

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033072.D
 Acq On : 4 Jan 2019 17:47
 Operator : SY/AP
 Sample : QC122718 CAN 10405
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC122718 CAN 10405

Quant Time: Jan 05 01:51:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 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	5.77	49	1069730	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2589036	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2485837	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1835333	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

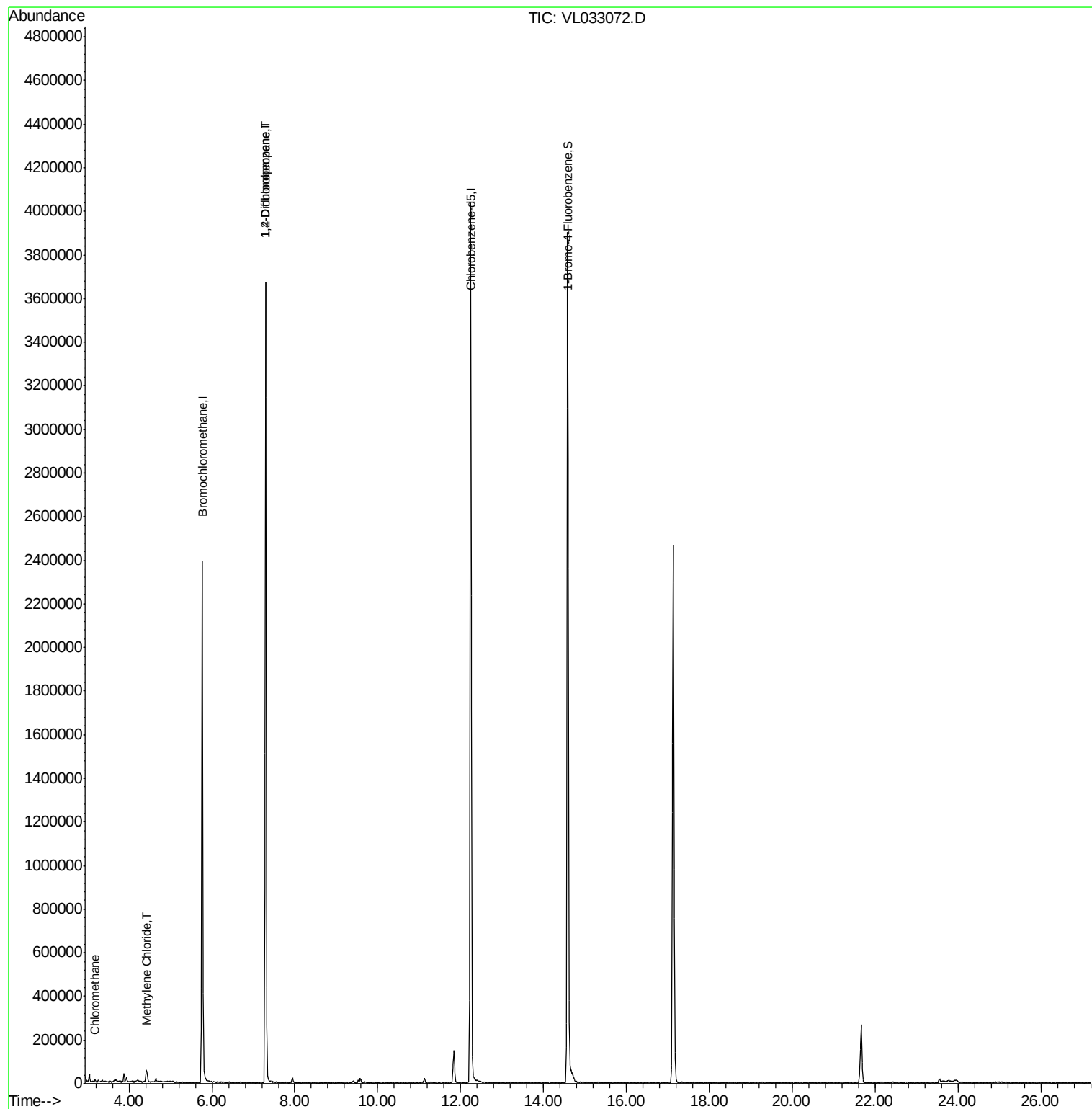
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.17	50	10458	0.151	ppbv #	76
20) Methylene Chloride	4.42	84	13972	0.226	ppbv #	81
39) 1,2-Dichloropropane	7.29	63	633635	7.953	ppbv #	22

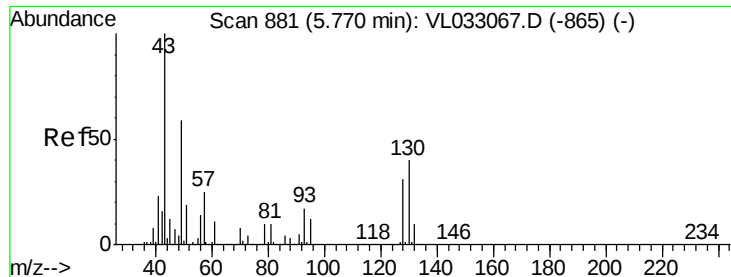
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033072.D

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Instrument :

MSVOA_L

ClientSampleId :

QC122718 CAN 10405

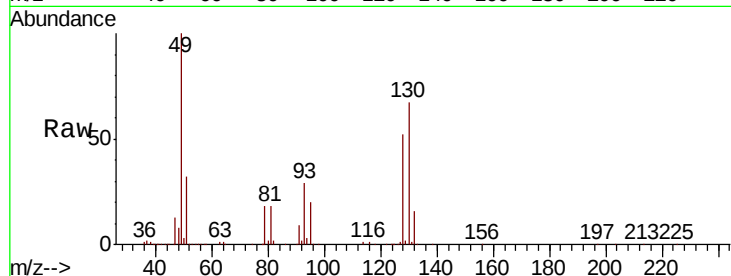
Tgt Ion: 49 Resp: 1069730

Ion Ratio Lower Upper

49 100

128 52.8 26.2 78.5

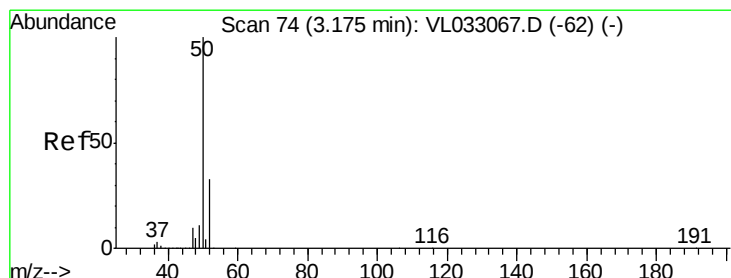
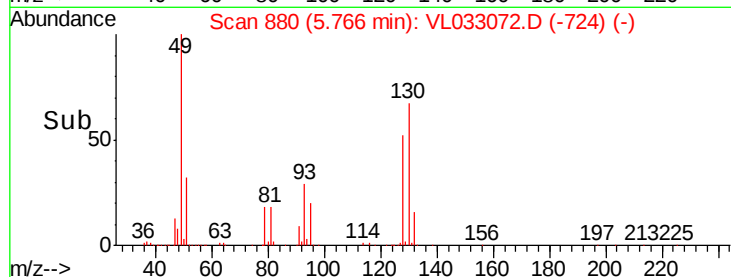
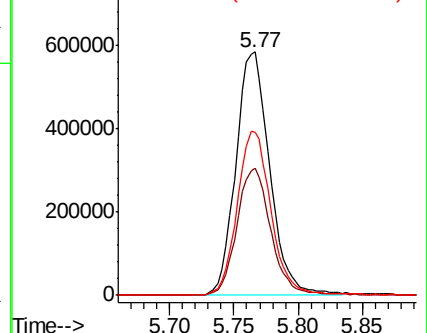
130 67.7 33.6 100.6



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



#4

Chloromethane

Concen: 0.151 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033072.D

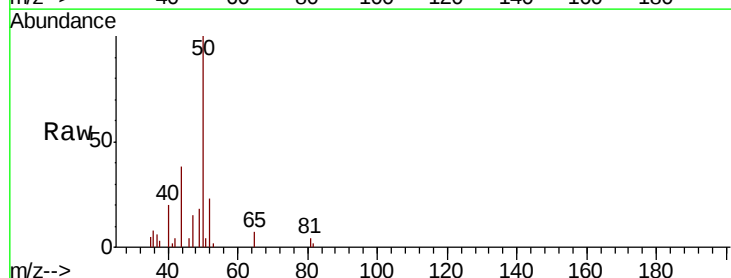
Acq: 4 Jan 2019 17:47

Tgt Ion: 50 Resp: 10458

Ion Ratio Lower Upper

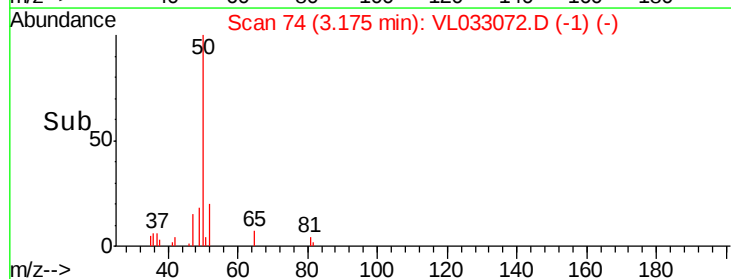
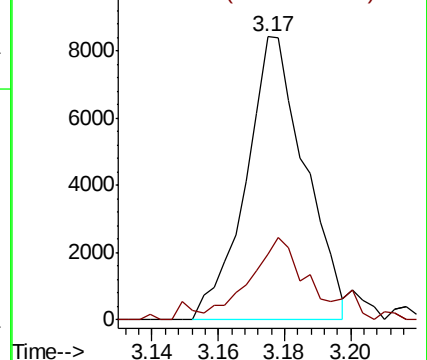
50 100

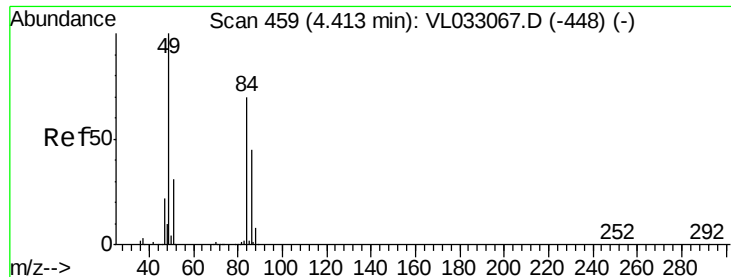
52 19.7 26.9 40.3#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

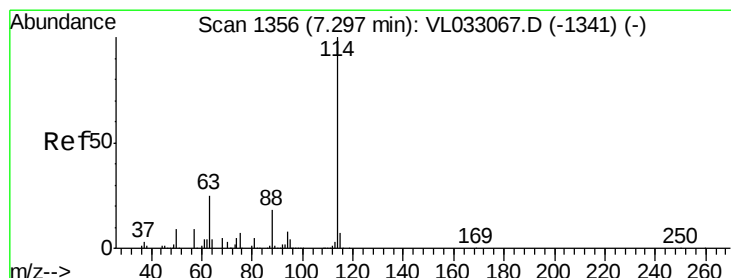
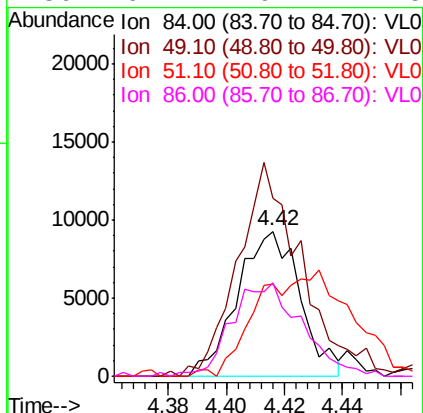
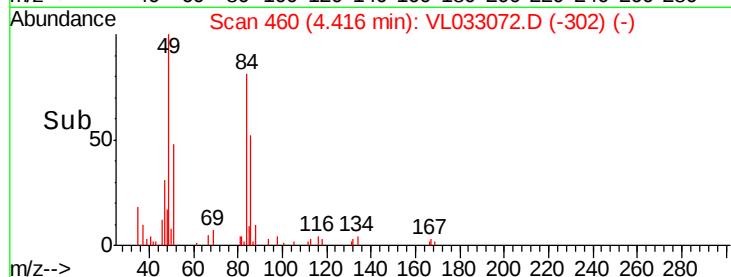
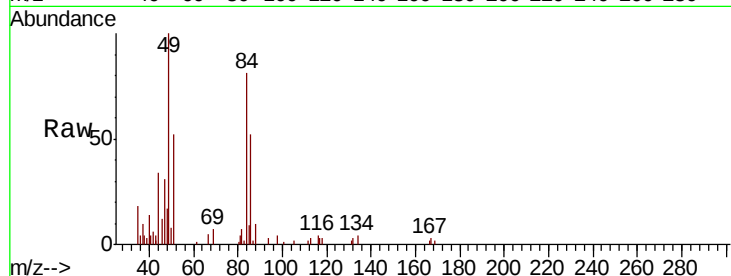




#20
Methylene Chloride
Concen: 0.226 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.01 min
Lab File: VL033072.D
Acq: 4 Jan 2019 17:47

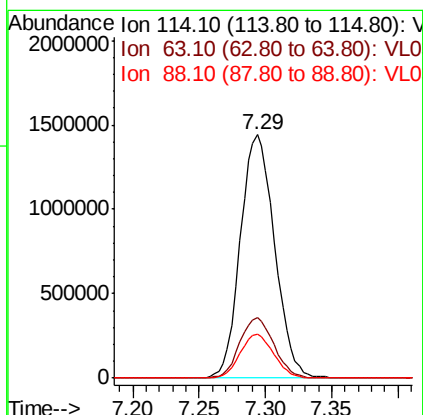
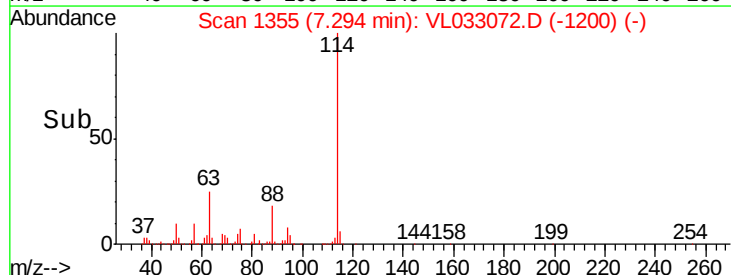
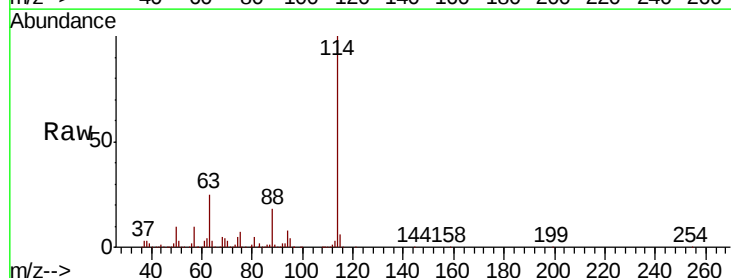
Instrument :
MSVOA_L
ClientSampleId :
QC122718 CAN 10405

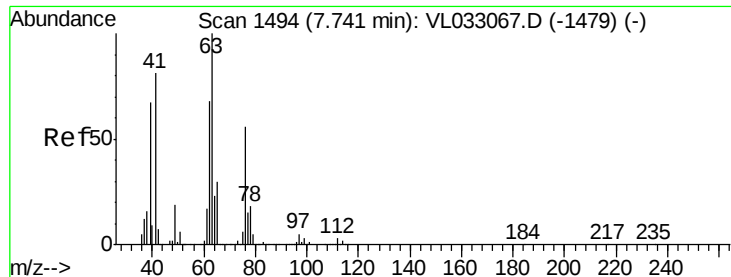
Tgt Ion: 84 Resp: 13972
Ion Ratio Lower Upper
84 100
49 115.7 115.8 173.6#
51 63.8 35.7 53.5#
86 61.7 49.7 74.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033072.D
Acq: 4 Jan 2019 17:47

Tgt Ion: 114 Resp: 2589036
Ion Ratio Lower Upper
114 100
63 24.7 20.1 30.1
88 17.7 14.0 21.0





#39

1,2-Dichloropropane

Concen: 7.953 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL033072.D

Acq: 4 Jan 2019 17:47

Instrument :

MSVOA_L

ClientSampleId :

QC122718 CAN 10405

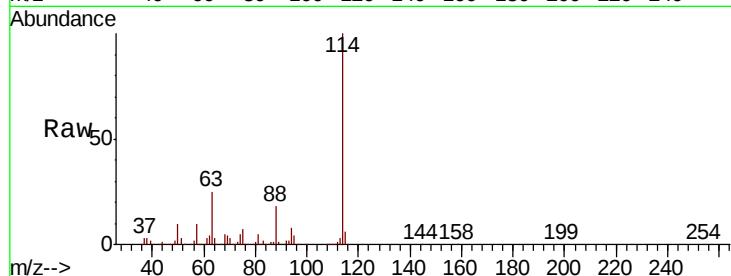
Tgt Ion: 63 Resp: 633635

Ion Ratio Lower Upper

63 100

41 0.1 61.9 92.9#

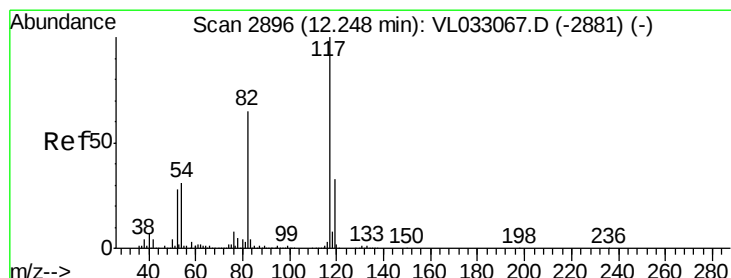
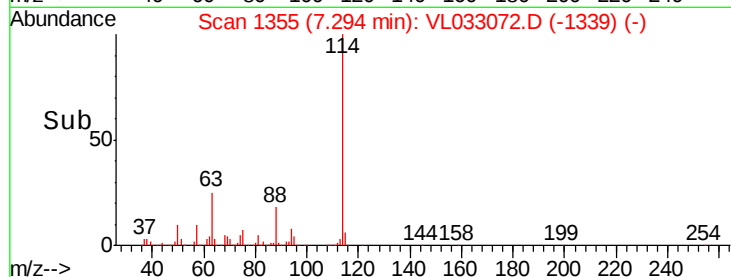
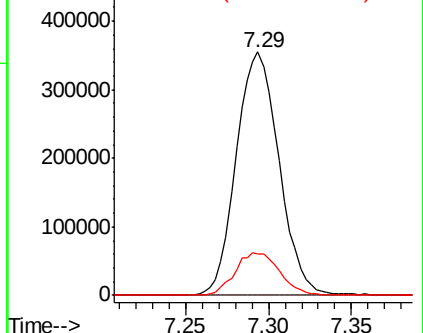
62 16.7 55.8 83.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL033072.D

Acq: 4 Jan 2019 17:47

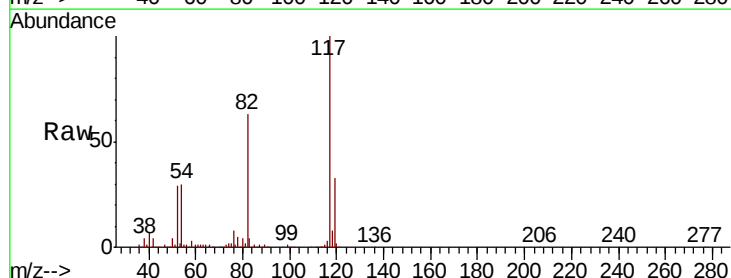
Tgt Ion: 117 Resp: 2485837

Ion Ratio Lower Upper

117 100

82 64.2 48.9 73.3

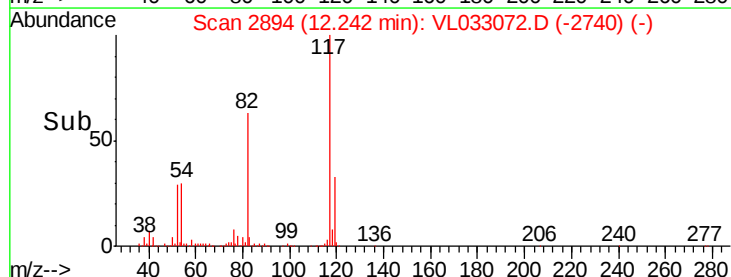
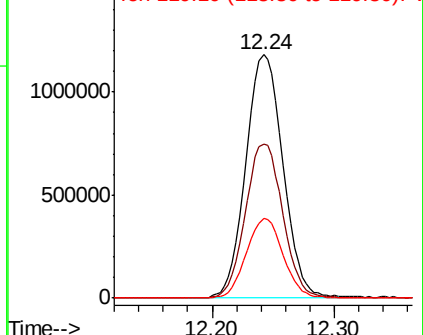
119 32.5 24.6 37.0

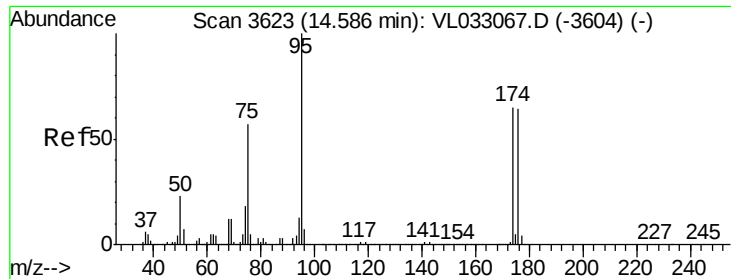


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.632 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL033072.D
 Acq: 4 Jan 2019 17:47

Instrument :
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 ClientSampleId :
 QC122718 CAN 10405

Tgt Ion: 95 Resp: 1835333
 Ion Ratio Lower Upper
 95 100
 174 65.9 51.9 77.9
 175 4.8 3.9 5.9

