

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033904.D
 Acq On : 13 Jun 2019 19:24
 Operator : SY/AP
 Sample : OC061219 CAN 10490
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:33:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	795132	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	1967333	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	1849666	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1442076	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

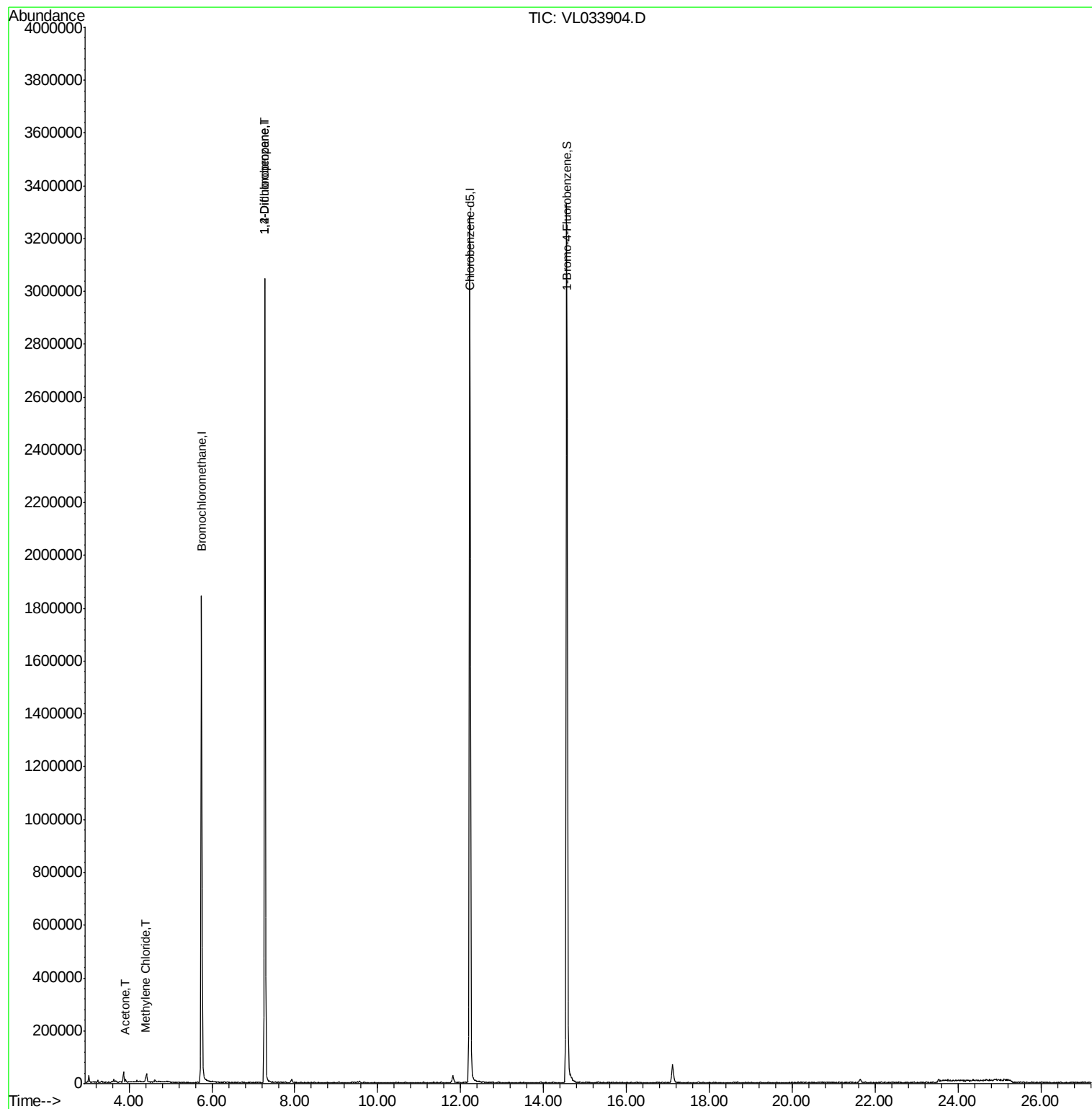
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.92	43	8169	0.070	ppbv #	86
20) Methylene Chloride	4.39	84	2620	0.058	ppbv #	78
39) 1,2-Dichloropropane	7.27	63	521073	8.984	ppbv #	25

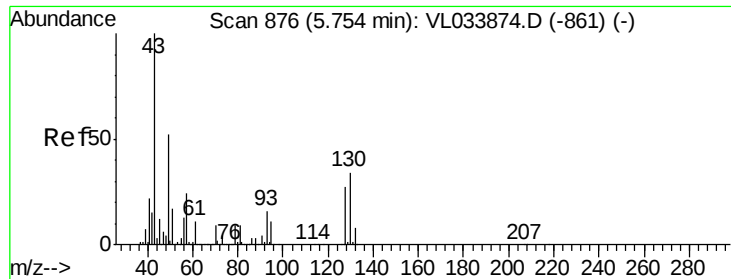
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033904.D

Acq: 13 Jun 2019 19:24

Instrument :
MSVOA_L
ClientSampled :

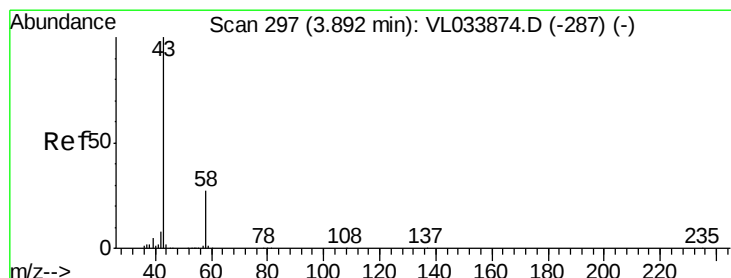
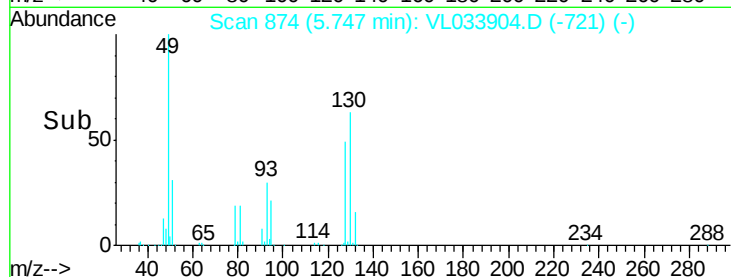
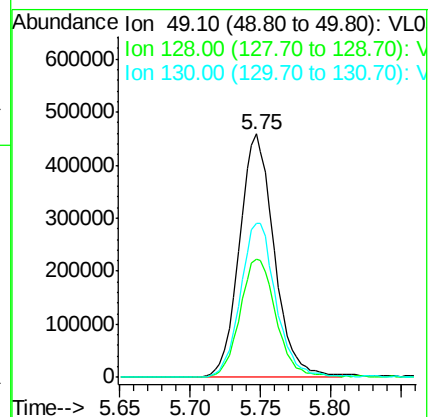
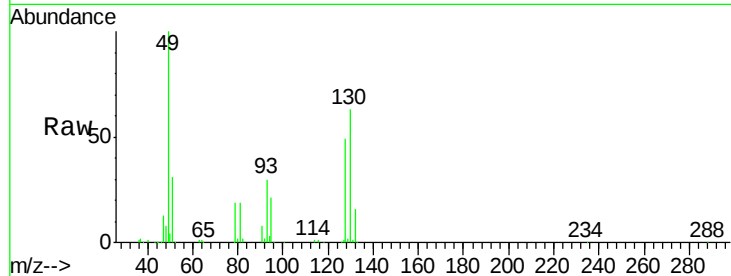
Tot Ion: 49 Resp: 795132

Ion Ratio Lower Upper

49 100

128 50.9 25.5 76.5

130 65.4 32.5 97.4



#15

Acetone

Concen: 0.070 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.03 min

Lab File: VL033904.D

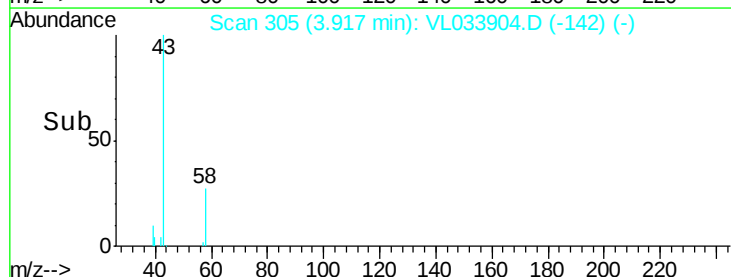
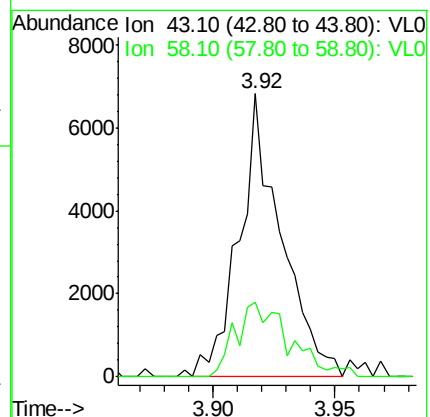
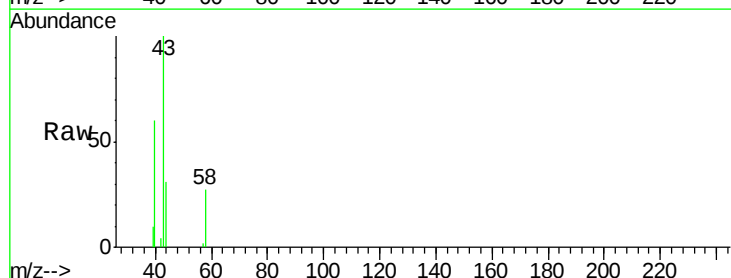
Acq: 13 Jun 2019 19:24

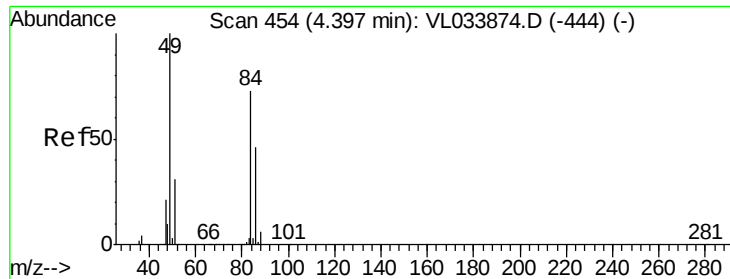
Tgt Ion: 43 Resp: 8169

Ion Ratio Lower Upper

43 100

58 33.9 21.3 31.9#

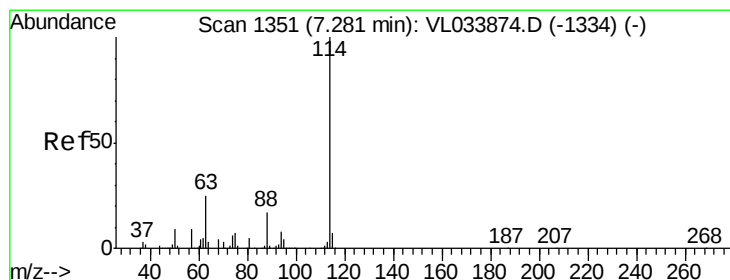
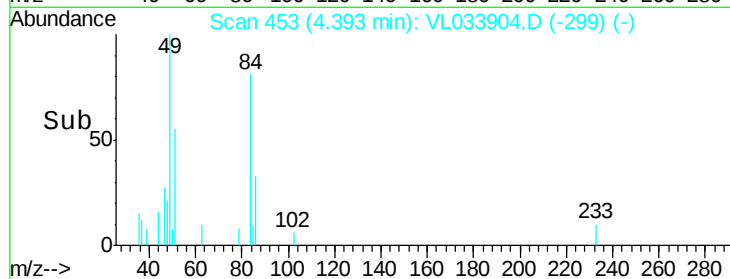
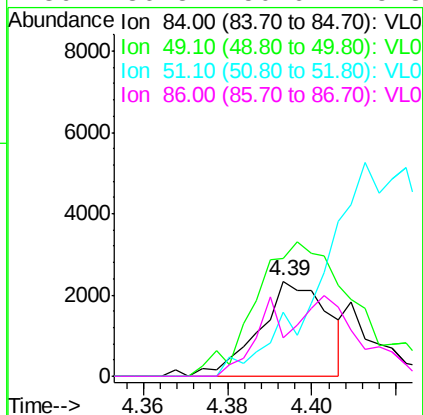
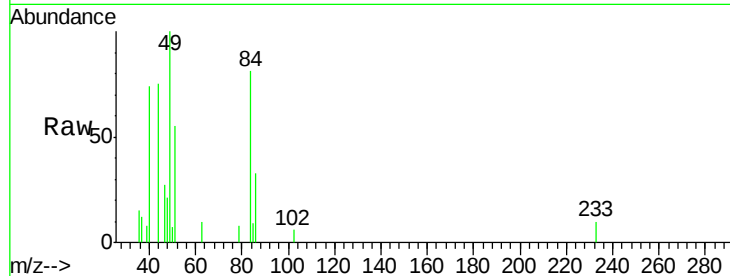




#20
Methylene Chloride
Concen: 0.058 ppbv
RT: 4.39 min Scan# 453
Delta R.T. -0.00 min
Lab File: VL033904.D
Acq: 13 Jun 2019 19:24

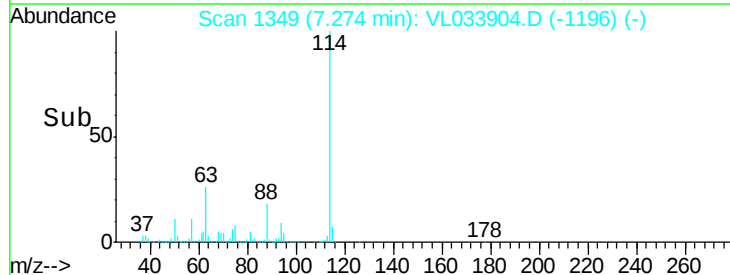
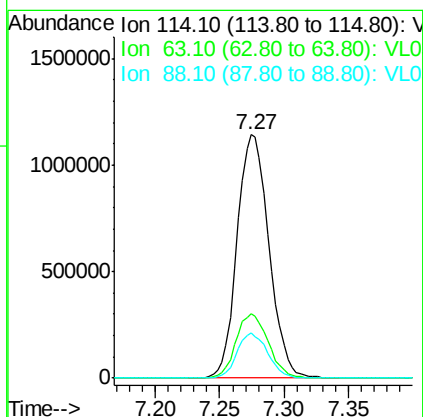
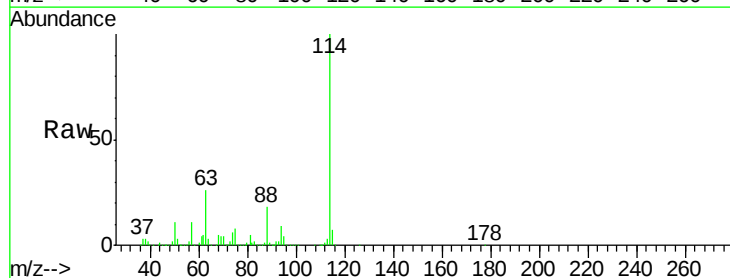
Instrument :
MSVOA_L
ClientSampleId :

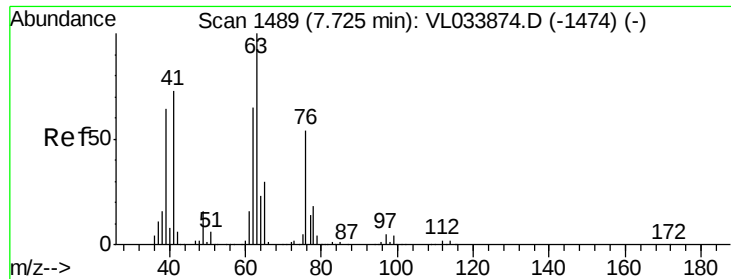
Tot Ion: 84 Resp: 2620
Ion Ratio Lower Upper
84 100
49 119.5 110.0 165.0
51 60.9 34.6 51.8#
86 36.8 50.6 75.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL033904.D
Acq: 13 Jun 2019 19:24

Tgt Ion: 114 Resp: 1967333
Ion Ratio Lower Upper
114 100
63 26.7 21.1 31.7
88 17.9 14.2 21.4





#39

1,2-Dichloropropane

Concen: 8.984 ppbv

RT: 7.27 min Scan# 1349

Delta R.T. -0.45 min

Lab File: VL033904.D

Acq: 13 Jun 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

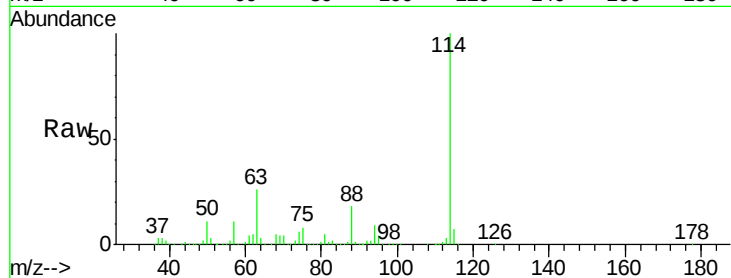
Tot Ion: 63 Resp: 521073

Ion Ratio Lower Upper

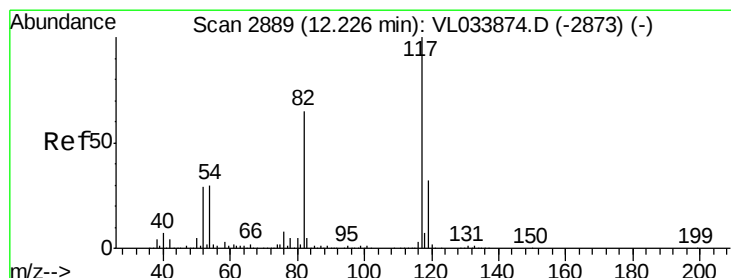
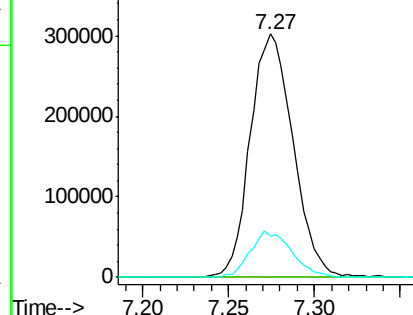
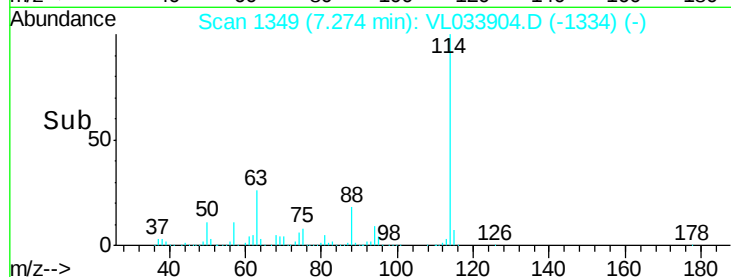
63 100

41 0.1 58.7 88.1#

62 17.2 51.9 77.9#



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: 12.22 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL033904.D

Acq: 13 Jun 2019 19:24

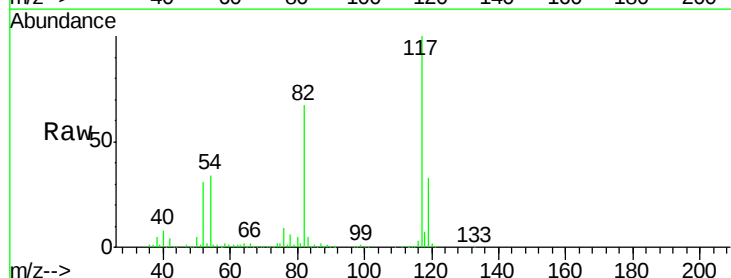
Tgt Ion: 117 Resp: 1849666

Ion Ratio Lower Upper

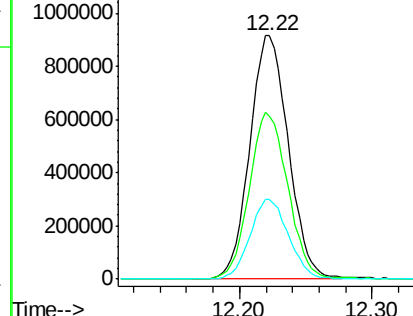
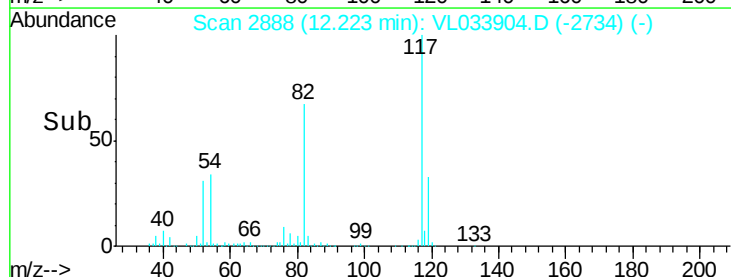
117 100

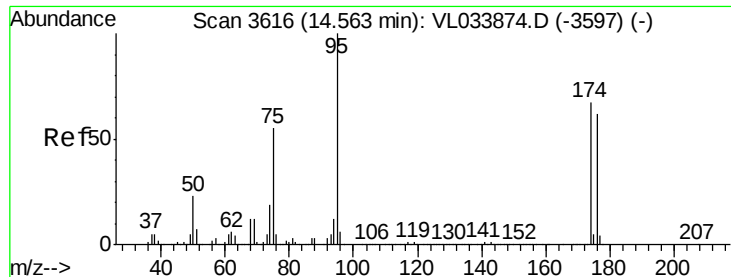
82 69.0 50.2 75.2

119 32.9 24.8 37.2



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: 9.492 ppbv

RT: 14.56 min Scan# 3615

Delta R.T. -0.00 min

Lab File: VL033904.D

Acq: 13 Jun 2019 19:24

Instrument :

MSVOA_L

ClientSampleId :

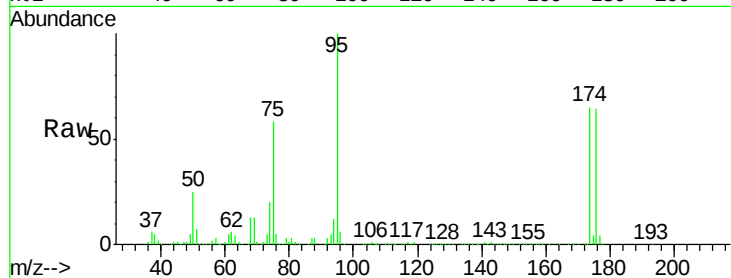
Tot Ion: 95 Resp: 1442076

Ion Ratio Lower Upper

95 100

174 65.4 54.0 81.0

175 4.6 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

