

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035114.D
 Acq On : 22 Jun 2020 17:14
 Operator : SY/AP
 Sample : QC060420 CAN 10060
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC060420 CAN 10060

Quant Time: Jun 23 01:26:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1319318	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3021309	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2867085	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2427083	10.19	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

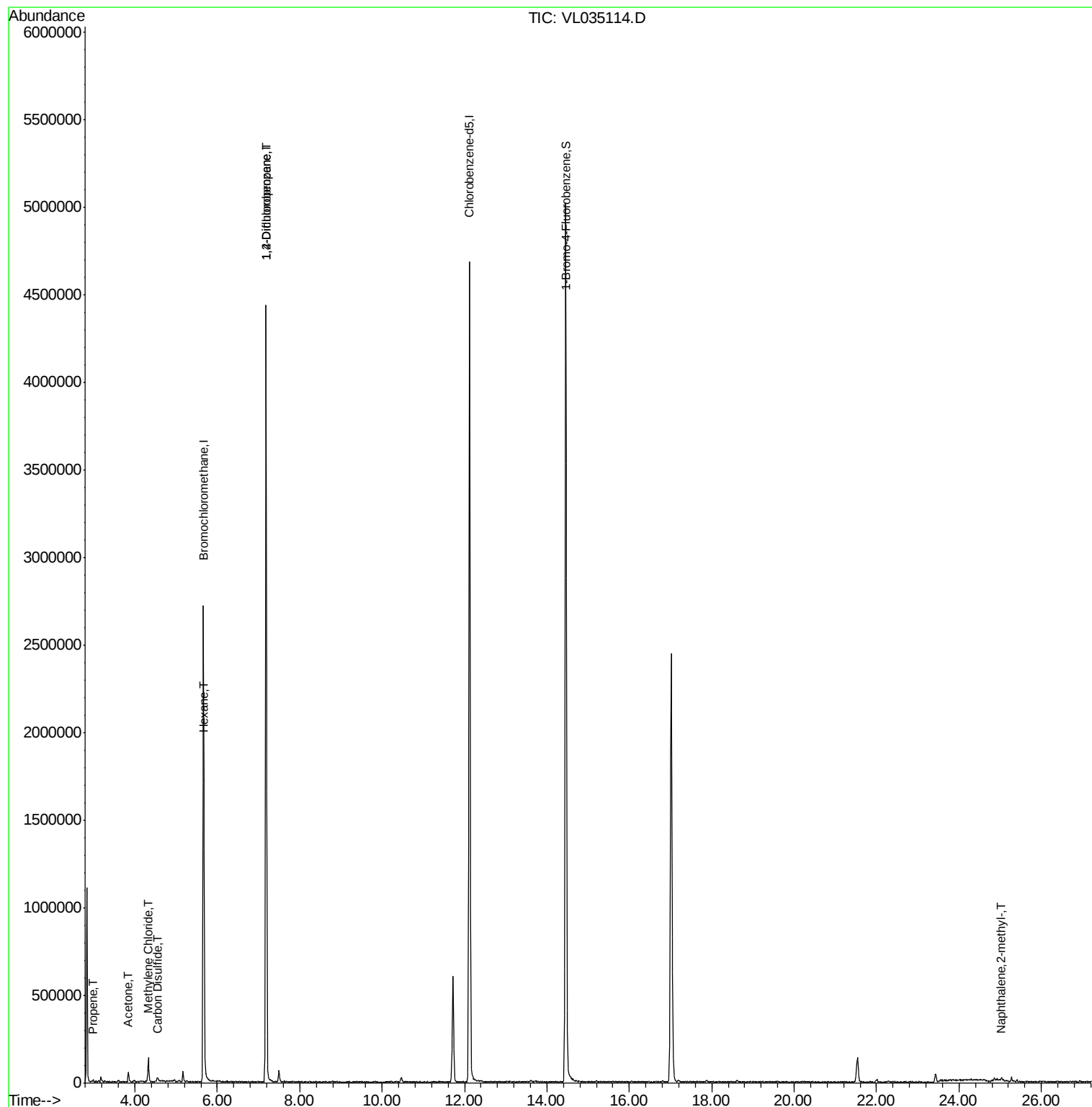
Target Compounds					Ovalue
9) Propene	2.98	41	3242	0.056 ppbv	84
15) Acetone	3.84	43	50649	0.318 ppbv #	65
20) Methylene Chloride	4.32	84	44507	0.689 ppbv #	75
26) Hexane	5.68	57	13500	0.104 ppbv #	38
27) Carbon Disulfide	4.53	76	4218	0.031 ppbv #	62
39) 1,2-Dichloropropane	7.18	63	826374	9.031 ppbv #	24
80) Naphthalene,2-methyl-	25.03	142	7504	0.067 ppbv	90

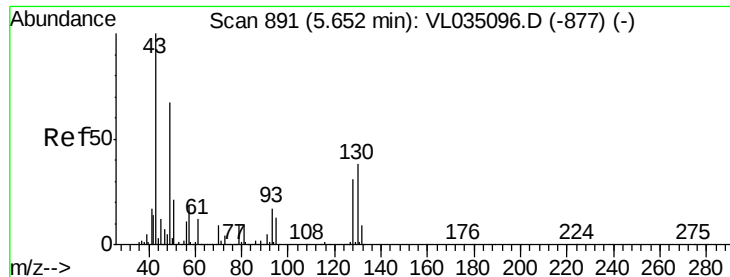
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL035114.D

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MSVOA_L

ClientSampleId :

QC060420 CAN 10060

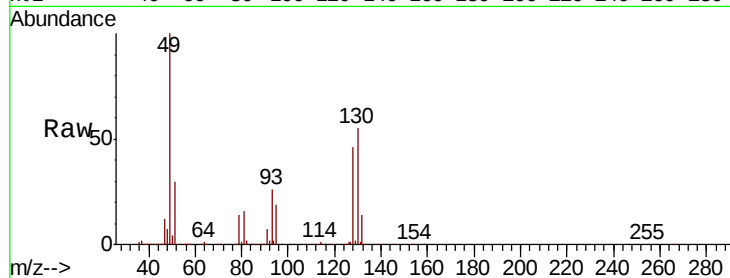
Tot Ion: 49 Resp: 1319318

Ion Ratio Lower Upper

49 100

128 46.1 22.9 68.5

130 58.2 29.0 87.0



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

5.66

800000

600000

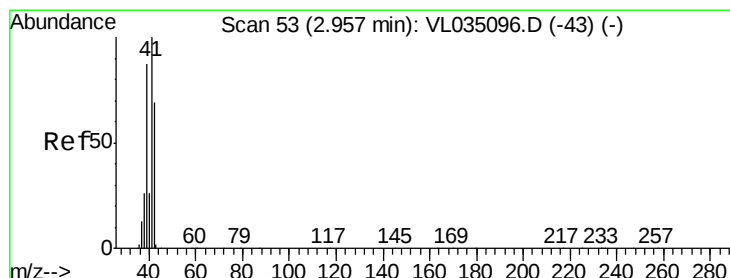
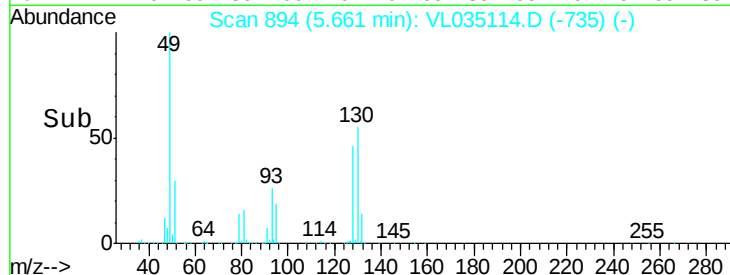
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.056 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.02 min

Lab File: VL035114.D

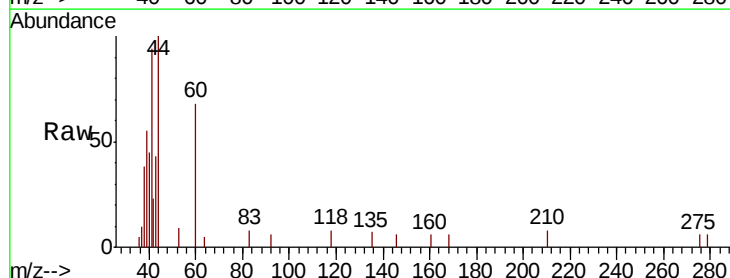
Acq: 22 Jun 2020 17:14

Tgt Ion: 41 Resp: 3242

Ion Ratio Lower Upper

41 100

42 56.6 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

4000

3000

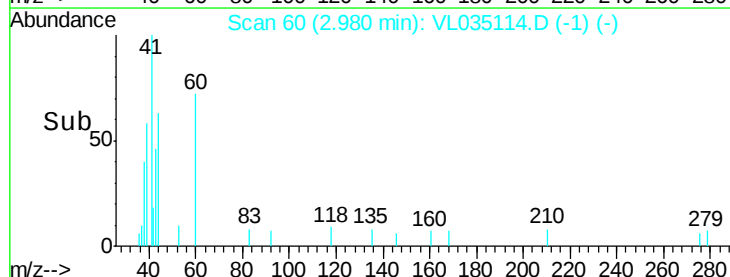
2000

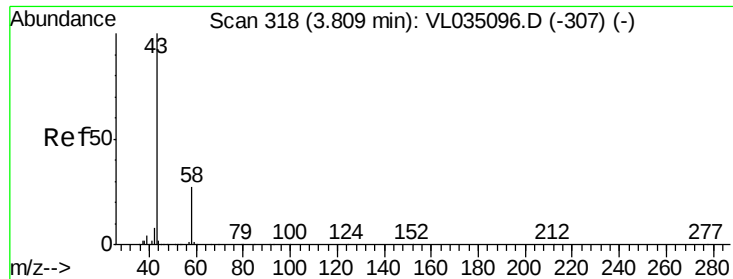
1000

0

2.96 2.98 3.00

Time-->





#15

Acetone

Concen: 0.318 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.03 min

Lab File: VL035114.D

Acq: 22 Jun 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

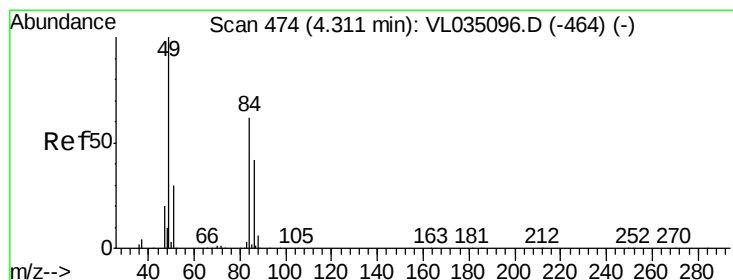
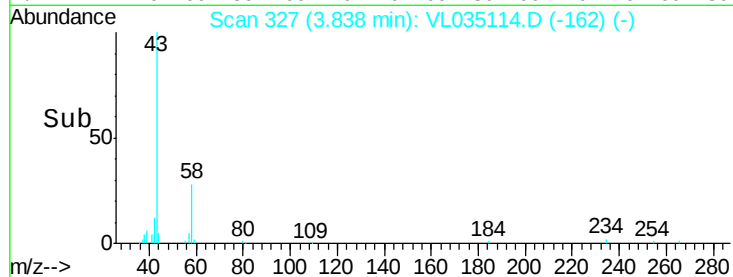
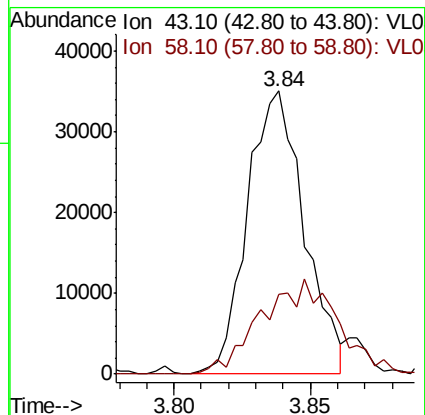
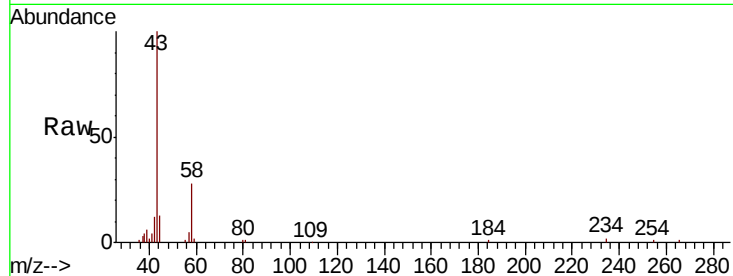
QC060420 CAN 10060

Tot Ion: 43 Resp: 50649

Ion Ratio Lower Upper

43 100

58 45.6 21.8 32.6#



#20

Methylene Chloride

Concen: 0.689 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL035114.D

Acq: 22 Jun 2020 17:14

Tgt Ion: 84 Resp: 44507

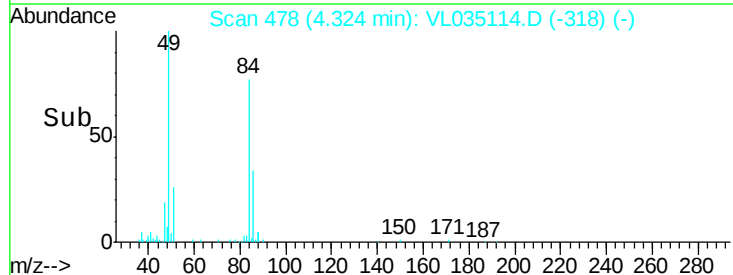
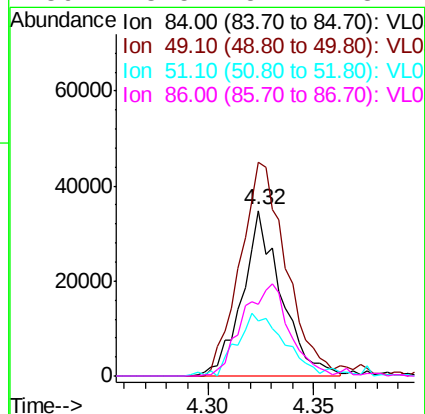
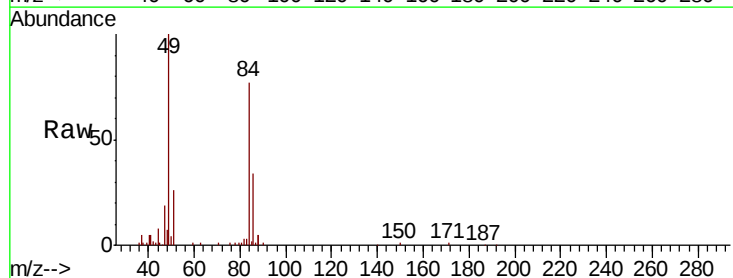
Ion Ratio Lower Upper

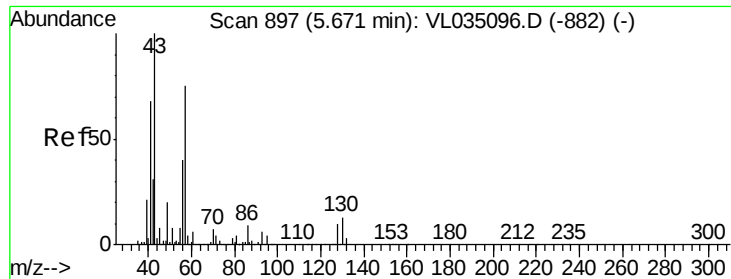
84 100

49 129.1 128.8 193.2

51 32.8 38.7 58.1#

86 43.5 54.1 81.1#

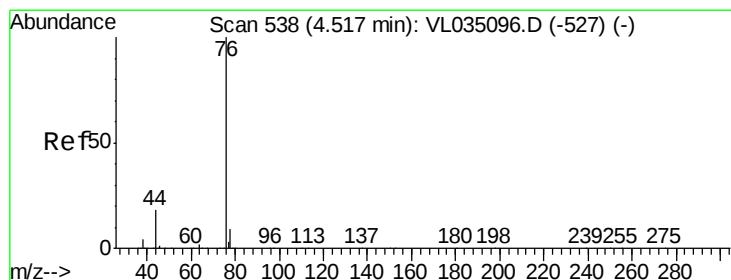
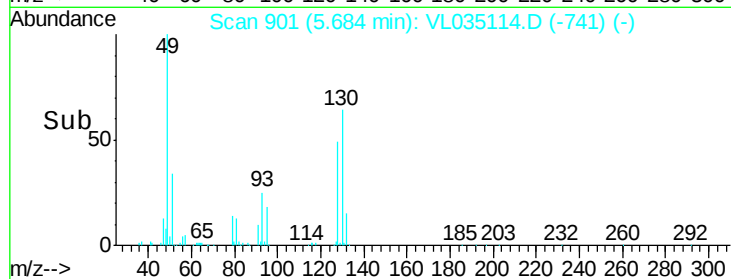
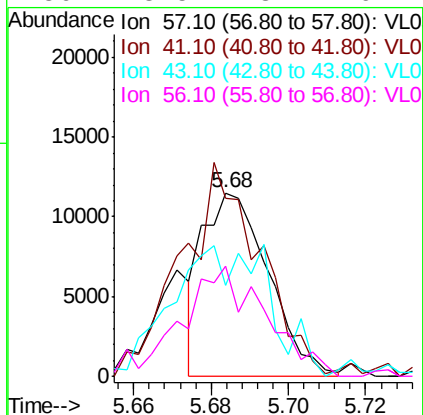
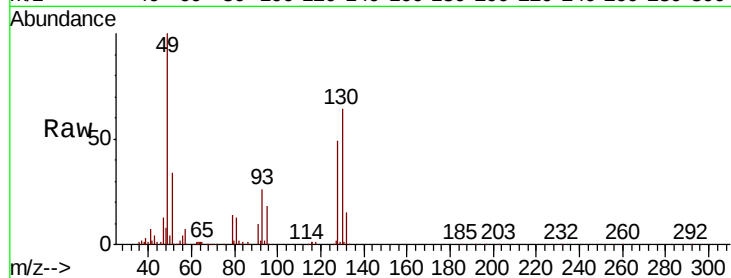




#26
Hexane
Concen: 0.104 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035114.D
Acq: 22 Jun 2020 17:14

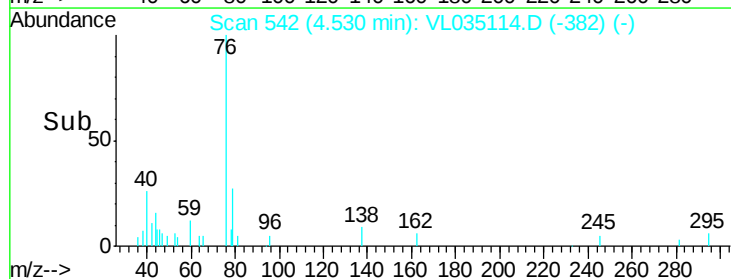
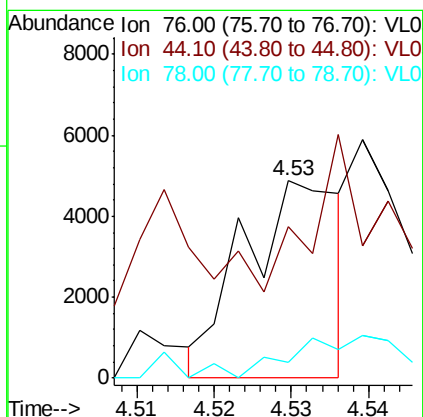
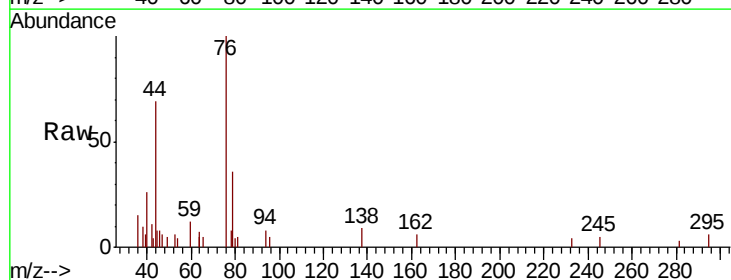
Instrument :
MSVOA_L
ClientSampleId :
QC060420 CAN 10060

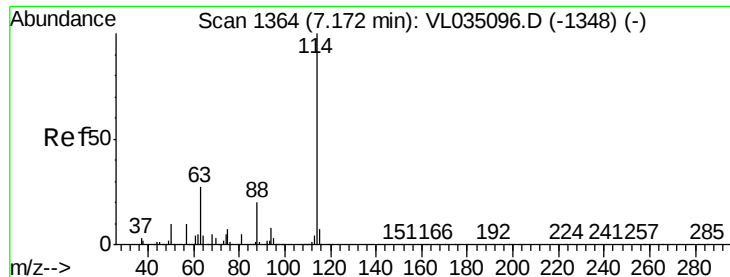
Tot Ion: 57 Resp: 13500
Ion Ratio Lower Upper
57 100
41 146.4 72.9 109.3#
43 112.1 181.3 271.9#
56 78.5 43.1 64.7#



#27
Carbon Disulfide
Concen: 0.031 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.01 min
Lab File: VL035114.D
Acq: 22 Jun 2020 17:14

Tgt Ion: 76 Resp: 4218
Ion Ratio Lower Upper
76 100
44 0.0 15.8 23.8#
78 0.0 7.6 11.4#

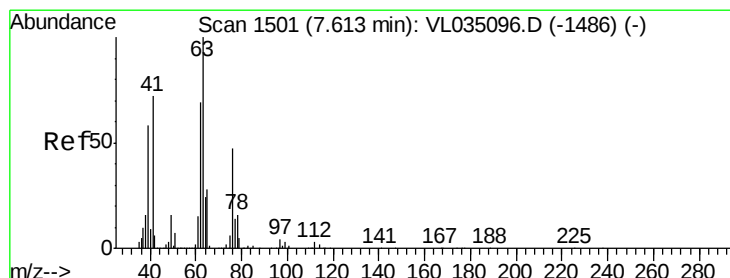
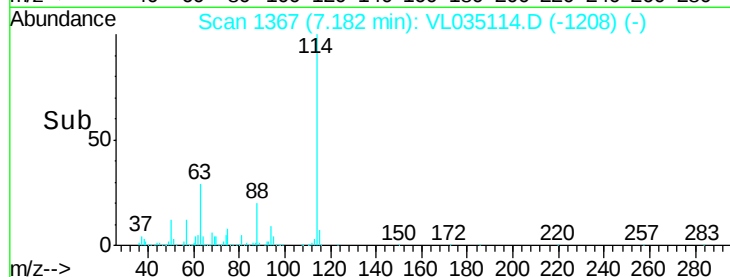
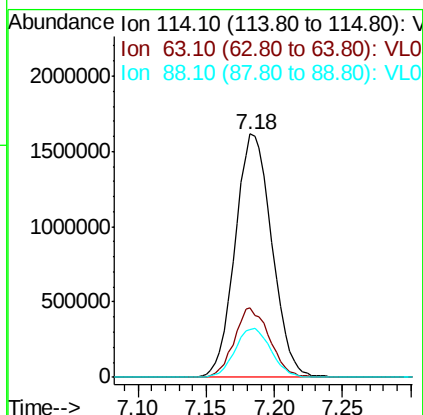
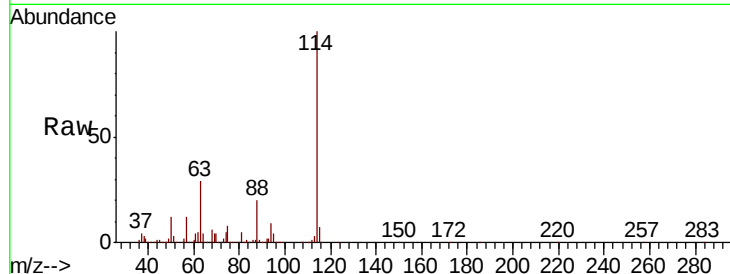




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035114.D
 Acq: 22 Jun 2020 17:14

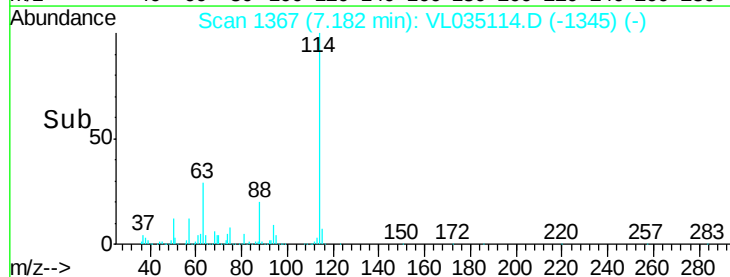
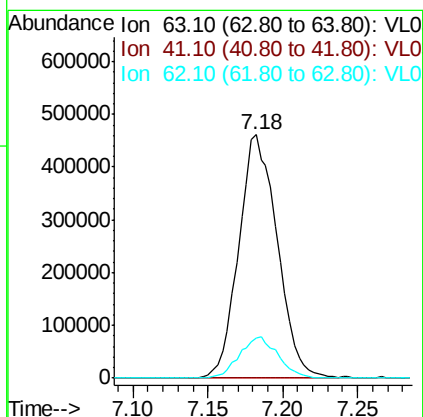
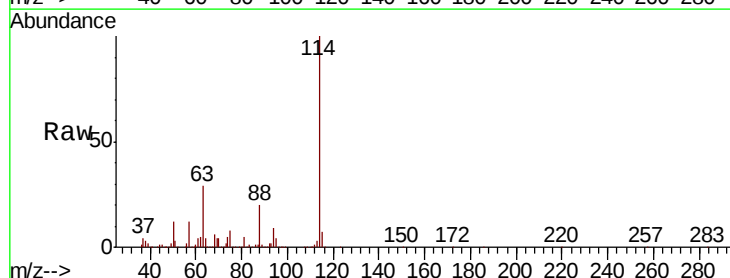
Instrument :
 MSVOA_L
 ClientSampleId :
 QC060420 CAN 10060

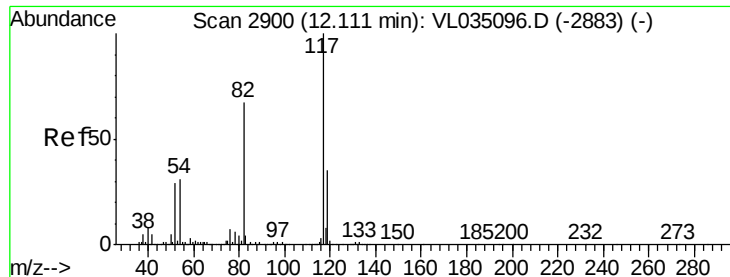
Tot Ion:114 Resp: 3021309
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.9 32.9
 88 19.7 15.6 23.4



#39
 1,2-Dichloropropane
 Concen: 9.031 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.43 min
 Lab File: VL035114.D
 Acq: 22 Jun 2020 17:14

Tgt Ion: 63 Resp: 826374
 Ion Ratio Lower Upper
 63 100
 41 0.1 58.0 87.0#
 62 16.4 55.4 83.0#

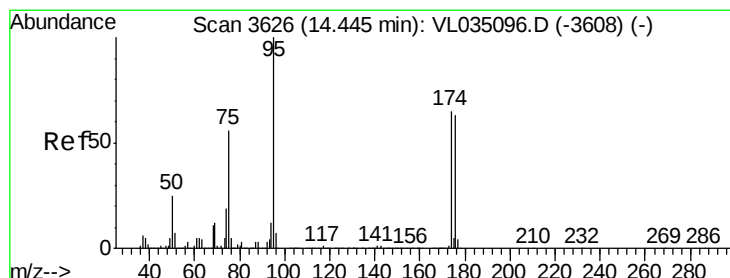
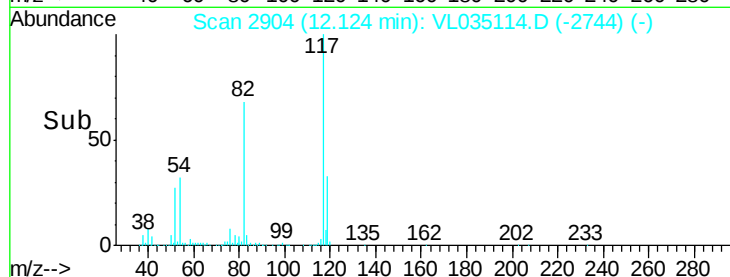
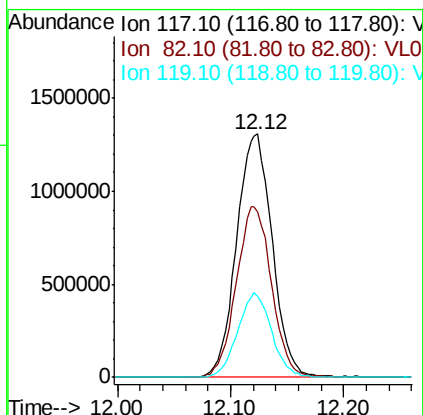
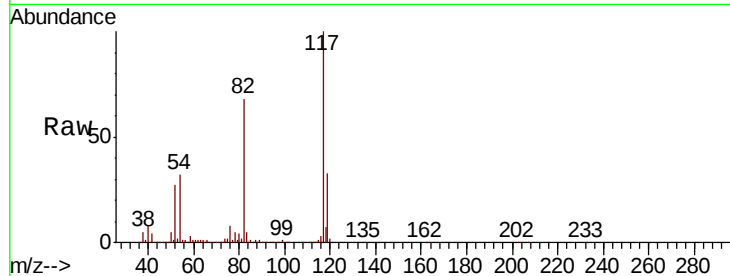




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035114.D
Acq: 22 Jun 2020 17:14

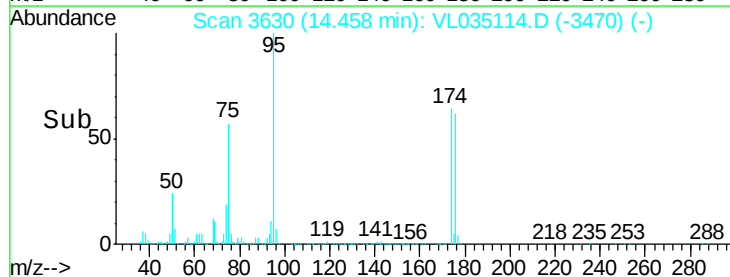
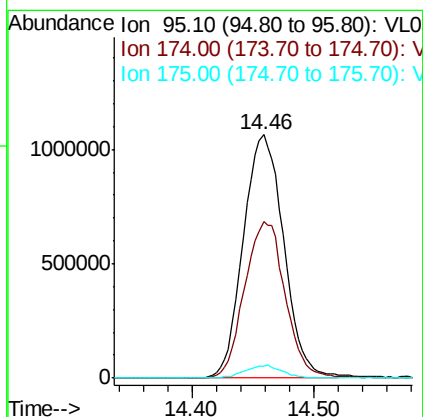
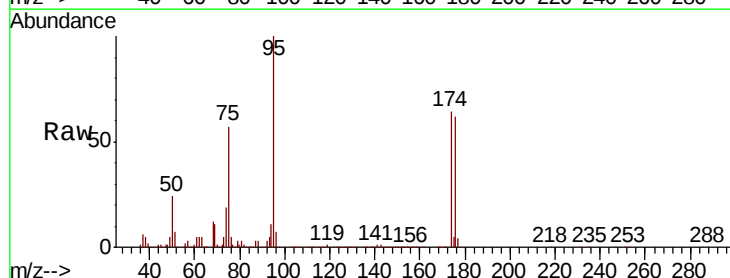
Instrument :
MSVOA_L
ClientSampleId :
QC060420 CAN 10060

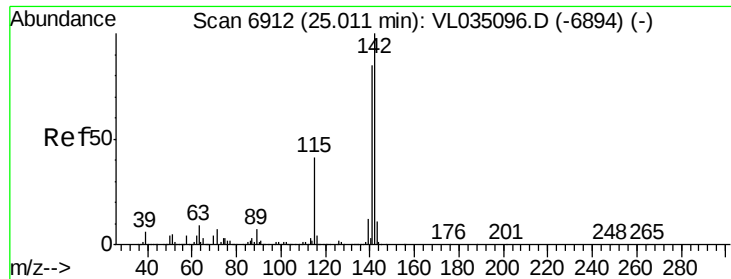
Tot Ion:117 Resp: 2867085
Ion Ratio Lower Upper
117 100
82 69.6 50.4 75.6
119 33.1 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.191 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL035114.D
Acq: 22 Jun 2020 17:14

Tgt Ion: 95 Resp: 2427083
Ion Ratio Lower Upper
95 100
174 65.2 52.2 78.2
175 4.9 4.0 6.0





#80

Naphthalene, 2-methyl-

Concen: 0.067 ppbv

RT: 25.03 min Scan# 6917

Delta R.T. 0.02 min

Lab File: VL035114.D

Acq: 22 Jun 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

QC060420 CAN 10060

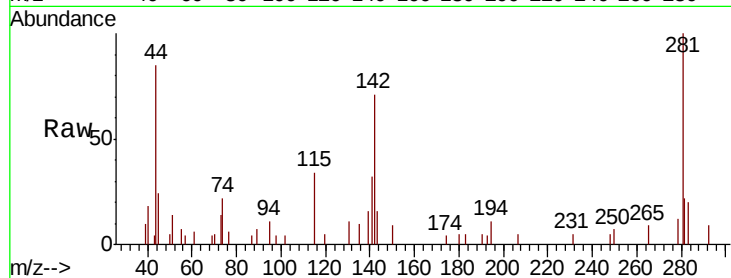
Tot Ion:142 Resp: 7504

Ion Ratio Lower Upper

142 100

141 75.9 67.5 101.3

115 35.5 33.8 50.8



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

