

Data File : VL034645.D
Acq On : 19 Feb 2020 8:43
Operator : SY/AP
Sample : QC021820 CAN 10054
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC021820 CAN 10054

Quant Time: Feb 20 00:50:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	953789	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	1995269	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	1997776	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1659378	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

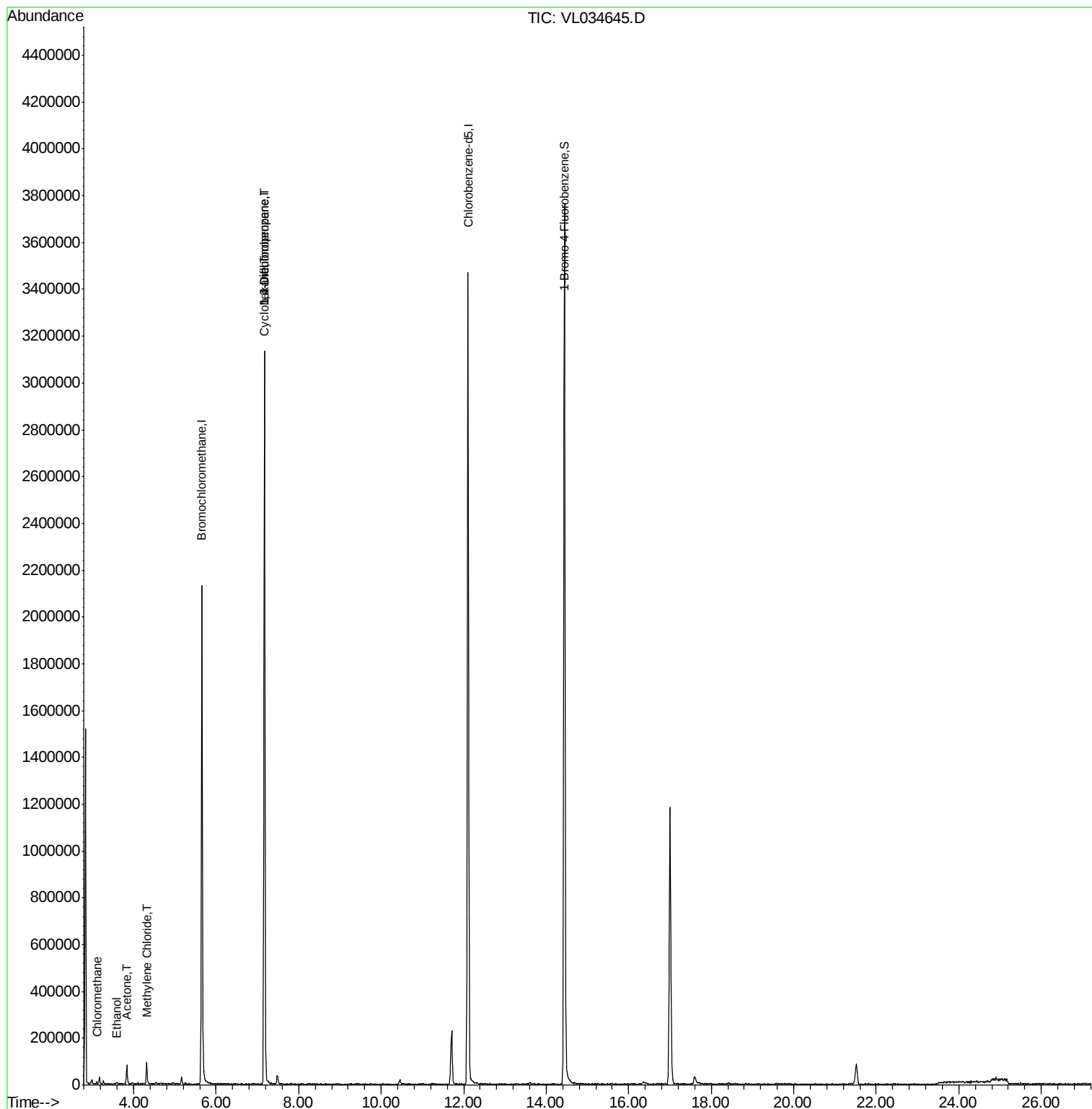
Target Compounds						Qvalue
4) Chloromethane	3.11	50	3813	0.054	ppbv	95
13) Ethanol	3.58	45	2609	0.217	ppbv #	44
15) Acetone	3.83	43	78260	0.558	ppbv #	87
20) Methylene Chloride	4.31	84	13184	0.247	ppbv	88
30) Cyclohexane	7.16	84	3545	0.050	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	574434	7.809	ppbv #	19

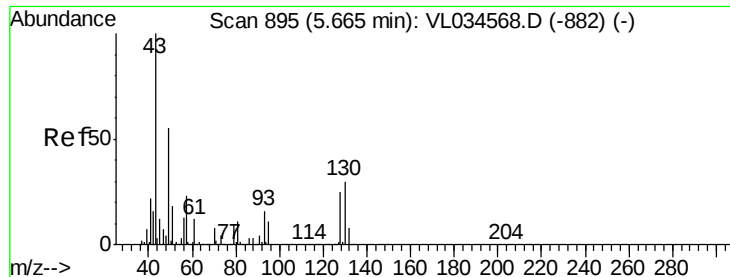
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

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QC021820 CAN 10054

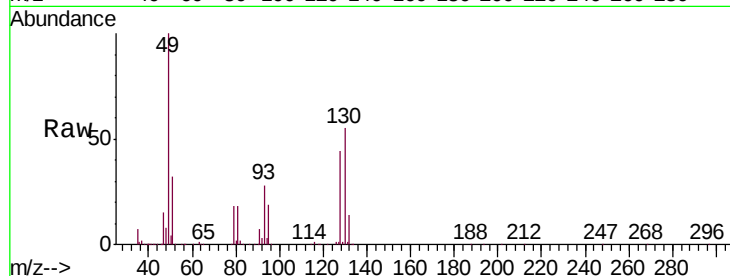
Tgt Ion: 49 Resp: 953789

Ion Ratio Lower Upper

49 100

128 46.2 22.7 68.1

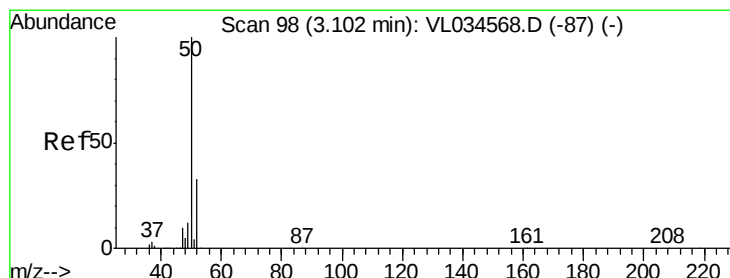
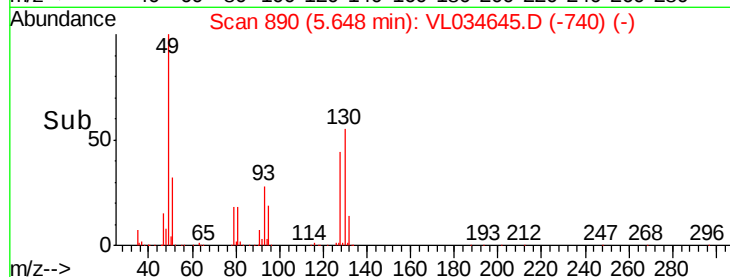
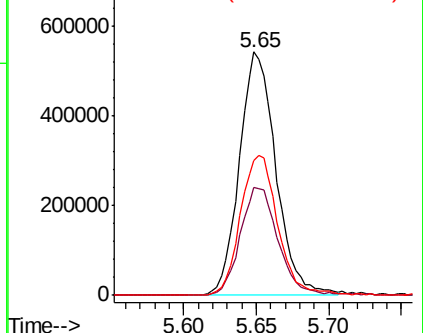
130 59.3 28.6 85.8



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



#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034645.D

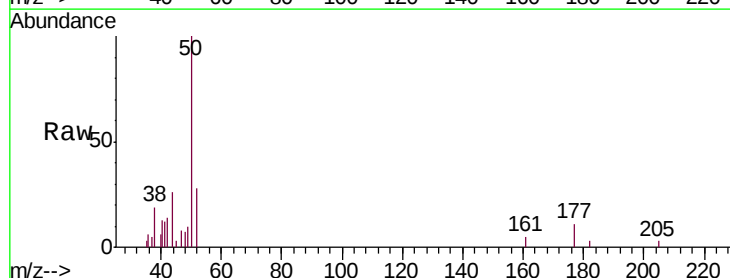
Acq: 19 Feb 2020 8:43

Tgt Ion: 50 Resp: 3813

Ion Ratio Lower Upper

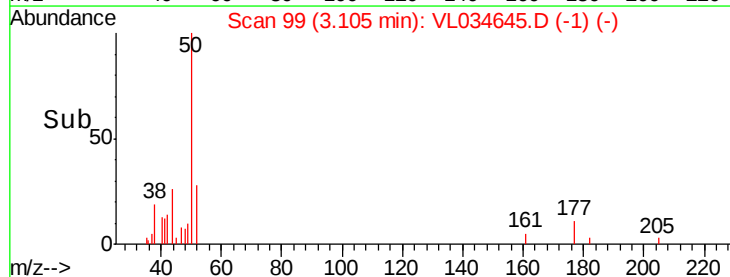
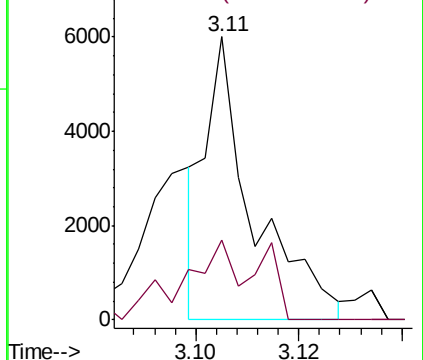
50 100

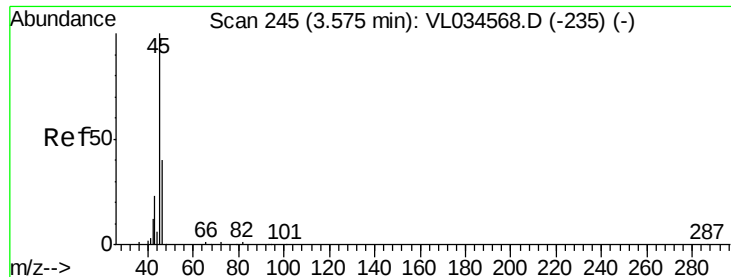
52 30.1 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#13

Ethanol

Concen: 0.217 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034645.D

Acq: 19 Feb 2020 8:43

Instrument :

MSVOA_L

ClientSampleId :

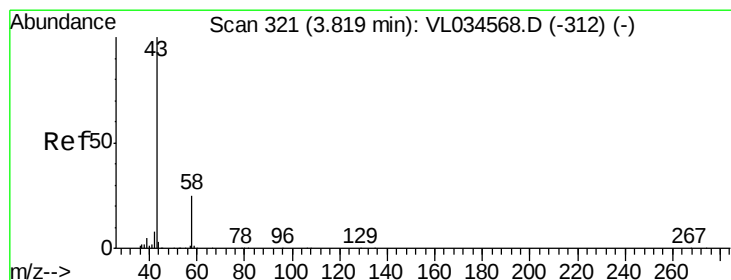
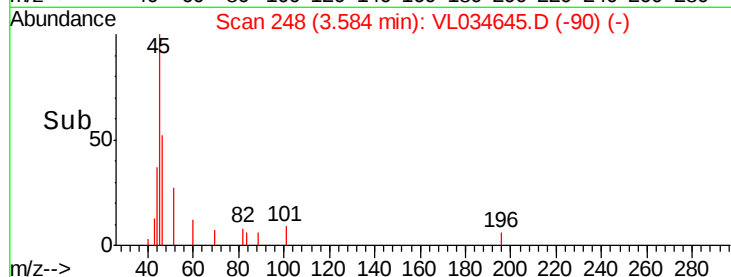
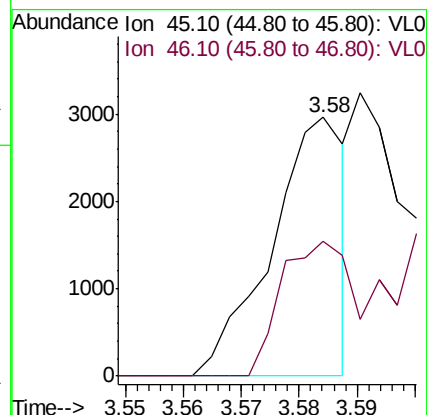
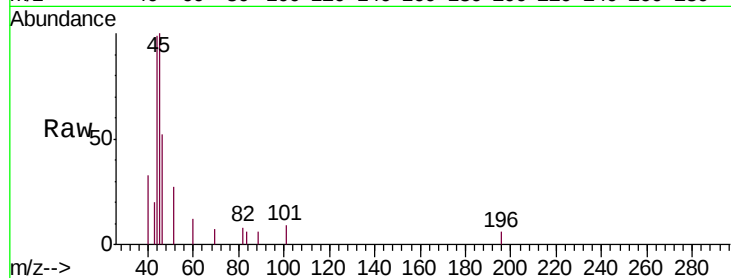
QC021820 CAN 10054

Tgt Ion: 45 Resp: 2609

Ion Ratio Lower Upper

45 100

46 3.9 14.8 59.2#



#15

Acetone

Concen: 0.558 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034645.D

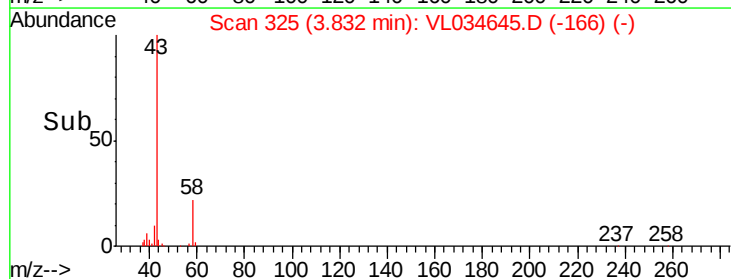
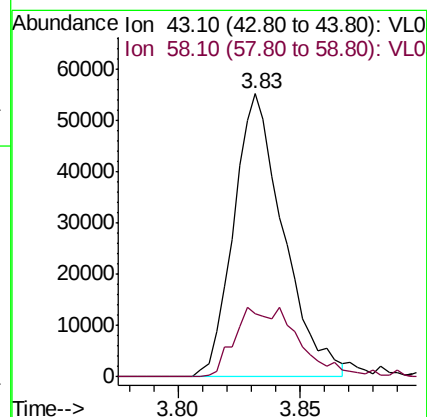
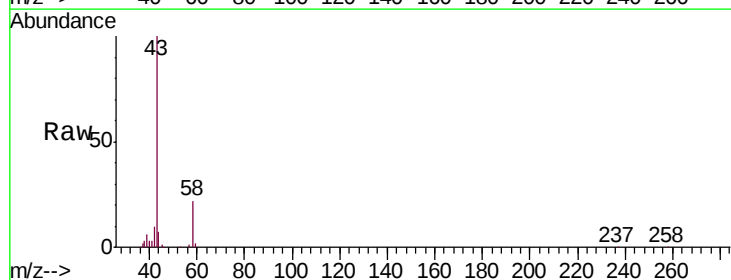
Acq: 19 Feb 2020 8:43

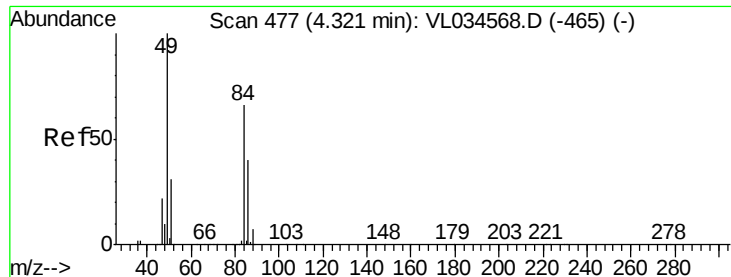
Tgt Ion: 43 Resp: 78260

Ion Ratio Lower Upper

43 100

58 32.1 20.3 30.5#

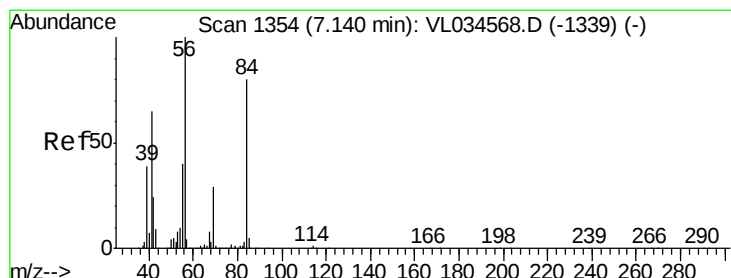
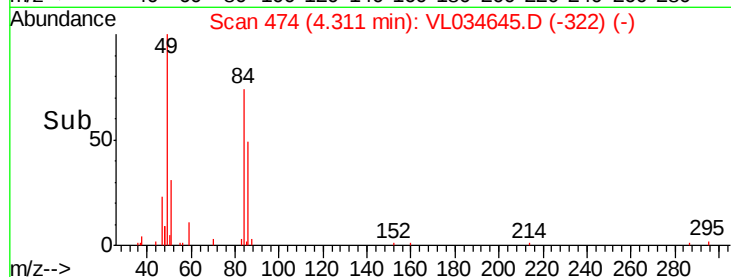
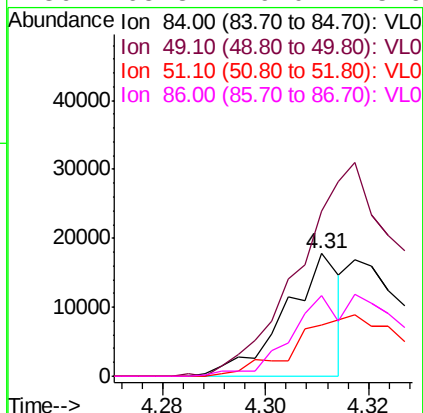
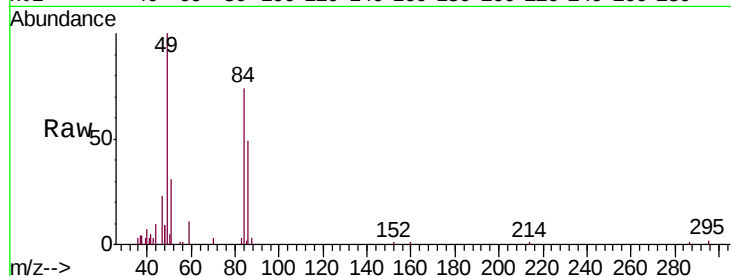




#20
Methylene Chloride
Concen: 0.247 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL034645.D
Acq: 19 Feb 2020 8:43

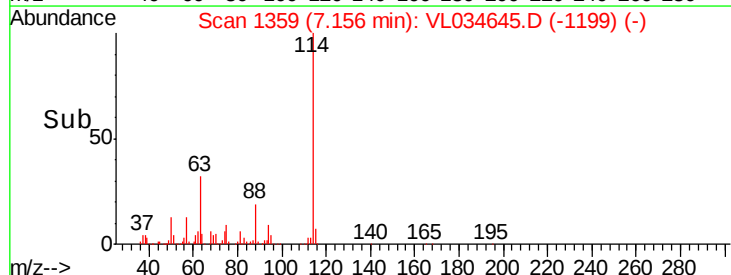
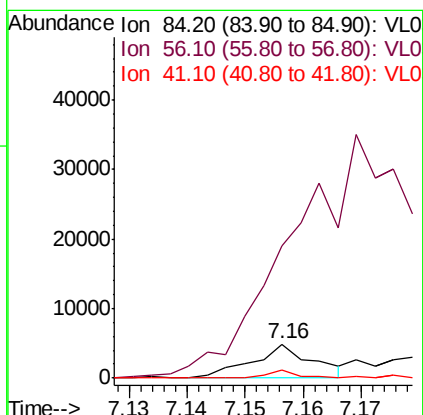
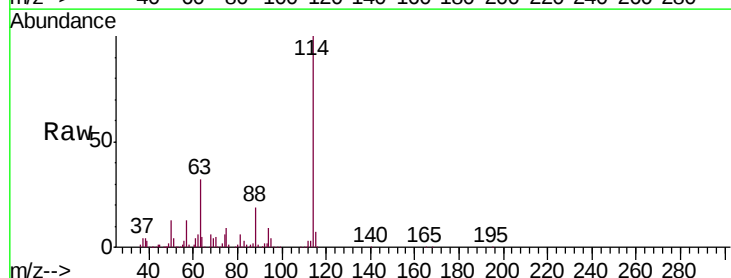
Instrument :
MSVOA_L
ClientSampleId :
QC021820 CAN 10054

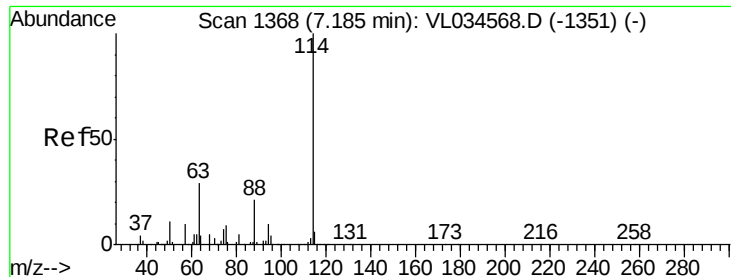
Tgt Ion:	84	Resp:	13184
Ion	Ratio	Lower	Upper
84	100		
49	132.7	122.4	183.6
51	41.7	38.6	57.8
86	65.3	49.0	73.6



#30
Cyclohexane
Concen: 0.050 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VL034645.D
Acq: 19 Feb 2020 8:43

Tgt Ion:	84	Resp:	3545
Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.5	165.7#
41	12.6	71.9	107.9#

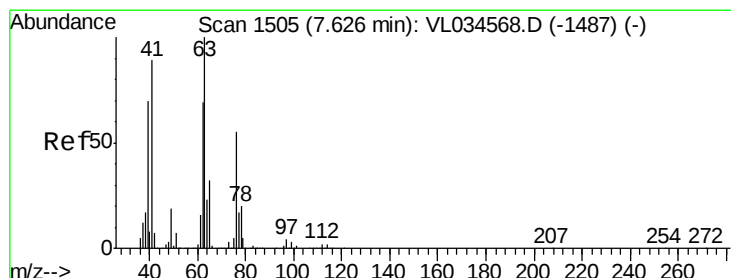
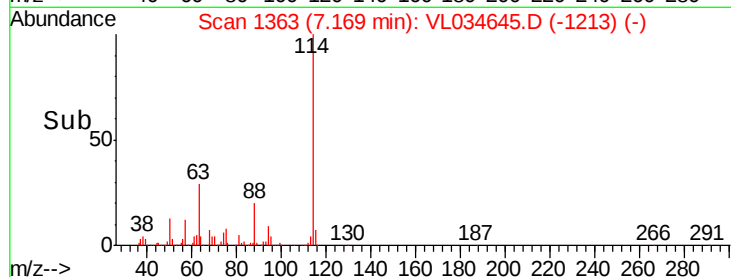
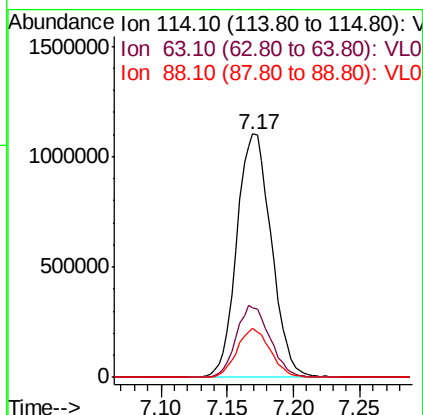
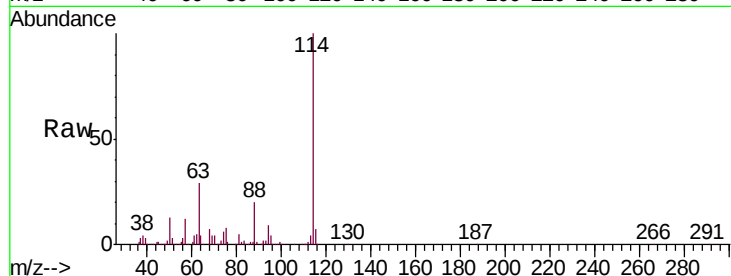




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL034645.D
 Acq: 19 Feb 2020 8:43

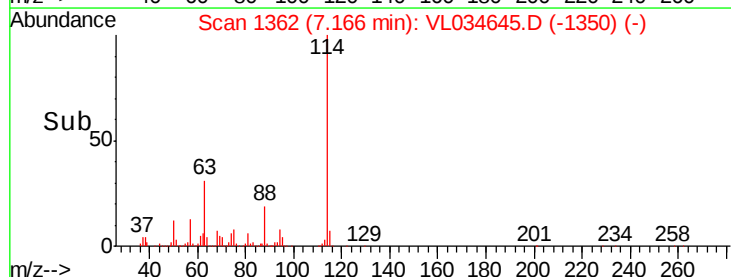
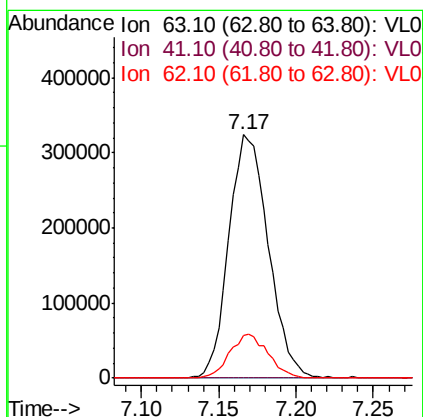
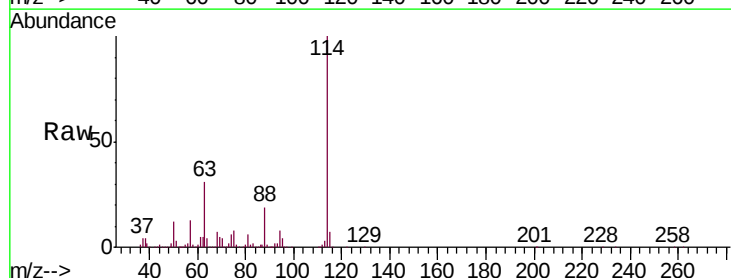
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 MSVOA_L
 ClientSampleId :
 QC021820 CAN 10054

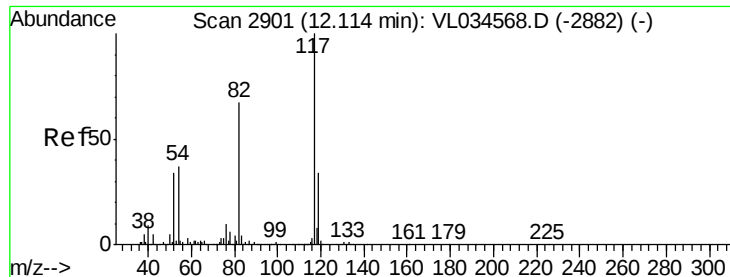
Tgt Ion: 114 Resp: 1995269
 Ion Ratio Lower Upper
 114 100
 63 28.8 24.1 36.1
 88 19.2 15.9 23.9



#39
 1,2-Dichloropropane
 Concen: 7.809 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.46 min
 Lab File: VL034645.D
 Acq: 19 Feb 2020 8:43

Tgt Ion: 63 Resp: 574434
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 17.7 55.4 83.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL034645.D

Acq: 19 Feb 2020 8:43

Instrument :

MSVOA_L

ClientSampleId :

QC021820 CAN 10054

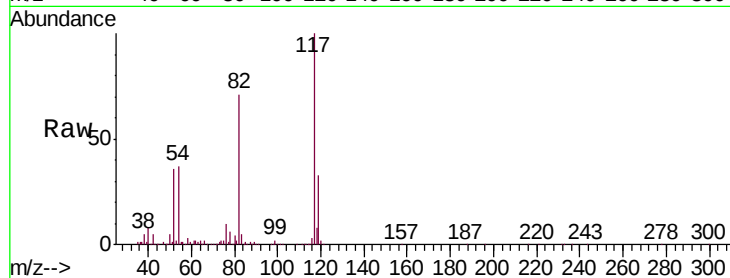
Tgt Ion:117 Resp: 1997776

Ion Ratio Lower Upper

117 100

82 70.2 54.2 81.4

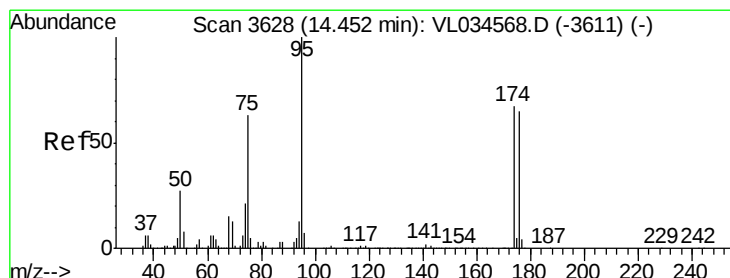
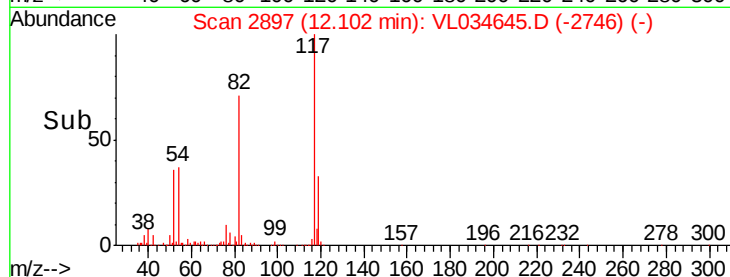
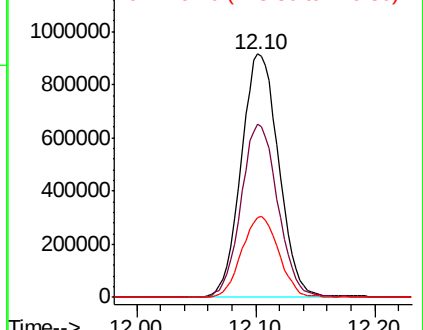
119 33.0 26.1 39.1



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: 9.828 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL034645.D

Acq: 19 Feb 2020 8:43

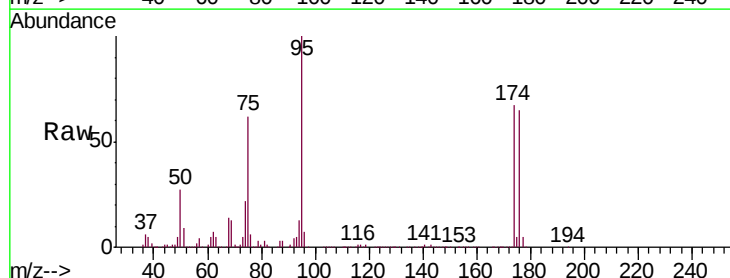
Tgt Ion: 95 Resp: 1659378

Ion Ratio Lower Upper

95 100

174 67.2 52.3 78.5

175 4.9 3.8 5.6



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

