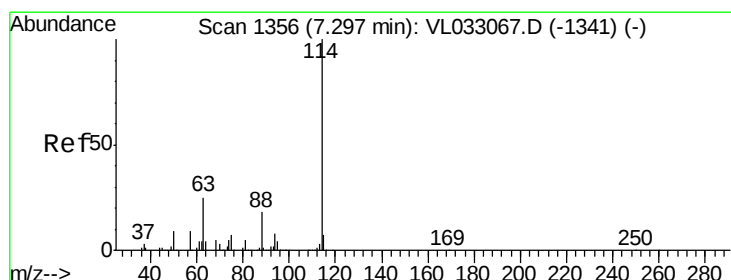
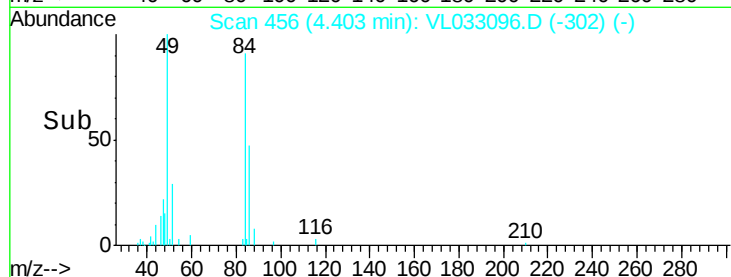
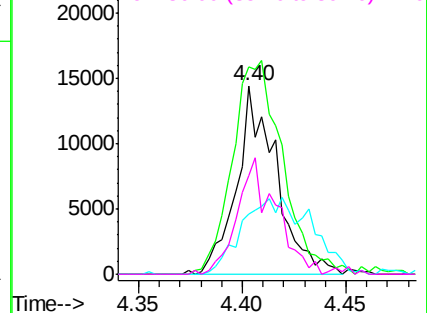
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

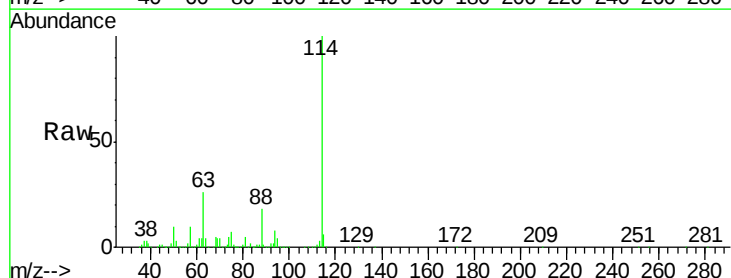
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	25.4	20.1	30.1	
88	17.9	14.0	21.0	

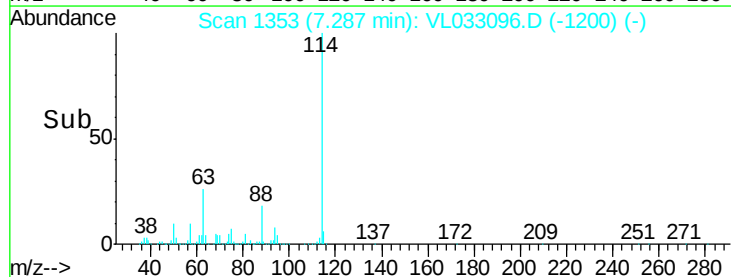
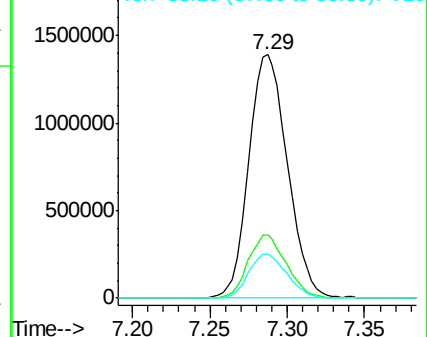


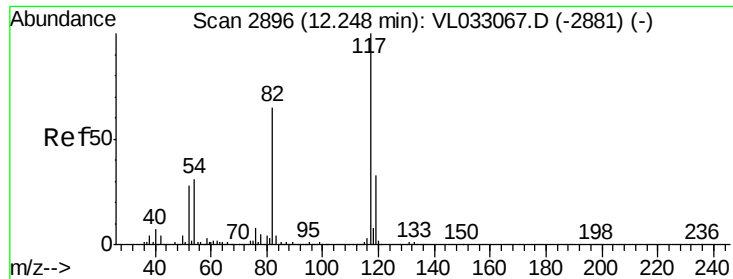
Abundance

Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





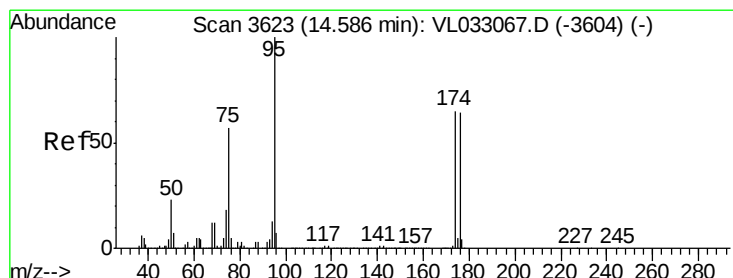
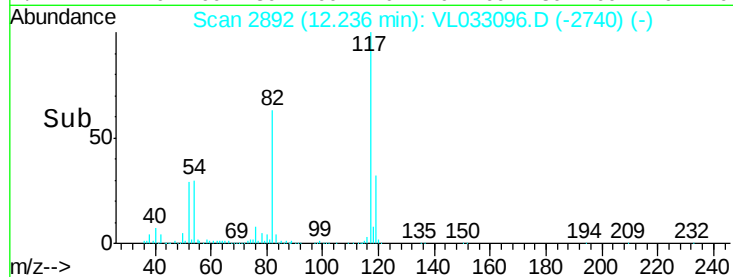
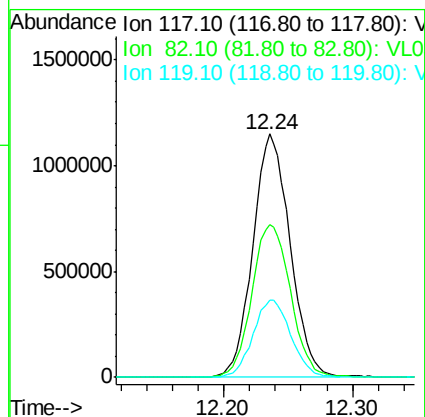
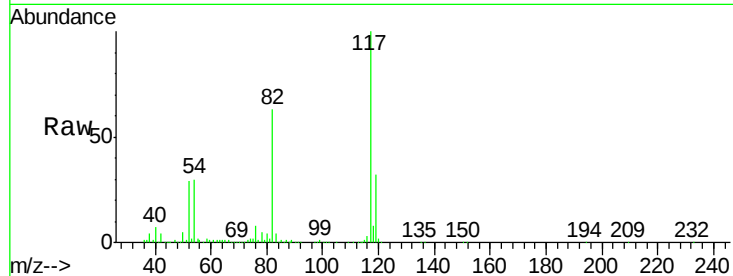
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

Instrument :
MSVOA_L
ClientSampleId :
QA1ADL

Tot Ion:117 Resp: 2312205
Ion Ratio Lower Upper
117 100
82 65.9 48.9 73.3
119 32.6 24.6 37.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.201 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

Tgt Ion: 95 Resp: 1808063
Ion Ratio Lower Upper
95 100
174 64.0 51.9 77.9
175 4.6 3.9 5.9

