

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035565.D
 Acq On : 8 Sep 2020 20:57
 Operator : SY/AP
 Sample : OC090320 CAN 10439
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC090320 CAN 10439

Quant Time: Sep 09 02:38:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1085816	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4469072	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4557824	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3365128	10.40	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

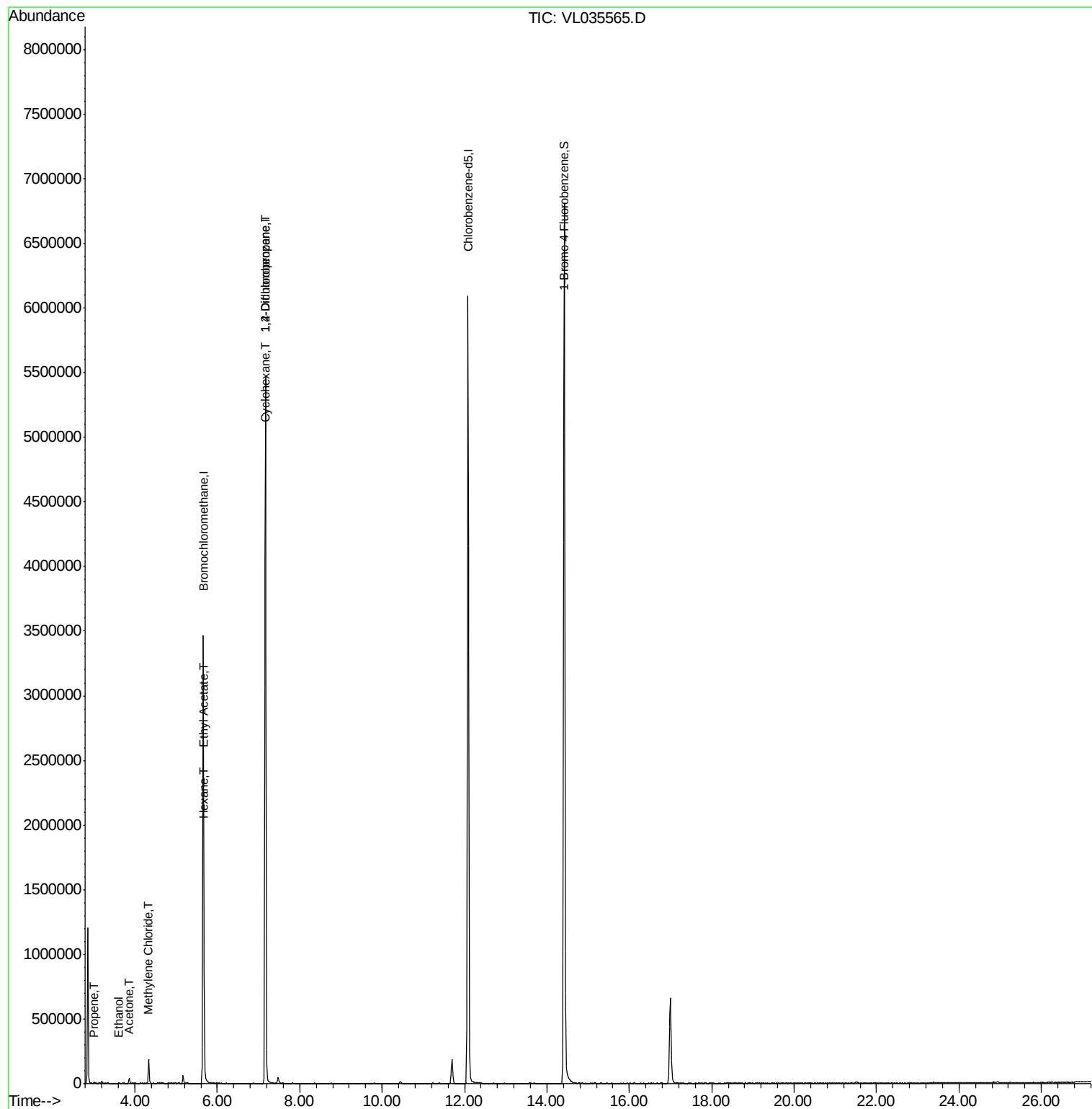
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3022	0.065	ppbv	93
13) Ethanol	3.61	45	4609	0.402	ppbv	97
15) Acetone	3.86	43	30869	0.258	ppbv #	43
20) Methylene Chloride	4.33	84	84923	0.952	ppbv	96
25) Ethyl Acetate	5.68	43	21182	0.100	ppbv #	74
26) Hexane	5.68	57	36038	0.301	ppbv #	47
30) Cyclohexane	7.15	84	4628	0.036	ppbv #	9
39) 1,2-Dichloropropane	7.17	63	834237	8.537	ppbv #	32

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

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QLast Update : Thu Aug 27 06:46:28 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

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MSVOA_L

ClientSampleId :

QC090320 CAN 10439

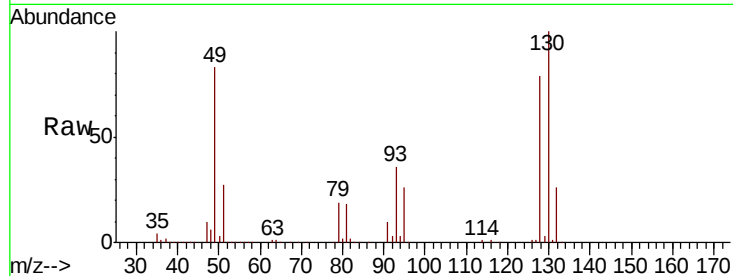
Tot Ion: 49 Resp: 1085816

Ion Ratio Lower Upper

49 100

128 95.9 50.0 150.1

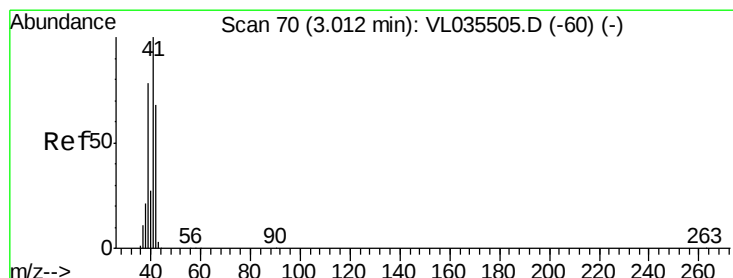
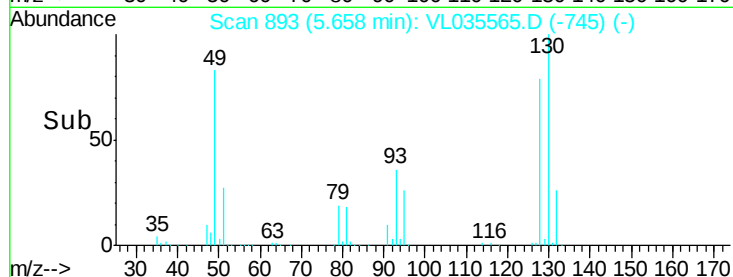
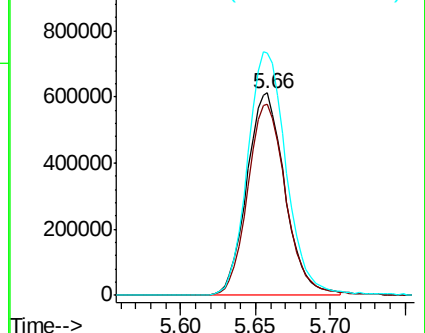
130 123.5 64.4 193.2



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: 0.065 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL035565.D

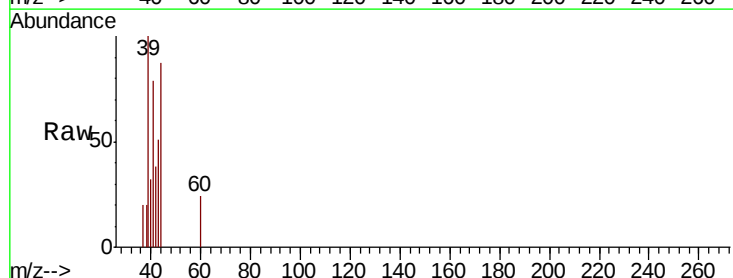
Acq: 8 Sep 2020 20:57

Tgt Ion: 41 Resp: 3022

Ion Ratio Lower Upper

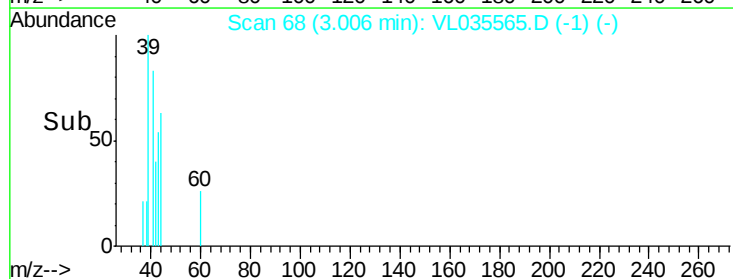
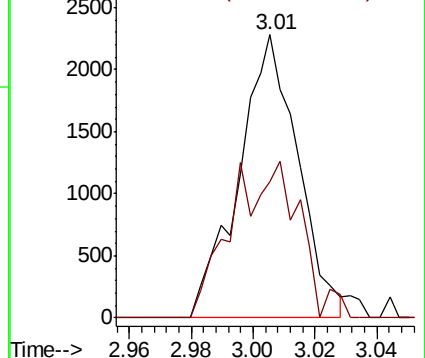
41 100

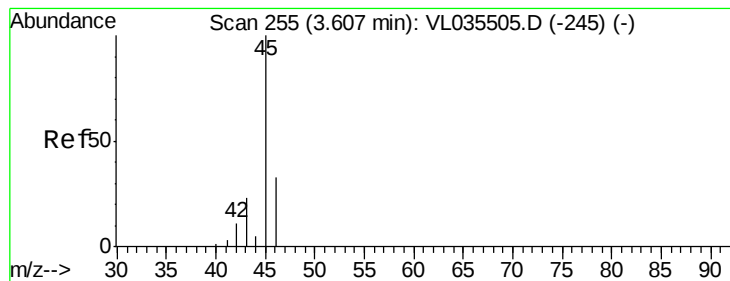
42 64.6 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.402 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL035565.D

Acq: 8 Sep 2020 20:57

Instrument :

MSVOA_L

ClientSampleId :

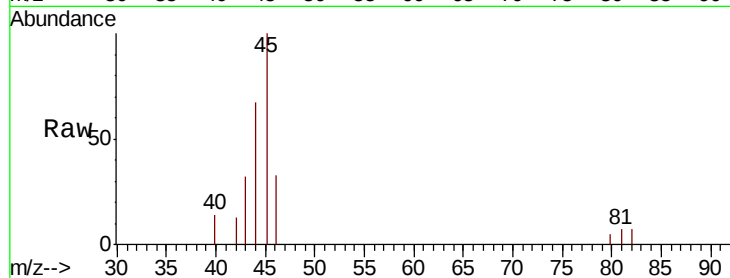
QC090320 CAN 10439

Tot Ion: 45 Resp: 4609

Ion Ratio Lower Upper

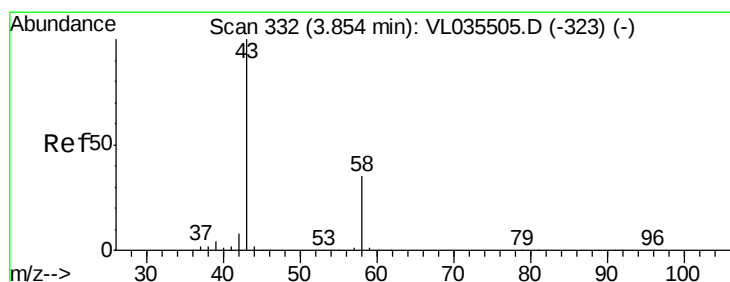
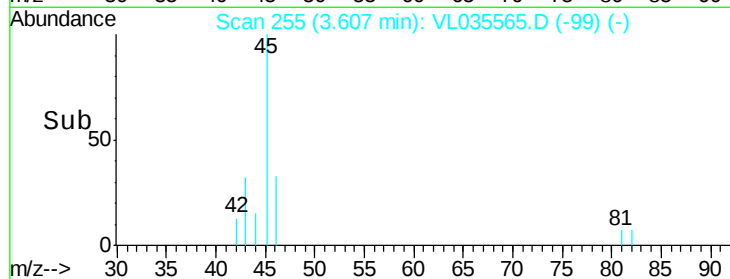
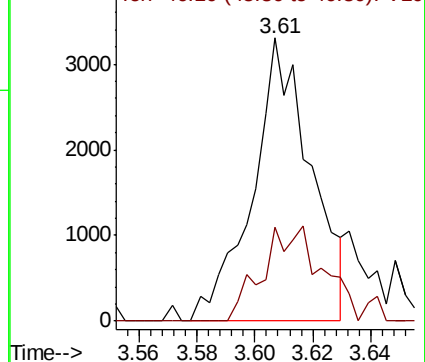
45 100

46 36.3 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.258 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035565.D

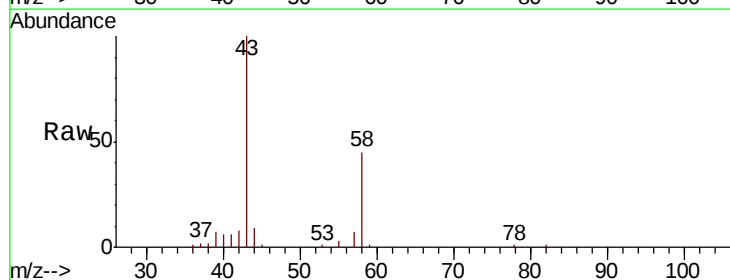
Acq: 8 Sep 2020 20:57

Tgt Ion: 43 Resp: 30869

Ion Ratio Lower Upper

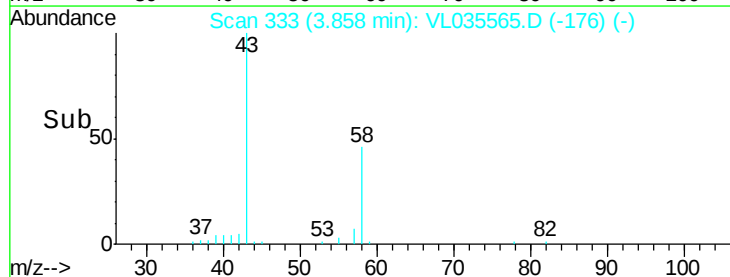
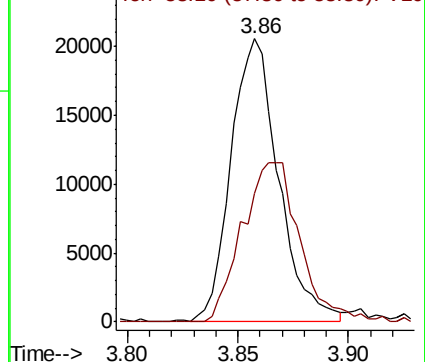
43 100

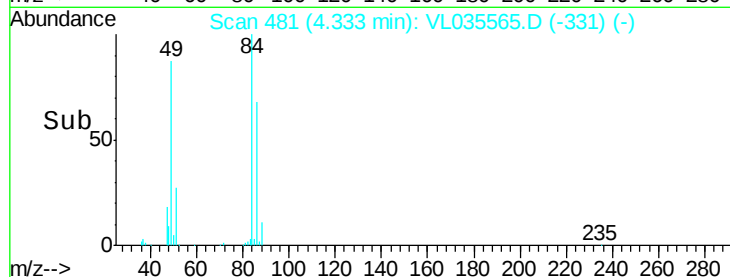
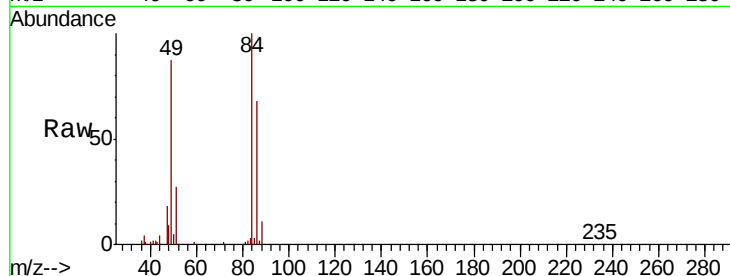
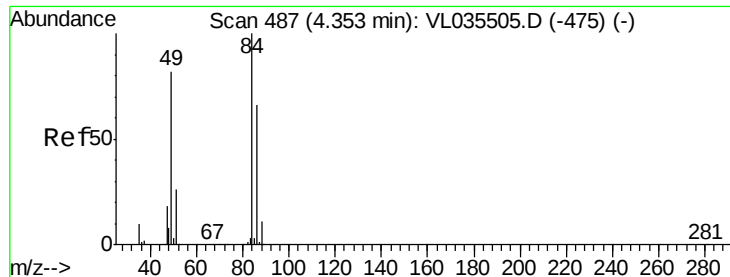
58 68.6 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

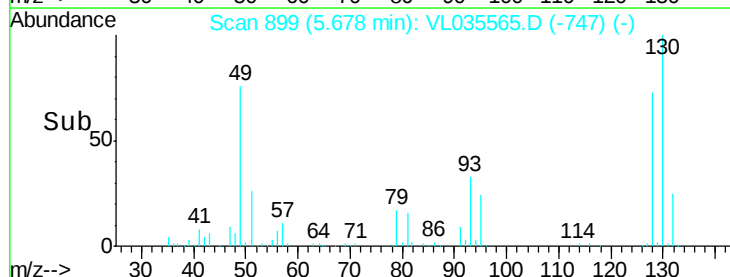
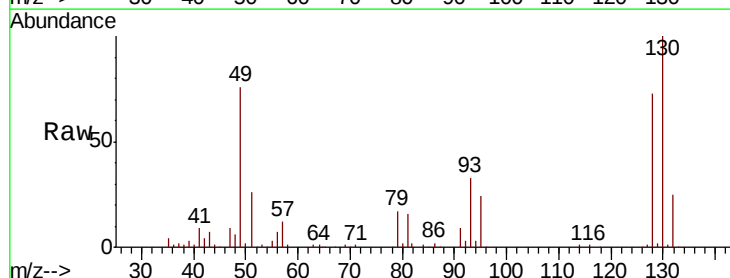
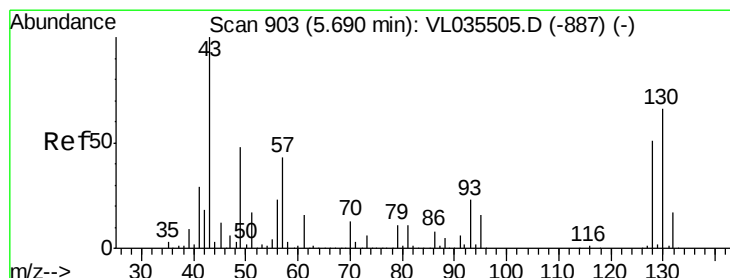
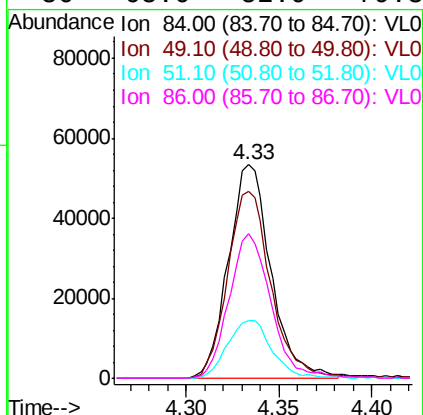




#20
Methvlene Chloride
Concen: 0.952 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL035565.D
Acq: 8 Sep 2020 20:57

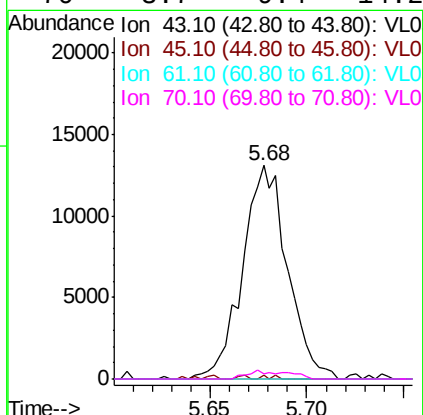
Instrument :
MSVOA_L
ClientSampleId :
QC090320 CAN 10439

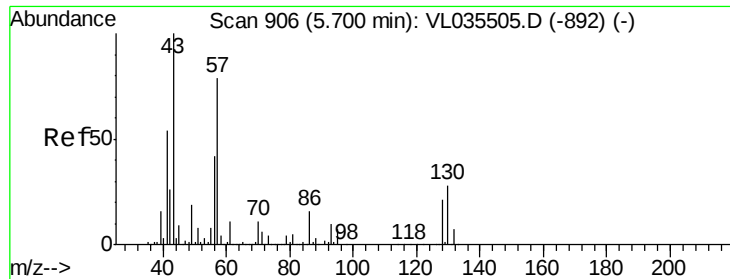
Tot Ion:	84	Resp:	84923
Ion	Ratio	Lower	Upper
84	100		
49	87.3	65.4	98.0
51	27.0	21.5	32.3
86	68.0	52.9	79.3



#25
Ethyl Acetate
Concen: 0.100 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035565.D
Acq: 8 Sep 2020 20:57

Tgt Ion:	43	Resp:	21182
Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.4	12.6#
61	0.0	10.6	16.0#
70	3.7	9.4	14.2#

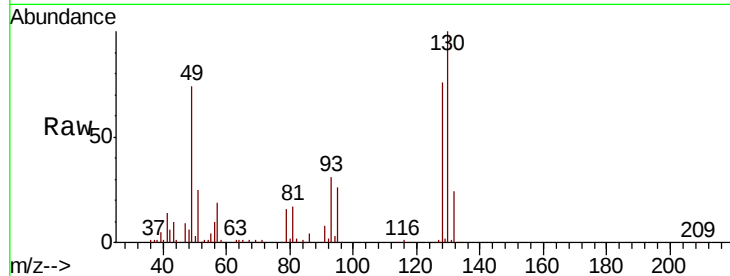




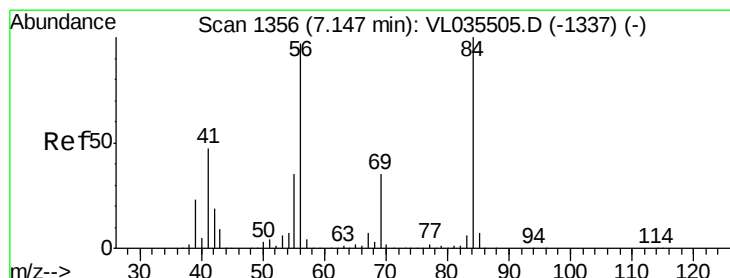
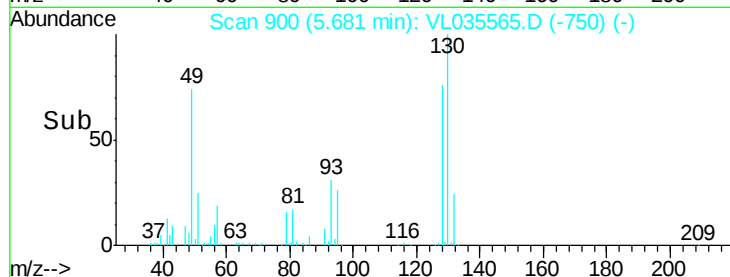
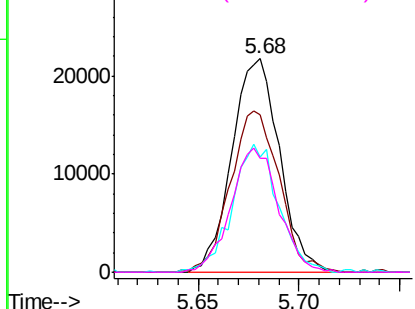
#26
Hexane
Concen: 0.301 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL035565.D
Acq: 8 Sep 2020 20:57

Instrument :
MSVOA_L
ClientSampleId :
QC090320 CAN 10439

Tot Ion: 57 Resp: 36038
Ion Ratio Lower Upper
57 100
41 78.0 55.9 83.9
43 59.4 141.8 212.8#
56 58.3 41.8 62.8

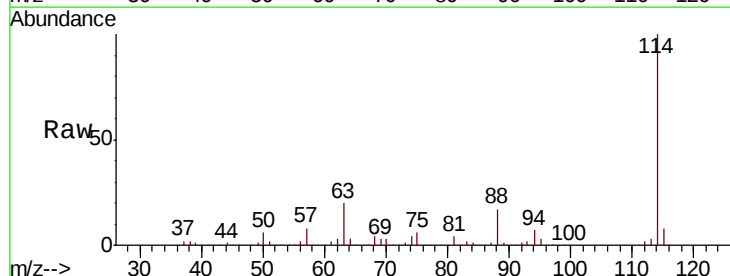


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

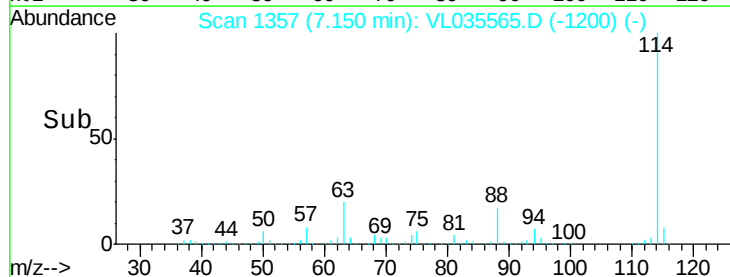
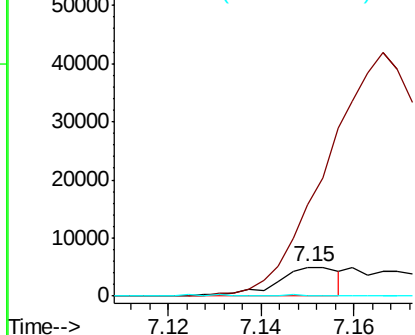


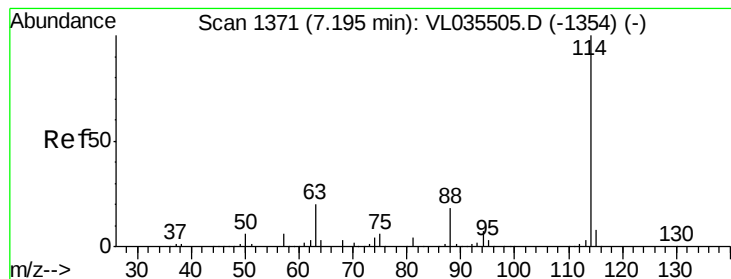
#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035565.D
Acq: 8 Sep 2020 20:57

Tgt Ion: 84 Resp: 4628
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 0.0 38.1 57.1#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.03 min

Lab File: VL035565.D

Acq: 8 Sep 2020 20:57

Instrument :

MSVOA_L

ClientSampleId :

QC090320 CAN 10439

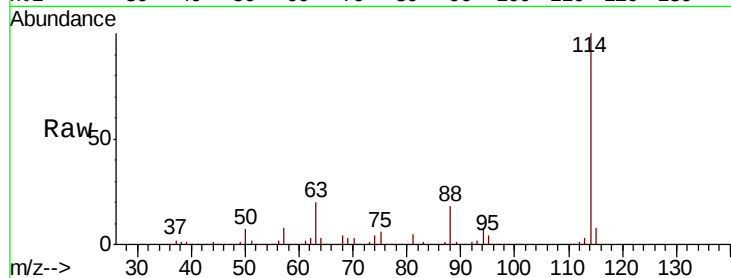
Tot Ion:114 Resp: 4469072

Ion Ratio Lower Upper

114 100

63 18.8 14.7 22.1

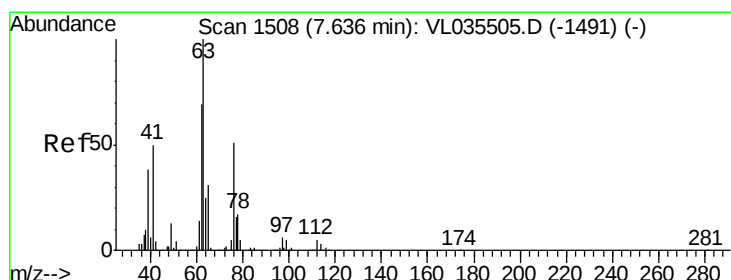
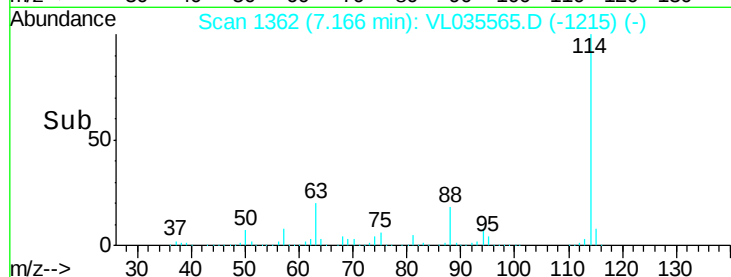
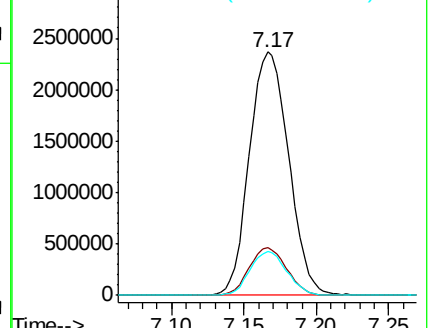
88 17.1 13.4 20.2



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: 8.537 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL035565.D

Acq: 8 Sep 2020 20:57

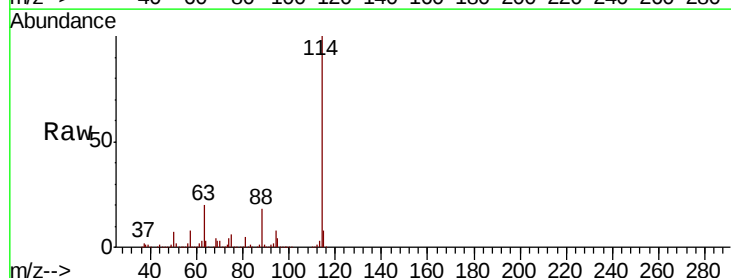
Tgt Ion: 63 Resp: 834237

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

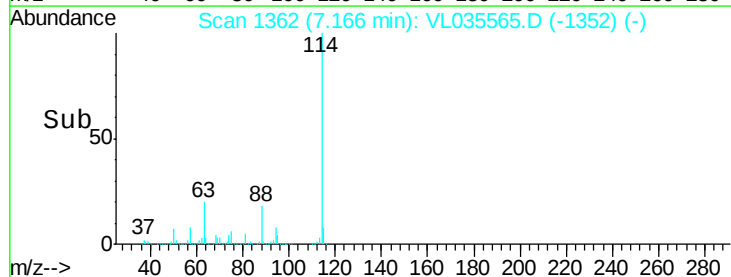
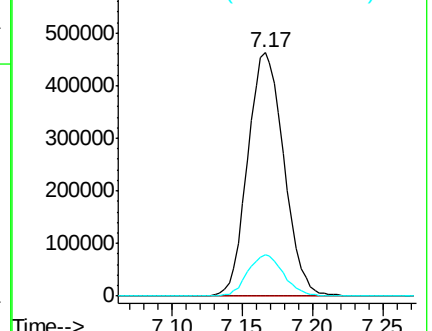
62 17.0 55.4 83.0#

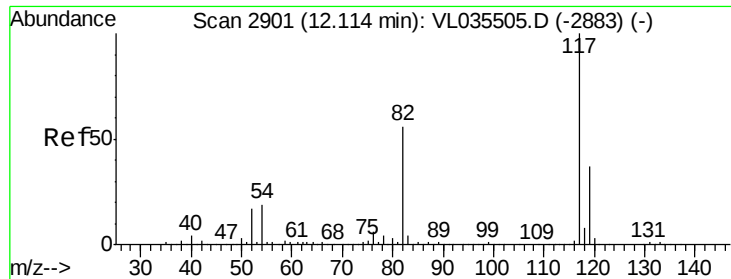


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

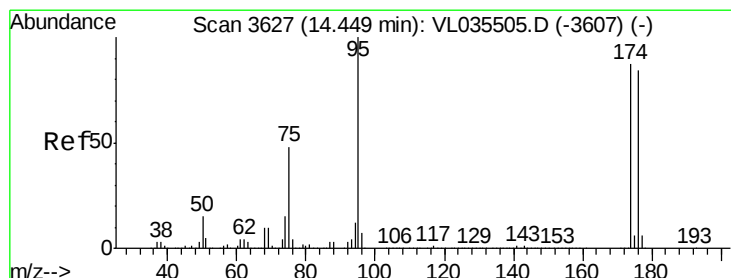
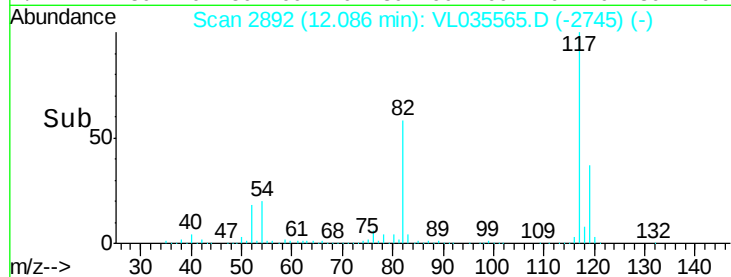
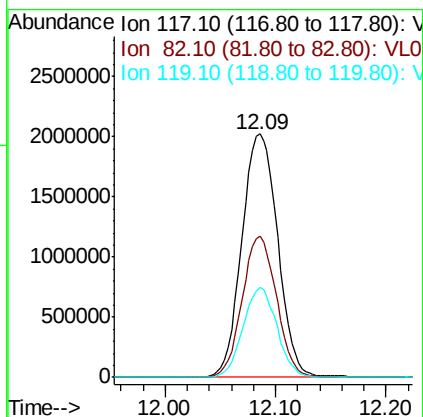
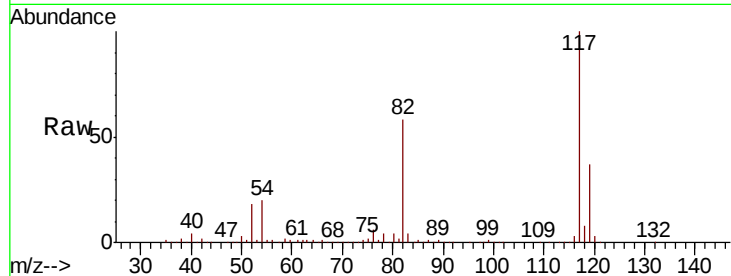




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035565.D
Acq: 8 Sep 2020 20:57

Instrument :
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QC090320 CAN 10439

Tot Ion:117 Resp: 4557824
Ion Ratio Lower Upper
117 100
82 56.1 41.6 62.4
119 35.1 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.03 min
Lab File: VL035565.D
Acq: 8 Sep 2020 20:57

Tgt Ion: 95 Resp: 3365128
Ion Ratio Lower Upper
95 100
174 85.1 69.6 104.4
175 6.2 5.1 7.7

