

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035061.D
 Acq On : 20 May 2020 2:09
 Operator : SY/AP
 Sample : L2683-07DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FL-SSDL

Quant Time: May 20 07:18:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1099261	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2503515	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2402028	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2026214	10.42	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

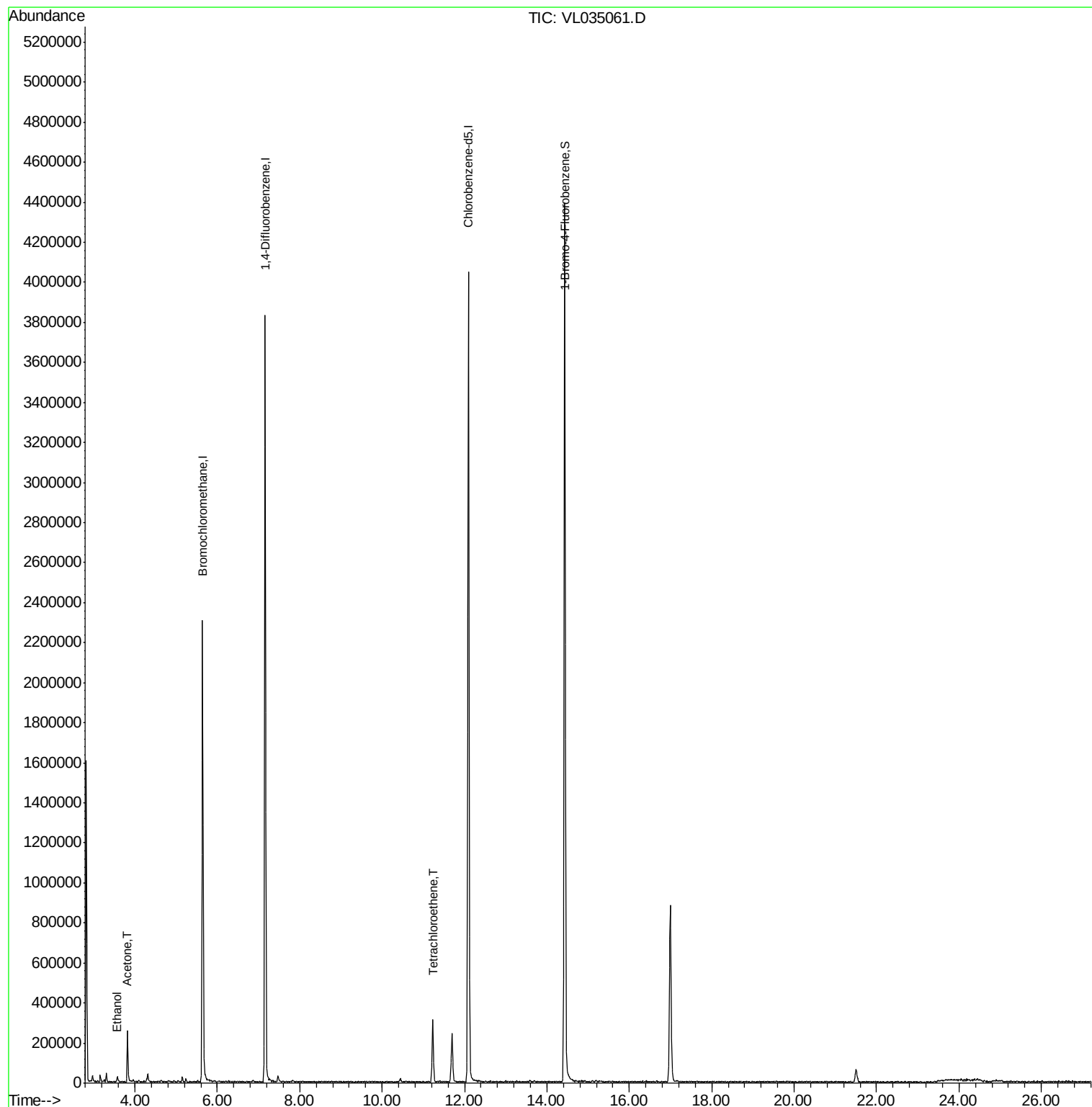
Target Compounds					Ovalue
13) Ethanol	3.57	45	20830	1.159 ppbv	97
15) Acetone	3.82	43	235735	1.622 ppbv	98
52) Tetrachloroethene	11.23	164	74716	1.018 ppbv	85

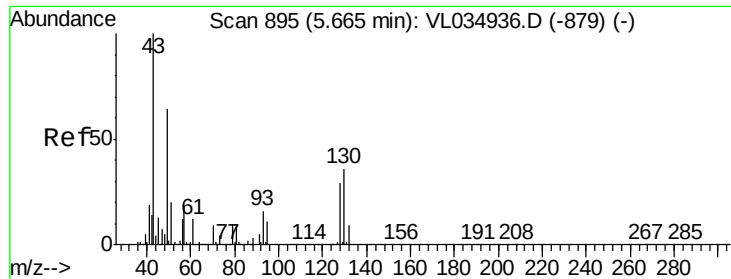
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035061.D

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Instrument :

MSVOA_L

ClientSampleId :

FL-SSDL

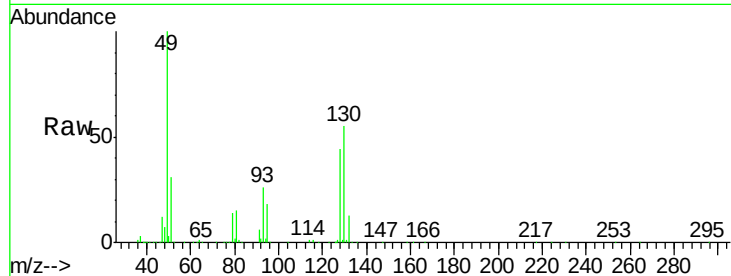
Tot Ion: 49 Resp: 1099261

Ion Ratio Lower Upper

49 100

128 45.5 22.1 66.5

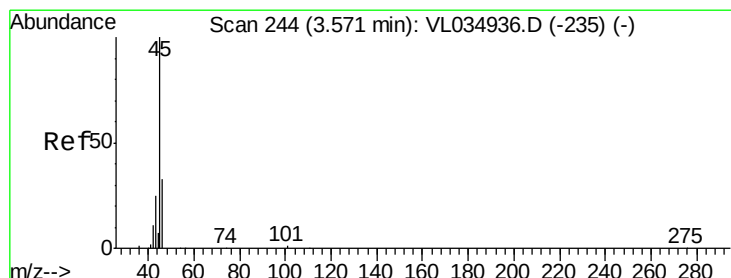
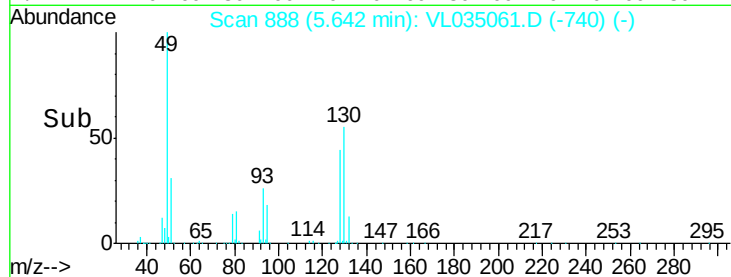
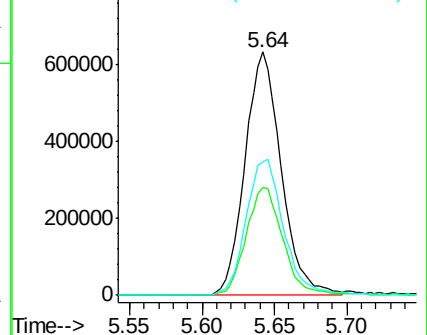
130 58.7 29.1 87.3



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



#13

Ethanol

Concen: 1.159 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL035061.D

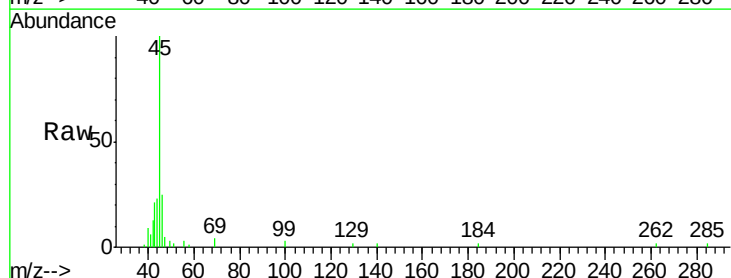
Acq: 20 May 2020 2:09

Tgt Ion: 45 Resp: 20830

Ion Ratio Lower Upper

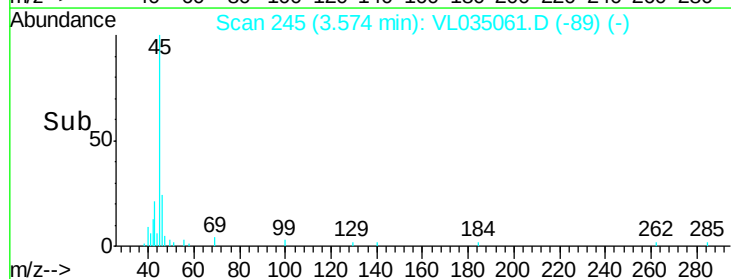
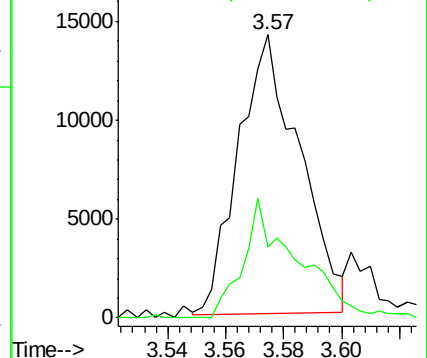
45 100

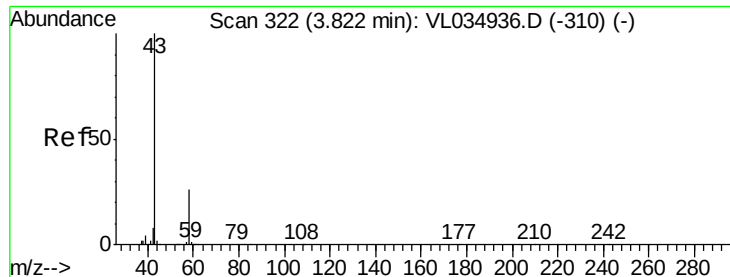
46 37.6 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.622 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.00 min

Lab File: VL035061.D

Acq: 20 May 2020 2:09

Instrument :

MSVOA_L

ClientSampleId :

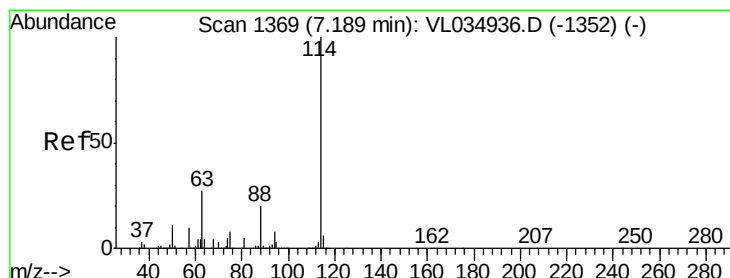
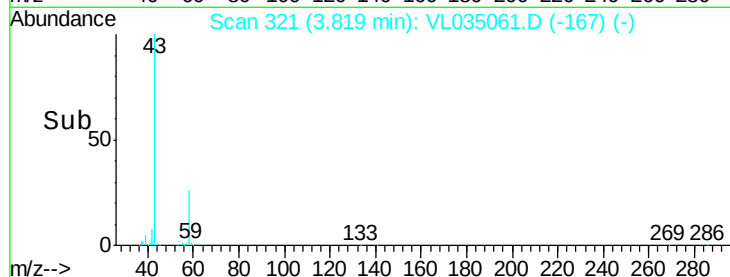
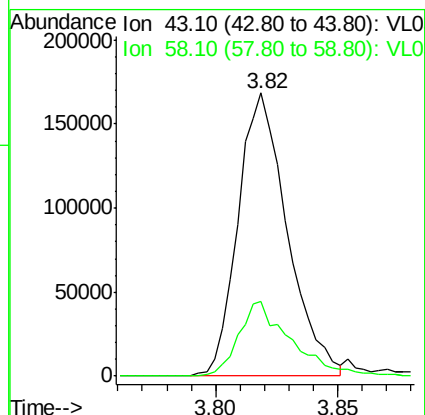
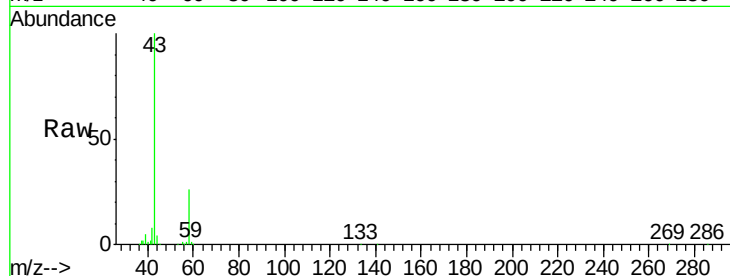
FL-SSDL

Tot Ion: 43 Resp: 235735

Ion Ratio Lower Upper

43 100

58 27.9 21.7 32.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.03 min

Lab File: VL035061.D

Acq: 20 May 2020 2:09

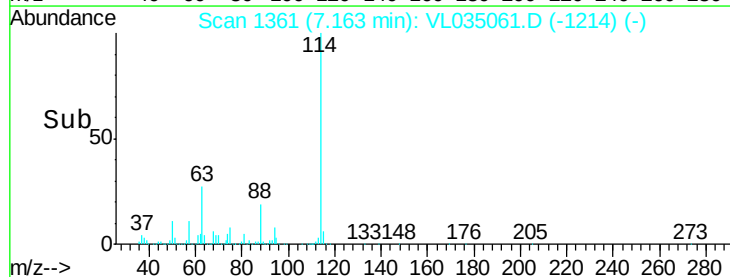
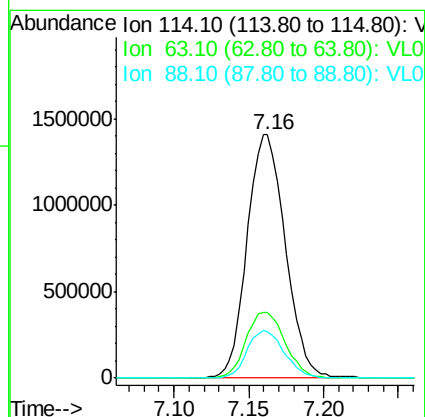
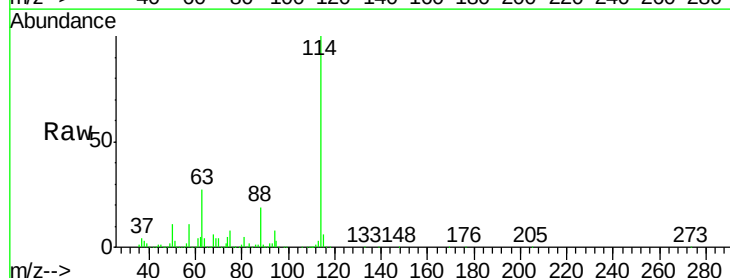
Tgt Ion: 114 Resp: 2503515

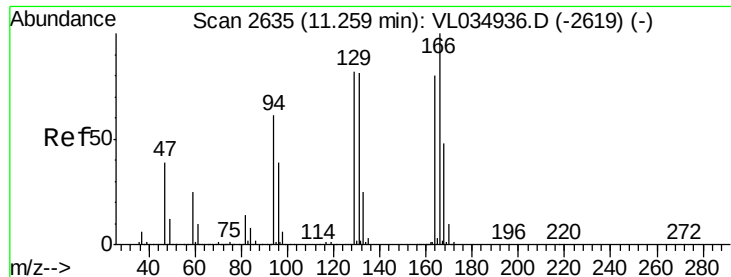
Ion Ratio Lower Upper

114 100

63 28.0 22.2 33.4

88 19.2 15.5 23.3





#52

Tetrachloroethene

Concen: 1.018 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.03 min

Lab File: VL035061.D

Acq: 20 May 2020 2:09

Instrument :

MSVOA_L

ClientSampleId :

FL-SSDL

Tot Ion:164 Resp: 74716

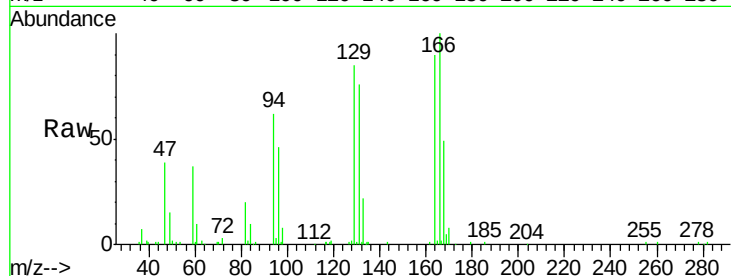
Ion Ratio Lower Upper

164 100

166 109.3 100.7 151.1

129 93.7 83.0 124.4

131 81.5 81.0 121.4

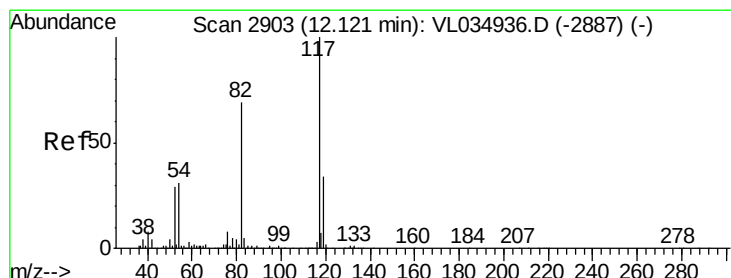
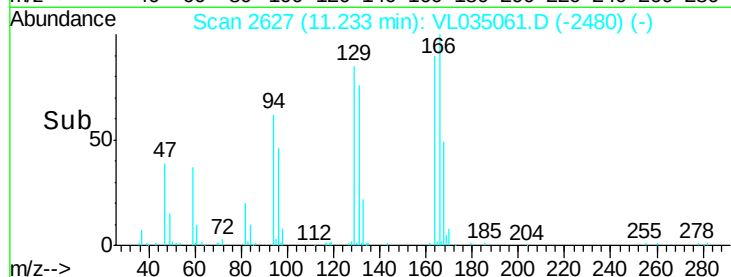
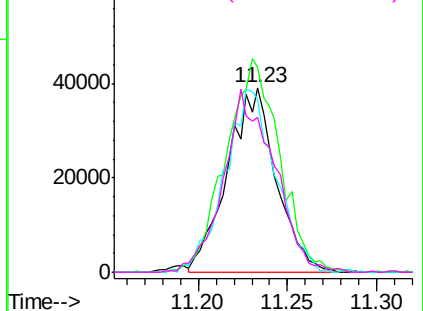


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.03 min

Lab File: VL035061.D

Acq: 20 May 2020 2:09

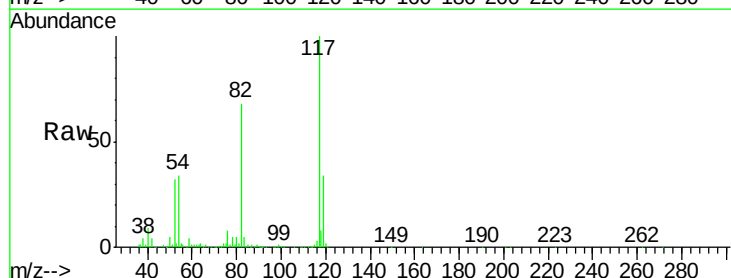
Tgt Ion:117 Resp: 2402028

Ion Ratio Lower Upper

117 100

82 69.9 53.1 79.7

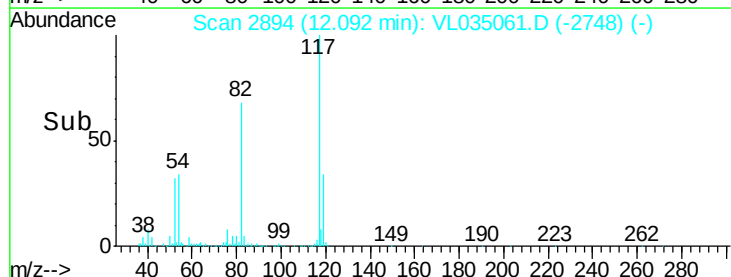
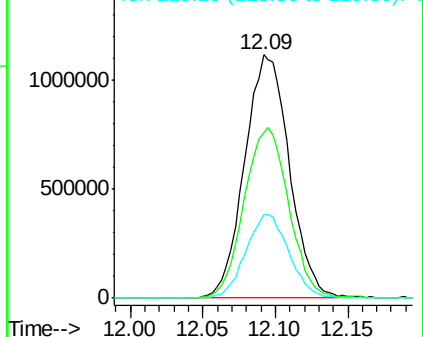
119 33.3 26.7 40.1

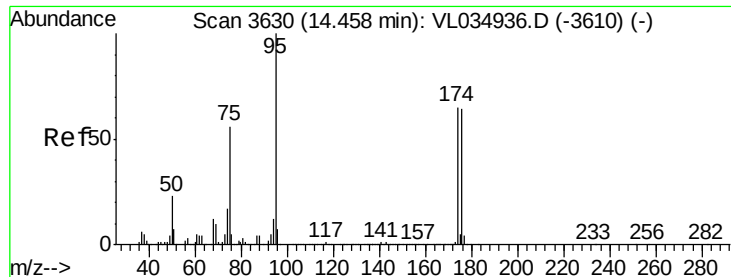


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.421 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.03 min

Lab File: VL035061.D

Acq: 20 May 2020 2:09

Instrument :

MSVOA_L

ClientSampleId :

FL-SSDL

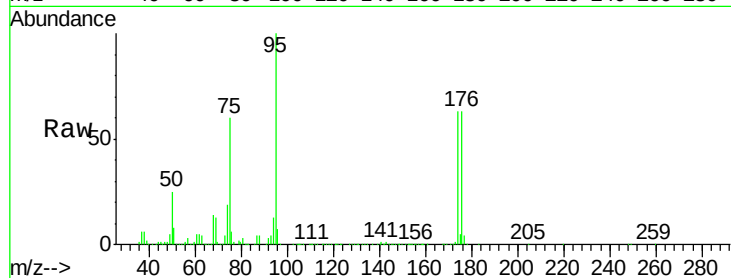
Tot Ion: 95 Resp: 2026214

Ion Ratio Lower Upper

95 100

174 65.0 51.5 77.3

175 4.8 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

