

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035566.D
 Acq On : 8 Sep 2020 21:40
 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 02:38:28 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	1081622	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4407631	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4501048	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3306516	10.34	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

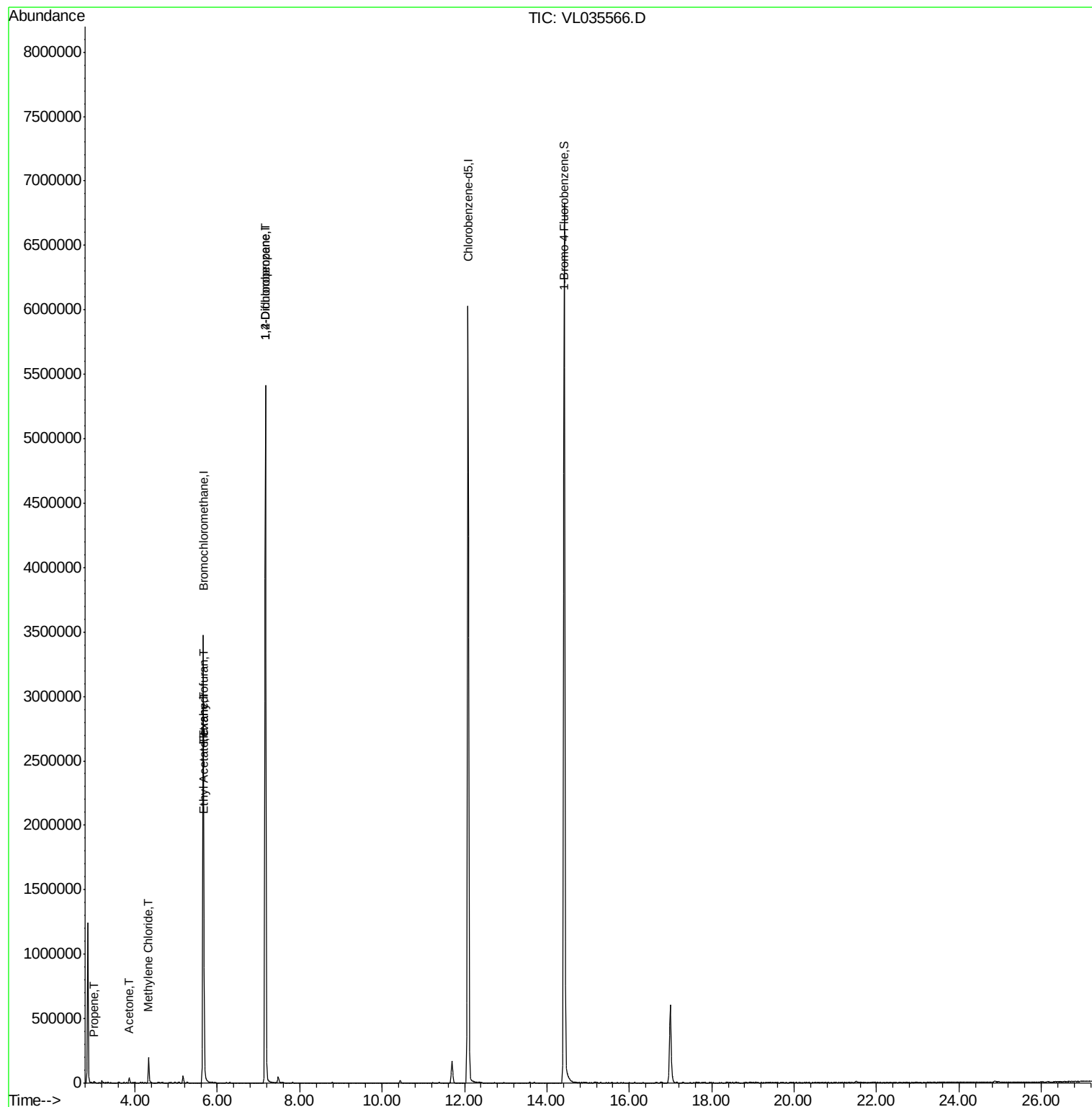
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2655	0.058	ppbv	93
15) Acetone	3.86	43	30637	0.257	ppbv #	47
20) Methylene Chloride	4.33	84	87405	0.984	ppbv	95
25) Ethyl Acetate	5.68	43	20953	0.099	ppbv #	72
26) Hexane	5.68	57	35281	0.295	ppbv #	47
39) 1,2-Dichloropropane	7.17	63	819536	8.503	ppbv #	32
41) Tetrahydrofuran	5.68	42	13379	0.193	ppbv #	34

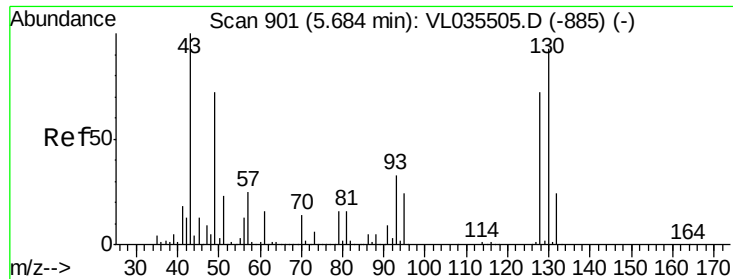
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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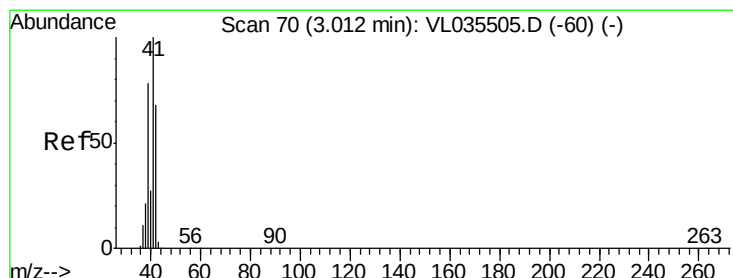
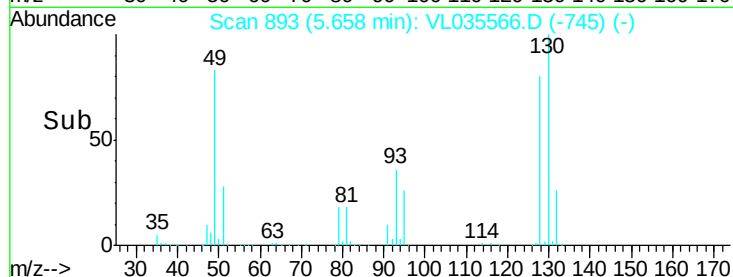
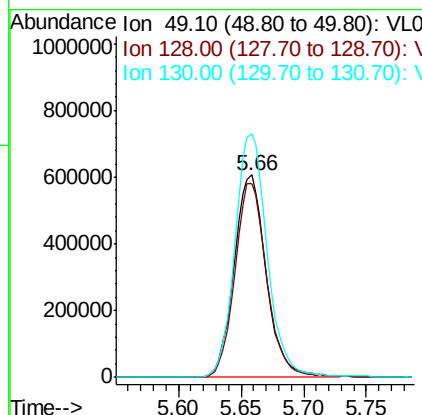
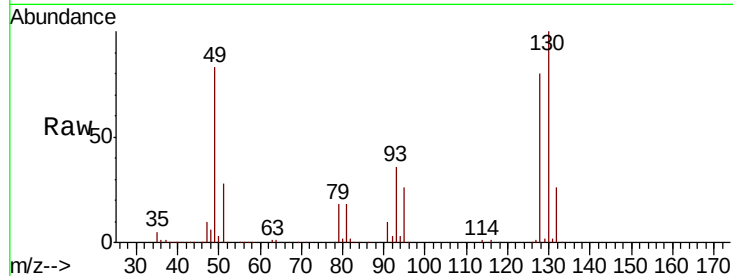




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.03 min
 Lab File: VL035566.D
 Acq: 8 Sep 2020 21:40

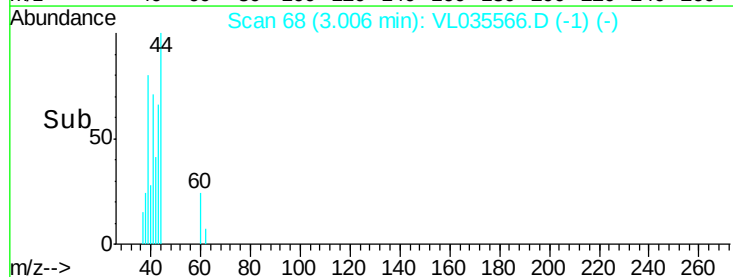
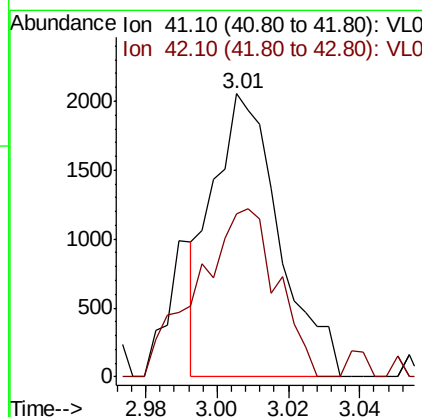
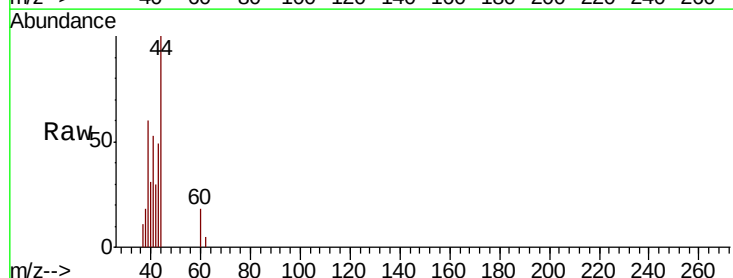
Instrument :
 MSVOA_L
 ClientSampleId :
 QC090320 CAN 10439

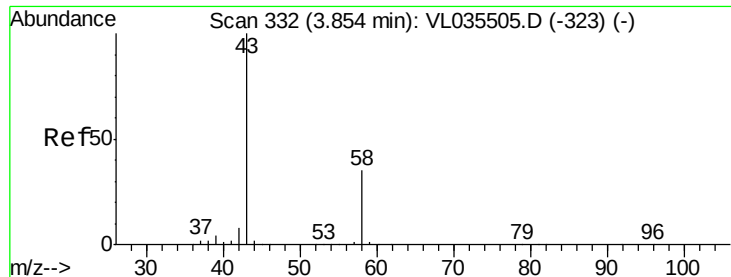
Tot Ion: 49 Resp: 1081622
 Ion Ratio Lower Upper
 49 100
 128 95.9 50.0 150.1
 130 122.3 64.4 193.2



#9
 Propene
 Concen: 0.058 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: VL035566.D
 Acq: 8 Sep 2020 21:40

Tgt Ion: 41 Resp: 2655
 Ion Ratio Lower Upper
 41 100
 42 75.9 56.3 84.5





#15

Acetone

Concen: 0.257 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035566.D

Acq: 8 Sep 2020 21:40

Instrument :

MSVOA_L

ClientSampleId :

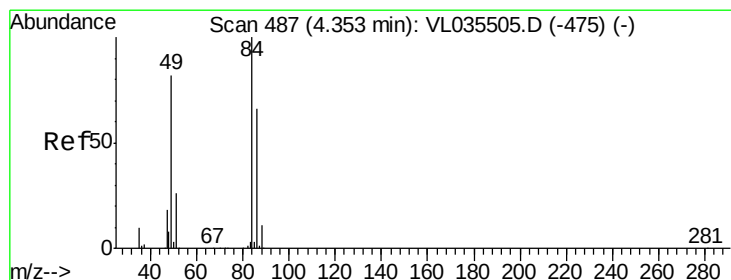
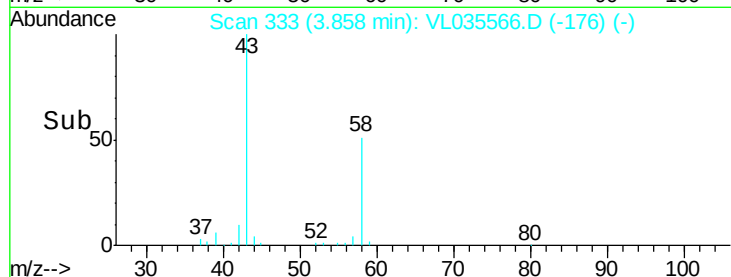
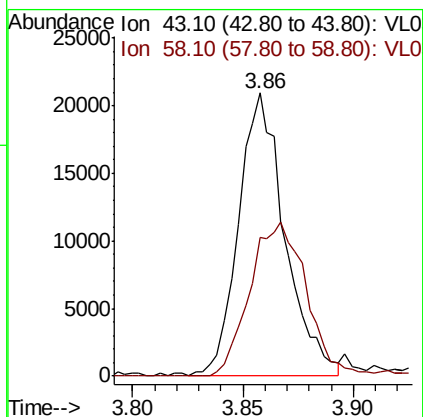
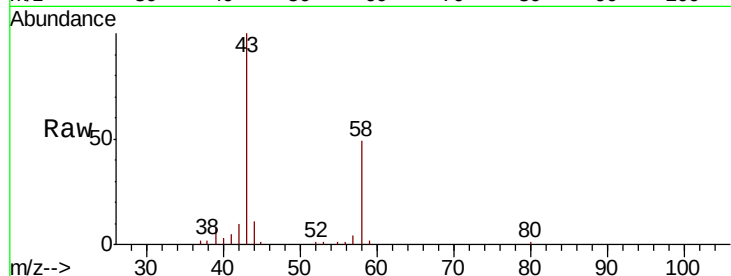
QC090320 CAN 10439

Tot Ion: 43 Resp: 30637

Ion Ratio Lower Upper

43 100

58 66.6 28.4 42.6#



#20

Methylene Chloride

Concen: 0.984 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035566.D

Acq: 8 Sep 2020 21:40

Tgt Ion: 84 Resp: 87405

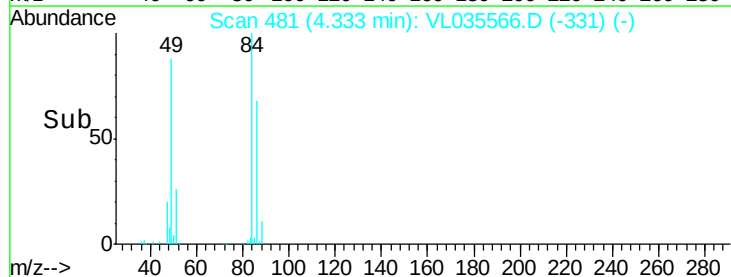
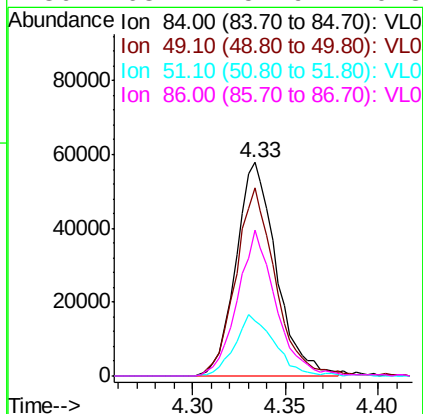
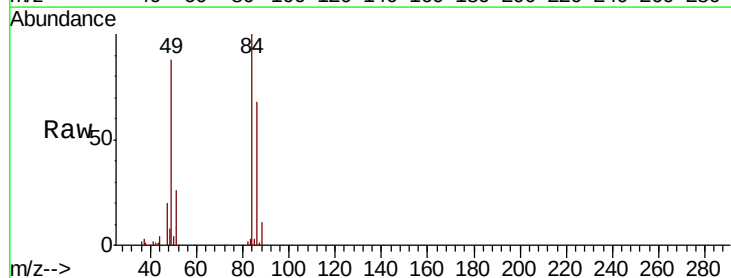
Ion Ratio Lower Upper

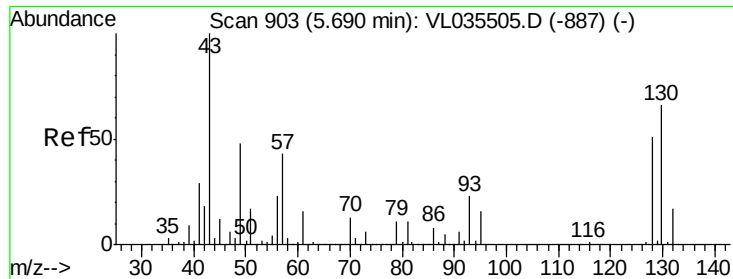
84 100

49 88.0 65.4 98.0

51 25.6 21.5 32.3

86 68.1 52.9 79.3

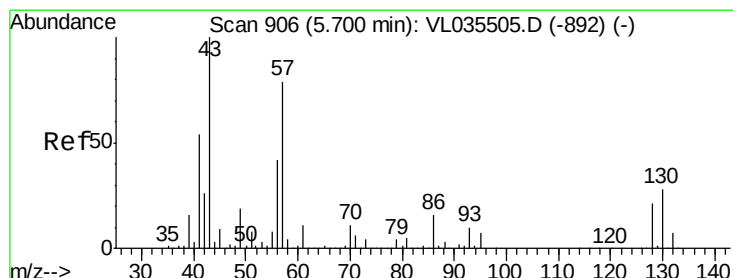
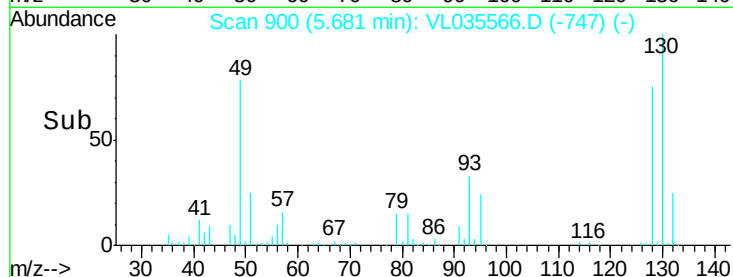
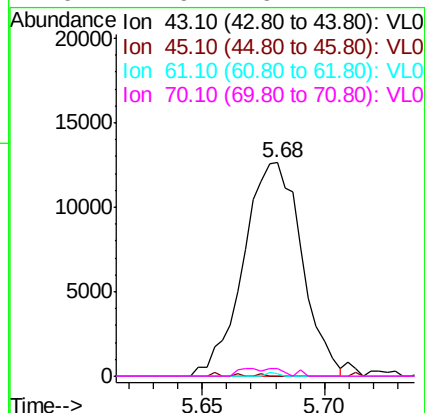
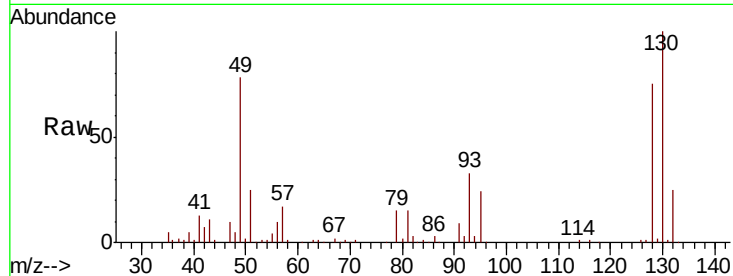




#25
Ethyl Acetate
Concen: 0.099 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035566.D
Acq: 8 Sep 2020 21:40

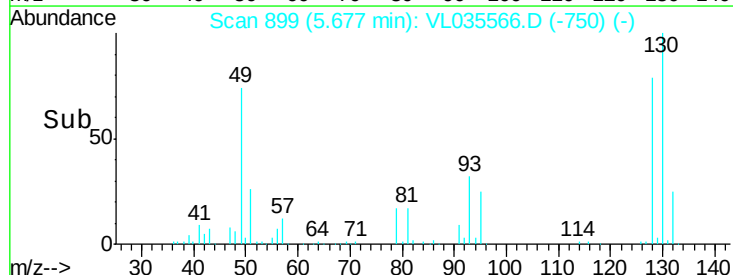
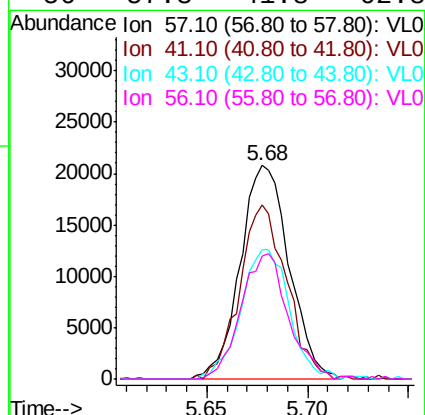
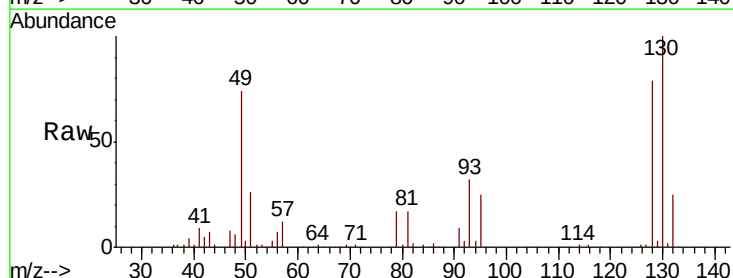
Instrument :
MSVOA_L
ClientSampleId :
QC090320 CAN 10439

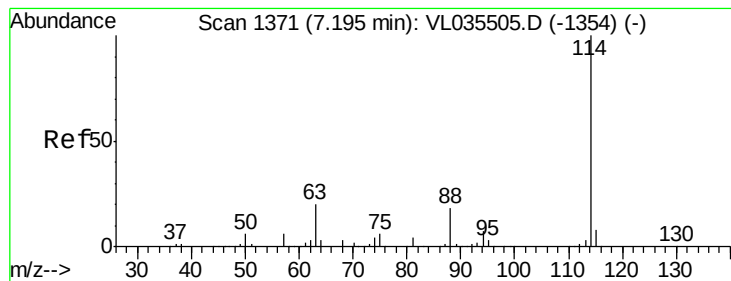
Tot Ion: 43 Resp: 20953
Ion Ratio Lower Upper
43 100
45 0.0 8.4 12.6#
61 0.3 10.6 16.0#
70 2.9 9.4 14.2#



#26
Hexane
Concen: 0.295 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL035566.D
Acq: 8 Sep 2020 21:40

Tgt Ion: 57 Resp: 35281
Ion Ratio Lower Upper
57 100
41 78.4 55.9 83.9
43 61.0 141.8 212.8#
56 57.3 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.03 min

Lab File: VL035566.D

Acq: 8 Sep 2020 21:40

Instrument :

MSVOA_L

ClientSampleId :

QC090320 CAN 10439

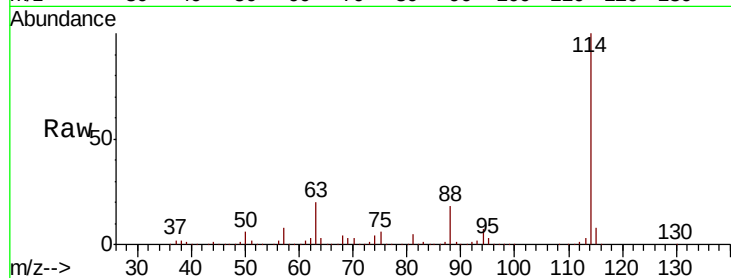
Tot Ion:114 Resp: 4407631

Ion Ratio Lower Upper

114 100

63 18.7 14.7 22.1

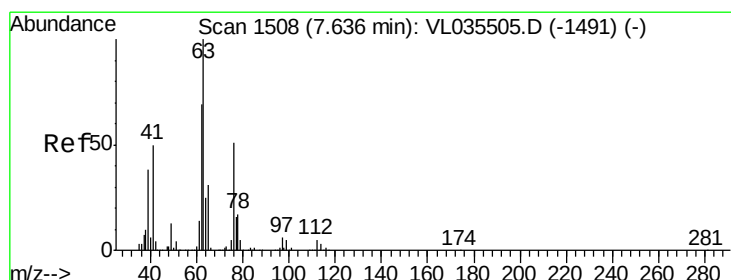
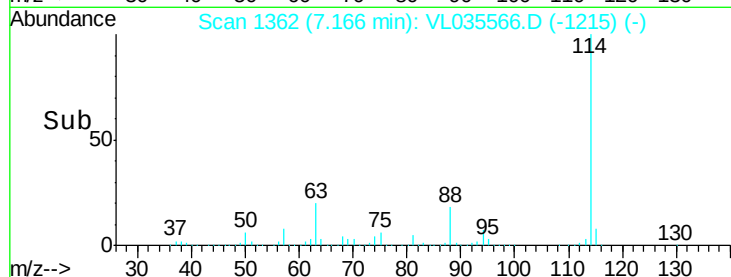
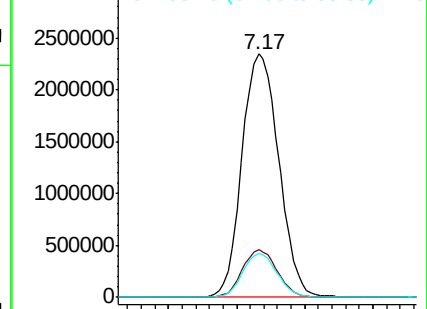
88 17.0 13.4 20.2



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 8.503 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL035566.D

Acq: 8 Sep 2020 21:40

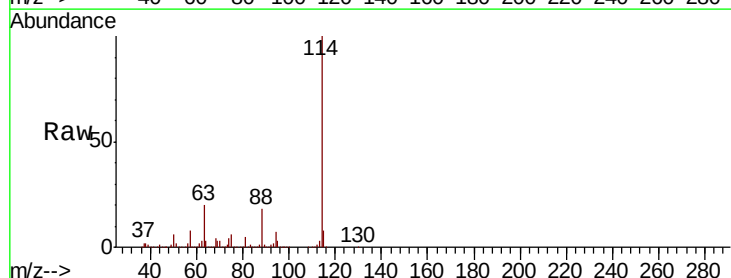
Tgt Ion: 63 Resp: 819536

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

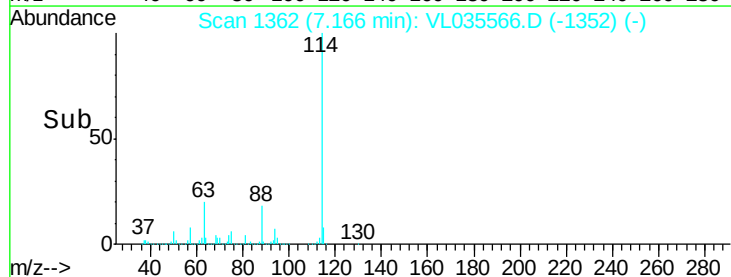
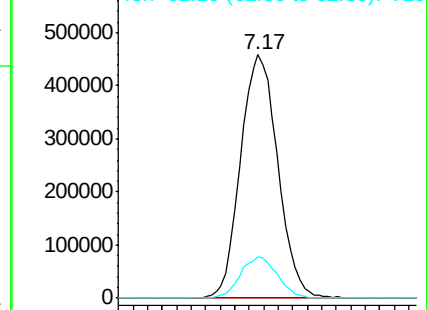
62 16.9 55.4 83.0#

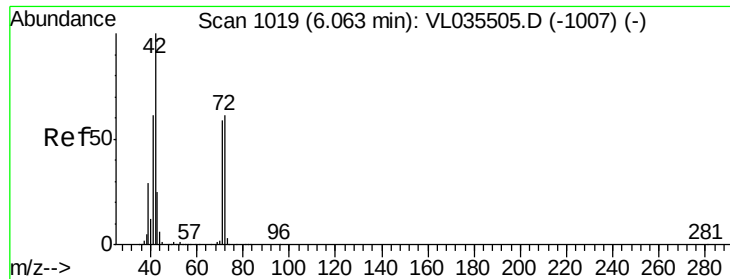


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.193 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.39 min

Lab File: VL035566.D

Acq: 8 Sep 2020 21:40

Instrument :

MSVOA_L

ClientSampleId :

QC090320 CAN 10439

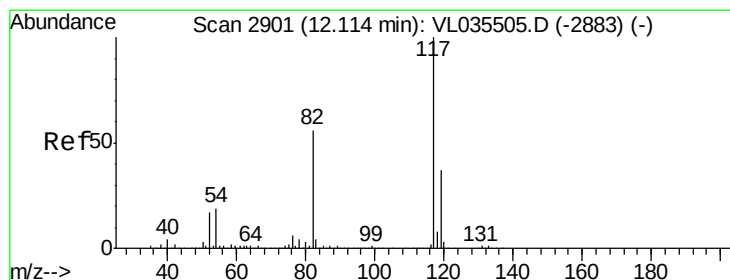
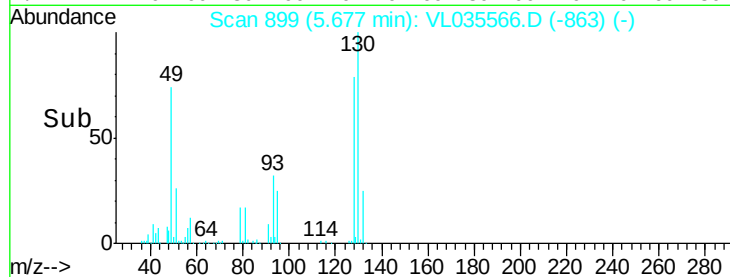
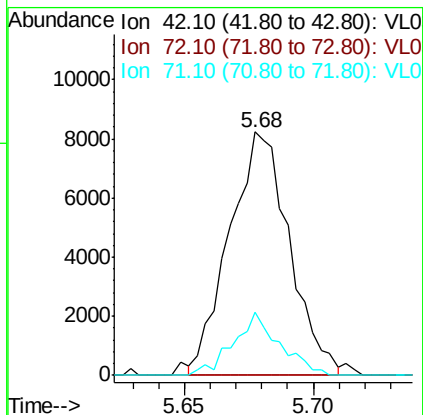
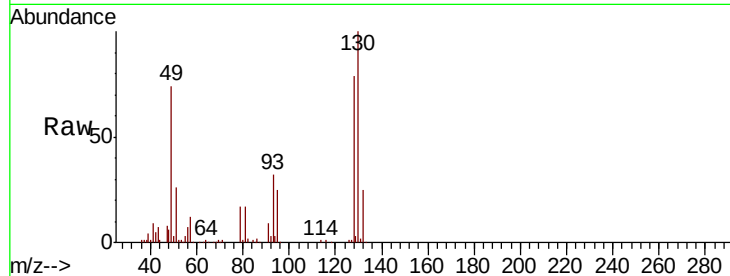
Tot Ion: 42 Resp: 13379

Ion Ratio Lower Upper

42 100

72 0.0 48.6 73.0#

71 19.8 46.1 69.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.03 min

Lab File: VL035566.D

Acq: 8 Sep 2020 21:40

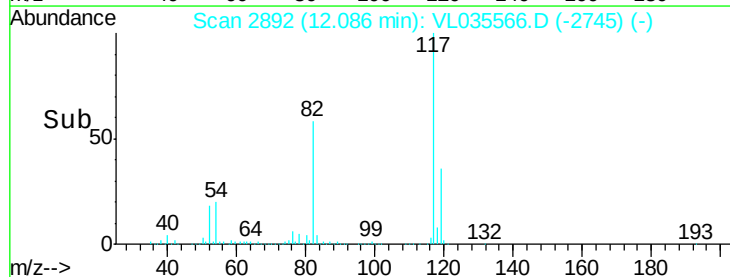
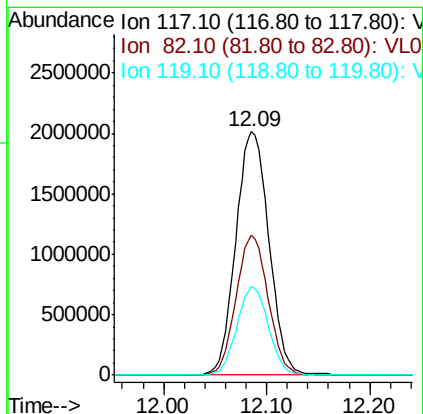
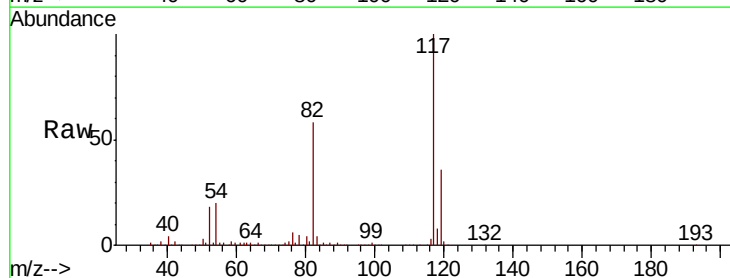
Tgt Ion: 117 Resp: 4501048

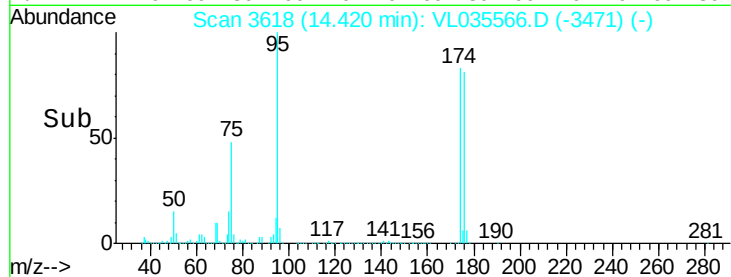
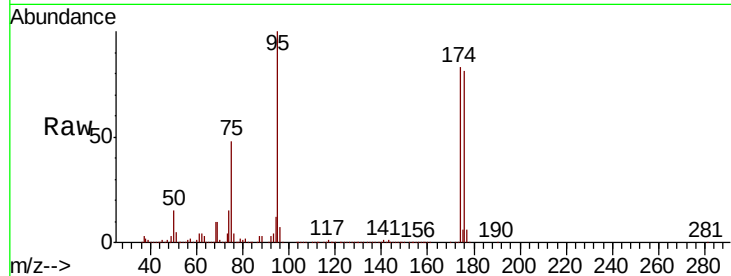
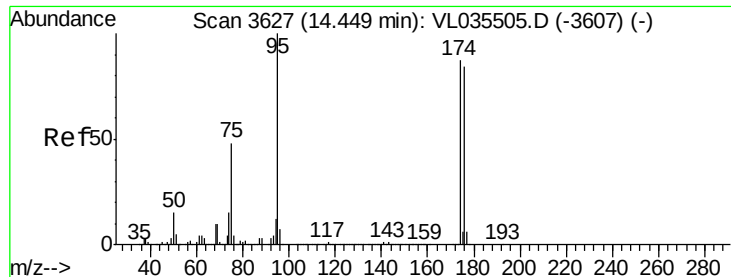
Ion Ratio Lower Upper

117 100

82 55.9 41.6 62.4

119 34.8 29.3 43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.344 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.03 min

Lab File: VL035566.D

Acq: 8 Sep 2020 21:40

Instrument :

MSVOA_L

ClientSampleId :

QC090320 CAN 10439

Tot Ion: 95 Resp: 3306516

Ion Ratio Lower Upper

95 100

174 85.1 69.6 104.4

175 6.2 5.1 7.7

