

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035851.D
 Acq On : 5 Nov 2020 3:20
 Operator : SY/AP
 Sample : OC102020 CAN 10315
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102020 CAN 10315

Quant Time: Nov 05 05:26:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	827941	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3269359	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	2970046	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2148744	10.18	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

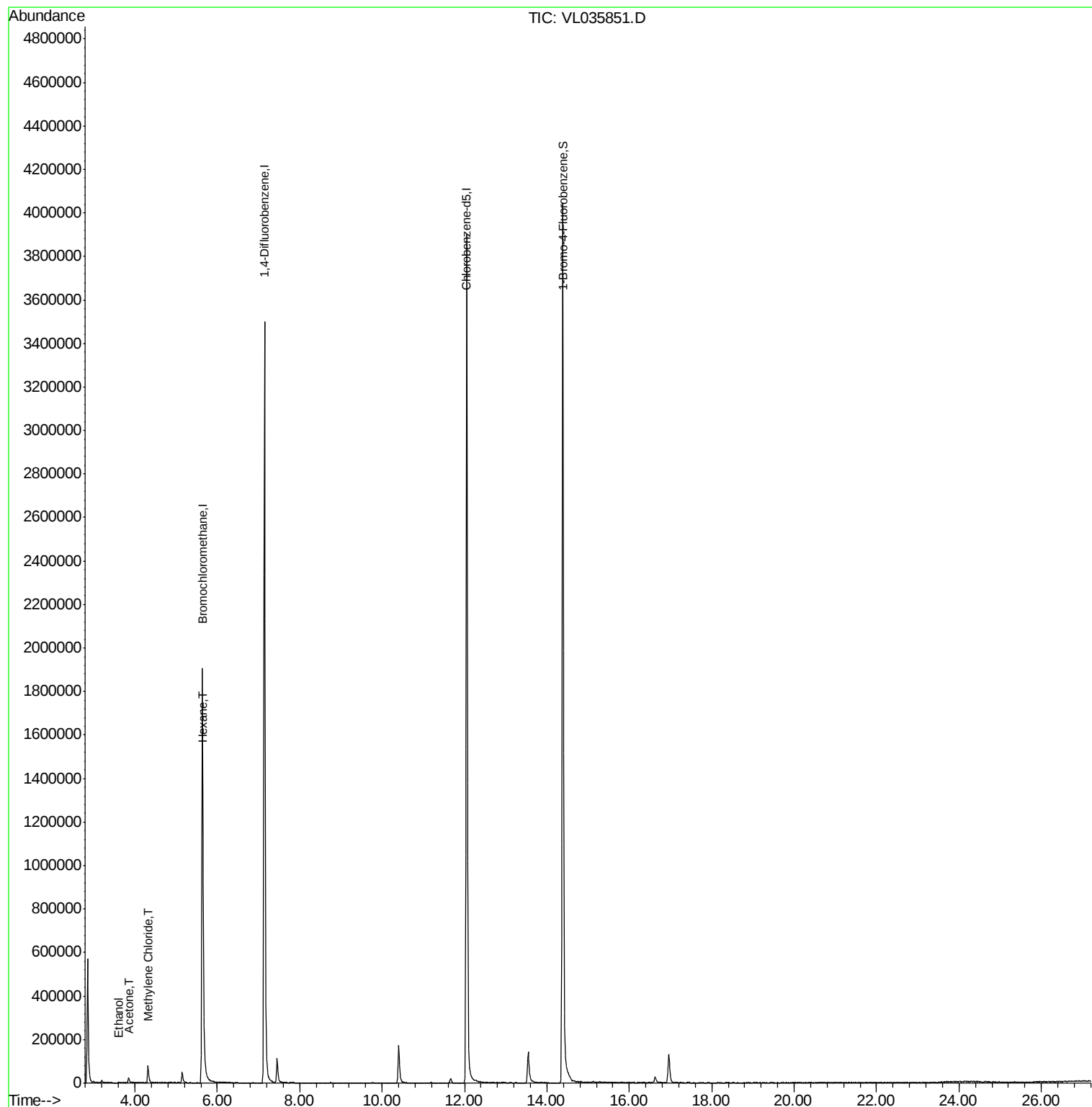
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	3124m	0.397	ppbv	
15) Acetone	3.84	43	19610	0.222	ppbv #	1
20) Methylene Chloride	4.32	84	42677	0.685	ppbv	95
26) Hexane	5.66	57	20722	0.215	ppbv #	44

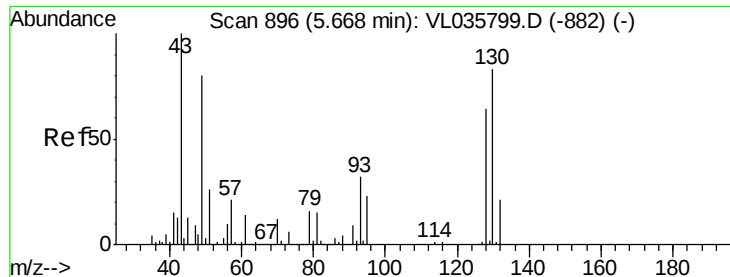
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035851.D

Acq: 5 Nov 2020 3:20

Instrument :

MSVOA_L

ClientSampleId :

QC102020 CAN 10315

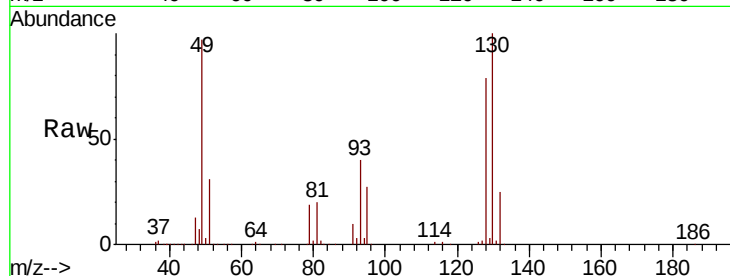
Tot Ion: 49 Resp: 827941

Ion Ratio Lower Upper

49 100

128 84.4 41.5 124.6

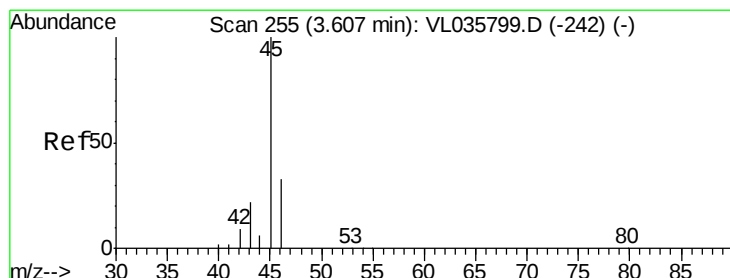
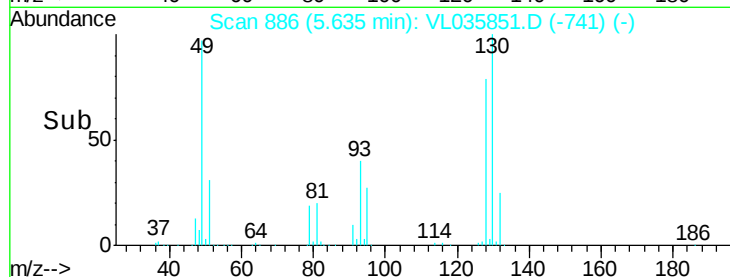
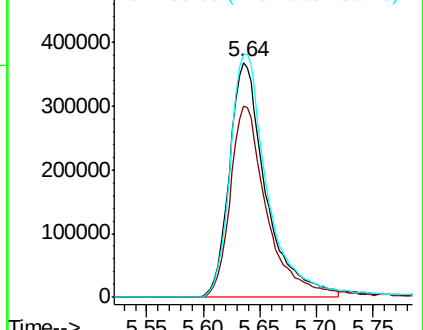
130 109.4 53.7 161.1



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: 0.397 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035851.D

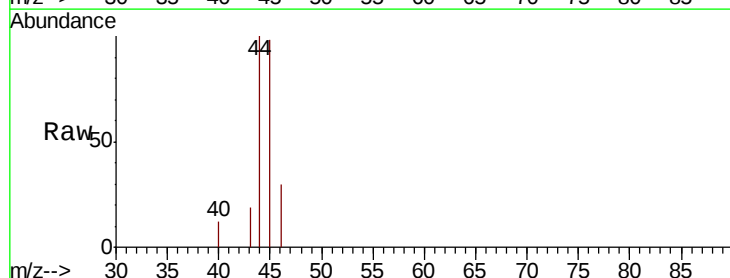
Acq: 5 Nov 2020 3:20

Tgt Ion: 45 Resp: 3124

Ion Ratio Lower Upper

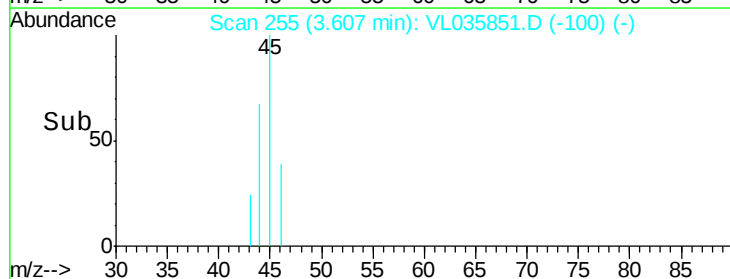
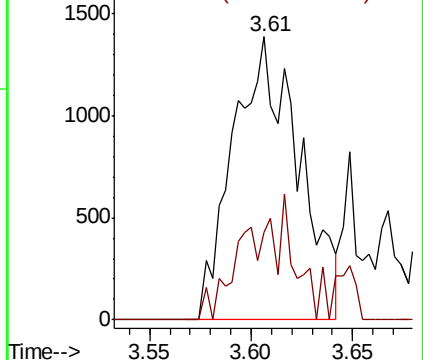
45 100

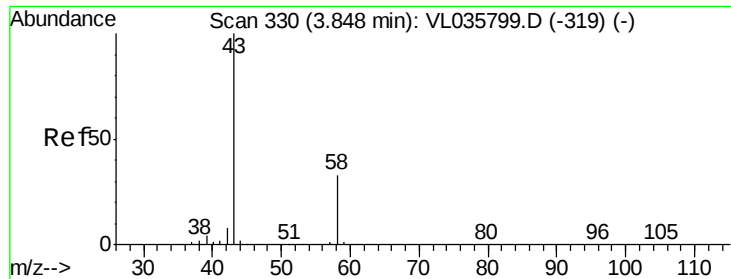
46 0.0 16.1 64.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.222 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035851.D

Acq: 5 Nov 2020 3:20

Instrument :

MSVOA_L

ClientSampleId :

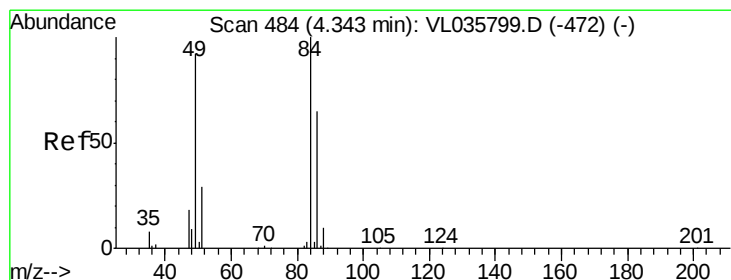
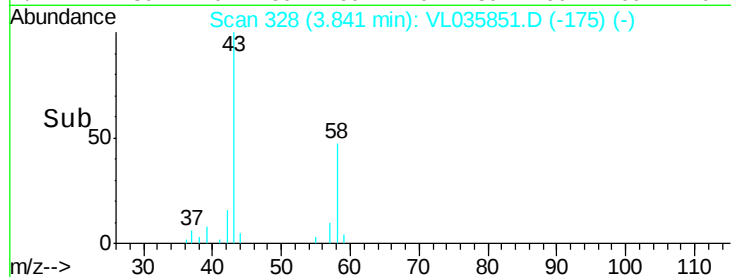
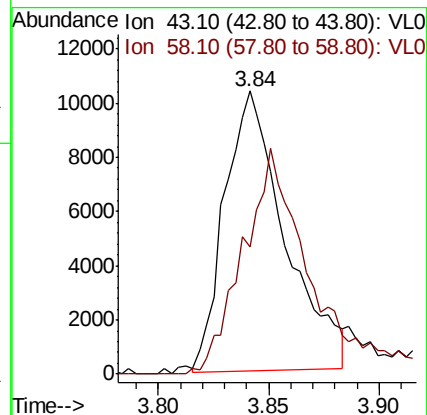
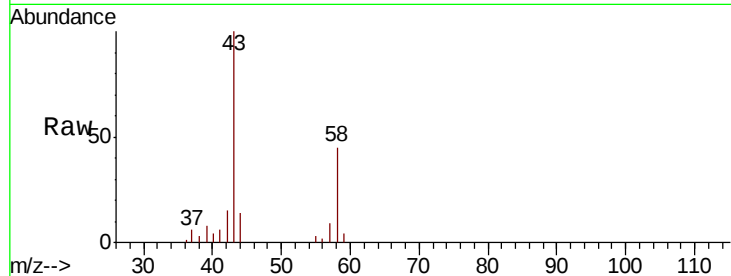
QC102020 CAN 10315

Tot Ion: 43 Resp: 19610

Ion Ratio Lower Upper

43 100

58 91.7 27.5 41.3#



#20

Methylene Chloride

Concen: 0.685 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL035851.D

Acq: 5 Nov 2020 3:20

Tgt Ion: 84 Resp: 42677

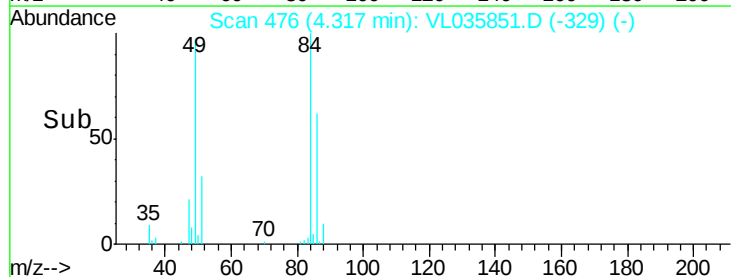
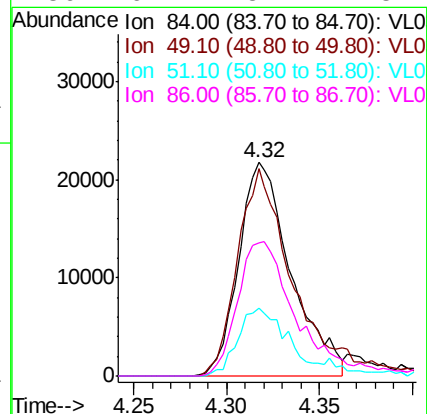
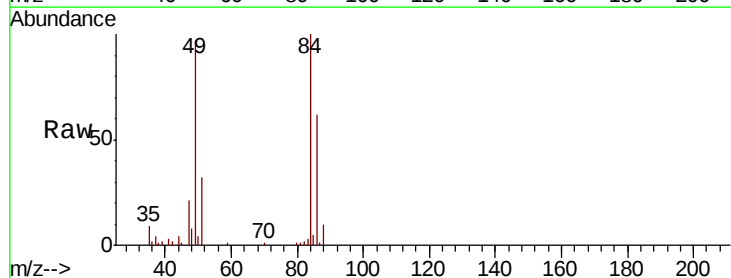
Ion Ratio Lower Upper

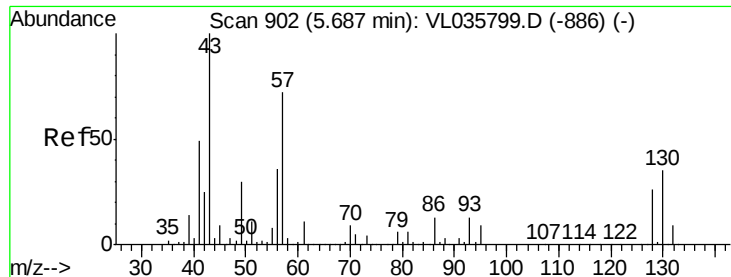
84 100

49 97.3 73.8 110.8

51 31.9 23.0 34.4

86 62.1 52.1 78.1

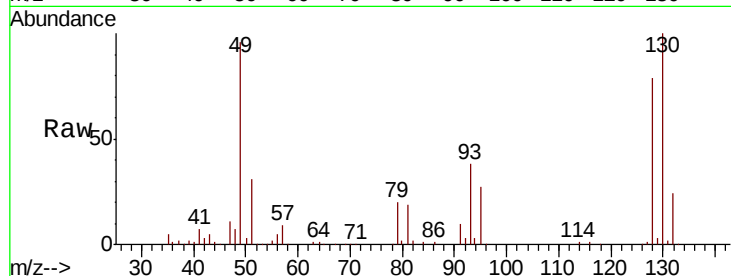




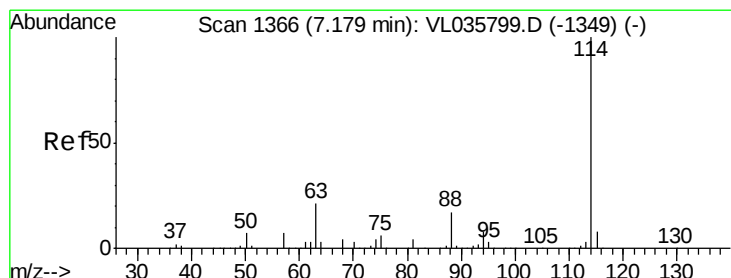
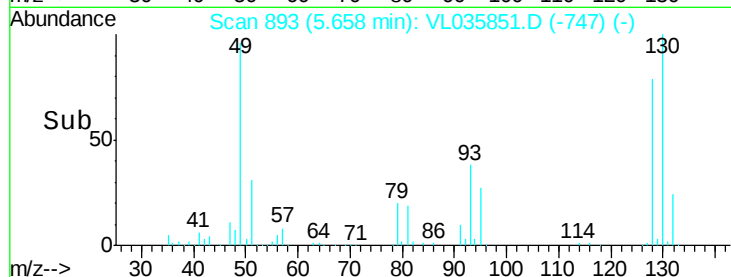
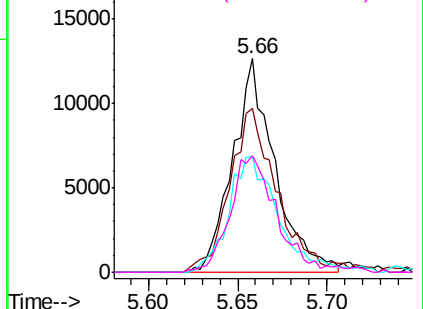
#26
Hexane
Concen: 0.215 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035851.D
Acq: 5 Nov 2020 3:20

Instrument :
MSVOA_L
ClientSampleId :
QC102020 CAN 10315

Tot Ion: 57 Resp: 20722
Ion Ratio Lower Upper
57 100
41 88.5 58.9 88.3#
43 66.0 150.2 225.2#
56 61.3 42.4 63.6

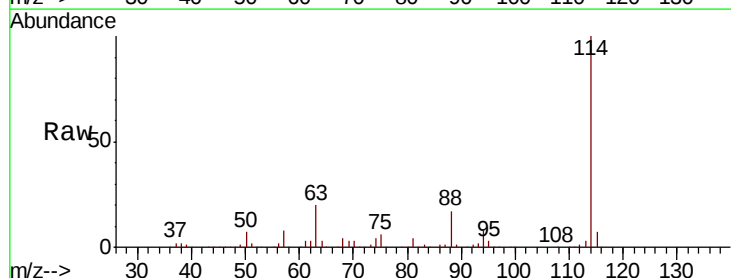


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

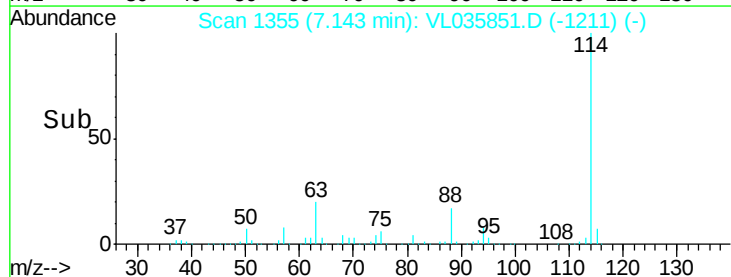
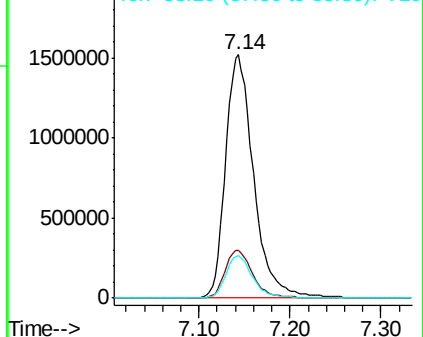


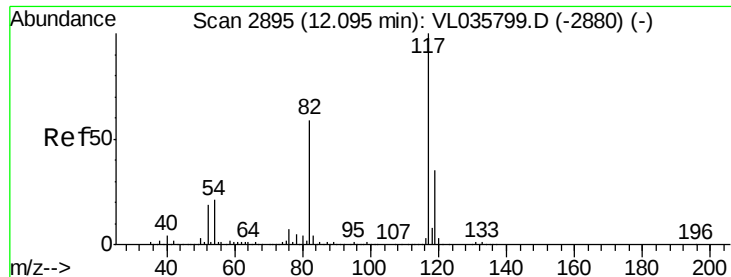
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035851.D
Acq: 5 Nov 2020 3:20

Tgt Ion: 114 Resp: 3269359
Ion Ratio Lower Upper
114 100
63 19.6 16.1 24.1
88 16.9 13.7 20.5



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

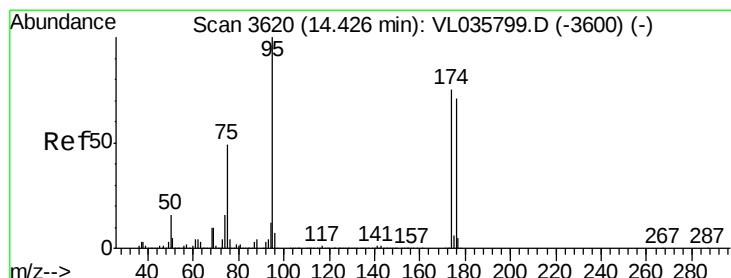
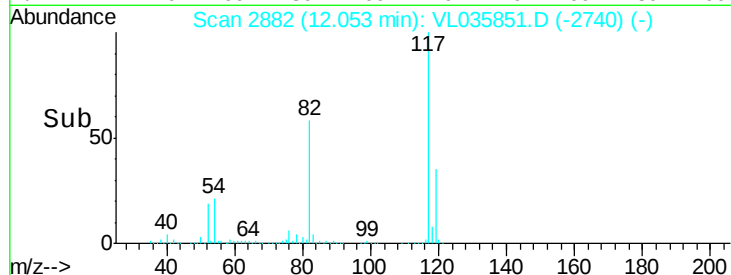
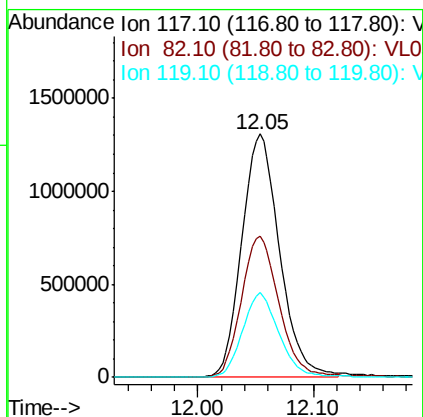
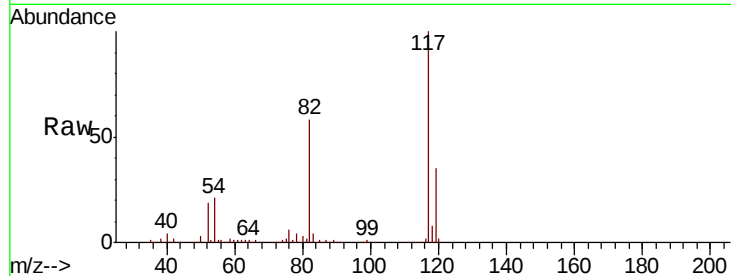




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035851.D
Acq: 5 Nov 2020 3:20

Instrument :
MSVOA_L
ClientSampleId :
QC102020 CAN 10315

Tot Ion:117 Resp: 2970046
Ion Ratio Lower Upper
117 100
82 59.0 50.6 76.0
119 34.2 52.6 78.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.183 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL035851.D
Acq: 5 Nov 2020 3:20

Tgt Ion: 95 Resp: 2148744
Ion Ratio Lower Upper
95 100
174 78.3 59.8 89.6
175 5.4 4.3 6.5

