

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 07:47:37 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%

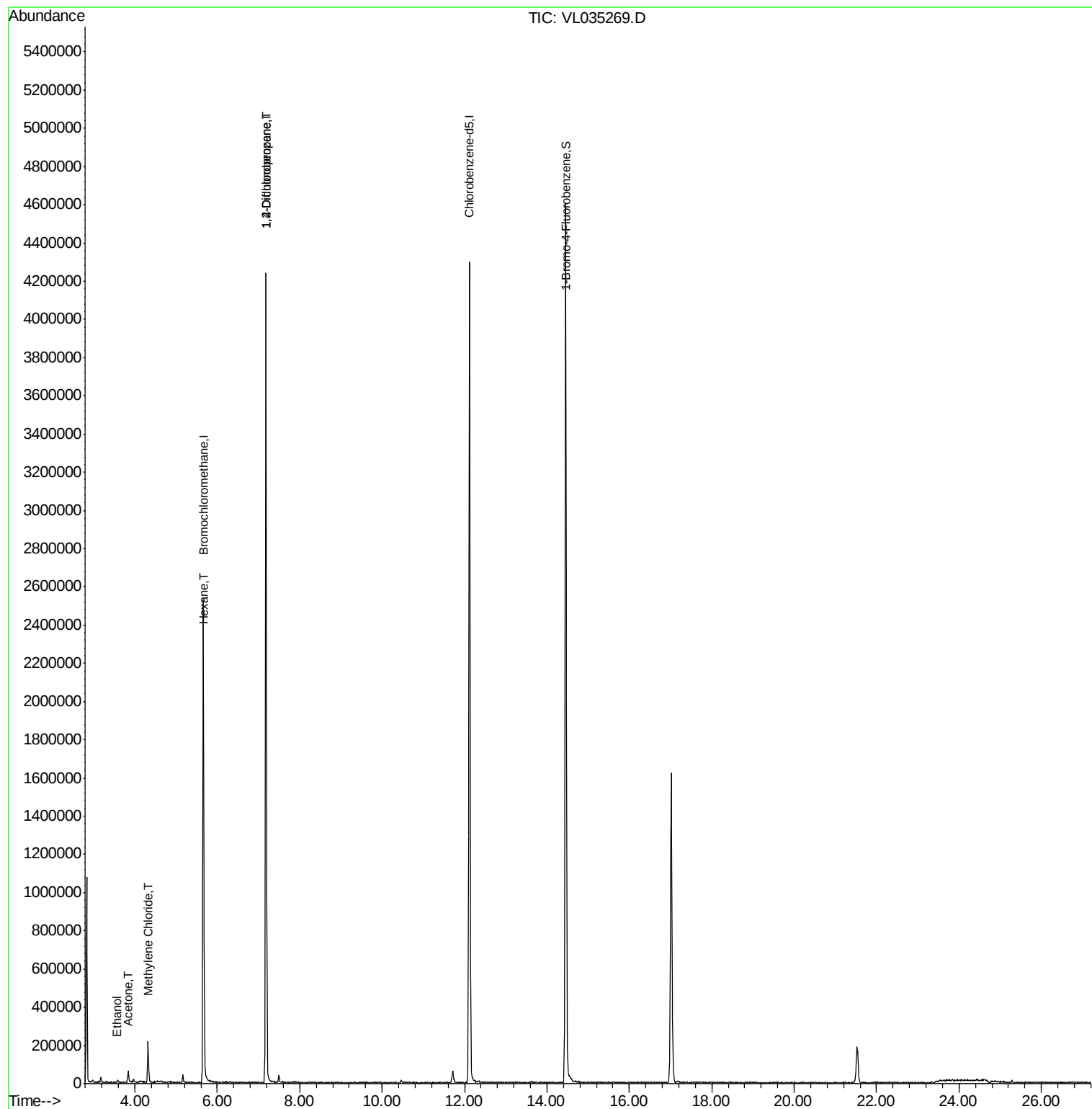
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.56	45	565	0.033	ppbv #	36
15) Acetone	3.83	43	57780	0.400	ppbv #	80
20) Methylene Chloride	4.32	84	72308	1.100	ppbv	93
26) Hexane	5.67	57	18914	0.186	ppbv #	33
39) 1,2-Dichloropropane	7.18	63	719078	9.663	ppbv #	23

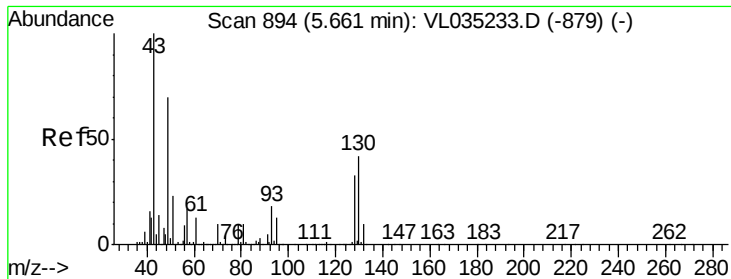
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

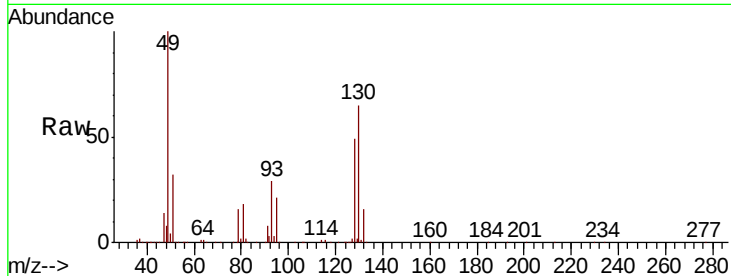
Tot Ion: 49 Resp: 1082485

Ion Ratio Lower Upper

49 100

128 50.6 24.0 72.0

130 64.9 30.7 92.1



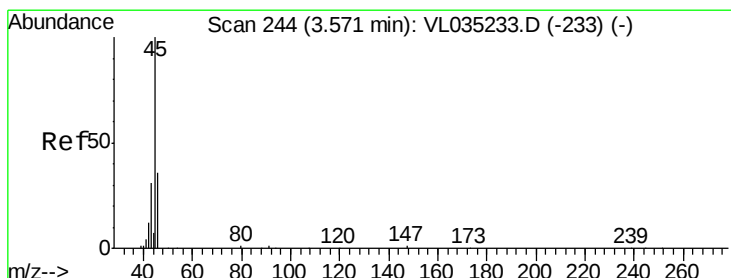
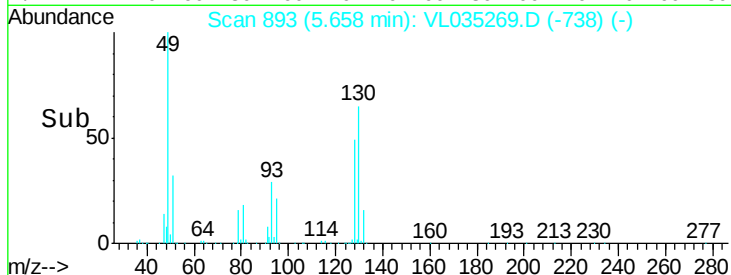
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#13

Ethanol

Concen: 0.033 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035269.D

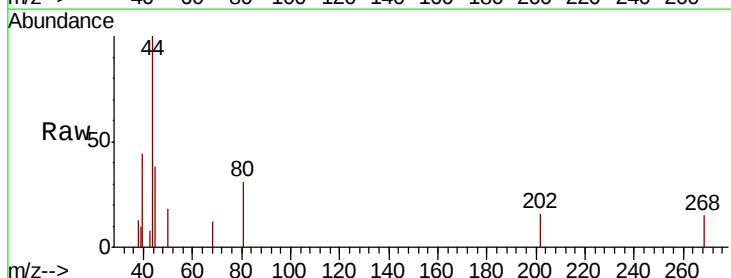
Acq: 30 Jul 2020 6:48

Tgt Ion: 45 Resp: 565

Ion Ratio Lower Upper

45 100

46 0.0 15.8 63.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

2000

1500

1000

500

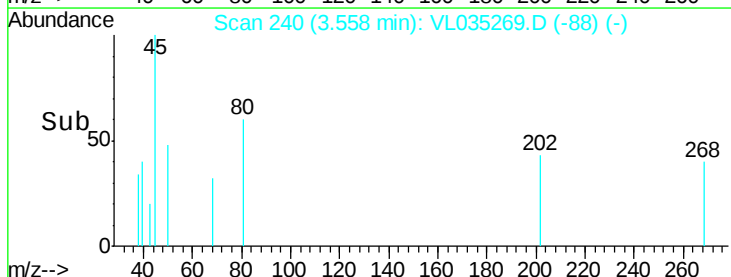
0

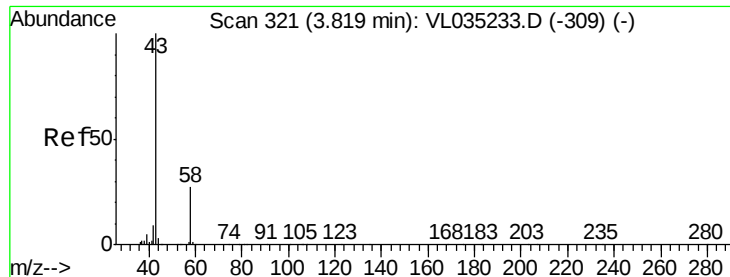
3.54

3.55

3.56

Time-->





#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

Instrument :

MSVOA_L

ClientSampleId :

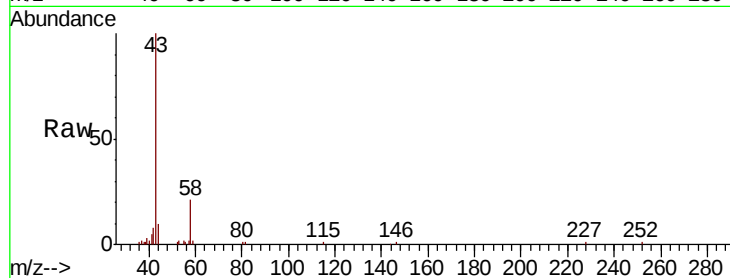
QC CAN 10596

Tot Ion: 43 Resp: 57780

Ion Ratio Lower Upper

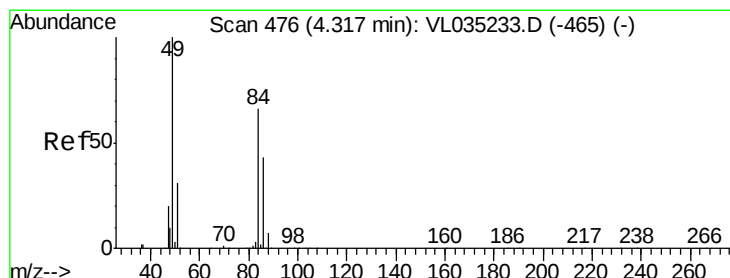
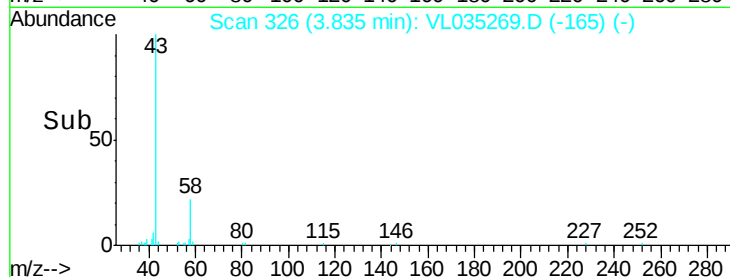
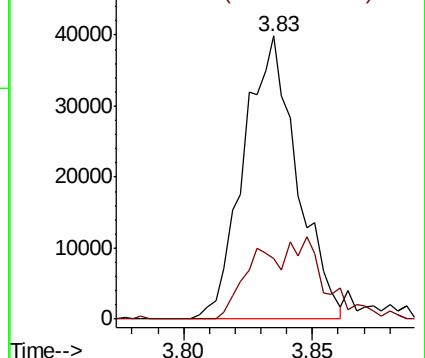
43 100

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

Methylene 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

Tgt Ion: 84 Resp: 72308

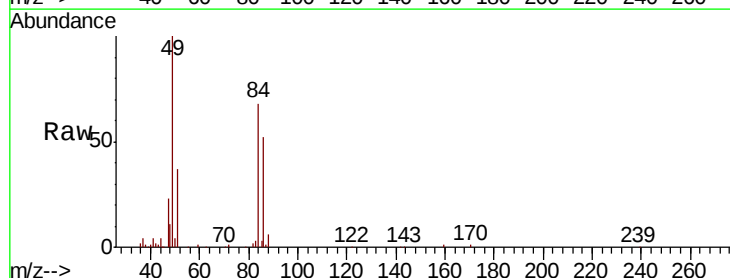
Ion Ratio Lower Upper

84 100

49 146.3 121.0 181.4

51 54.5 37.7 56.5

86 75.2 52.2 78.4

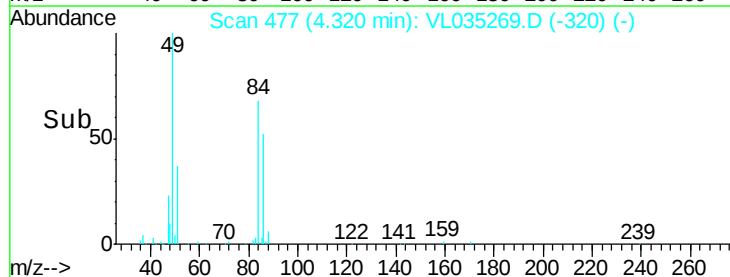
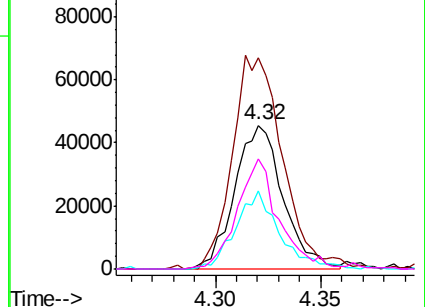


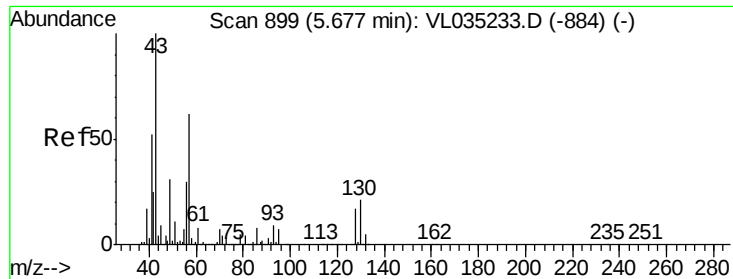
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

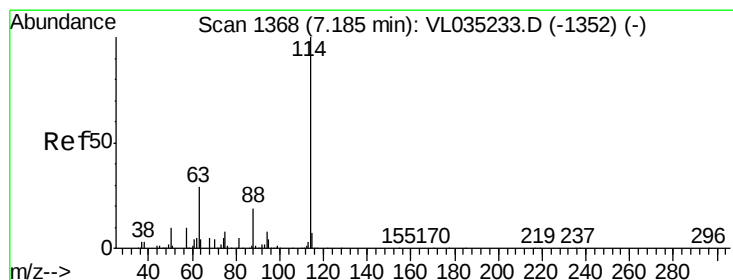
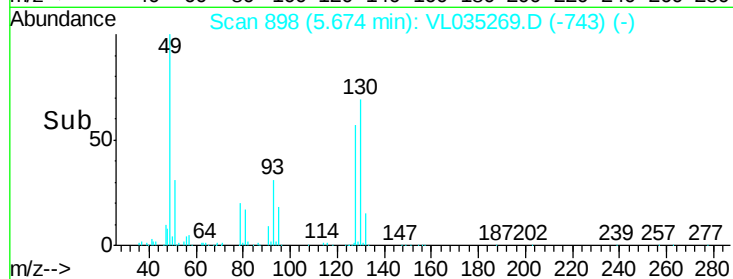
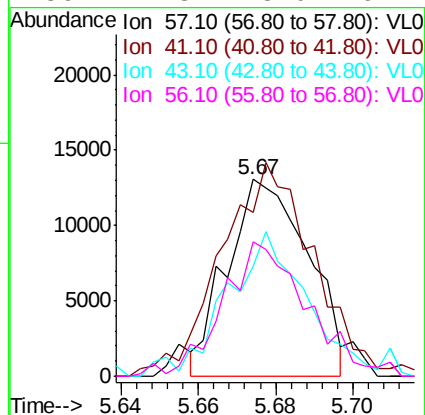
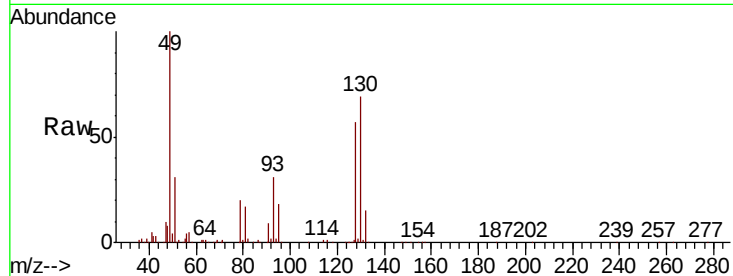




#26
Hexane
Concen: 0.186 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035269.D
Acq: 30 Jul 2020 6:48

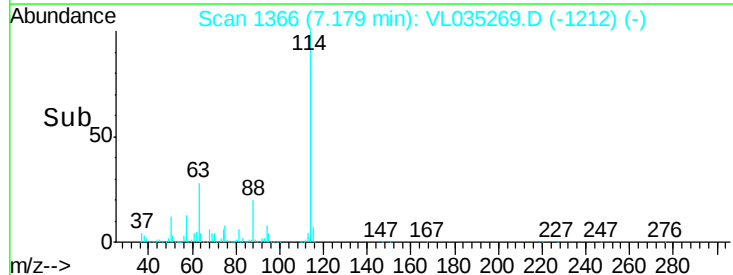
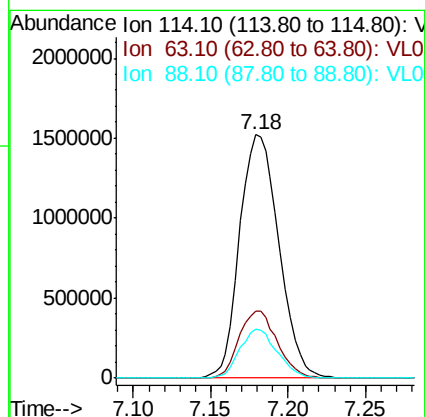
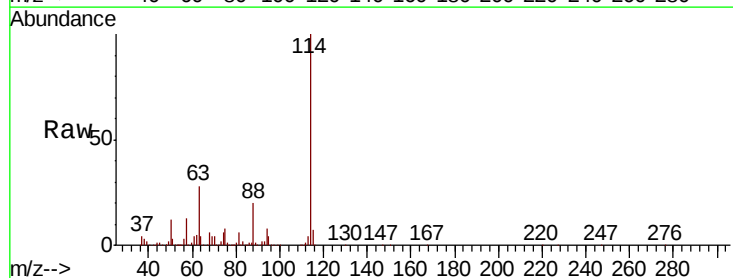
Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10596

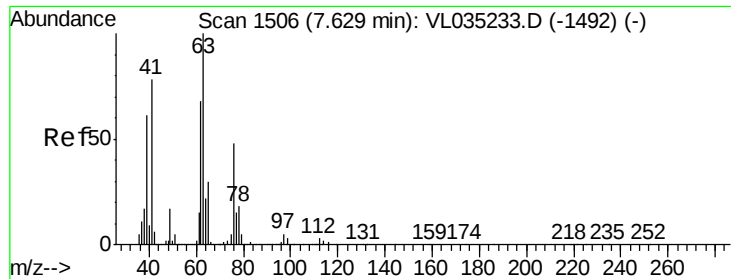
Tot Ion: 57 Resp: 18914
Ion Ratio Lower Upper
57 100
41 125.7 73.9 110.9#
43 76.0 177.6 266.4#
56 72.3 43.0 64.4#



#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

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





#39

1,2-Dichloropropane

Concen: 9.663 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.45 min

Lab File: VL035269.D

Acq: 30 Jul 2020 6:48

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10596

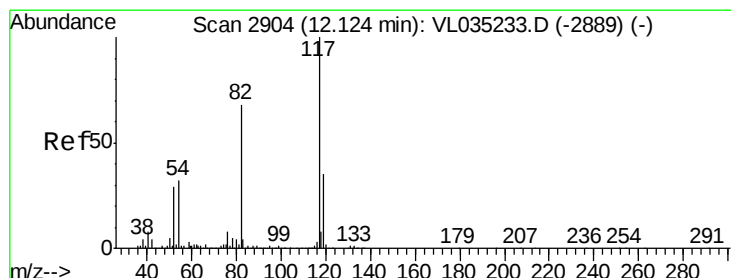
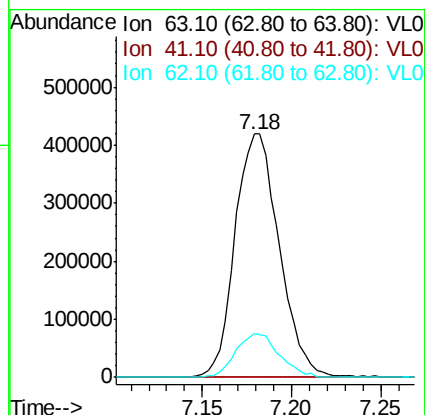
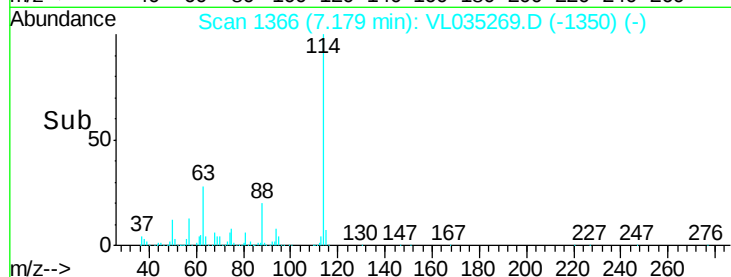
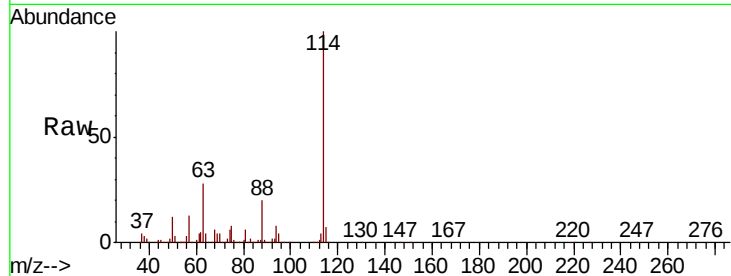
Tot Ion: 63 Resp: 719078

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.4#

62 18.1 54.2 81.2#



#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

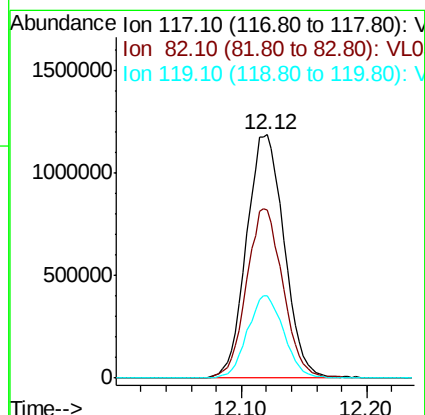
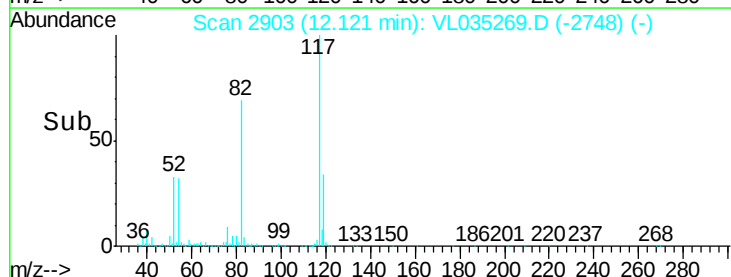
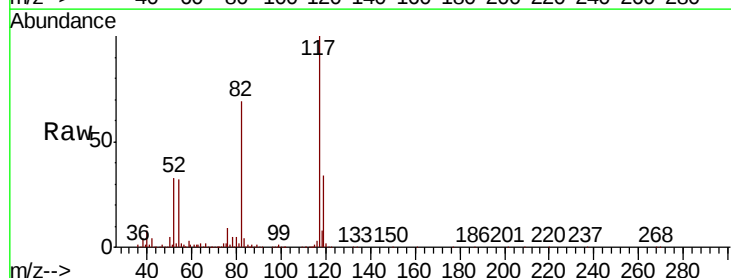
Tgt Ion: 117 Resp: 2478704

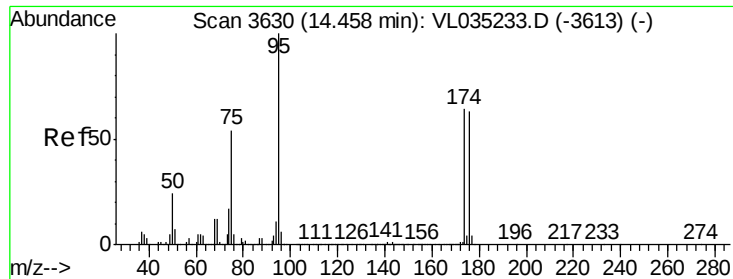
Ion Ratio Lower Upper

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

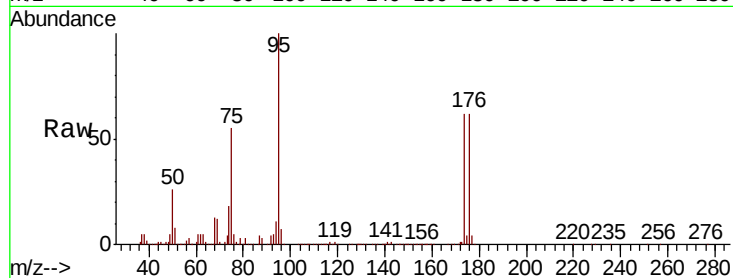
Tot Ion: 95 Resp: 2040705

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

