

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035556.D
 Acq On : 8 Sep 2020 14:36
 Operator : SY/AP
 Sample : OC090220 CAN 10401
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC090220 CAN 10401

Quant Time: Sep 09 02:35:44 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	1129902	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4747219	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4766267	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3473807	10.26	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

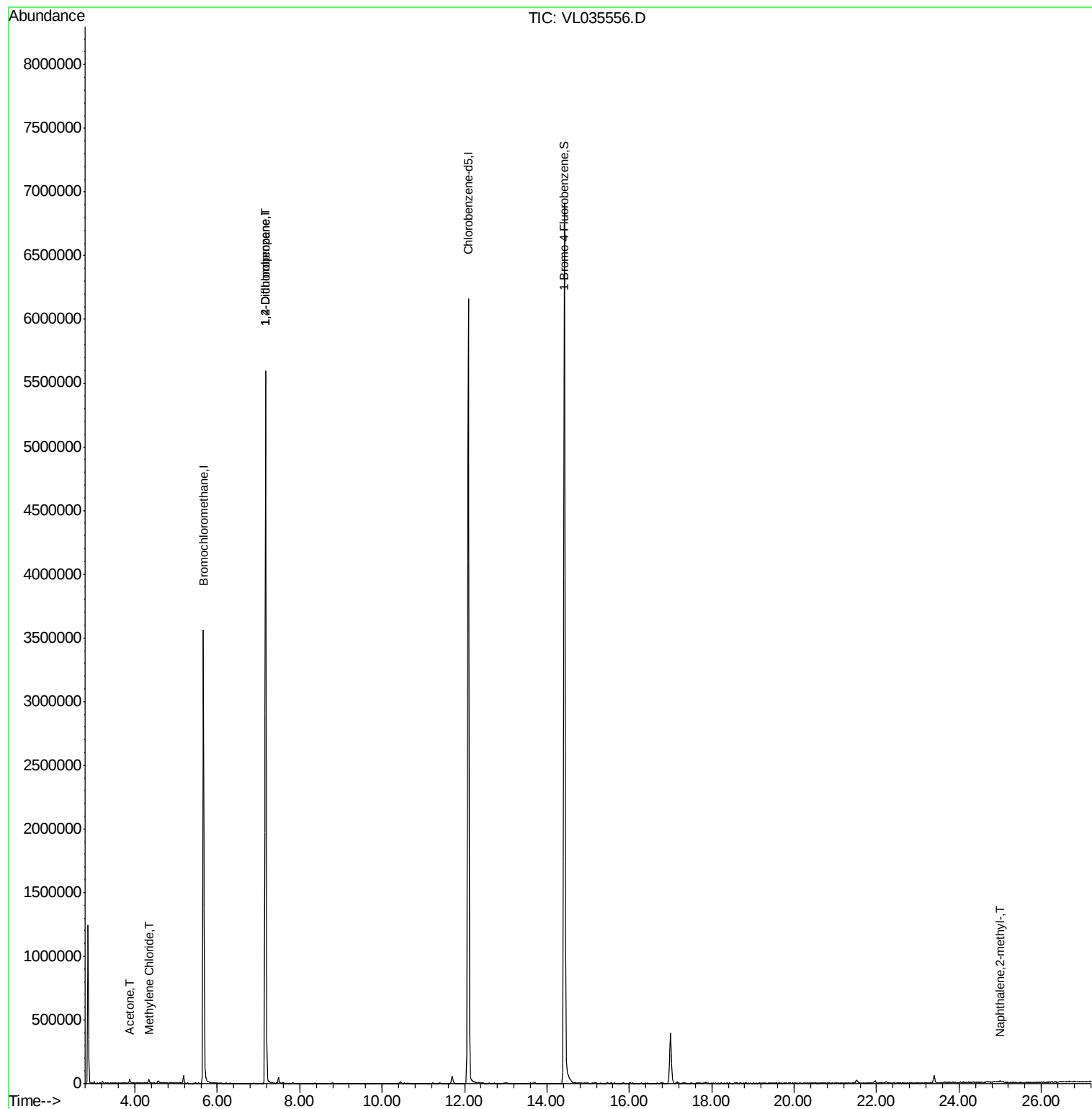
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	19682	0.158	ppbv #	1
20) Methylene Chloride	4.34	84	10798	0.116	ppbv	94
39) 1,2-Dichloropropane	7.17	63	884524	8.521	ppbv #	33
80) Naphthalene,2-methyl-	24.99	142	9240	0.046	ppbv	94

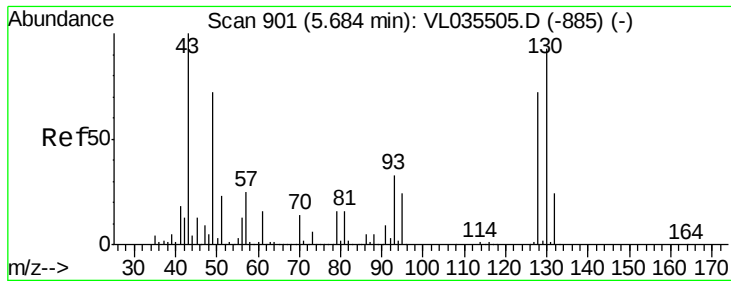
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035556.D

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Instrument :

MSVOA_L

ClientSampleId :

QC090220 CAN 10401

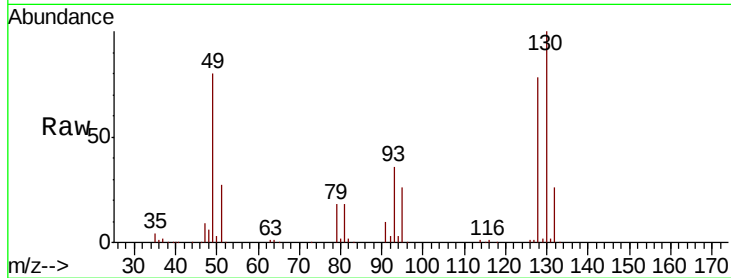
Tot Ion: 49 Resp: 1129902

Ion Ratio Lower Upper

49 100

128 97.8 50.0 150.1

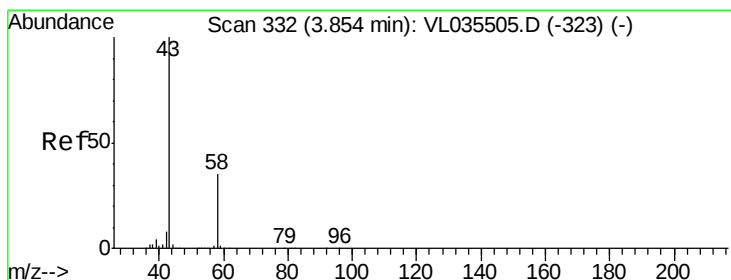
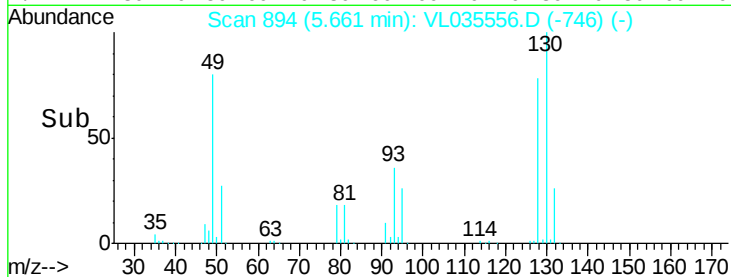
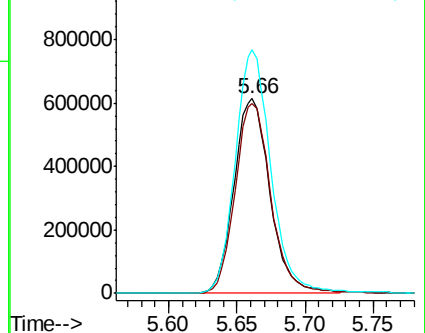
130 124.8 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 0.158 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035556.D

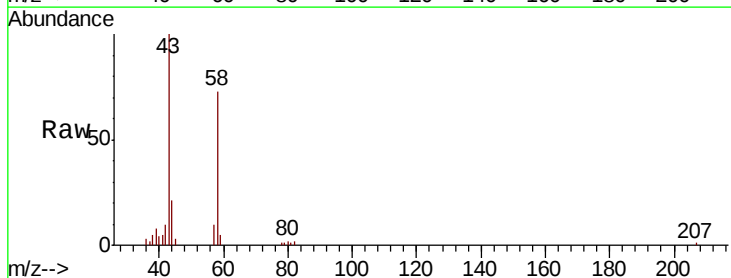
Acq: 8 Sep 2020 14:36

Tgt Ion: 43 Resp: 19682

Ion Ratio Lower Upper

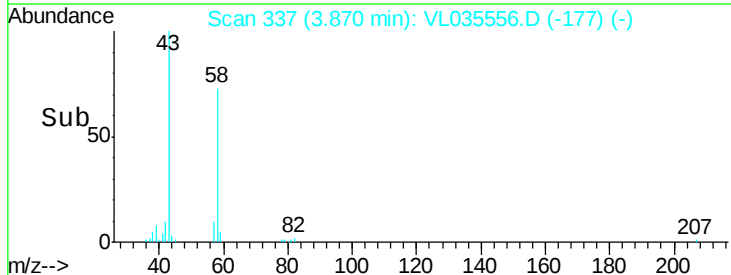
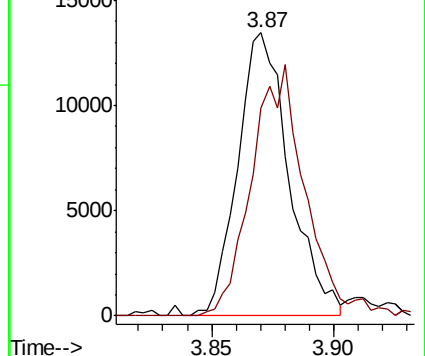
43 100

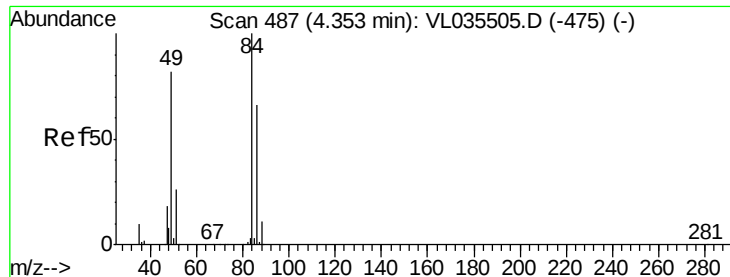
58 93.3 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

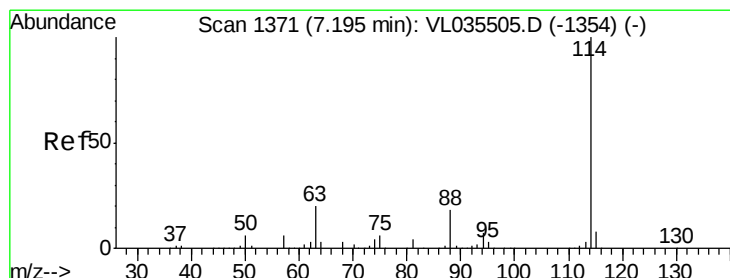
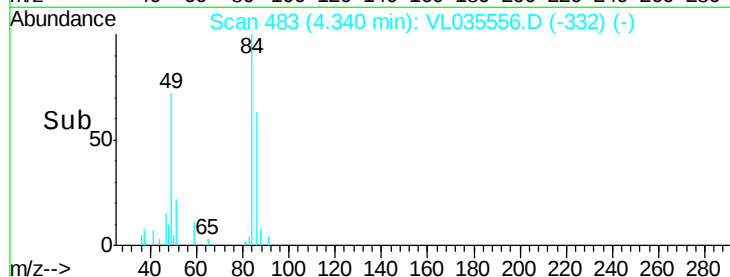
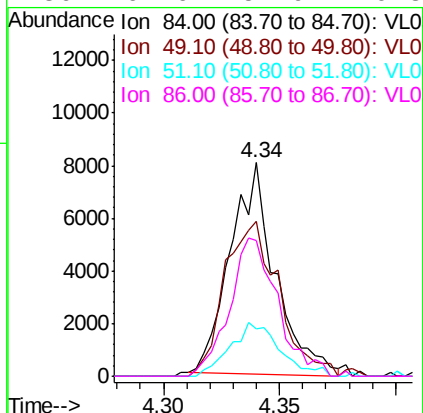
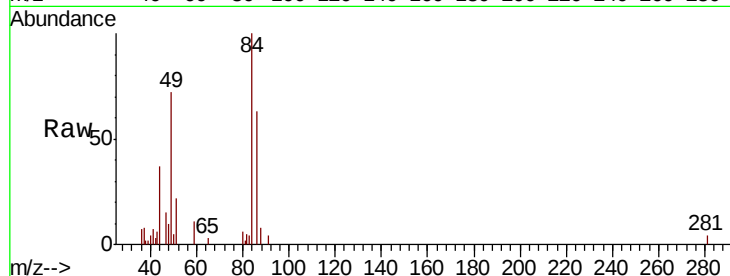




#20
Methylene Chloride
Concen: 0.116 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL035556.D
Acq: 8 Sep 2020 14:36

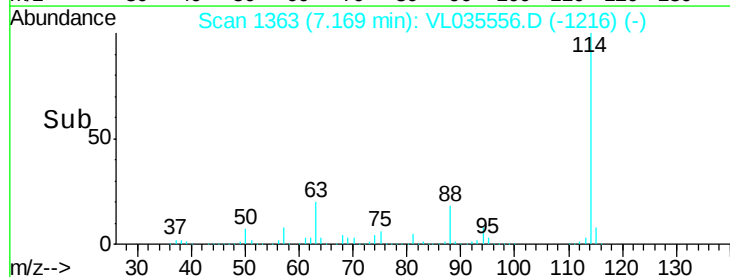
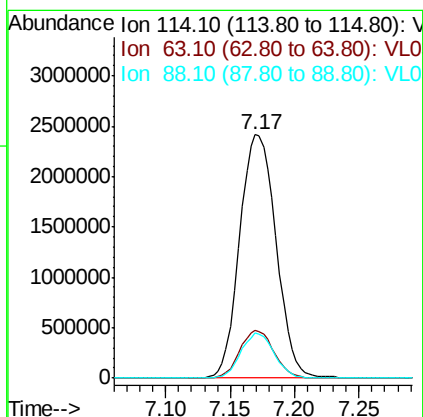
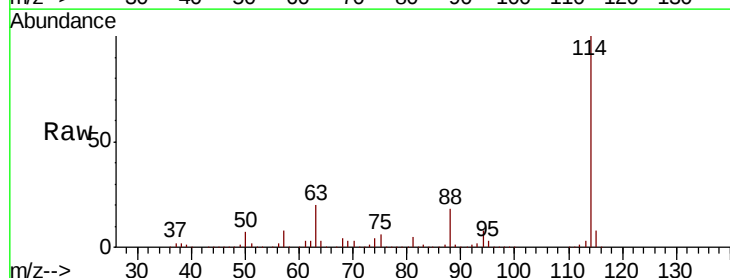
Instrument :
MSVOA_L
ClientSampleId :
QC090220 CAN 10401

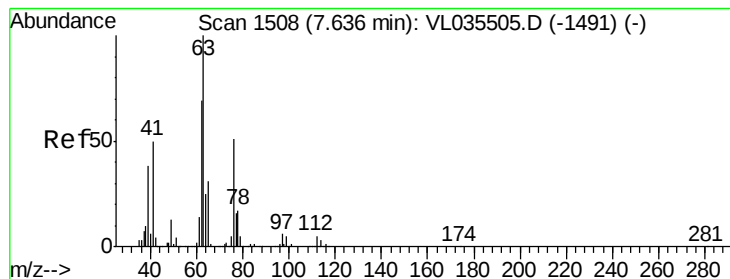
Tot Ion:	84	Resp:	10798
Ion	Ratio	Lower	Upper
84	100		
49	74.0	65.4	98.0
51	22.6	21.5	32.3
86	64.6	52.9	79.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL035556.D
Acq: 8 Sep 2020 14:36

Tgt Ion:	114	Resp:	4747219
Ion	Ratio	Lower	Upper
114	100		
63	18.7	14.7	22.1
88	17.0	13.4	20.2





#39

1,2-Dichloropropane

Concen: 8.521 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.47 min

Lab File: VL035556.D

Acq: 8 Sep 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

QC090220 CAN 10401

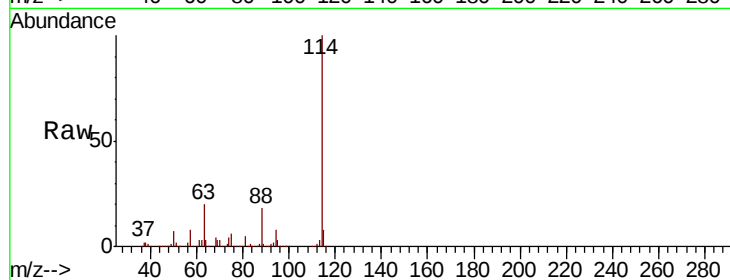
Tot Ion: 63 Resp: 884524

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

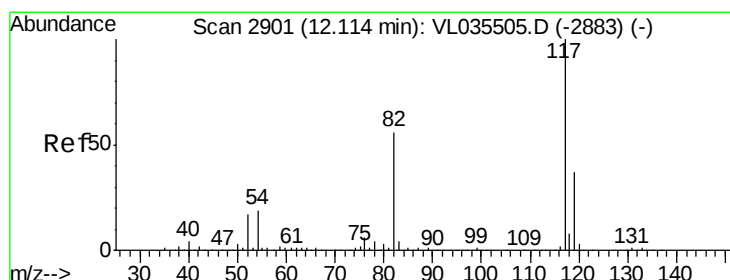
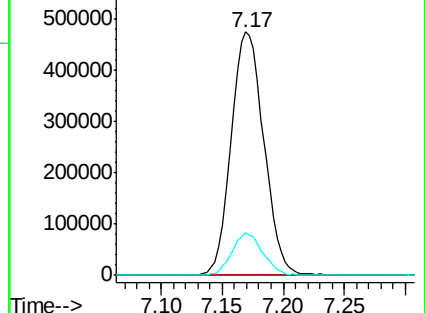
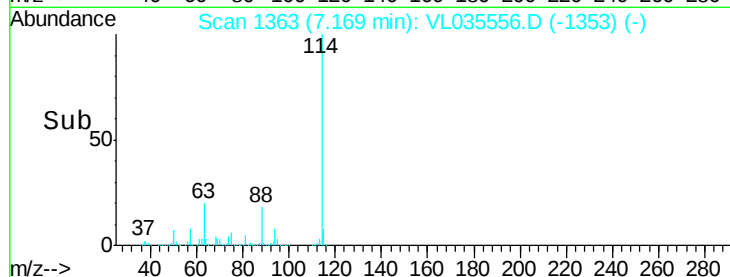
62 17.5 55.4 83.0#



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: 12.09 min Scan# 2893

Delta R.T. -0.03 min

Lab File: VL035556.D

Acq: 8 Sep 2020 14:36

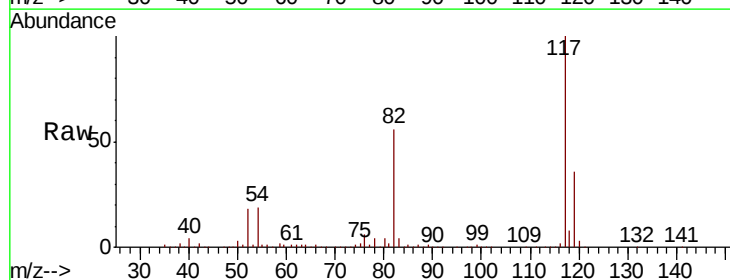
Tgt Ion: 117 Resp: 4766267

Ion Ratio Lower Upper

117 100

82 55.0 41.6 62.4

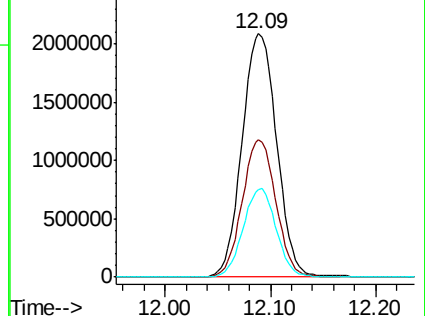
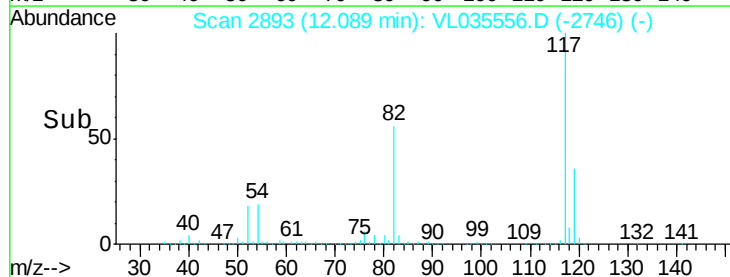
119 35.0 29.3 43.9

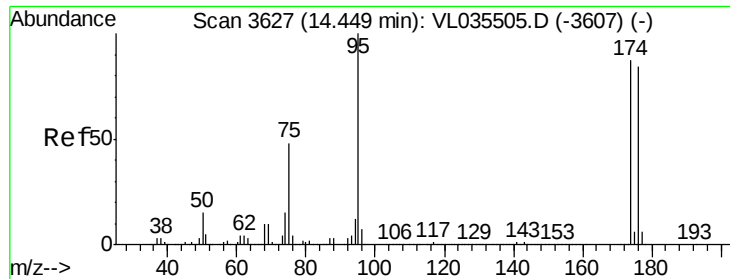


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.263 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.03 min

Lab File: VL035556.D

Acq: 8 Sep 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

QC090220 CAN 10401

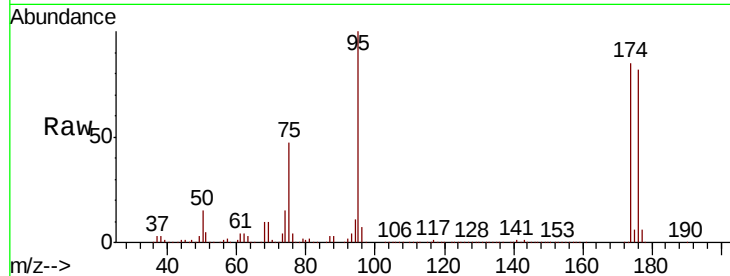
Tot Ion: 95 Resp: 3473807

Ion Ratio Lower Upper

95 100

174 87.0 69.6 104.4

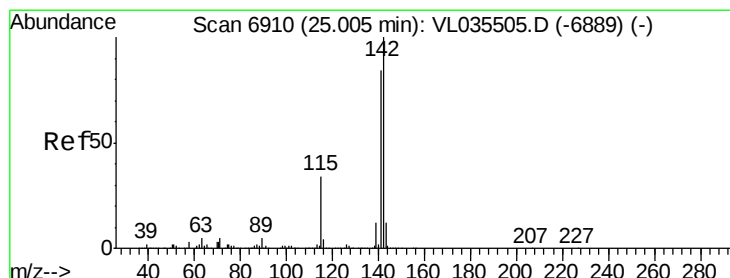
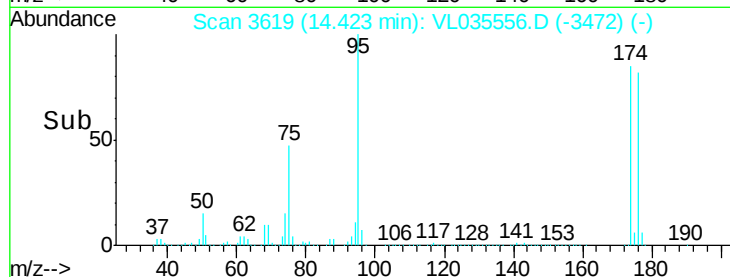
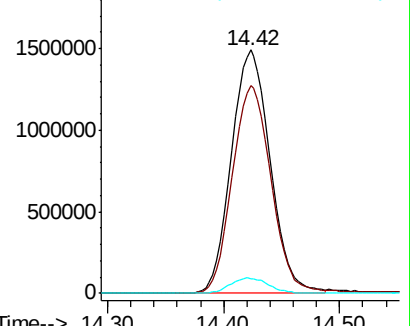
175 6.3 5.1 7.7



Abundance Ion 95.10 (94.80 to 95.80): VL035505.D (-3607) (-)

Ion 174.00 (173.70 to 174.70): VL035505.D (-3607) (-)

Ion 175.00 (174.70 to 175.70): VL035505.D (-3607) (-)



#80

Naphthalene, 2-methyl-

Concen: 0.046 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. -0.01 min

Lab File: VL035556.D

Acq: 8 Sep 2020 14:36

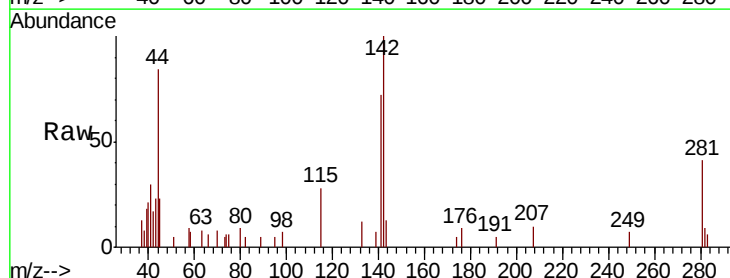
Tgt Ion: 142 Resp: 9240

Ion Ratio Lower Upper

142 100

141 77.5 67.6 101.4

115 30.5 25.8 38.8



Abundance Ion 142.00 (141.70 to 142.70): VL035505.D (-6889) (-)

Ion 141.00 (140.70 to 141.70): VL035505.D (-6889) (-)

Ion 115.00 (114.70 to 115.70): VL035505.D (-6889) (-)

