

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035561.D
 Acq On : 8 Sep 2020 18:11
 Operator : SY/AP
 Sample : L3898-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Sep 09 09:03:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1211632	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	5003851	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	5059142	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3732682	10.39	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

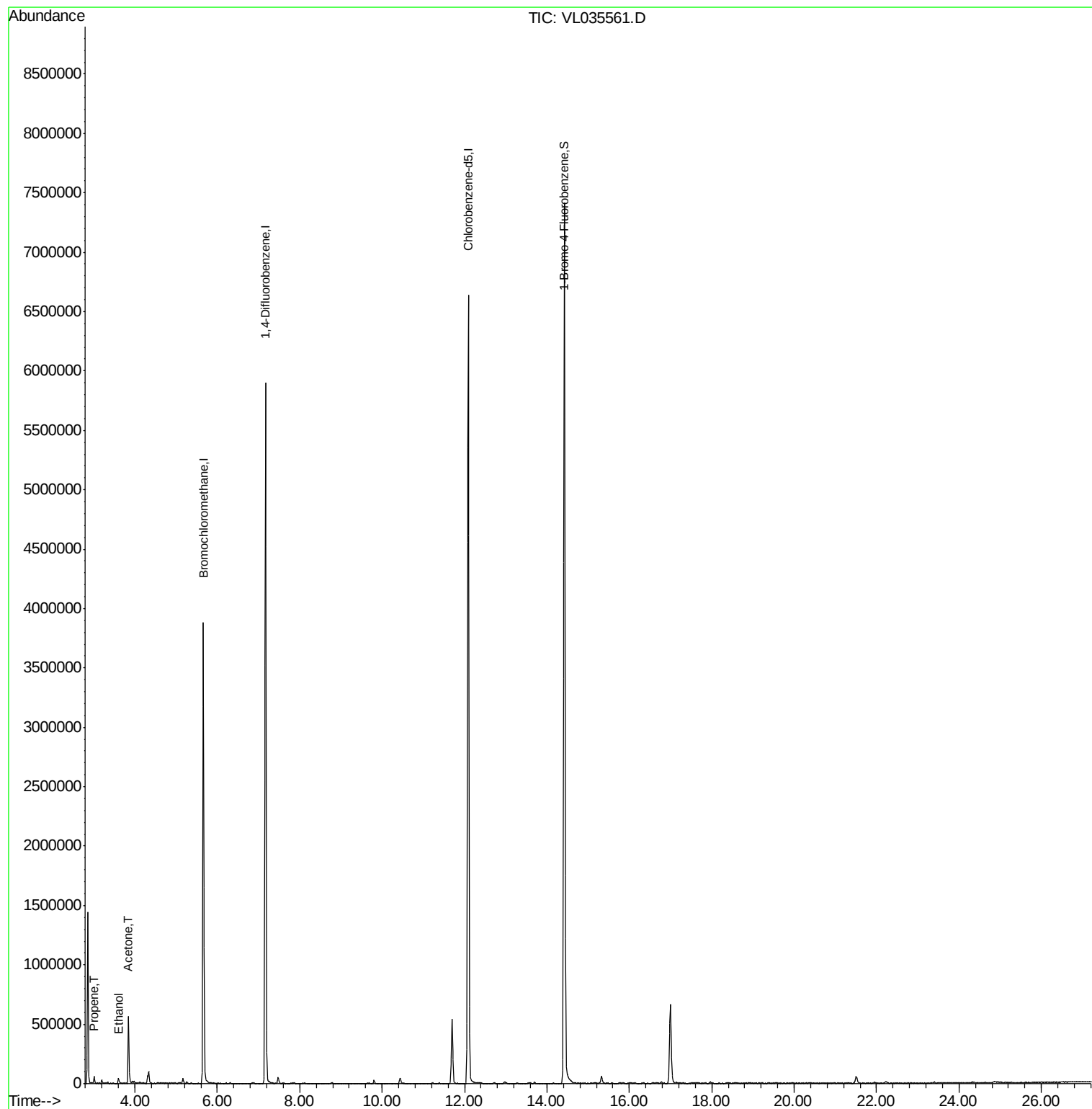
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	14554	0.282	ppbv	# 69
13) Ethanol	3.60	45	40626	3.172	ppbv	99
15) Acetone	3.84	43	534818	4.002	ppbv	99

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

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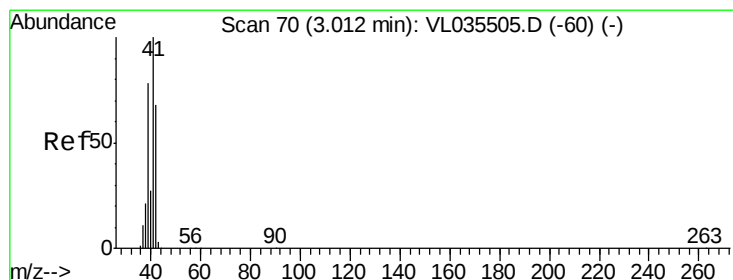
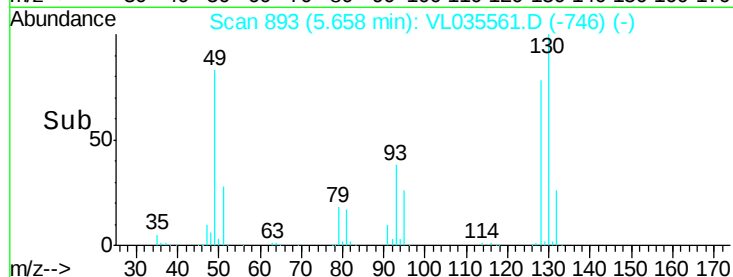
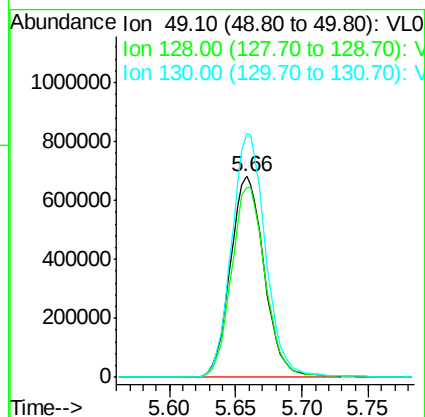
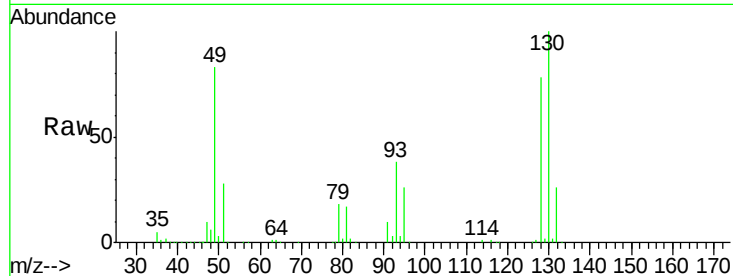




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.03 min
 Lab File: VL035561.D
 Acq: 8 Sep 2020 18:11

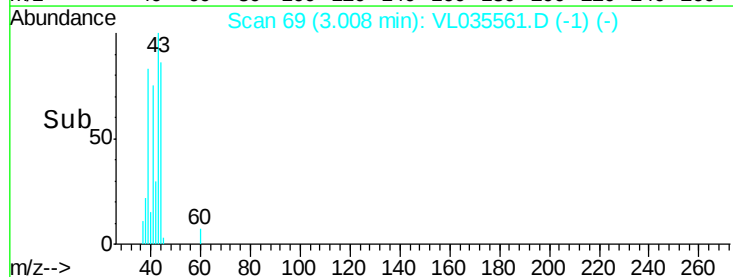
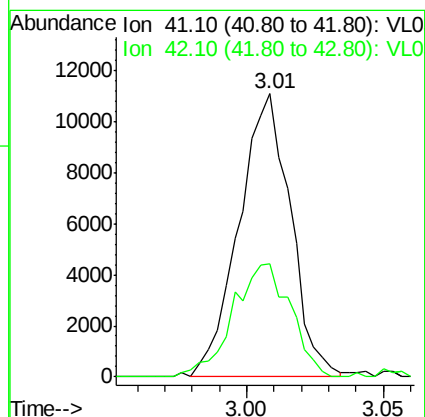
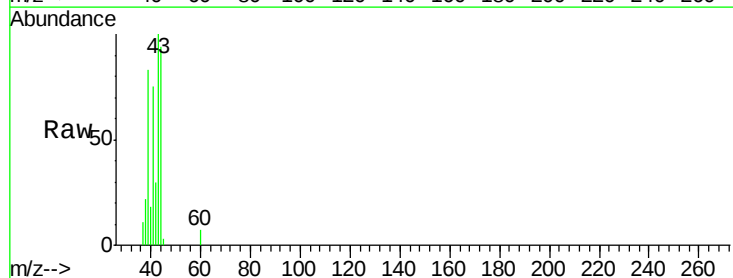
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

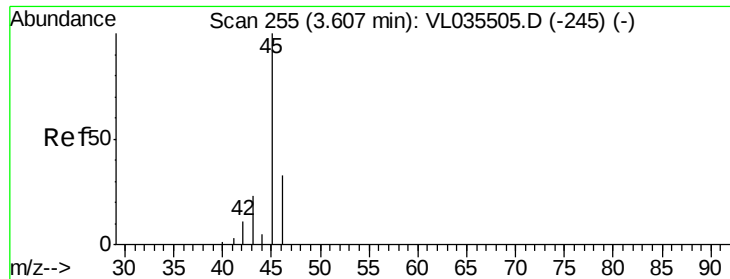
Tot Ion: 49 Resp: 1211632
 Ion Ratio Lower Upper
 49 100
 128 95.9 50.0 150.1
 130 122.1 64.4 193.2



#9
 Propene
 Concen: 0.282 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: VL035561.D
 Acq: 8 Sep 2020 18:11

Tgt Ion: 41 Resp: 14554
 Ion Ratio Lower Upper
 41 100
 42 44.8 56.3 84.5#





#13

Ethanol

Concen: 3.172 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035561.D

Acq: 8 Sep 2020 18:11

Instrument :

MSVOA_L

ClientSampleId :

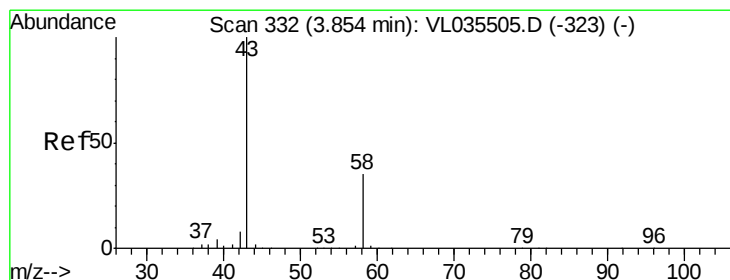
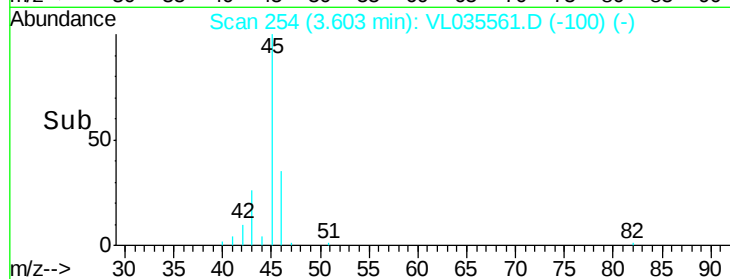
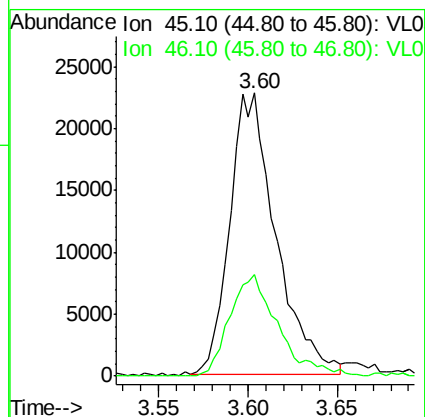
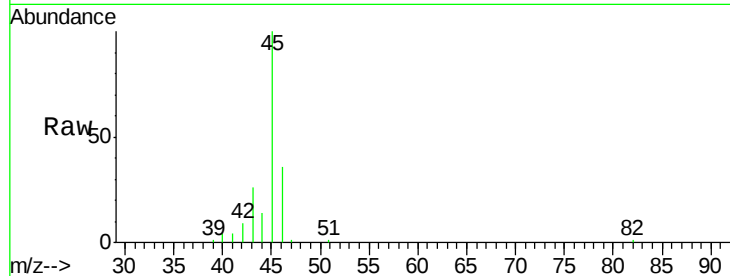
IA-2DL

Tot Ion: 45 Resp: 40626

Ion Ratio Lower Upper

45 100

46 38.4 15.2 60.6



#15

Acetone

Concen: 4.002 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035561.D

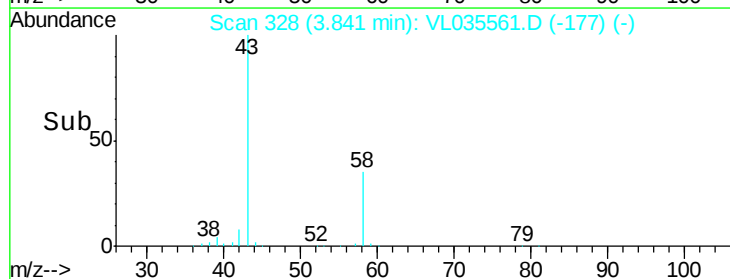
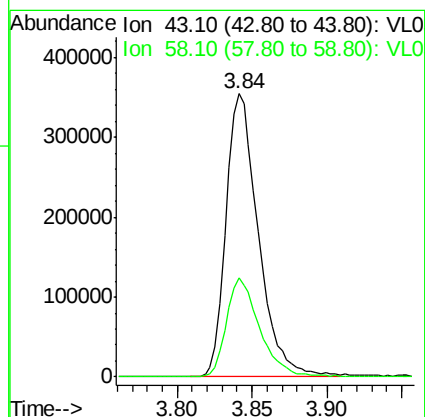
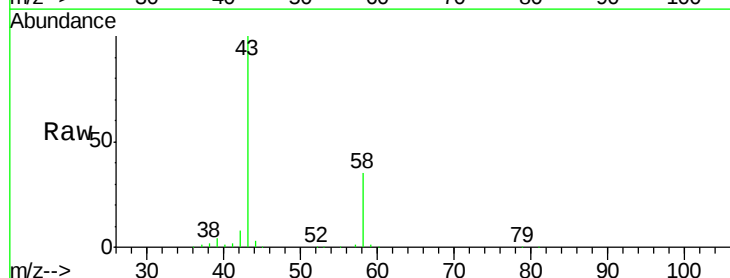
Acq: 8 Sep 2020 18:11

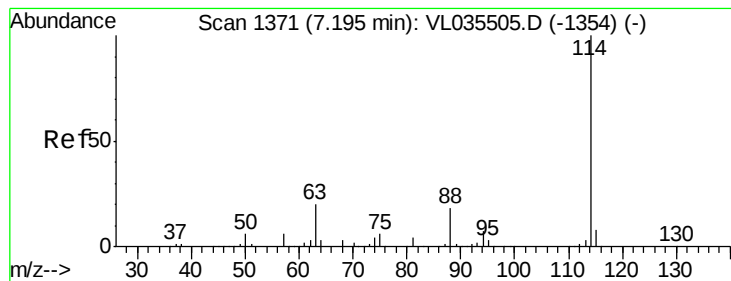
Tgt Ion: 43 Resp: 534818

Ion Ratio Lower Upper

43 100

58 36.1 28.4 42.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL035561.D

Acq: 8 Sep 2020 18:11

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

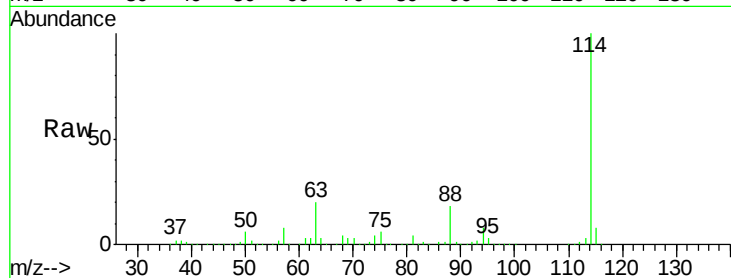
Tot Ion:114 Resp: 5003851

Ion Ratio Lower Upper

114 100

63 18.7 14.7 22.1

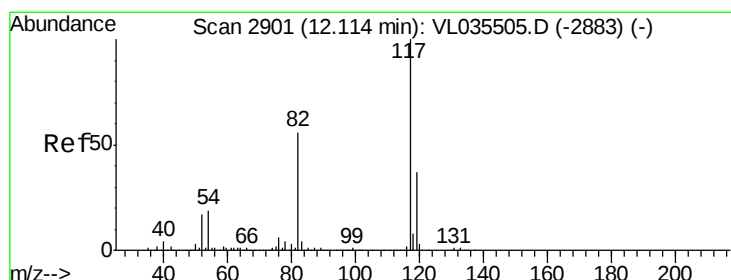
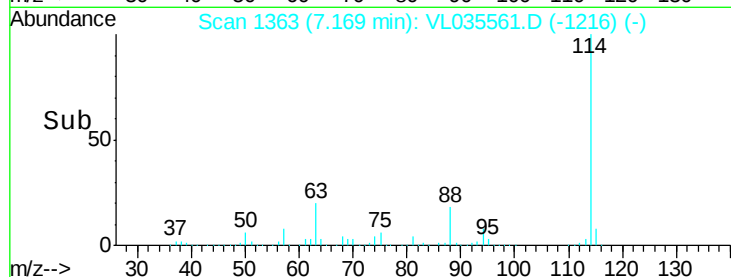
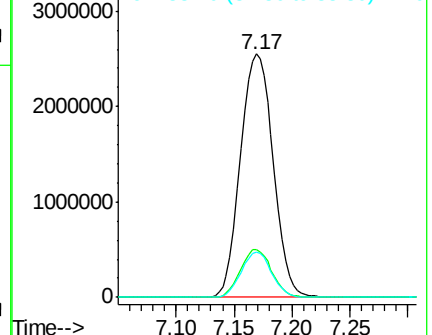
88 17.3 13.4 20.2



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: 12.09 min Scan# 2893

Delta R.T. -0.03 min

Lab File: VL035561.D

Acq: 8 Sep 2020 18:11

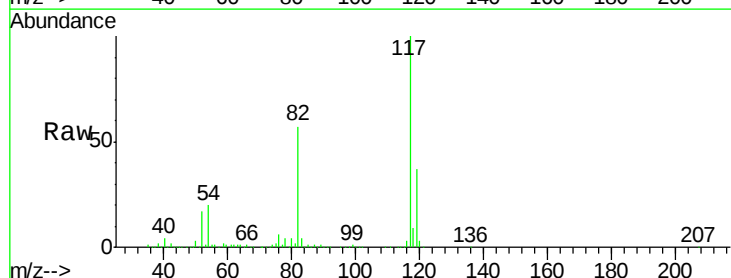
Tgt Ion:117 Resp: 5059142

Ion Ratio Lower Upper

117 100

82 55.7 41.6 62.4

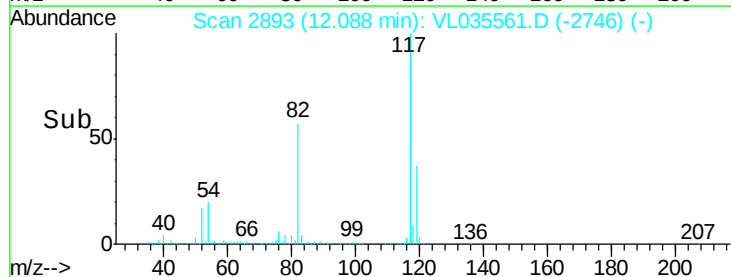
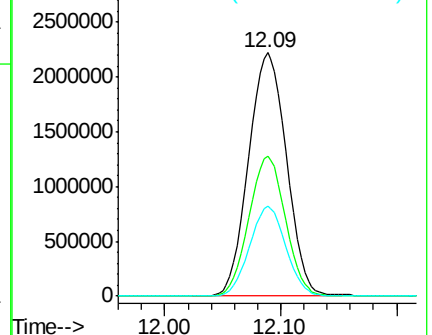
119 35.5 29.3 43.9

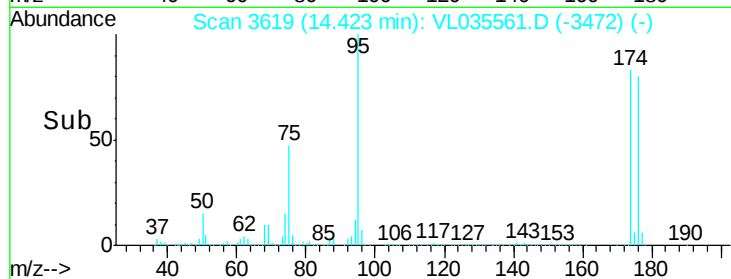
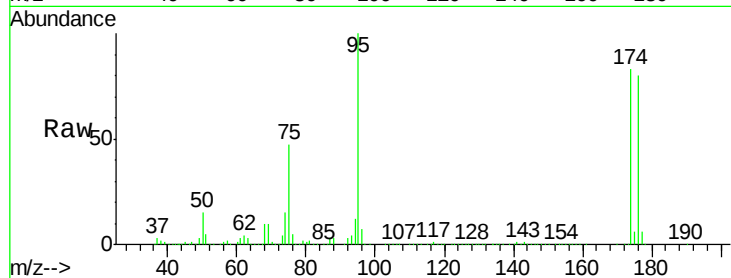
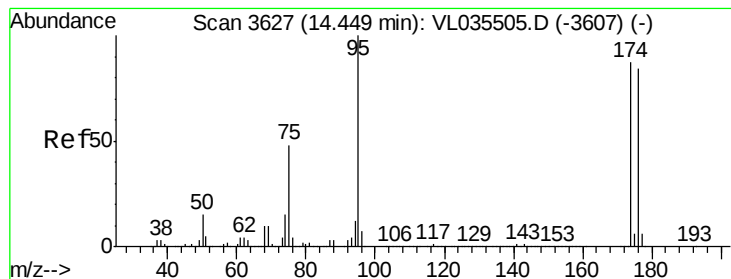


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.390 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.03 min

Lab File: VL035561.D

Acq: 8 Sep 2020 18:11

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion: 95 Resp: 3732682

Ion Ratio Lower Upper

95 100

174 84.8 69.6 104.4

175 6.2 5.1 7.7

