

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035115.D
 Acq On : 22 Jun 2020 17:54
 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 01:27:09 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	1225870	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2850965	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	2718695	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2293816	10.16	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

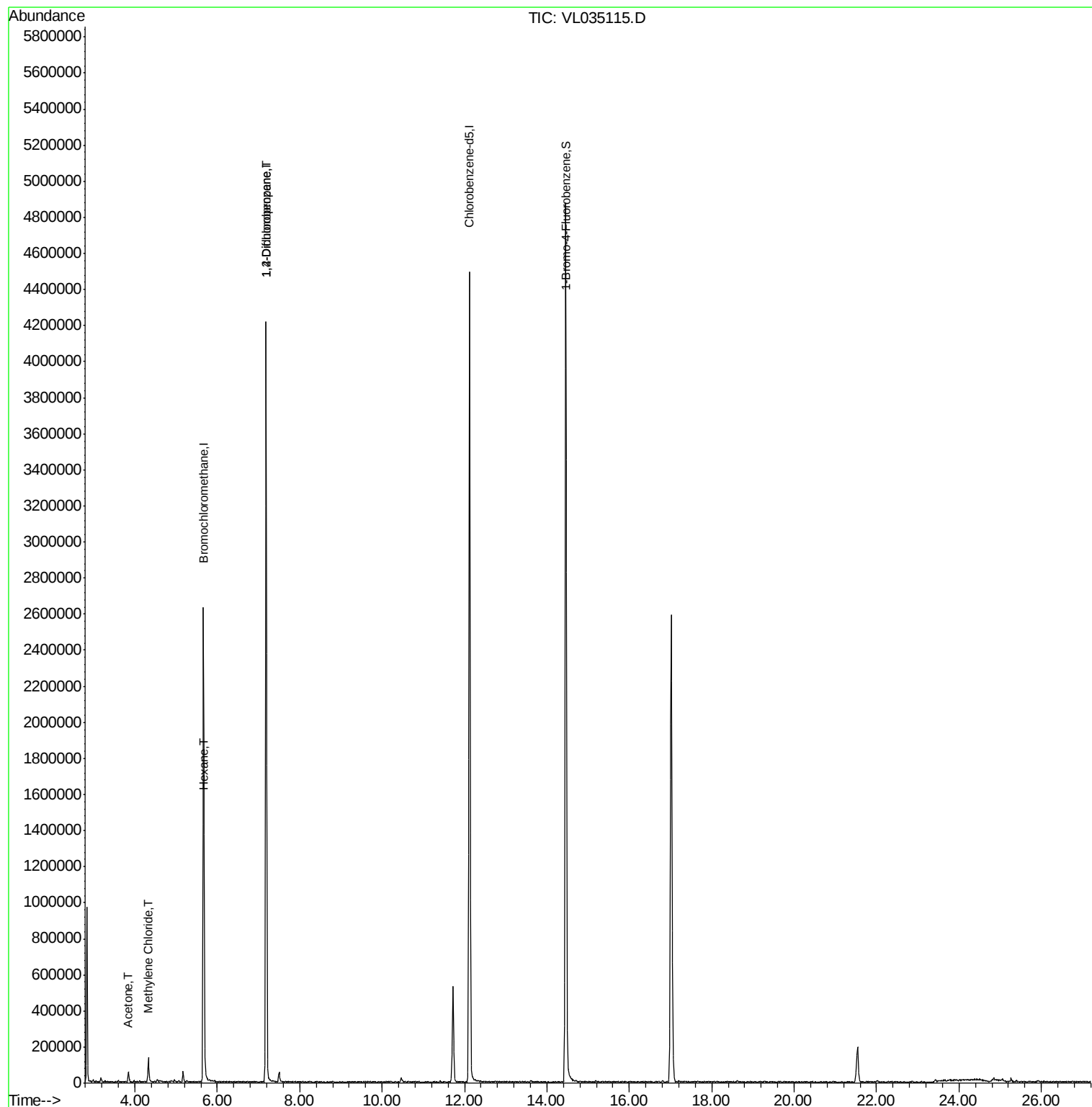
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.83	43	19454	0.131	ppbv #	48
20) Methylene Chloride	4.33	84	41713	0.695	ppbv	89
26) Hexane	5.69	57	4002	0.033	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	776288	8.991	ppbv #	25

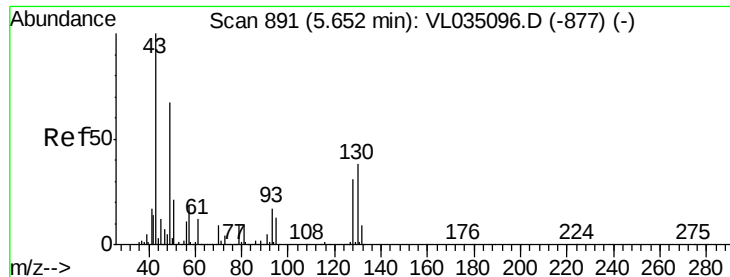
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035115.D

Acq: 22 Jun 2020 17:54

Instrument :

MSVOA_L

ClientSampleId :

QC060420 CAN 10060

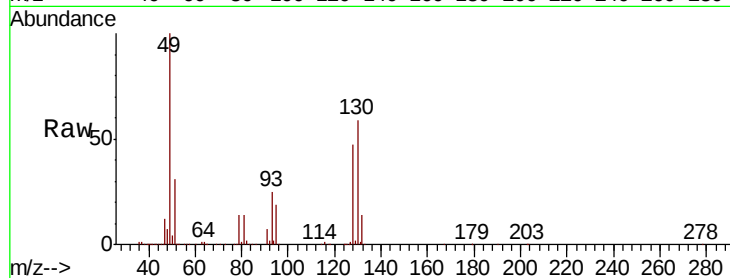
Tot Ion: 49 Resp: 1225870

Ion Ratio Lower Upper

49 100

128 46.8 22.9 68.5

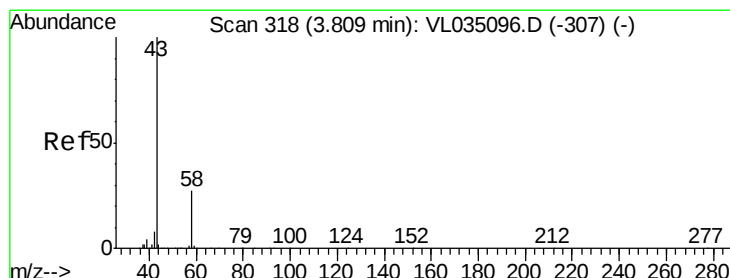
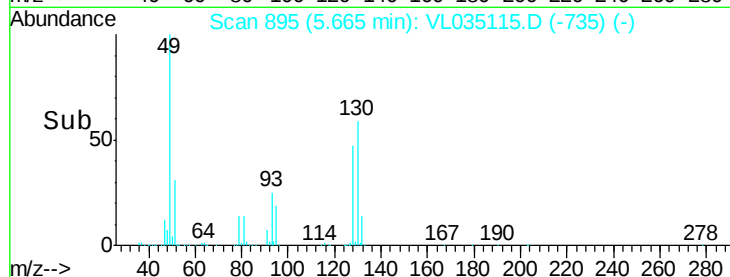
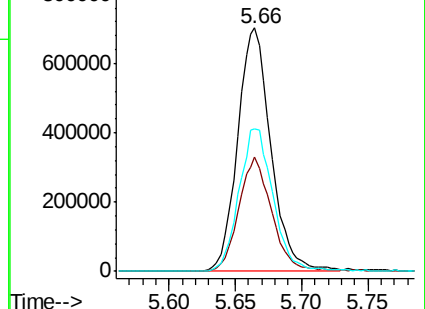
130 60.5 29.0 87.0



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: 0.131 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.02 min

Lab File: VL035115.D

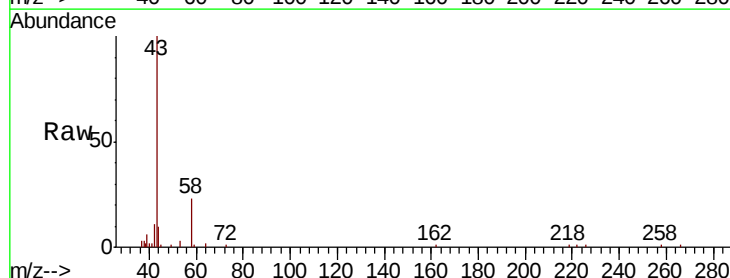
Acq: 22 Jun 2020 17:54

Tgt Ion: 43 Resp: 19454

Ion Ratio Lower Upper

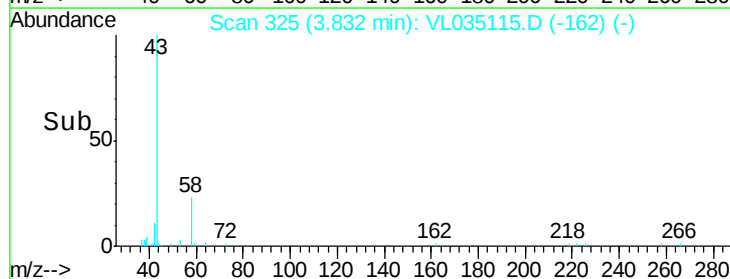
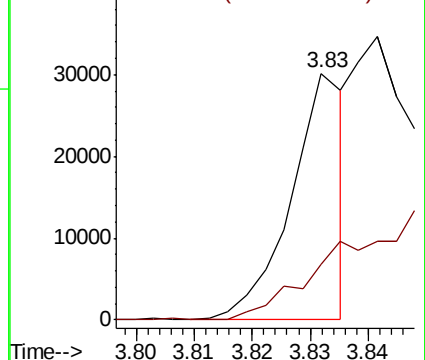
43 100

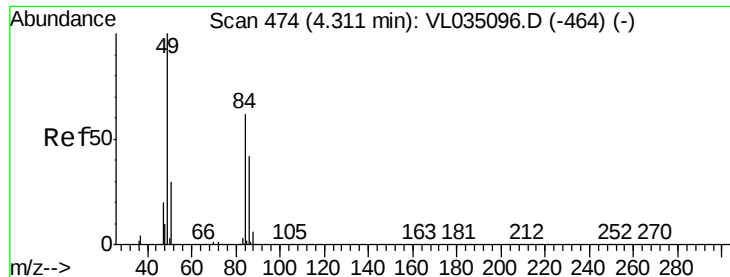
58 0.0 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methvlene Chloride

Concen: 0.695 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.02 min

Lab File: VL035115.D

Acq: 22 Jun 2020 17:54

Instrument :

MSVOA_L

ClientSampleId :

QC060420 CAN 10060

Tot Ion: 84 Resp: 41713

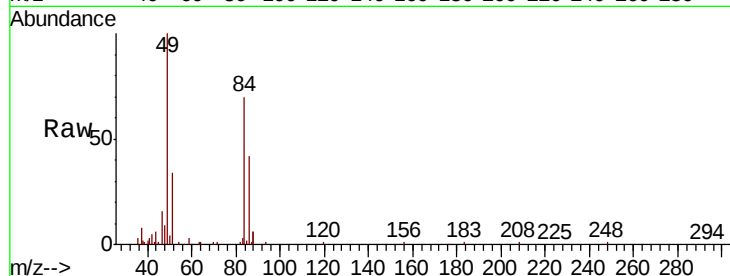
Ion Ratio Lower Upper

84 100

49 141.9 128.8 193.2

51 47.4 38.7 58.1

86 59.5 54.1 81.1

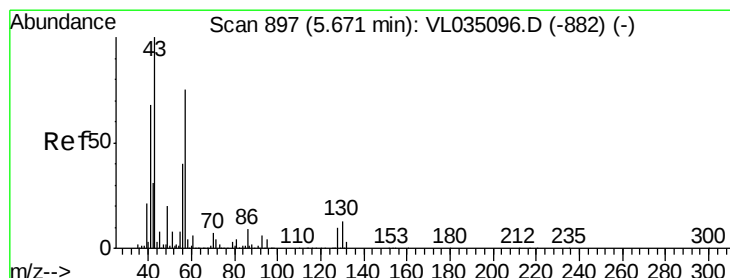
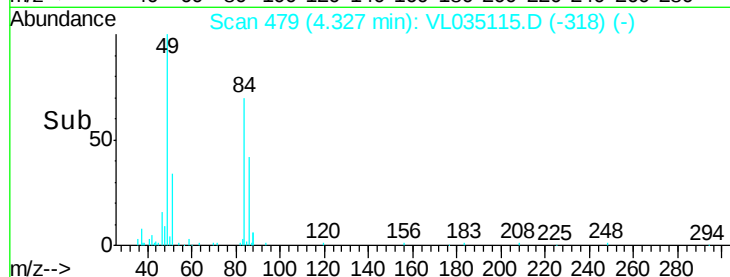
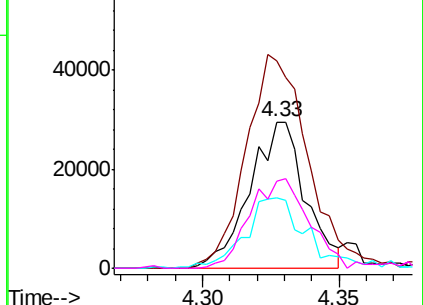


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.033 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL035115.D

Acq: 22 Jun 2020 17:54

Tgt Ion: 57 Resp: 4002

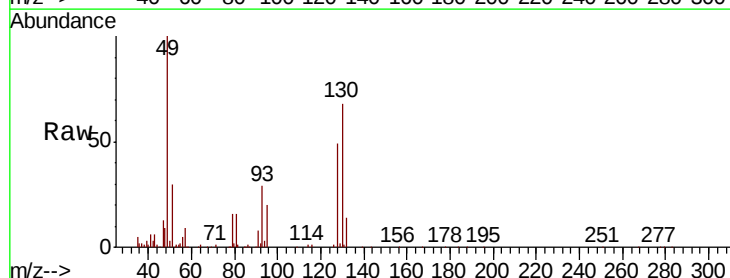
Ion Ratio Lower Upper

57 100

41 0.0 72.9 109.3#

43 0.0 181.3 271.9#

56 257.8 43.1 64.7#

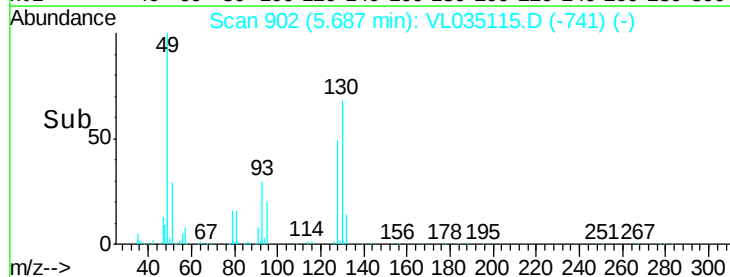
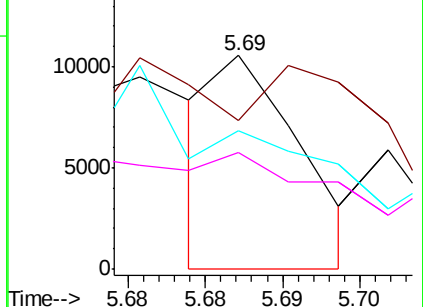


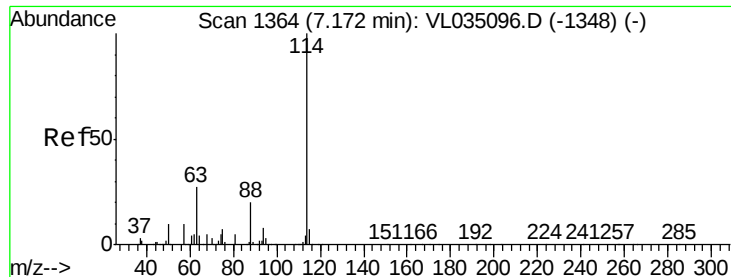
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

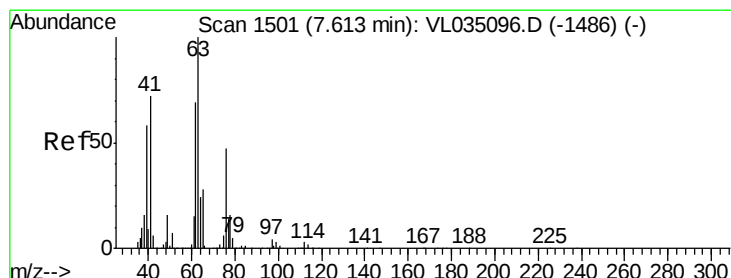
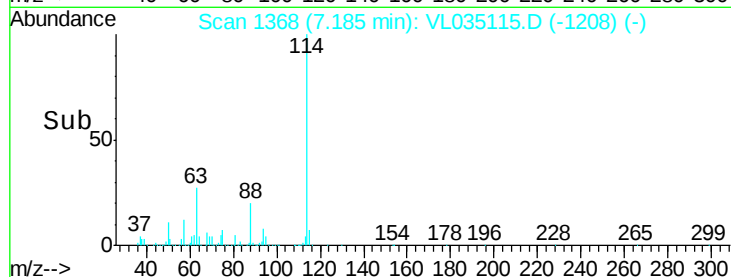
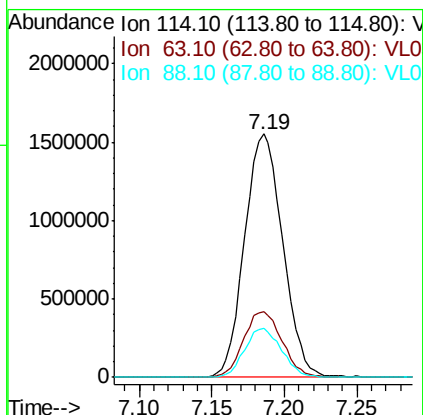
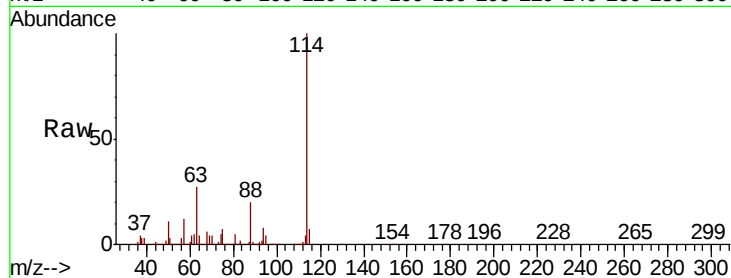




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035115.D
 Acq: 22 Jun 2020 17:54

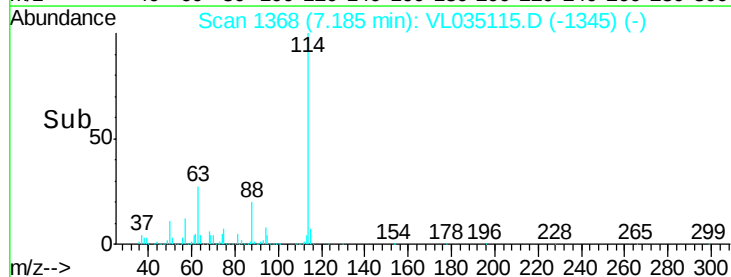
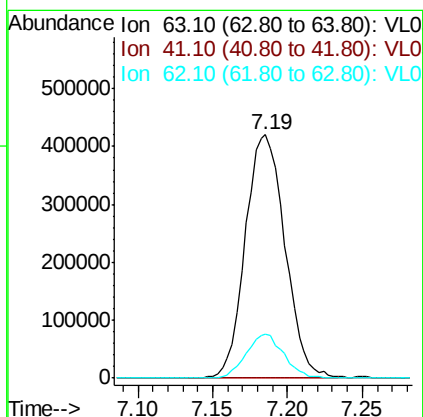
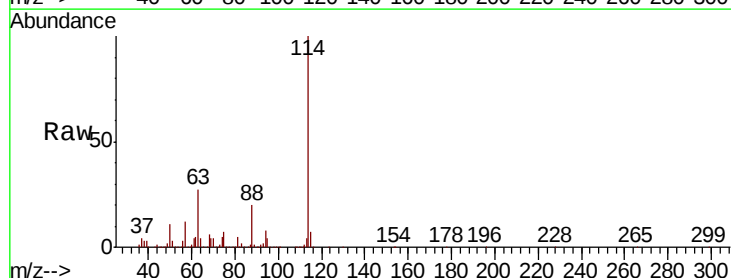
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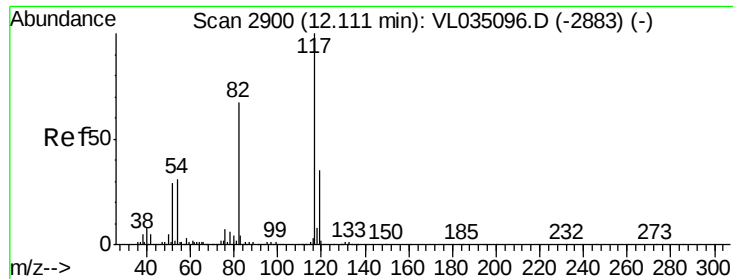
Tot Ion:114 Resp: 2850965
 Ion Ratio Lower Upper
 114 100
 63 27.4 21.9 32.9
 88 19.6 15.6 23.4



#39
 1,2-Dichloropropane
 Concen: 8.991 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.43 min
 Lab File: VL035115.D
 Acq: 22 Jun 2020 17:54

Tgt Ion: 63 Resp: 776288
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.0 87.0#
 62 18.1 55.4 83.0#

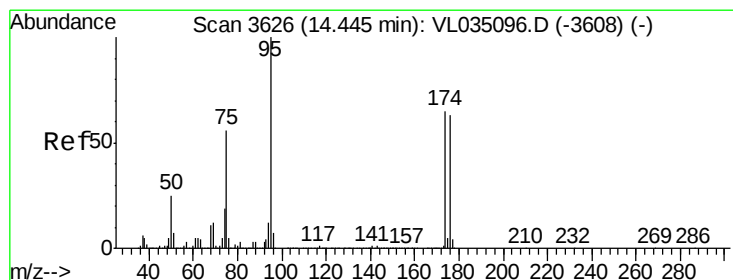
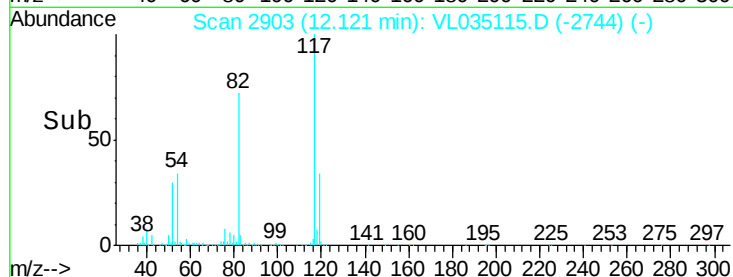
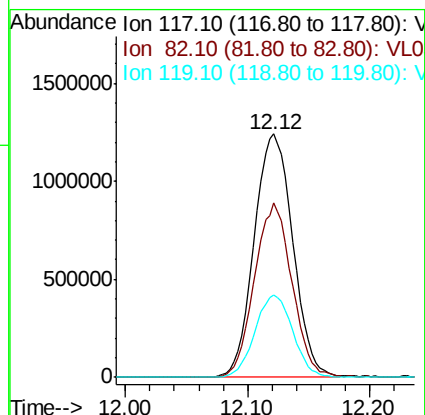
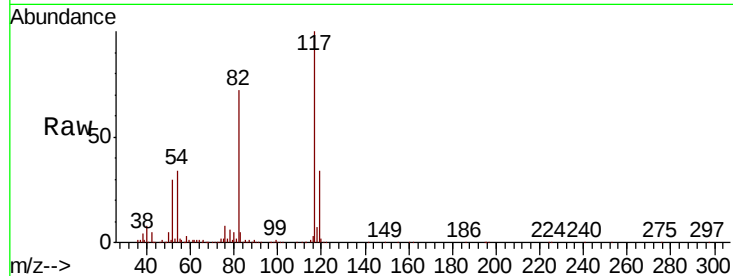




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035115.D
Acq: 22 Jun 2020 17:54

Instrument :
MSVOA_L
ClientSampleId :
QC060420 CAN 10060

Tot Ion:117 Resp: 2718695
Ion Ratio Lower Upper
117 100
82 70.0 50.4 75.6
119 33.2 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.157 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL035115.D
Acq: 22 Jun 2020 17:54

Tgt Ion: 95 Resp: 2293816
Ion Ratio Lower Upper
95 100
174 65.8 52.2 78.2
175 5.0 4.0 6.0

