

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
 Data File : VL034924.D
 Acq On : 17 Mar 2020 20:43
 Operator : SY/AP
 Sample : QC031620 CAN 10457
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031620 CAN 10457

Quant Time: Mar 18 07:00:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1023347	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2166529	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2166361	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1801980	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

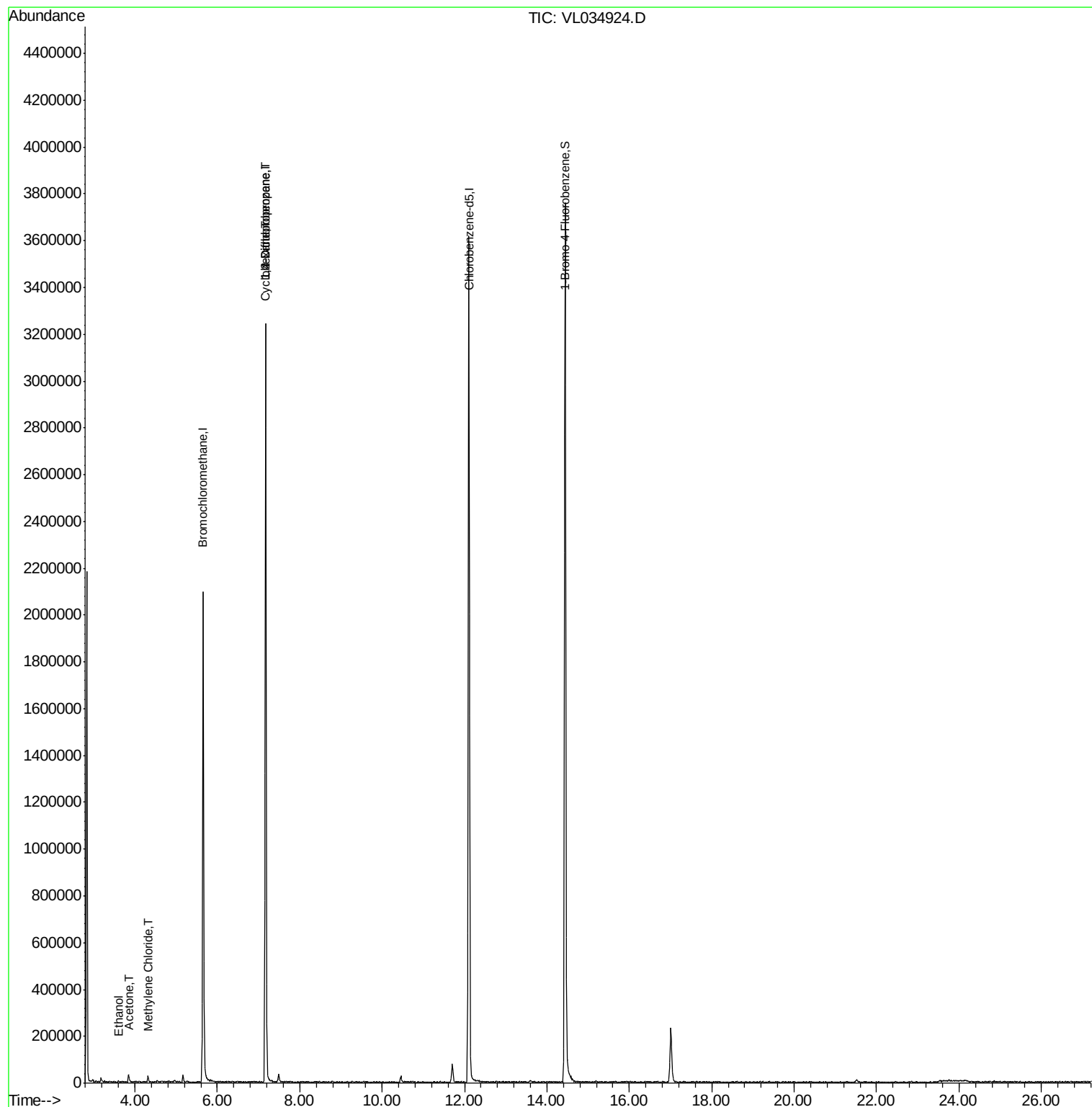
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	1622	0.098	ppbv #	35
15) Acetone	3.84	43	30496	0.230	ppbv #	72
20) Methylene Chloride	4.32	84	5710	0.136	ppbv #	95
30) Cyclohexane	7.16	84	5561	0.066	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	590141	7.713	ppbv #	23

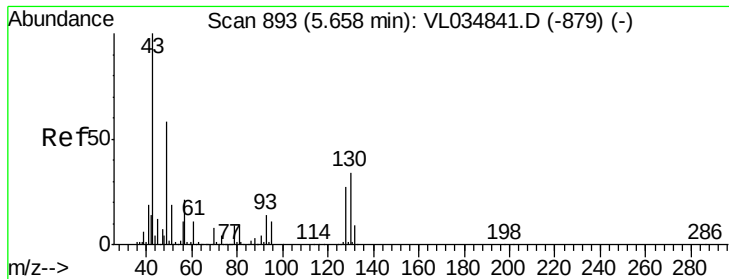
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034924.D

Acq: 17 Mar 2020 20:43

Instrument :

MSVOA_L

ClientSampleId :

QC031620 CAN 10457

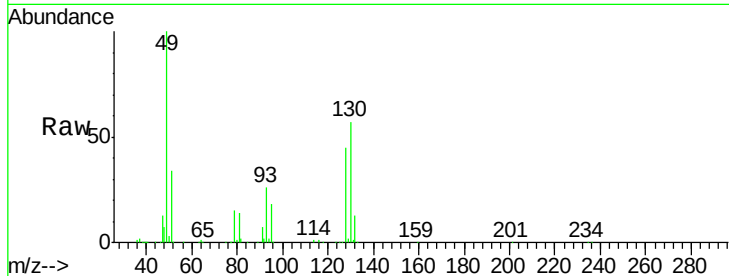
Tgt Ion: 49 Resp: 1023347

Ion Ratio Lower Upper

49 100

128 44.4 23.4 70.3

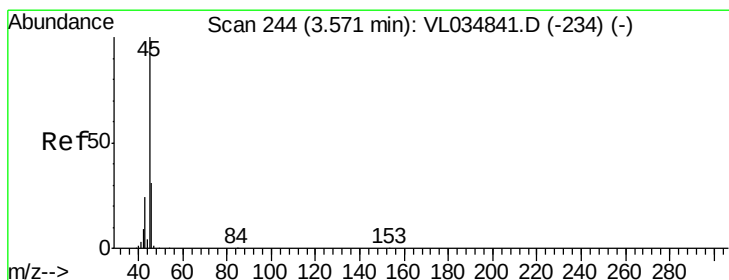
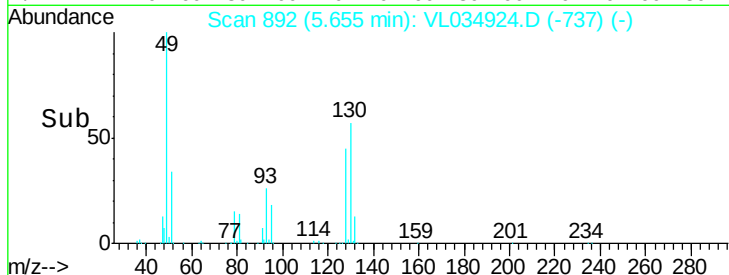
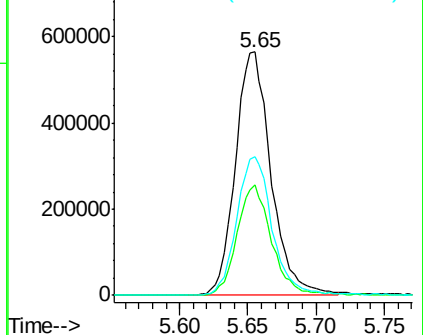
130 57.8 30.0 90.0



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



#13

Ethanol

Concen: 0.098 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.03 min

Lab File: VL034924.D

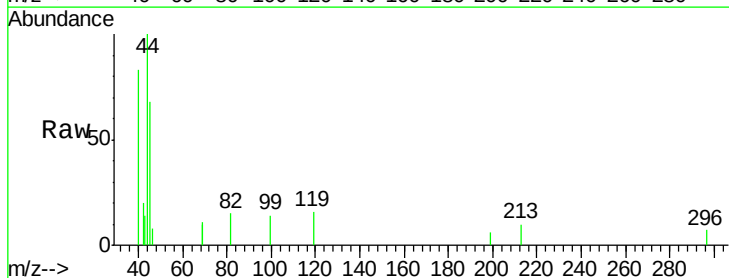
Acq: 17 Mar 2020 20:43

Tgt Ion: 45 Resp: 1622

Ion Ratio Lower Upper

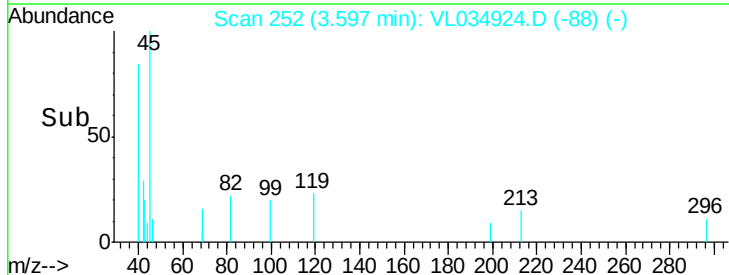
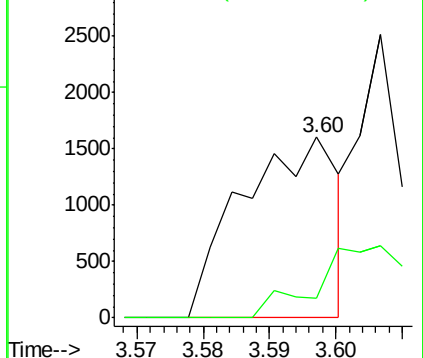
45 100

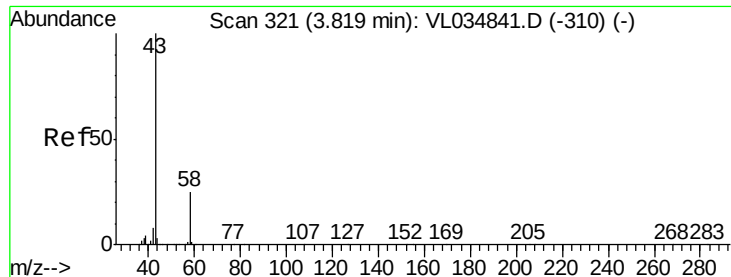
46 0.0 16.0 64.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.230 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034924.D

Acq: 17 Mar 2020 20:43

Instrument :

MSVOA_L

ClientSampleId :

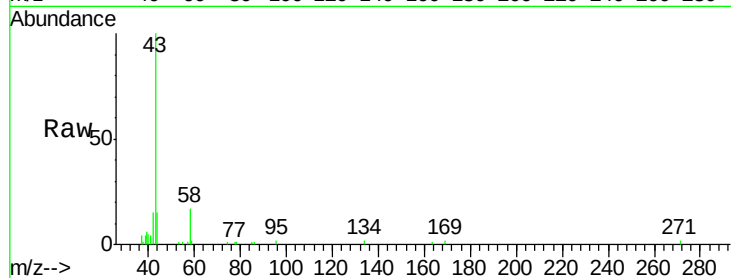
QC031620 CAN 10457

Tgt Ion: 43 Resp: 30496

Ion Ratio Lower Upper

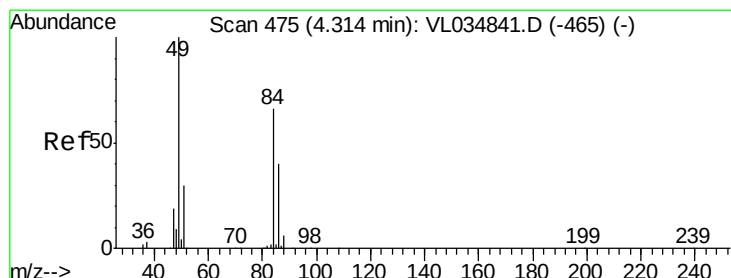
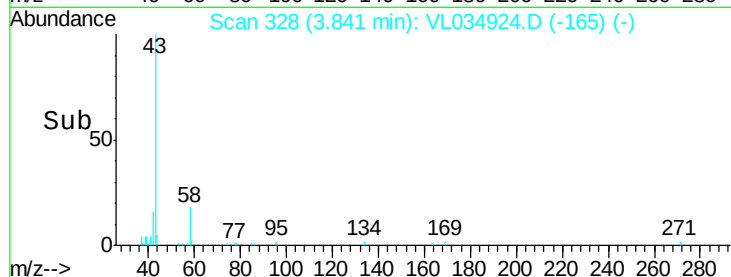
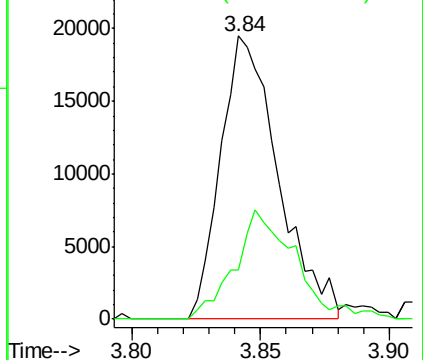
43 100

58 40.5 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.136 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034924.D

Acq: 17 Mar 2020 20:43

Tgt Ion: 84 Resp: 5710

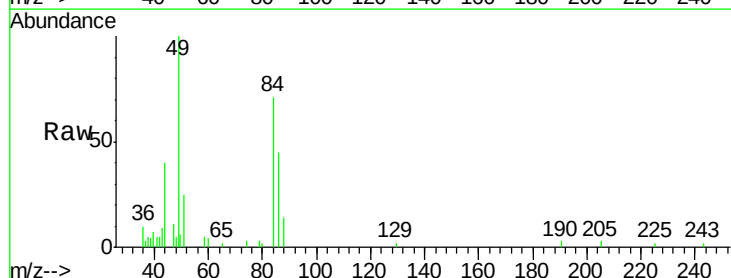
Ion Ratio Lower Upper

84 100

49 150.1 121.5 182.3

51 29.7 36.6 55.0#

86 59.8 48.2 72.2

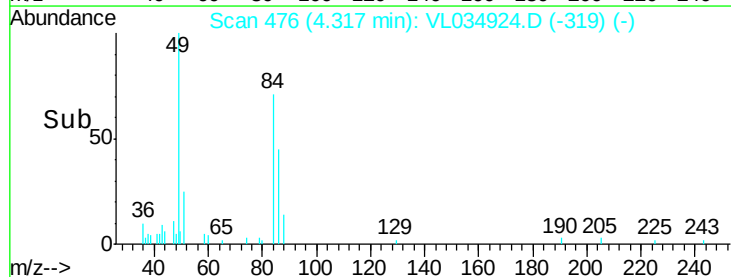
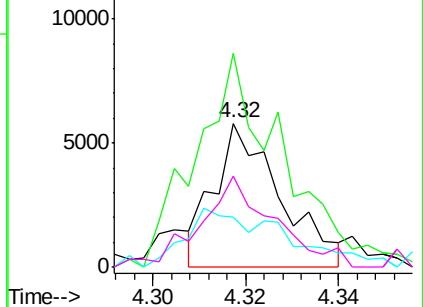


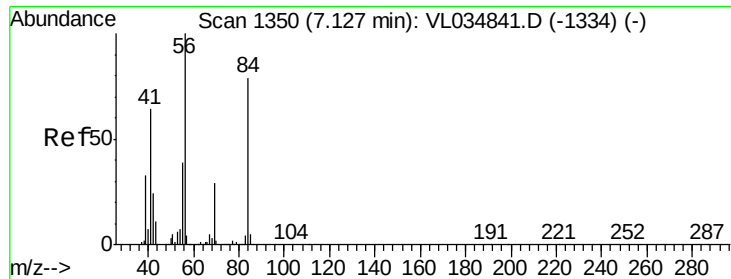
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

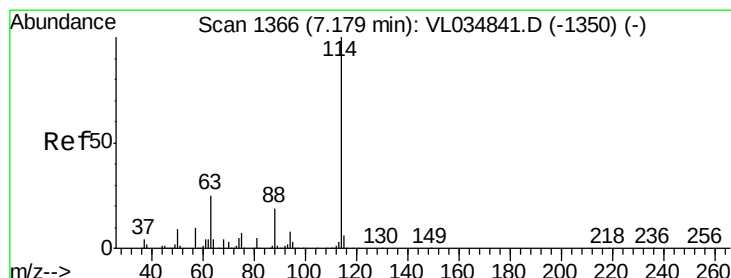
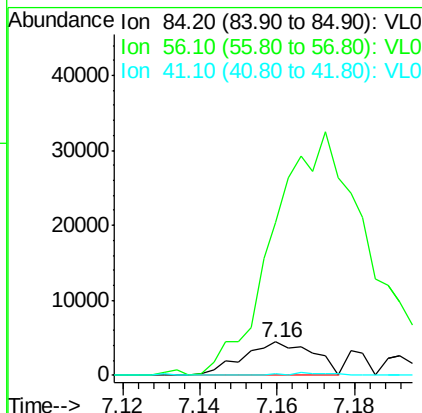
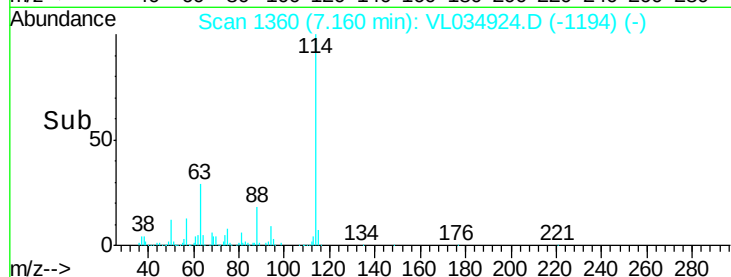
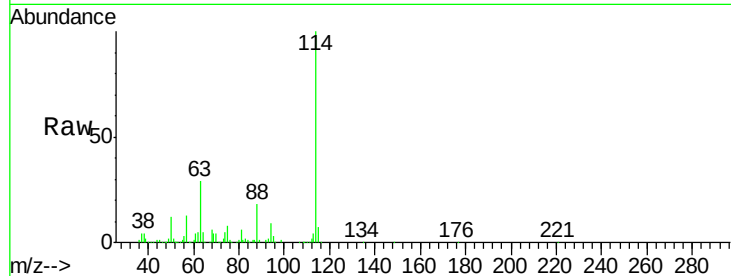




#30
Cyclohexane
Concen: 0.066 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.03 min
Lab File: VL034924.D
Acq: 17 Mar 2020 20:43

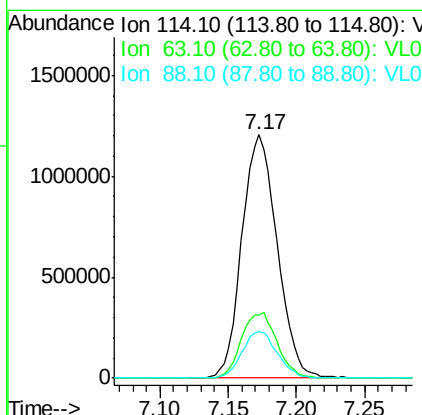
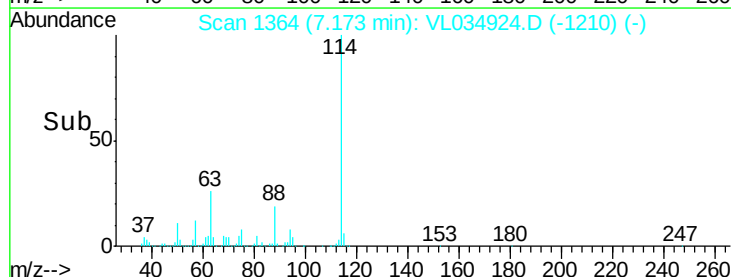
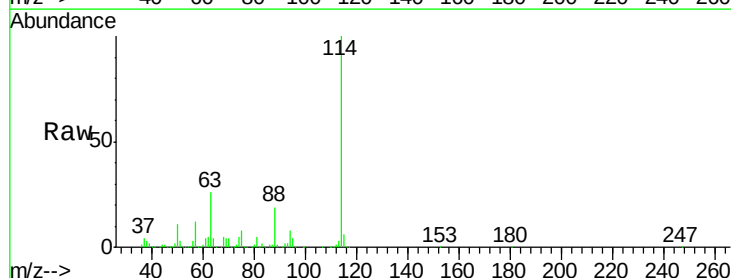
Instrument :
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QC031620 CAN 10457

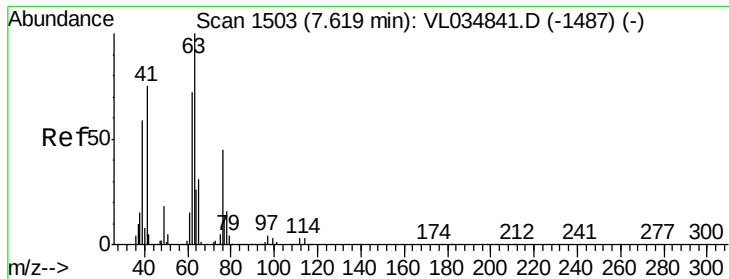
Tgt Ion: 84 Resp: 5561
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 0.0 68.2 102.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034924.D
Acq: 17 Mar 2020 20:43

Tgt Ion: 114 Resp: 2166529
Ion Ratio Lower Upper
114 100
63 27.5 20.6 31.0
88 19.2 15.0 22.6





#39

1,2-Dichloropropane

Concen: 7.713 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.44 min

Lab File: VL034924.D

Acq: 17 Mar 2020 20:43

Instrument :

MSVOA_L

ClientSampleId :

QC031620 CAN 10457

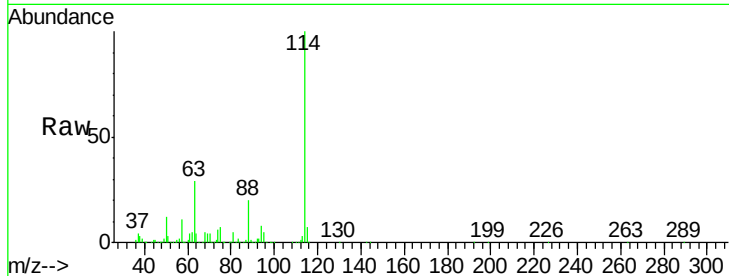
Tgt Ion: 63 Resp: 590141

Ion Ratio Lower Upper

63 100

41 0.1 59.8 89.8#

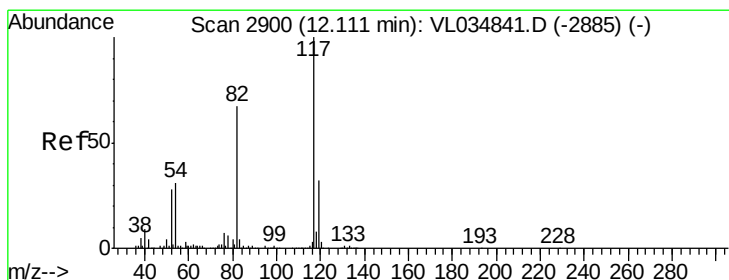
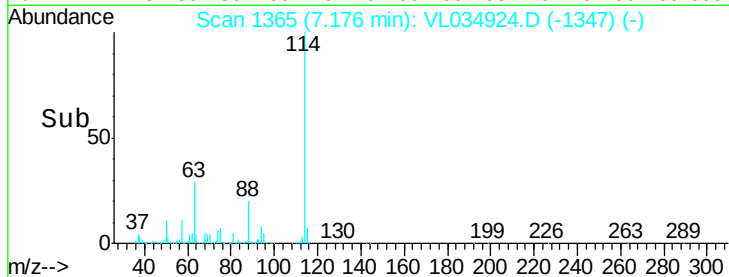
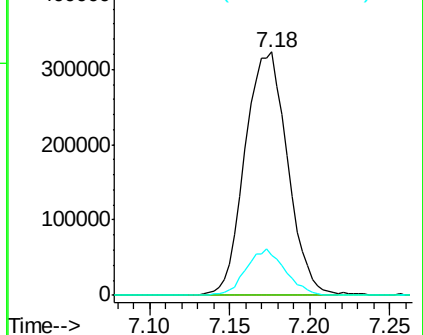
62 16.4 57.6 86.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL034924.D

Acq: 17 Mar 2020 20:43

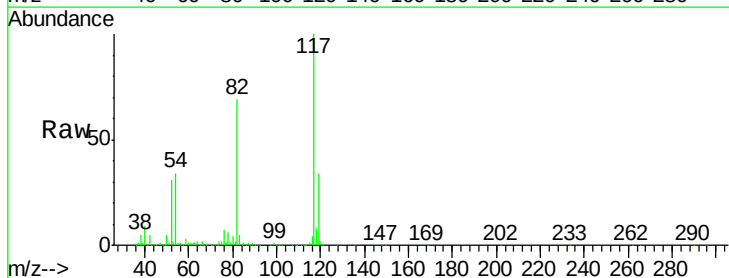
Tgt Ion: 117 Resp: 2166361

Ion Ratio Lower Upper

117 100

82 69.9 51.1 76.7

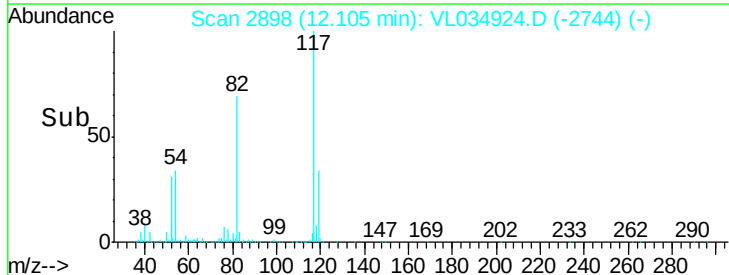
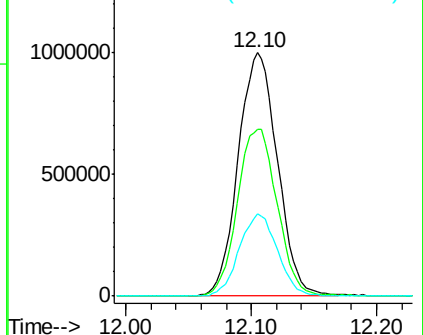
119 33.0 27.3 40.9

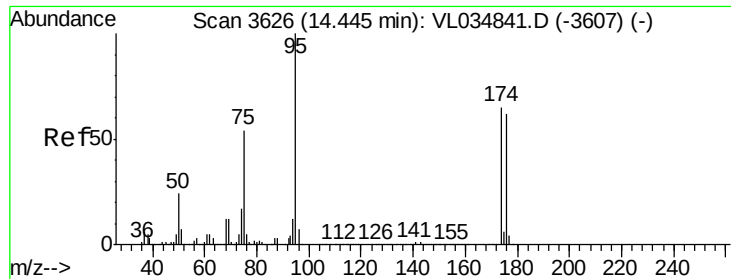


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.666 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL034924.D
 Acq: 17 Mar 2020 20:43

Instrument :
 MSVOA_L
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 QC031620 CAN 10457

Tgt Ion: 95 Resp: 1801980
 Ion Ratio Lower Upper
 95 100
 174 64.4 55.2 82.8
 175 4.7 4.3 6.5

