

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036915.D
 Acq On : 7 May 2021 12:25
 Operator : SY/AP
 Sample : QC042221 CAN 10663
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042221 CAN 10663

Quant Time: May 08 04:15:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1214416	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2919405	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2619962	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2039619	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

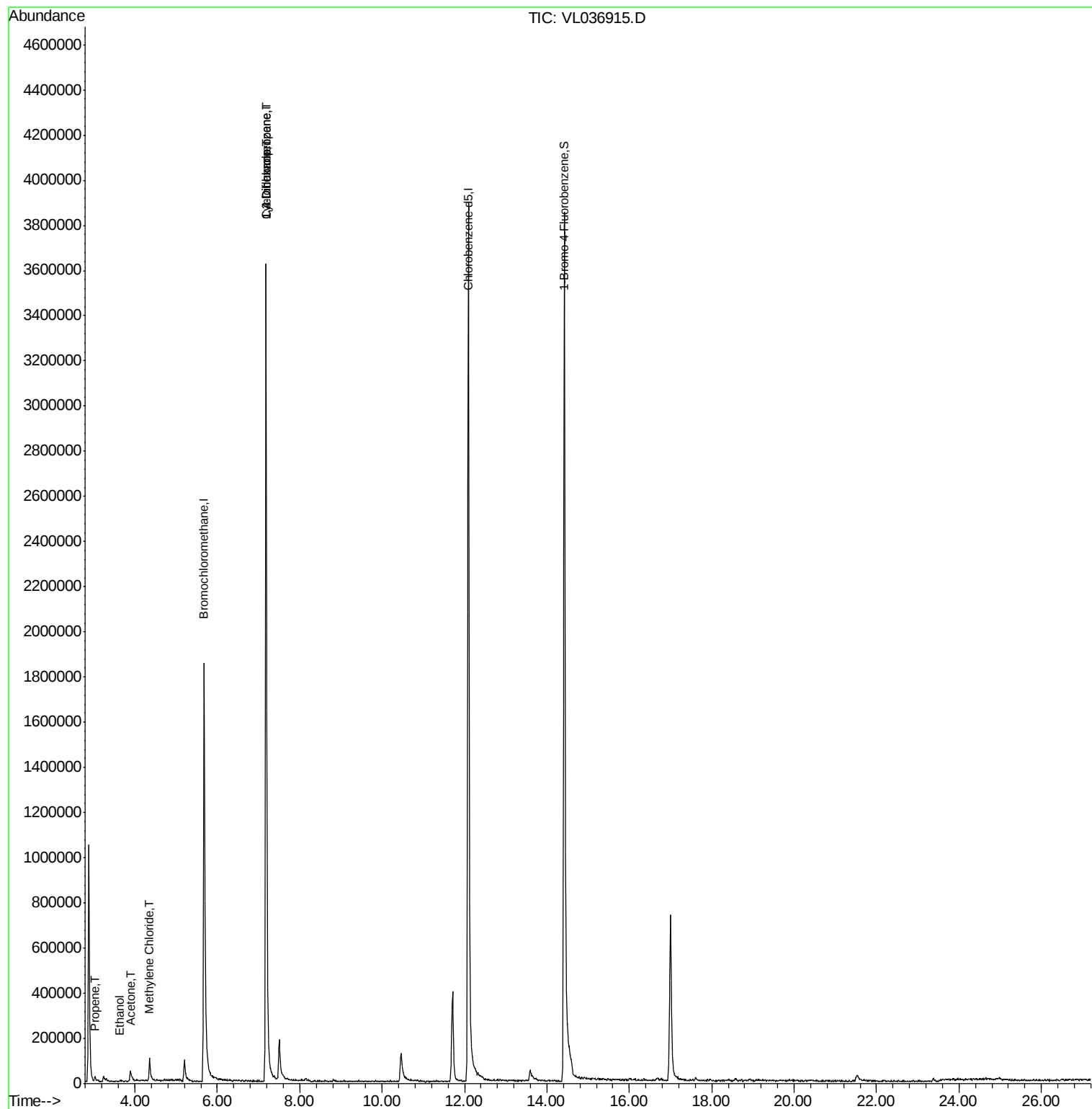
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3972	0.059	ppbv #	29
13) Ethanol	3.62	45	290	0.034	ppbv #	34
15) Acetone	3.89	43	40981	0.358	ppbv #	1
20) Methylene Chloride	4.36	84	30725	0.561	ppbv	86
30) Cyclohexane	7.17	84	13743	0.132	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	767353	7.787	ppbv #	24

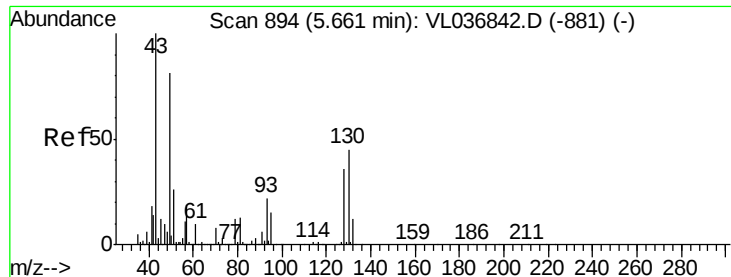
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 04:15:04 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036915.D

Acq: 7 May 2021 12:25

Instrument :

MSVOA_L

ClientSampleId :

QC042221 CAN 10663

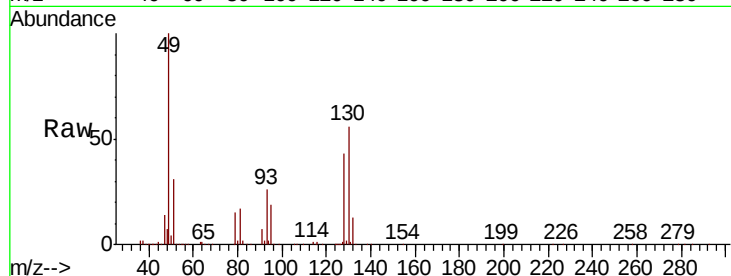
Tot Ion: 49 Resp: 1214416

Ion Ratio Lower Upper

49 100

128 47.3 24.4 73.2

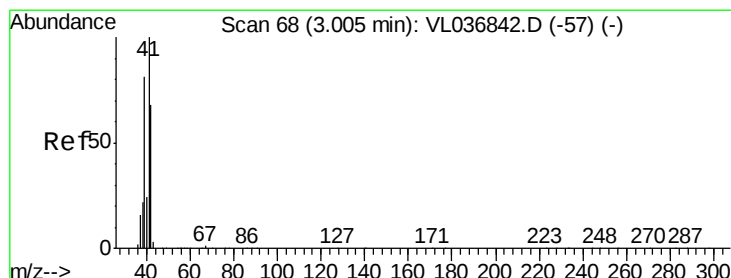
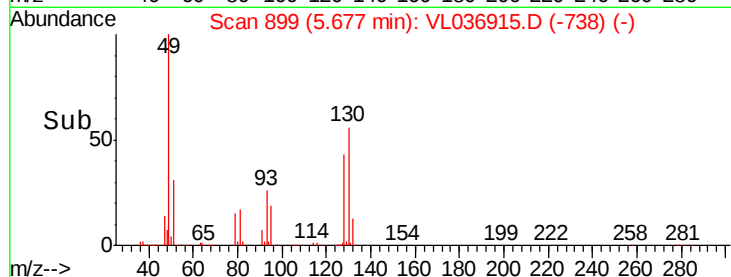
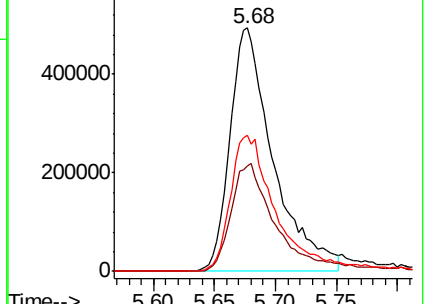
130 61.3 30.3 90.8



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



#9

Propene

Concen: 0.059 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL036915.D

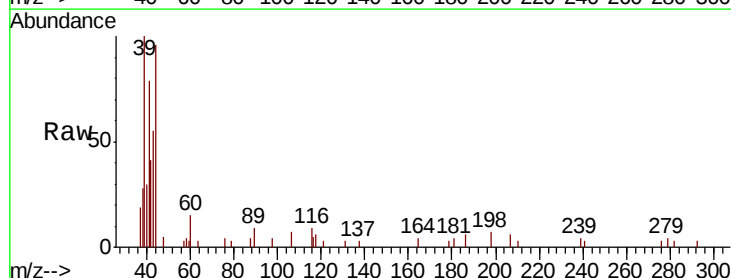
Acq: 7 May 2021 12:25

Tgt Ion: 41 Resp: 3972

Ion Ratio Lower Upper

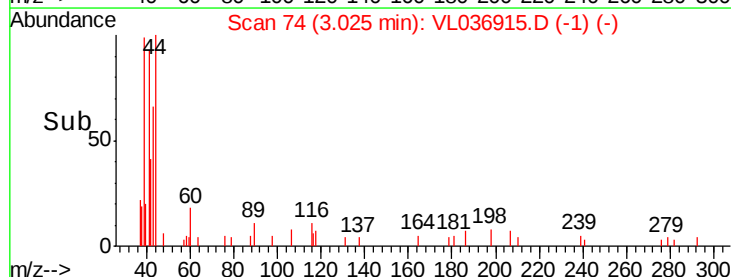
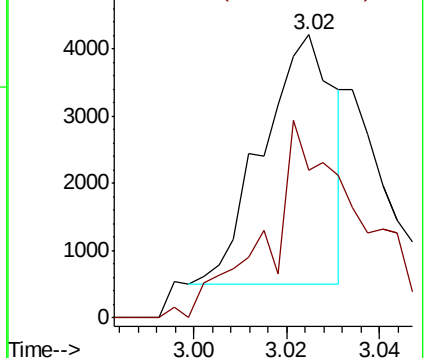
41 100

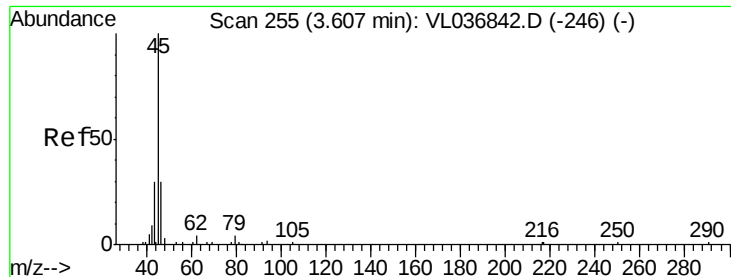
42 127.9 56.0 84.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

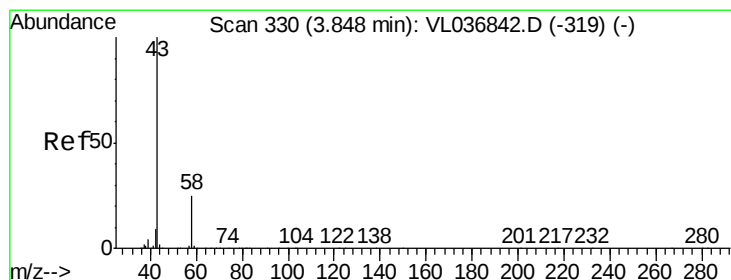
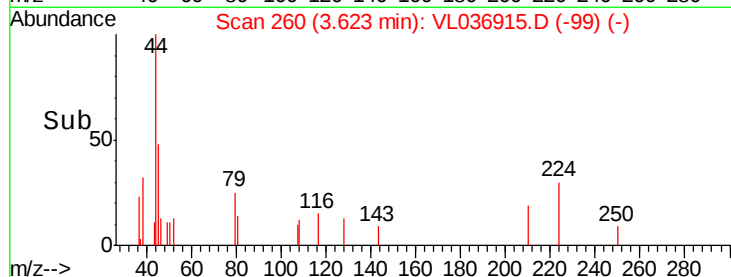
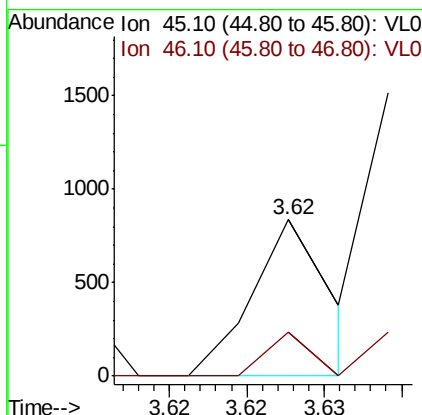
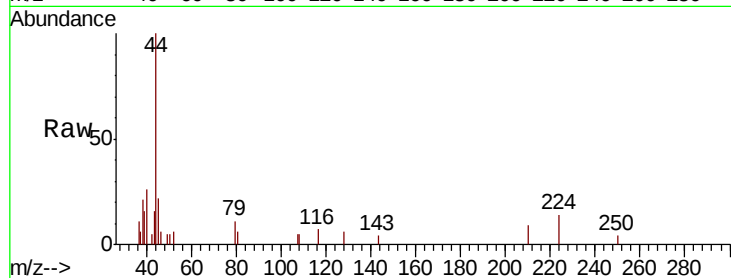




#13
Ethanol
Concen: 0.034 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL036915.D
Acq: 7 May 2021 12:25

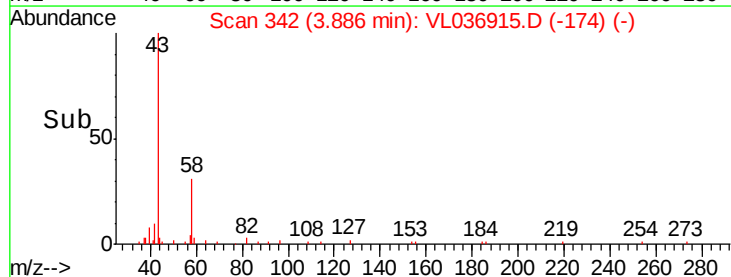
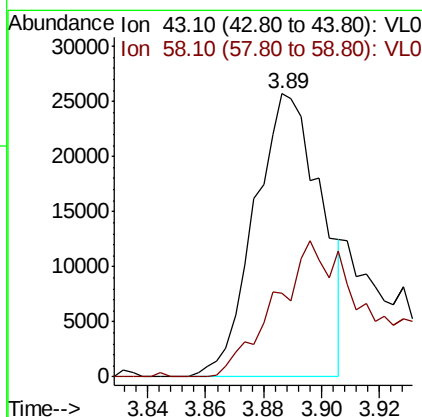
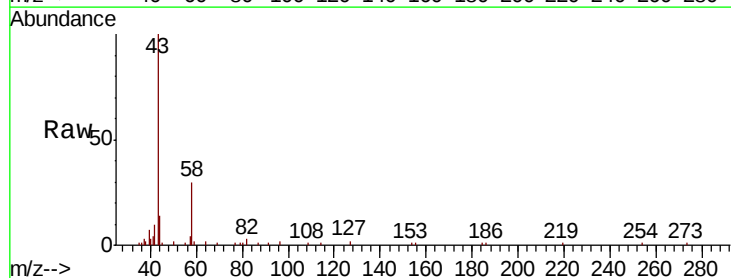
Instrument :
MSVOA_L
ClientSampleId :
QC042221 CAN 10663

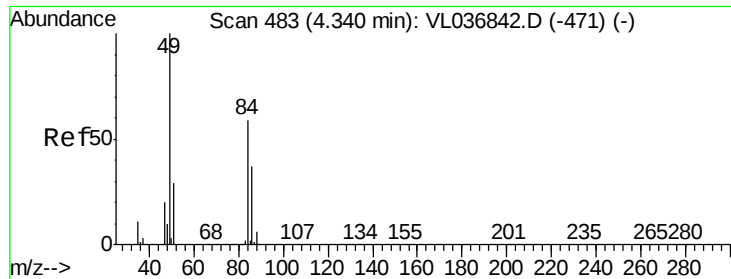
Tot Ion: 45 Resp: 290
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.4#



#15
Acetone
Concen: 0.358 ppbv
RT: 3.89 min Scan# 342
Delta R.T. 0.04 min
Lab File: VL036915.D
Acq: 7 May 2021 12:25

Tgt Ion: 43 Resp: 40981
Ion Ratio Lower Upper
43 100
58 83.0 21.7 32.5#

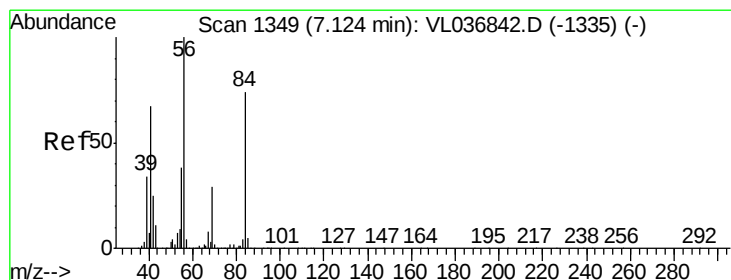
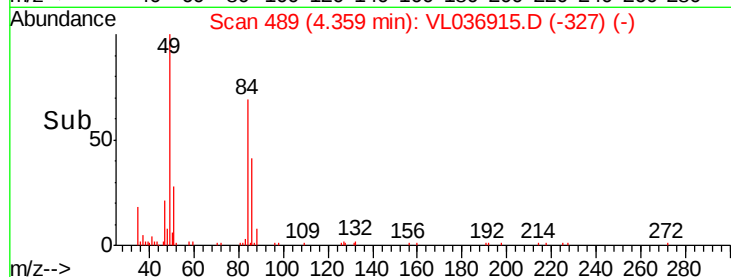
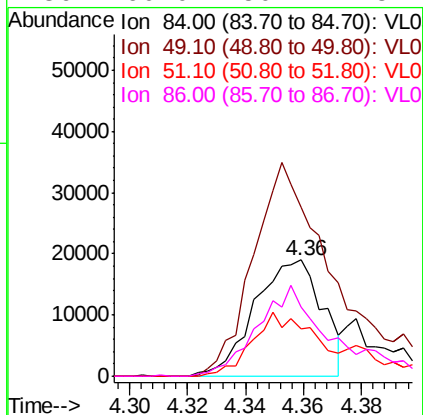
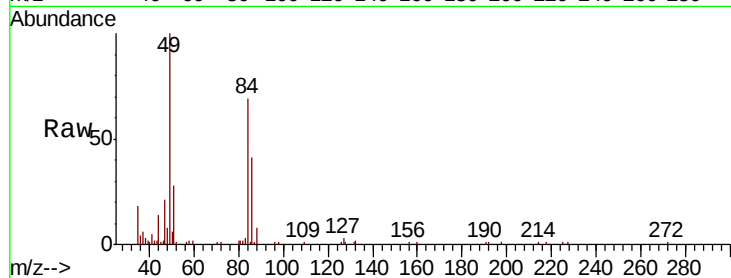




#20
Methvlene Chloride
Concen: 0.561 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL036915.D
Acq: 7 May 2021 12:25

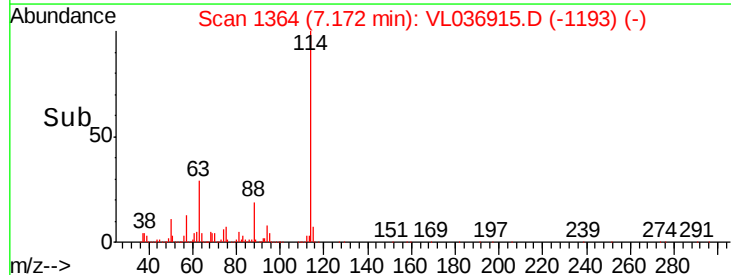
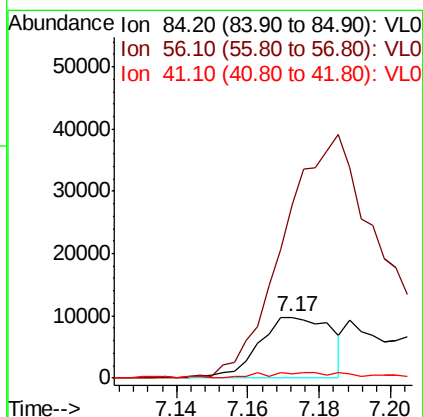
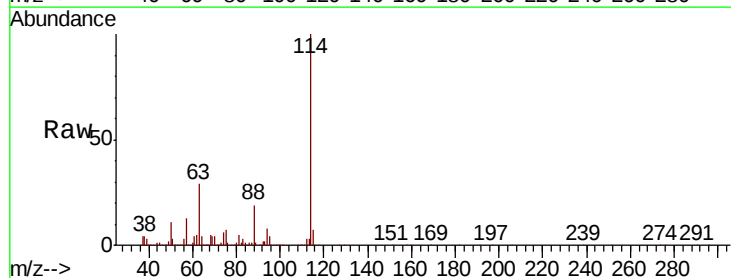
Instrument :
MSVOA_L
ClientSampleId :
QC042221 CAN 10663

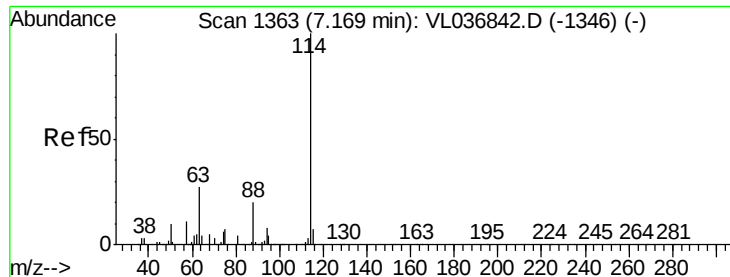
Tot Ion:	84	Resp:	30725
Ion	Ratio	Lower	Upper
84	100		
49	145.2	135.4	203.0
51	40.3	39.3	58.9
86	60.0	50.2	75.2



#30
Cyclohexane
Concen: 0.132 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.05 min
Lab File: VL036915.D
Acq: 7 May 2021 12:25

Tgt Ion:	84	Resp:	13743
Ion	Ratio	Lower	Upper
84	100		
56	0.0	115.8	173.6#
41	0.0	74.6	111.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL036915.D

Acq: 7 May 2021 12:25

Instrument :

MSVOA_L

ClientSampleId :

QC042221 CAN 10663

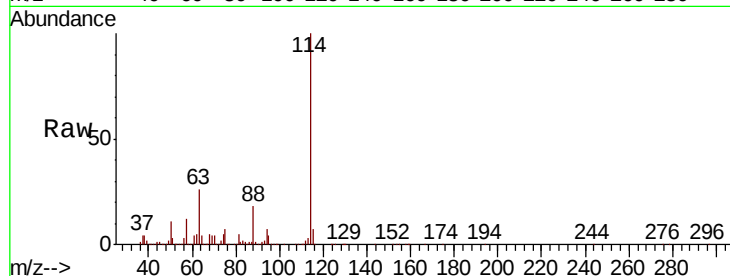
Tot Ion:114 Resp: 2919405

Ion Ratio Lower Upper

114 100

63 27.1 21.9 32.9

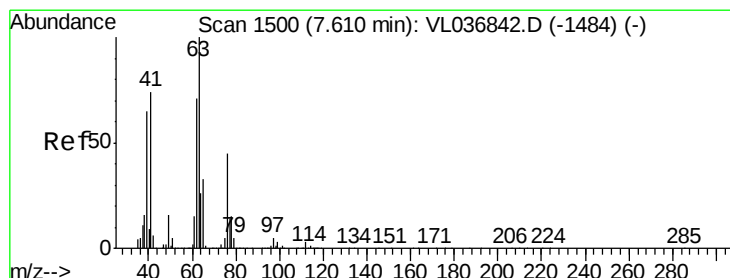
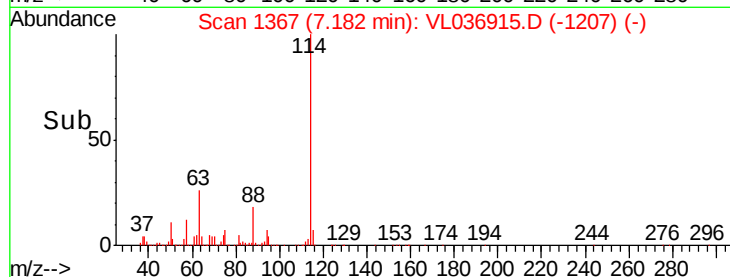
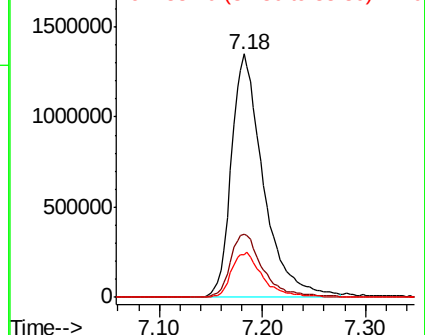
88 18.6 15.1 22.7



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: 7.787 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL036915.D

Acq: 7 May 2021 12:25

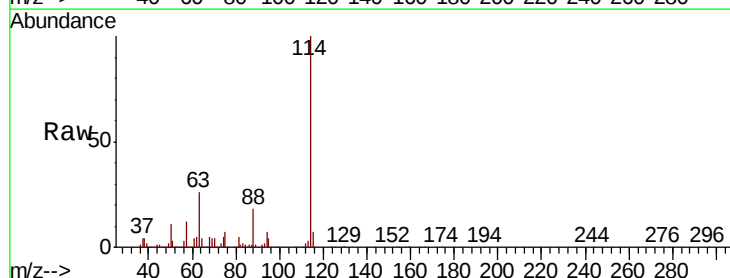
Tgt Ion: 63 Resp: 767353

Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

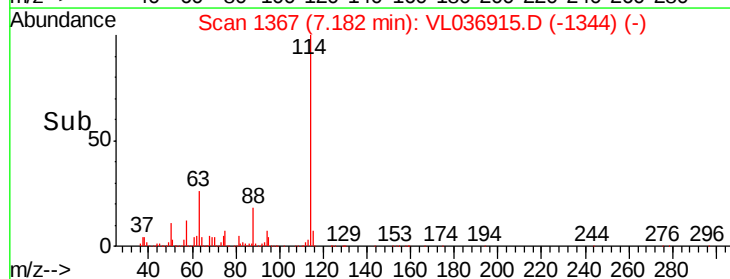
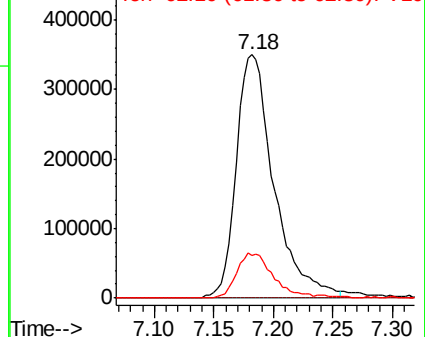
62 17.5 56.9 85.3#

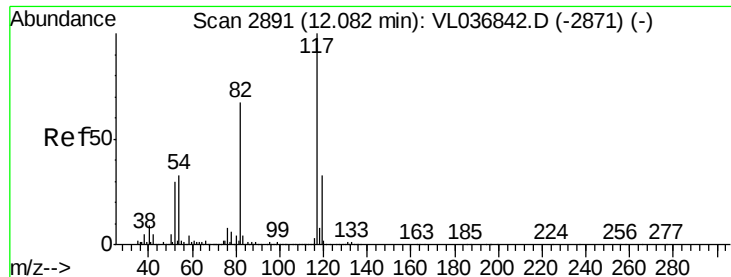


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

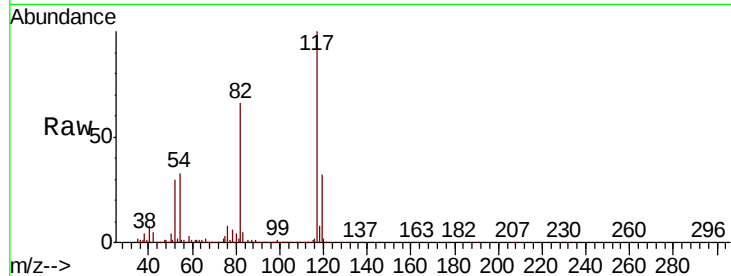




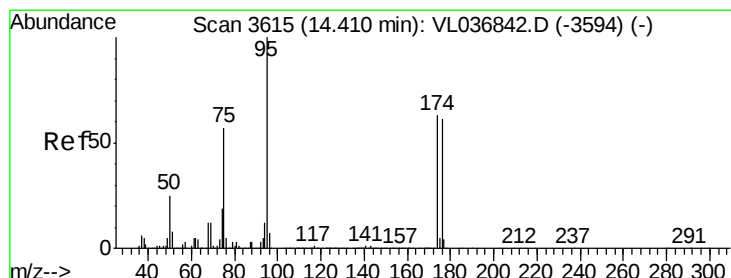
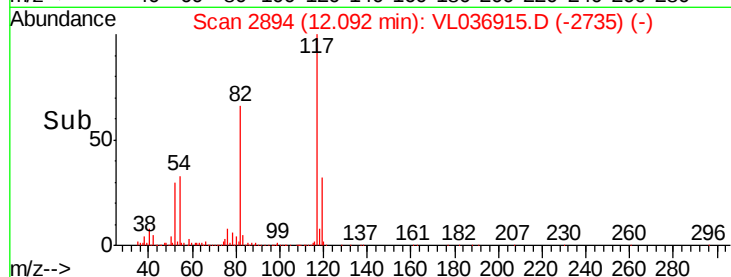
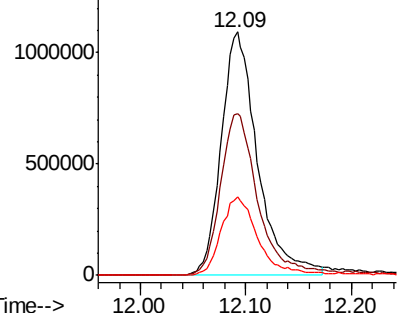
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.01 min
Lab File: VL036915.D
Acq: 7 May 2021 12:25

Instrument :
MSVOA_L
ClientSampleId :
QC042221 CAN 10663

Tot Ion:117 Resp: 2619962
Ion Ratio Lower Upper
117 100
82 71.2 53.5 80.3
119 33.8 25.6 38.4

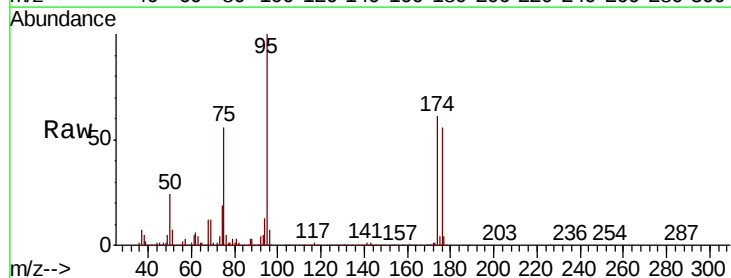


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.698 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.01 min
Lab File: VL036915.D
Acq: 7 May 2021 12:25

Tgt Ion: 95 Resp: 2039619
Ion Ratio Lower Upper
95 100
174 67.5 52.2 78.2
175 4.7 4.0 6.0



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

