

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036782.D
 Acq On : 9 Apr 2021 20:06
 Operator : SY/AP
 Sample : OC040921 CAN 10058
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040921 CAN 10058

Quant Time: Apr 10 02:01:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1336546	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3172597	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2517639	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1628970	8.12	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.20%

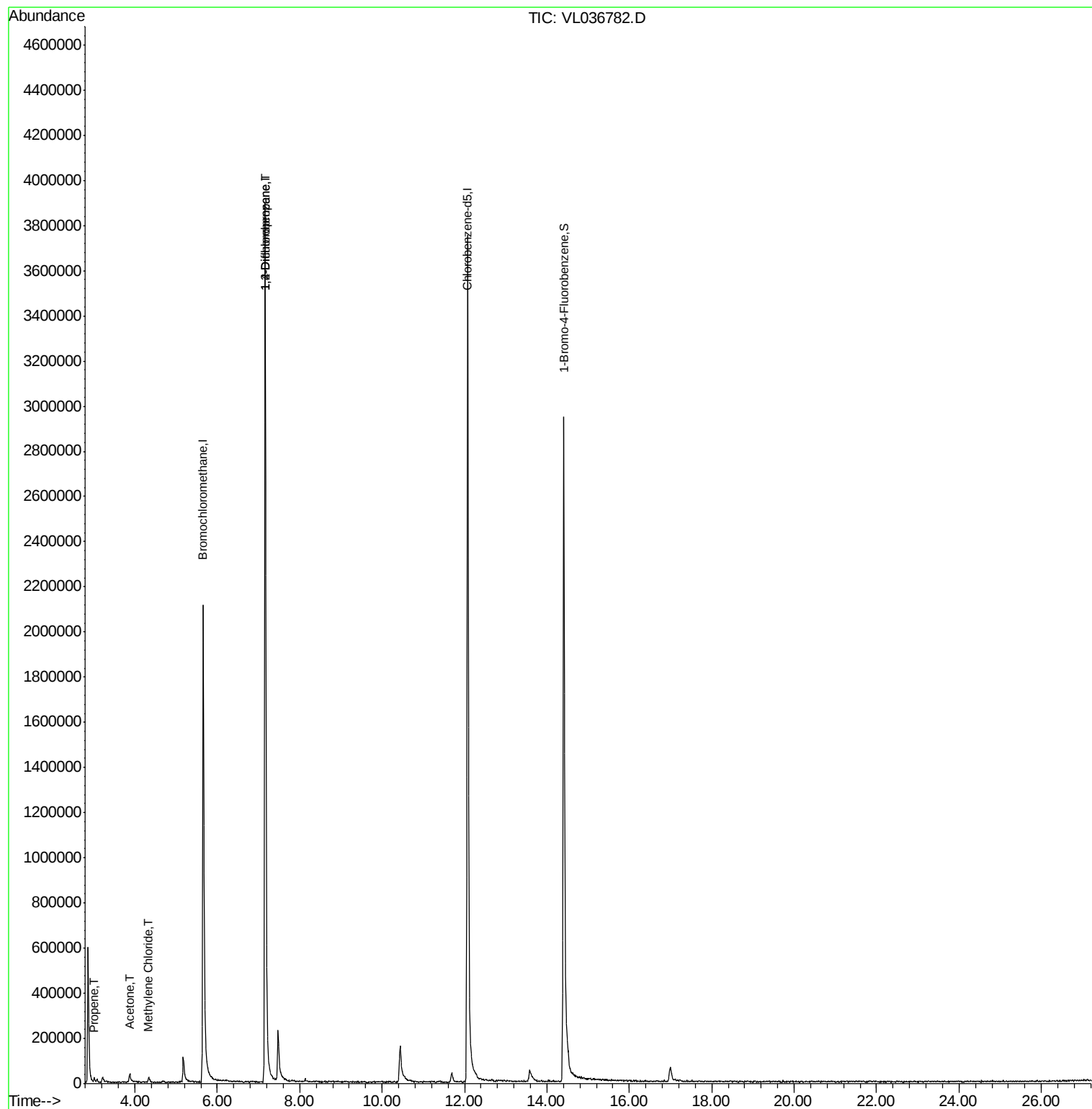
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3620	0.045	ppbv #	14
15) Acetone	3.87	43	15994	0.122	ppbv #	48
20) Methylene Chloride	4.33	84	2752	0.045	ppbv	87
39) 1,2-Dichloropropane	7.16	63	832921	7.017	ppbv #	24

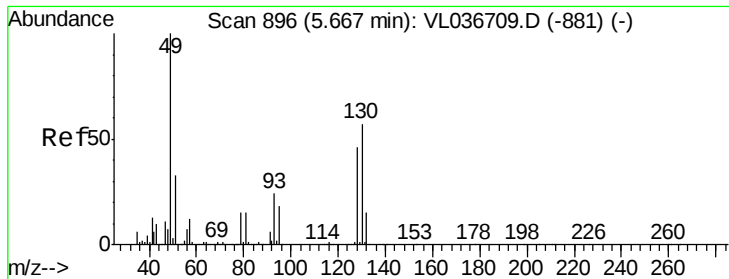
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036782.D

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Instrument :

MSVOA_L

ClientSampleId :

QC040921 CAN 10058

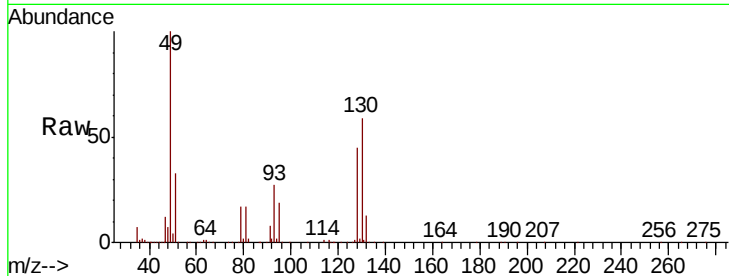
Tot Ion: 49 Resp: 1336546

Ion Ratio Lower Upper

49 100

128 45.0 23.5 70.6

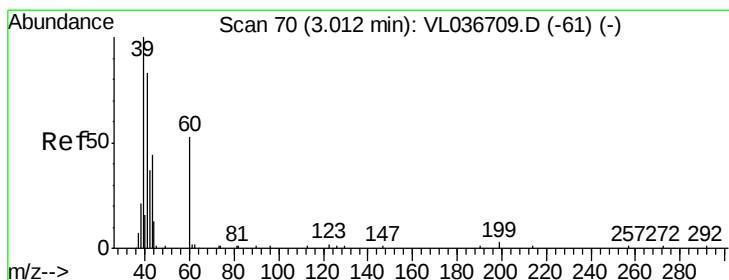
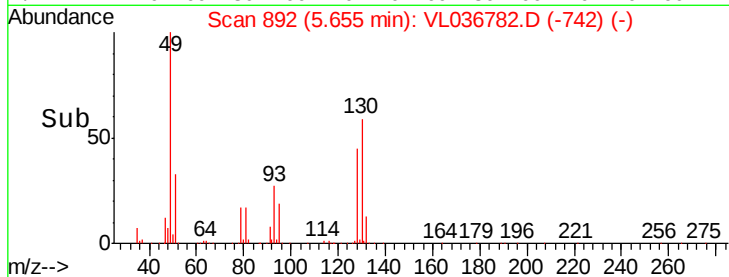
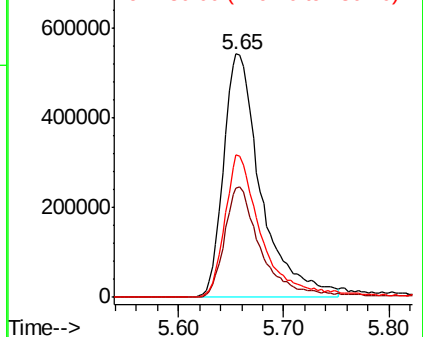
130 59.5 29.1 87.4



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



#9

Propene

Concen: 0.045 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036782.D

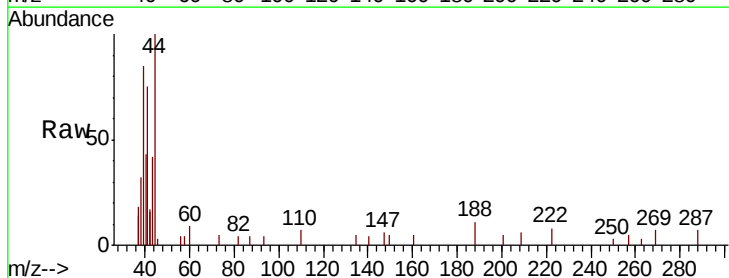
Acq: 9 Apr 2021 20:06

Tgt Ion: 41 Resp: 3620

Ion Ratio Lower Upper

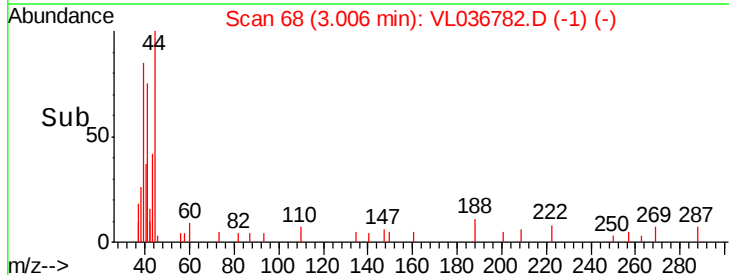
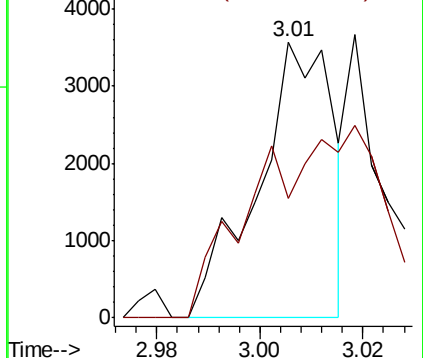
41 100

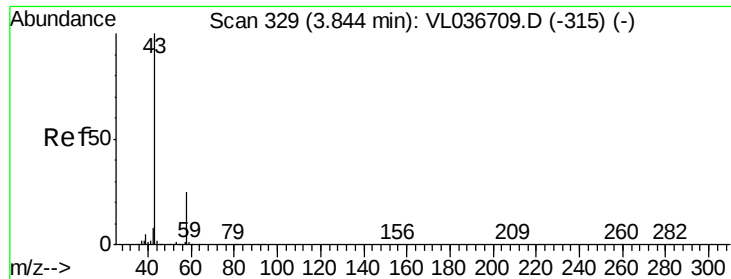
42 0.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.122 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036782.D

Acq: 9 Apr 2021 20:06

Instrument :

MSVOA_L

ClientSampleId :

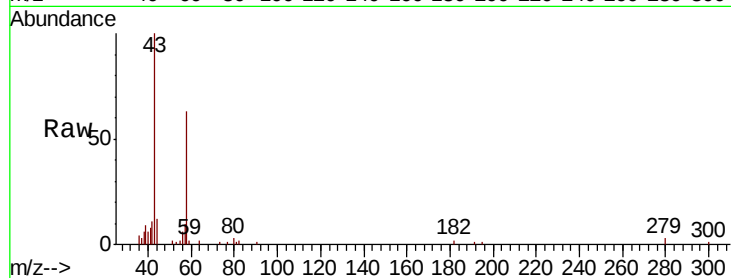
QC040921 CAN 10058

Tot Ion: 43 Resp: 15994

Ion Ratio Lower Upper

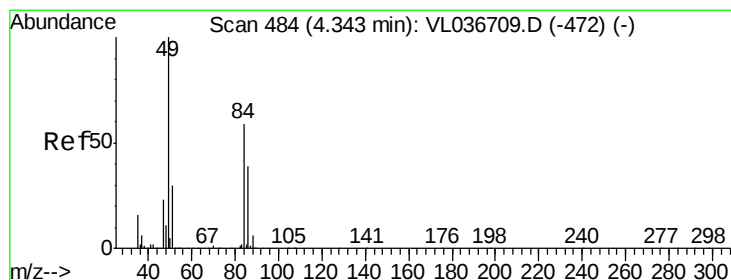
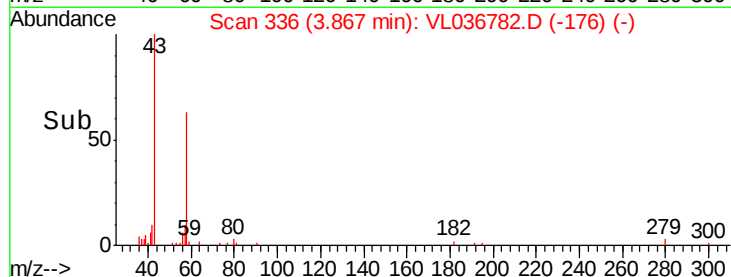
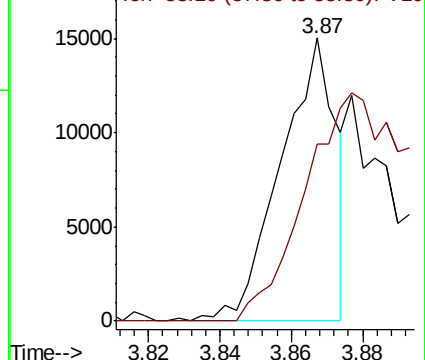
43 100

58 0.0 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.045 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL036782.D

Acq: 9 Apr 2021 20:06

Tgt Ion: 84 Resp: 2752

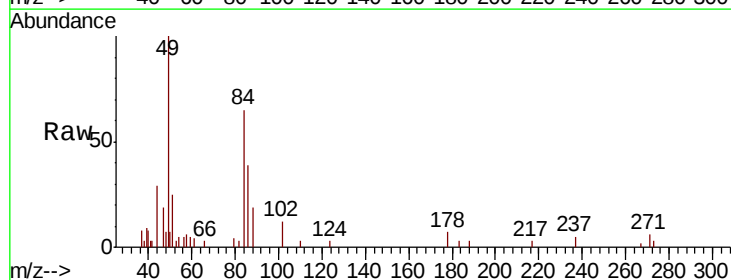
Ion Ratio Lower Upper

84 100

49 129.3 122.9 184.3

51 39.0 36.9 55.3

86 60.7 48.2 72.4

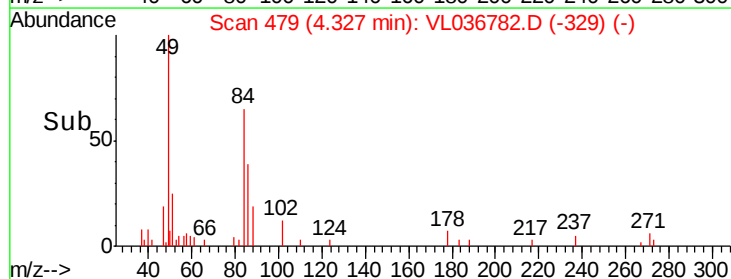
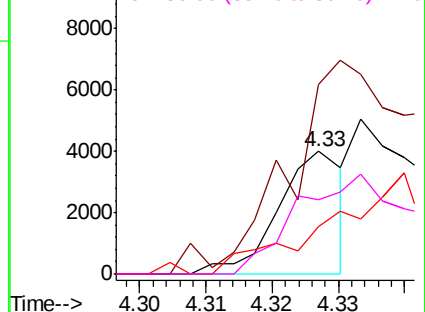


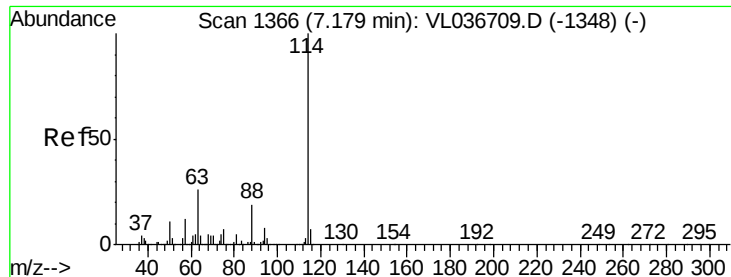
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

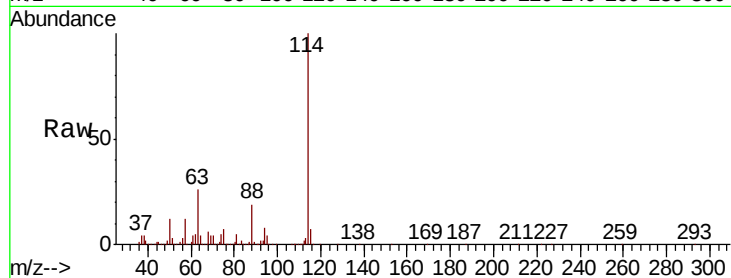




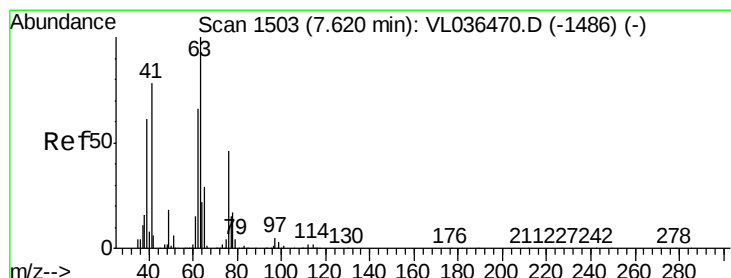
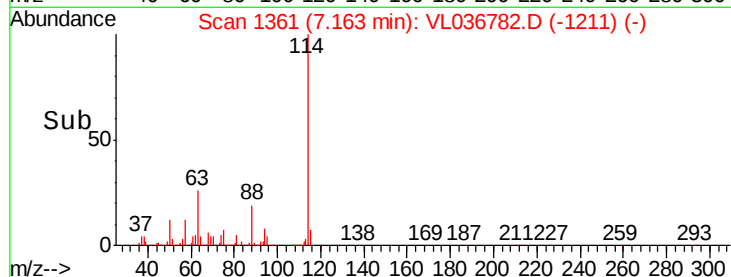
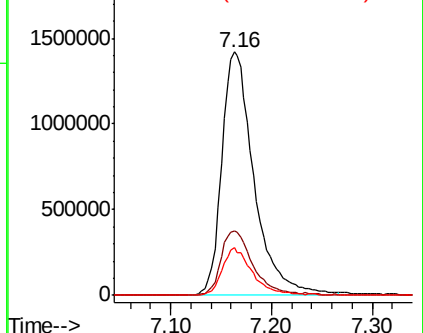
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036782.D
 Acq: 9 Apr 2021 20:06

Instrument :
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 QC040921 CAN 10058

Tot Ion:114 Resp: 3172597
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.4 33.6
 88 18.5 15.4 23.0

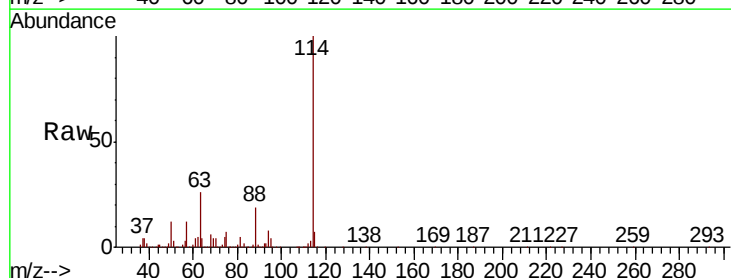


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

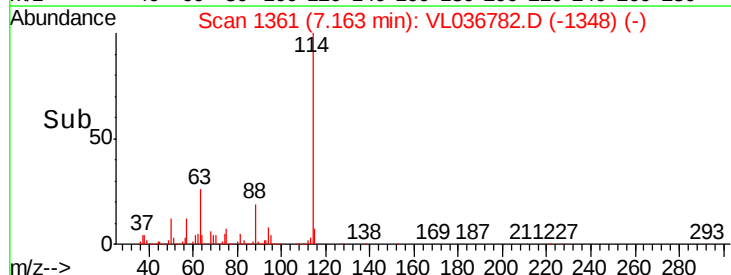
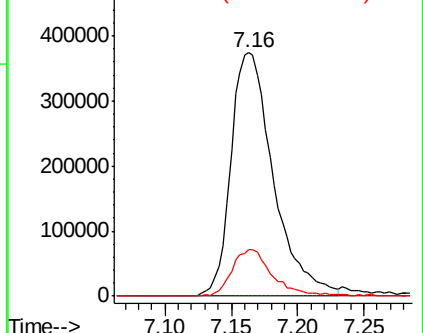


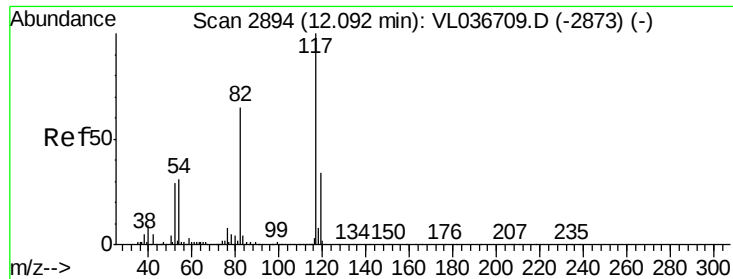
#39
 1,2-Dichloropropane
 Concen: 7.017 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL036782.D
 Acq: 9 Apr 2021 20:06

Tgt Ion: 63 Resp: 832921
 Ion Ratio Lower Upper
 63 100
 41 0.2 62.4 93.6#
 62 18.9 52.8 79.2#



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: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL036782.D

Acq: 9 Apr 2021 20:06

Instrument :

MSVOA_L

ClientSampleId :

QC040921 CAN 10058

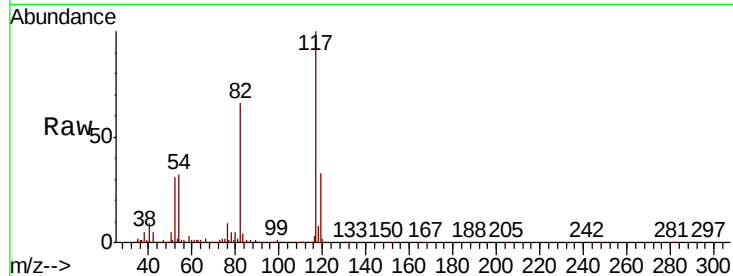
Tot Ion:117 Resp: 2517639

Ion Ratio Lower Upper

117 100

82 69.2 57.4 86.0

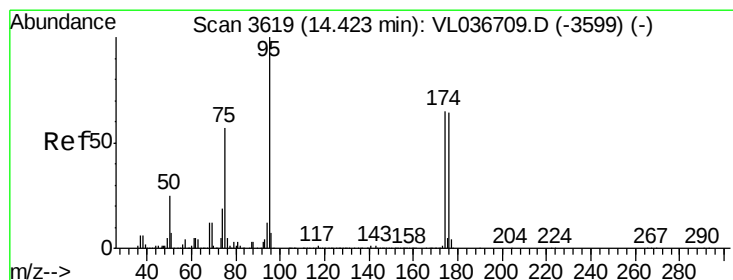
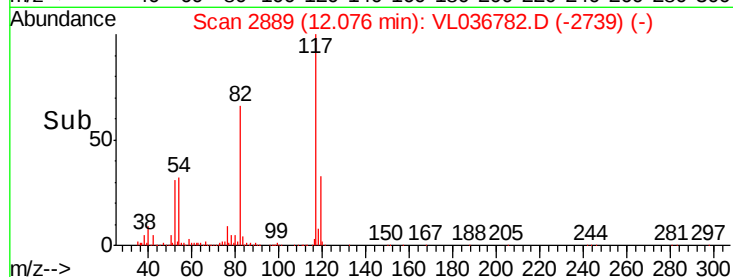
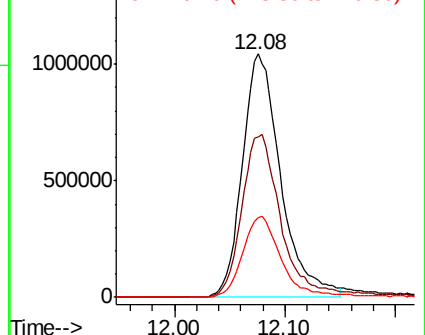
119 34.1 47.4 71.0#



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: 8.118 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036782.D

Acq: 9 Apr 2021 20:06

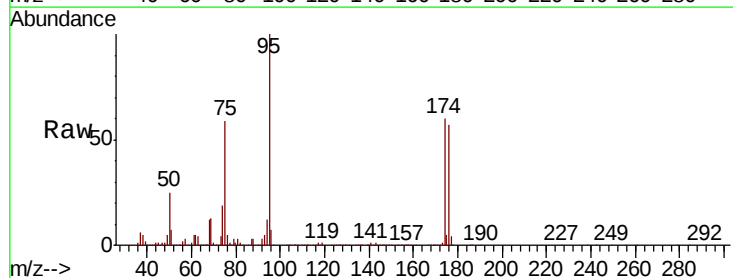
Tgt Ion: 95 Resp: 1628970

Ion Ratio Lower Upper

95 100

174 65.9 51.0 76.6

175 4.6 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

