

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035269.D
 Acq On : 30 Jul 2020 6:48
 Operator : SY/AP
 Sample : OC CAN 10596
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10596

Quant Time: Jul 30 08:00:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1082485	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2683822	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2478704	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2040705	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

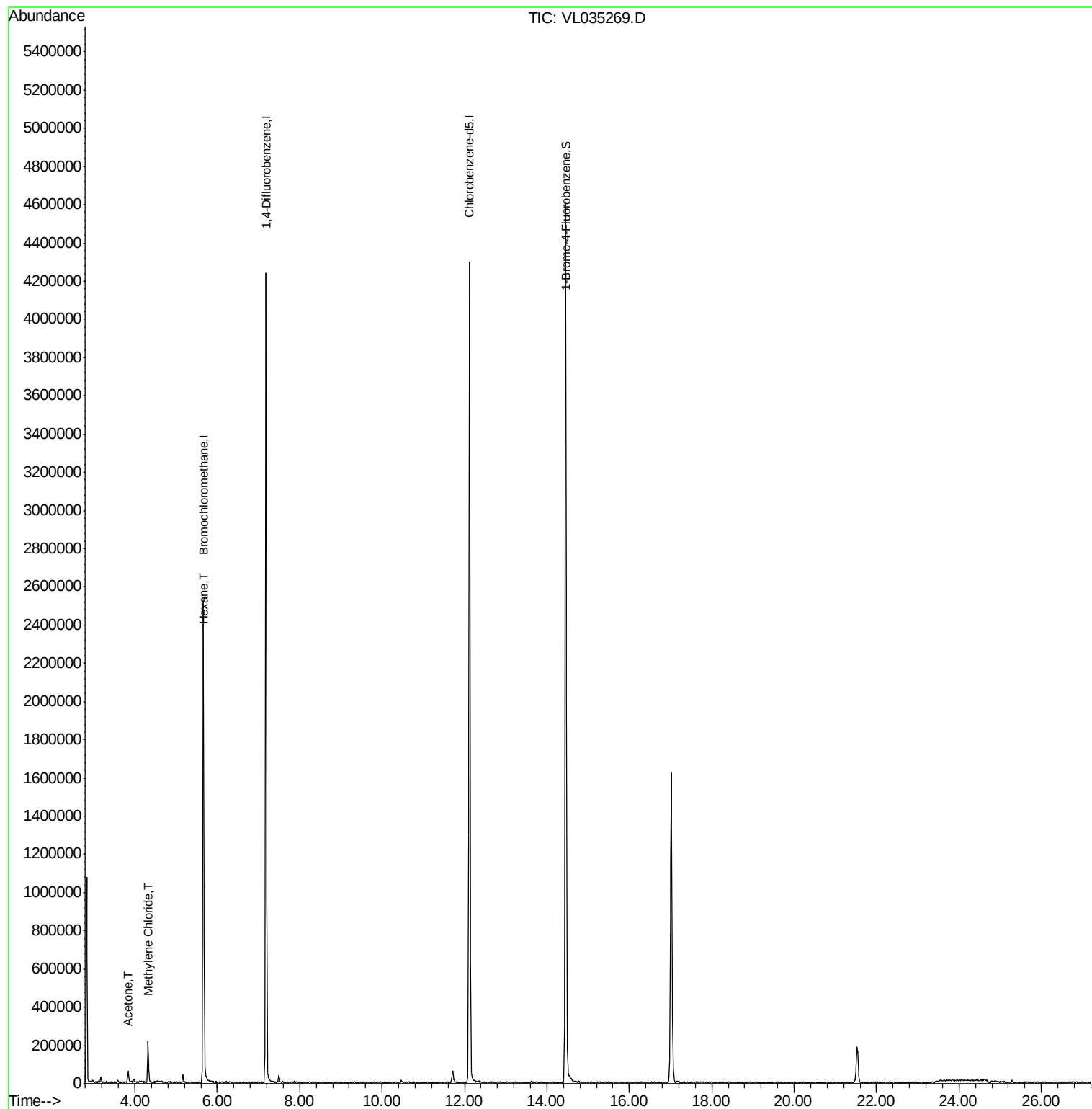
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.83	43	57780	0.400	ppbv	# 80
20) Methylene Chloride	4.32	84	72308	1.100	ppbv	93
26) Hexane	5.67	57	20436m	0.201	ppbv	

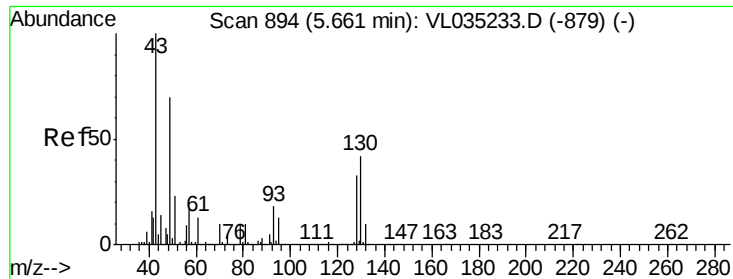
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035269.D

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Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10596

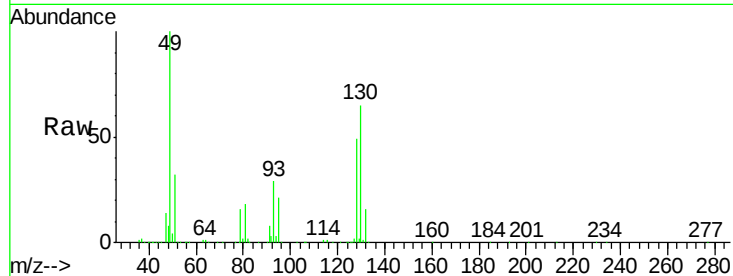
Tot Ion: 49 Resp: 1082485

Ion Ratio Lower Upper

49 100

128 50.6 24.0 72.0

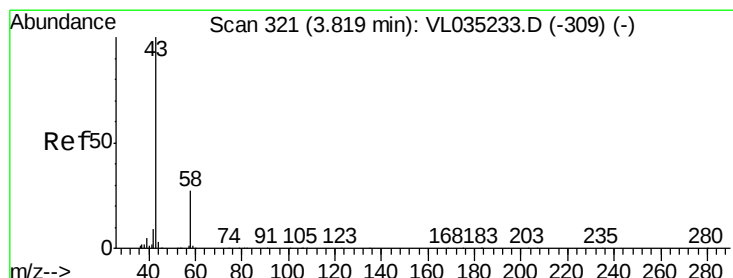
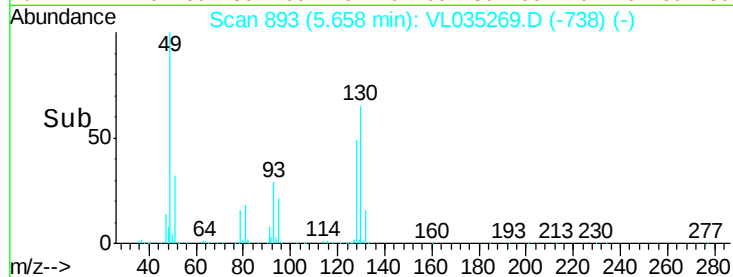
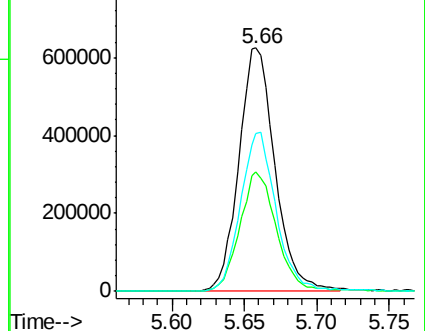
130 64.9 30.7 92.1



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



#15

Acetone

Concen: 0.400 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.02 min

Lab File: VL035269.D

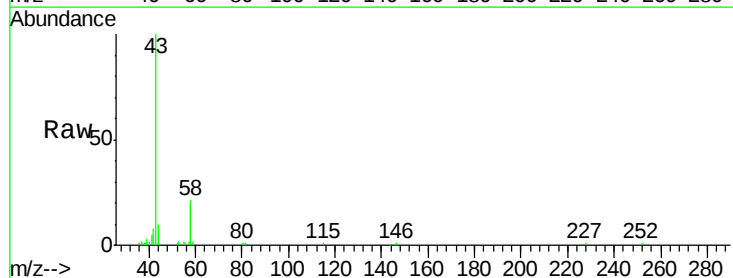
Acq: 30 Jul 2020 6:48

Tgt Ion: 43 Resp: 57780

Ion Ratio Lower Upper

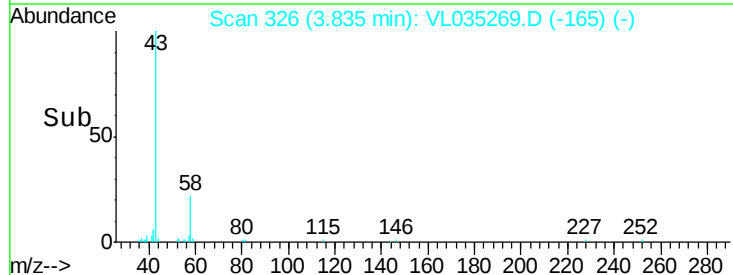
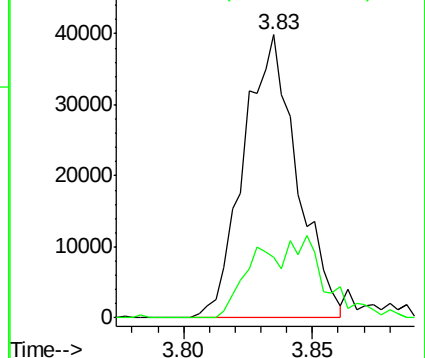
43 100

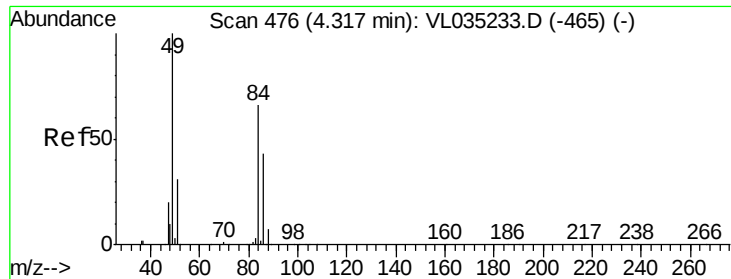
58 37.8 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

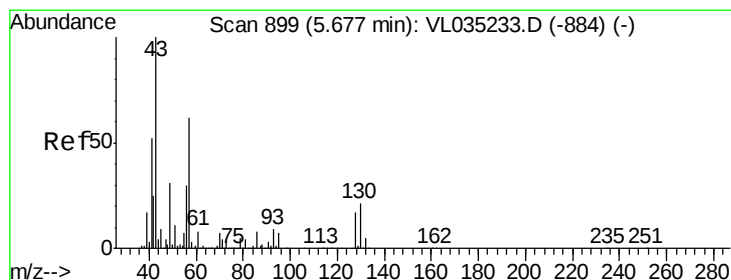
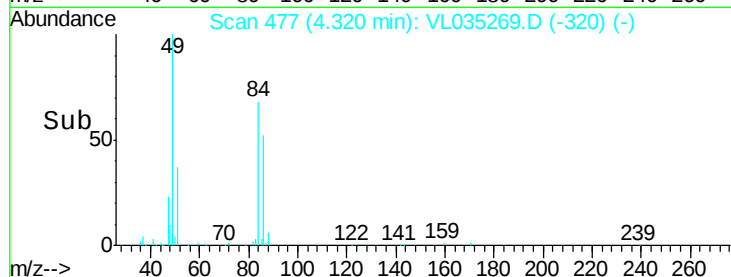
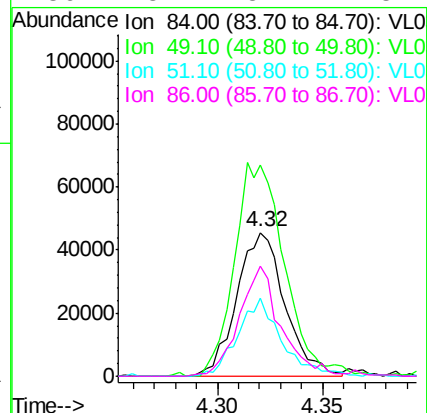
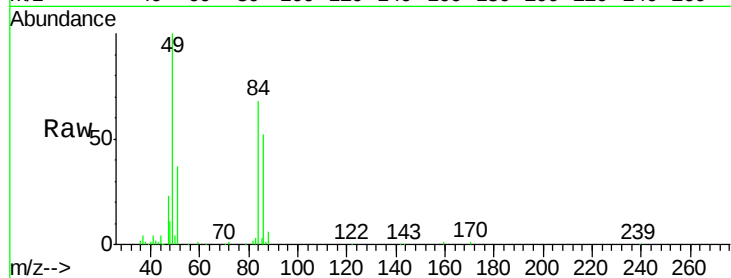




#20
Methvlene Chloride
Concen: 1.100 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.00 min
Lab File: VL035269.D
Acq: 30 Jul 2020 6:48

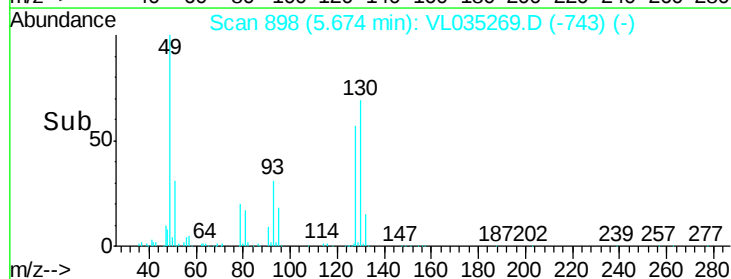
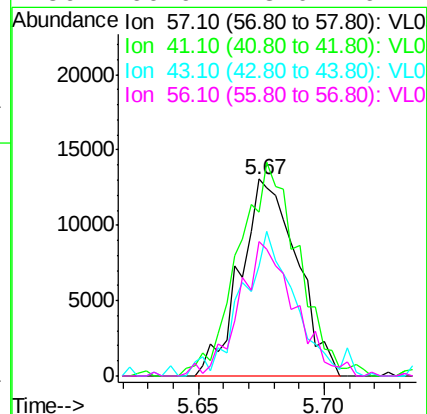
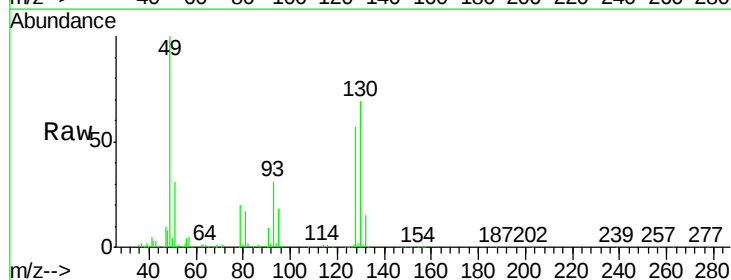
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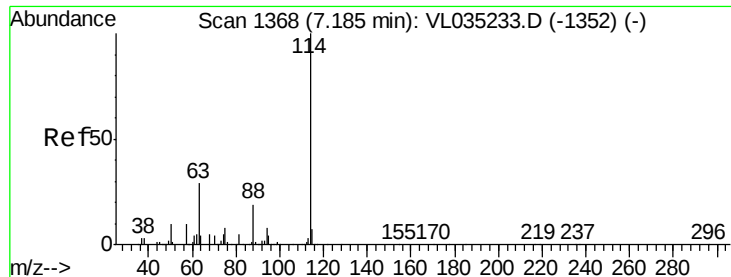
Tot Ion: 84 Resp: 72308
Ion Ratio Lower Upper
84 100
49 146.3 121.0 181.4
51 54.5 37.7 56.5
86 75.2 52.2 78.4



#26
Hexane
Concen: 0.201 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035269.D
Acq: 30 Jul 2020 6:48

Tgt Ion: 57 Resp: 20436
Ion Ratio Lower Upper
57 100
41 116.3 73.9 110.9#
43 70.4 177.6 266.4#
56 66.9 43.0 64.4#

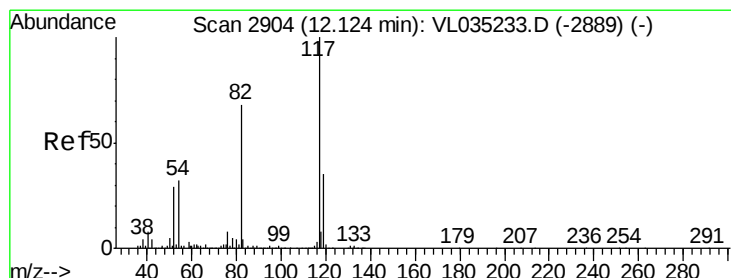
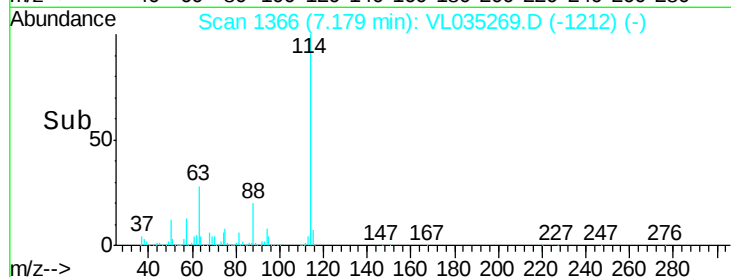
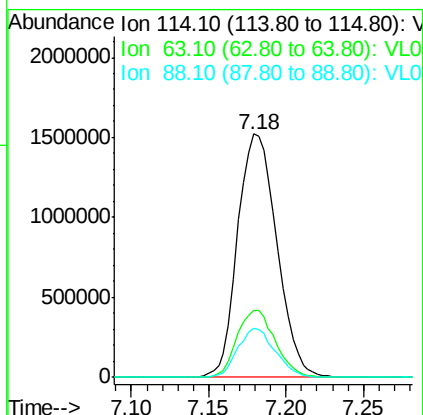
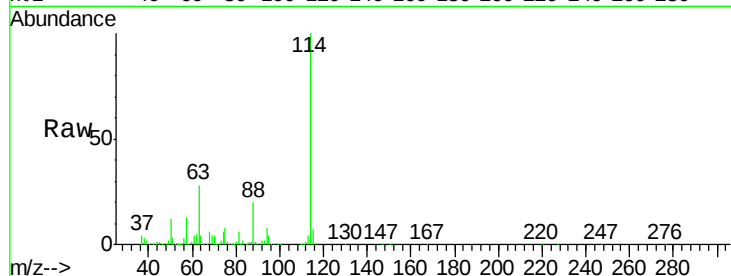




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035269.D
 Acq: 30 Jul 2020 6:48

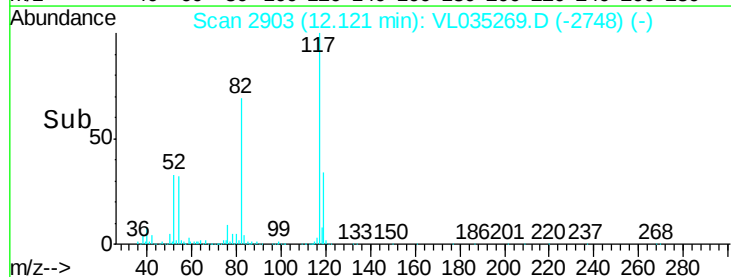
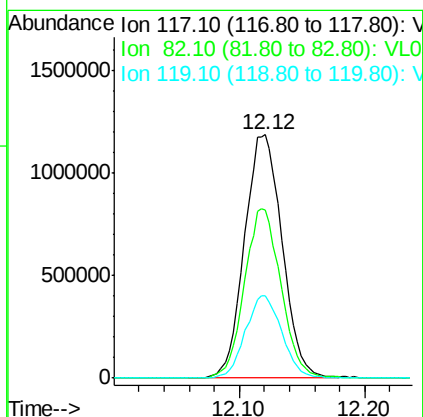
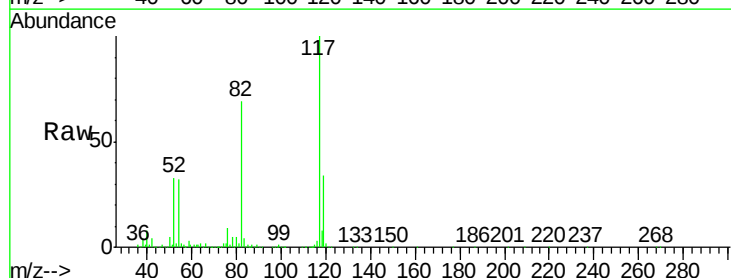
Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10596

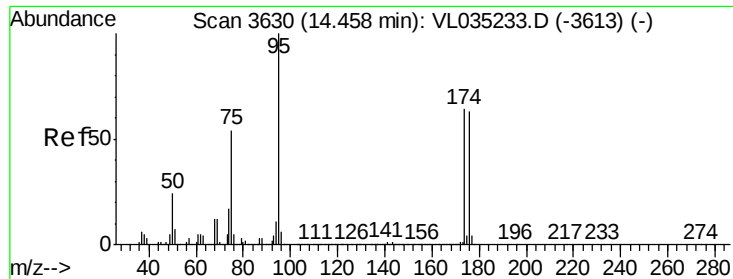
Tot Ion:114 Resp: 2683822
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.2 33.2
 88 19.2 15.4 23.0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VL035269.D
 Acq: 30 Jul 2020 6:48

Tgt Ion:117 Resp: 2478704
 Ion Ratio Lower Upper
 117 100
 82 67.5 52.4 78.6
 119 32.9 24.6 36.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.303 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035269.D

Acq: 30 Jul 2020 6:48

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10596

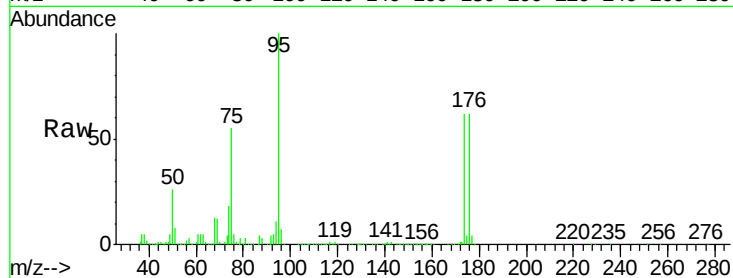
Tot Ion: 95 Resp: 2040705

Ion Ratio Lower Upper

95 100

174 63.9 52.7 79.1

175 4.8 3.9 5.9



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

