

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036056.D
 Acq On : 3 Dec 2020 18:29
 Operator : SY/AP
 Sample : OC120120 CAN 10258
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120120 CAN 10258

Quant Time: Dec 04 04:15:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 04 03:52:25 2020
 QLast Update : Fri Dec 04 03:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1061389	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3713886	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3381374	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2506131	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

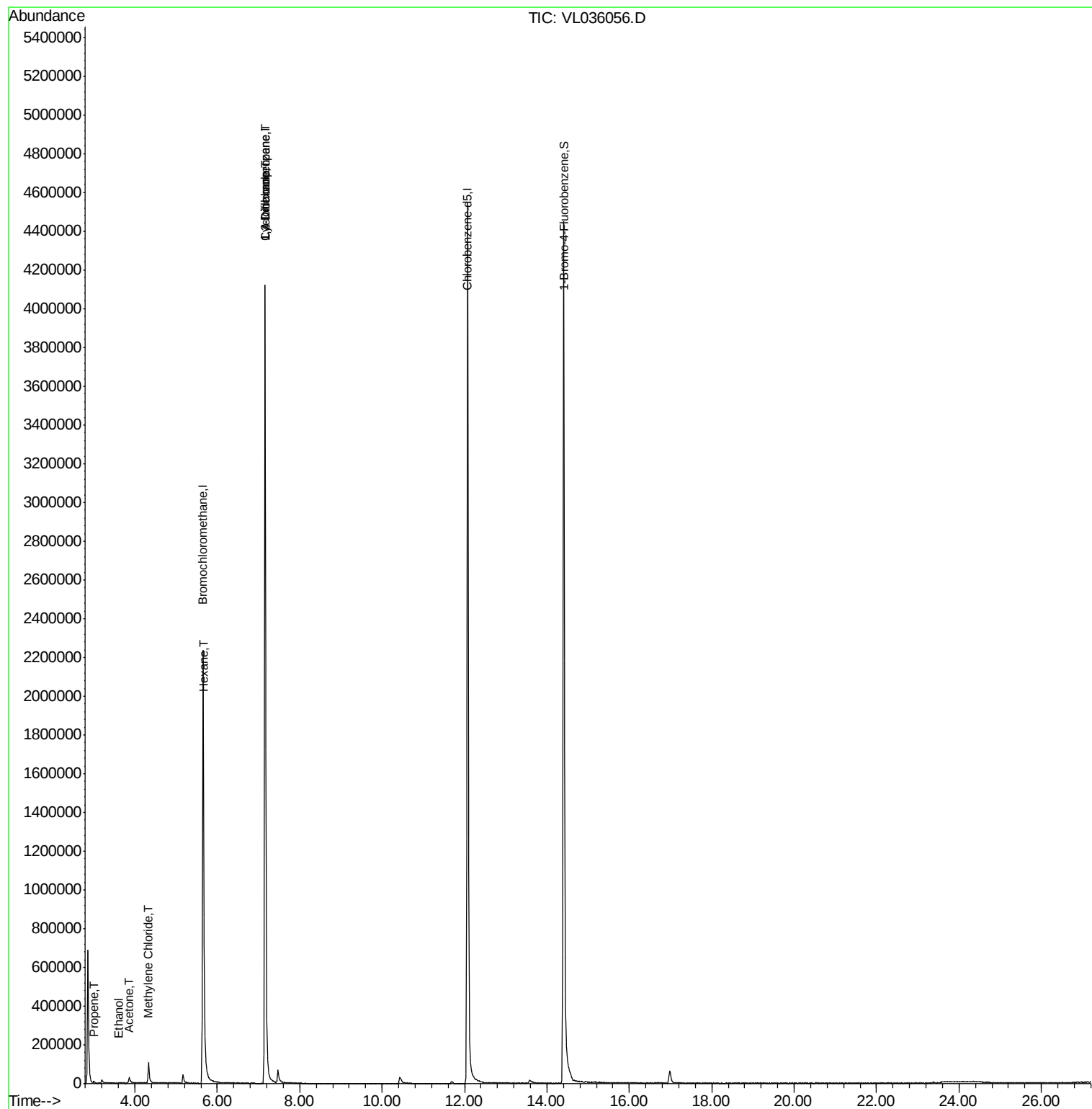
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3140	0.072	ppbv	99
13) Ethanol	3.60	45	578	0.070	ppbv #	35
15) Acetone	3.86	43	23044	0.201	ppbv #	1
20) Methylene Chloride	4.33	84	55778	0.589	ppbv	97
26) Hexane	5.67	57	15111	0.125	ppbv #	44
30) Cyclohexane	7.15	84	9464	0.088	ppbv #	6
39) 1,2-Dichloropropane	7.16	63	776126	8.020	ppbv #	30

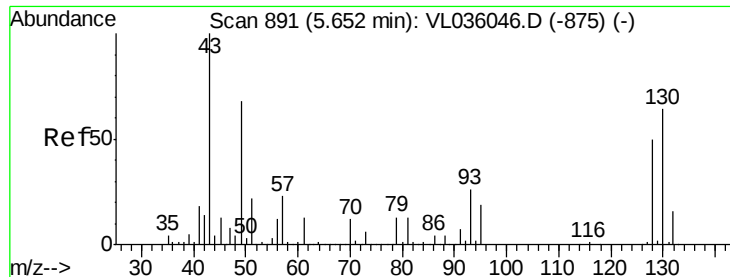
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 04 03:52:25 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL036056.D

Acq: 3 Dec 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

QC120120 CAN 10258

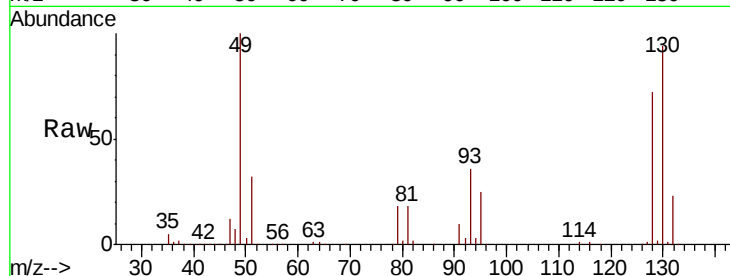
Tot Ion: 49 Resp: 1061389

Ion Ratio Lower Upper

49 100

128 75.2 38.3 114.8

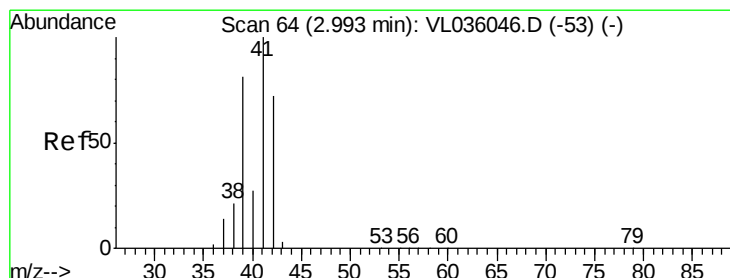
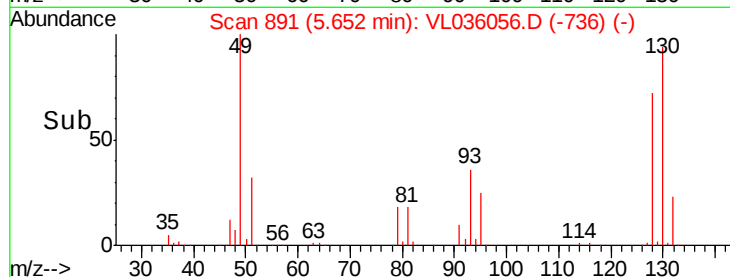
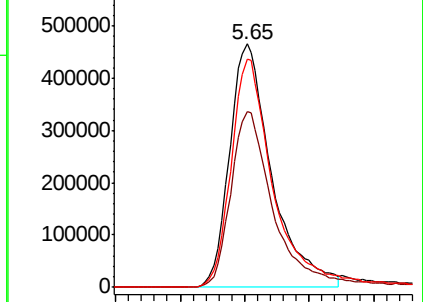
130 96.8 49.1 147.4



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: 0.072 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.02 min

Lab File: VL036056.D

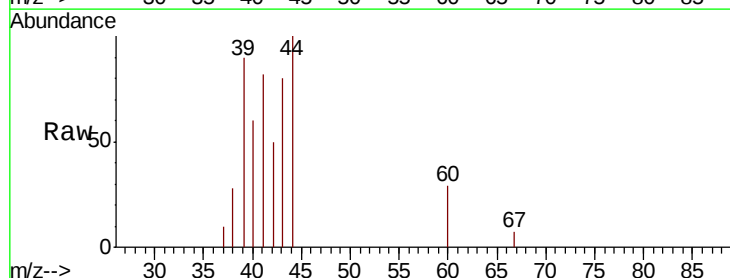
Acq: 3 Dec 2020 18:29

Tgt Ion: 41 Resp: 3140

Ion Ratio Lower Upper

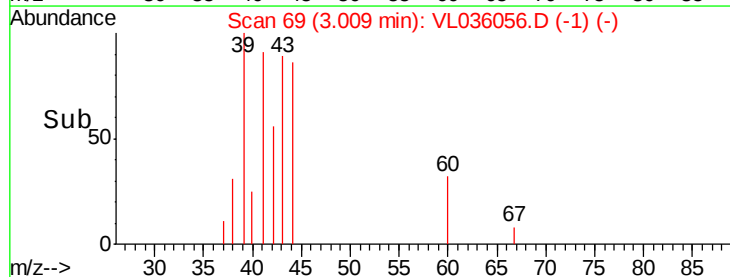
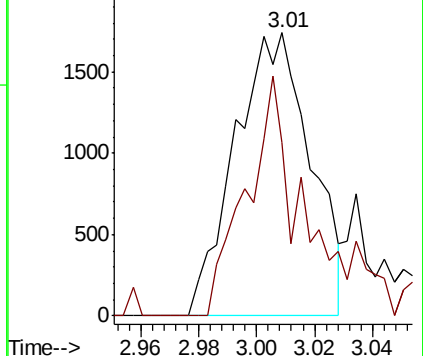
41 100

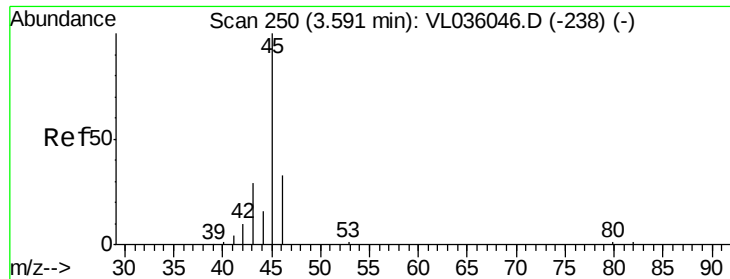
42 72.3 56.9 85.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.070 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL036056.D

Acq: 3 Dec 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

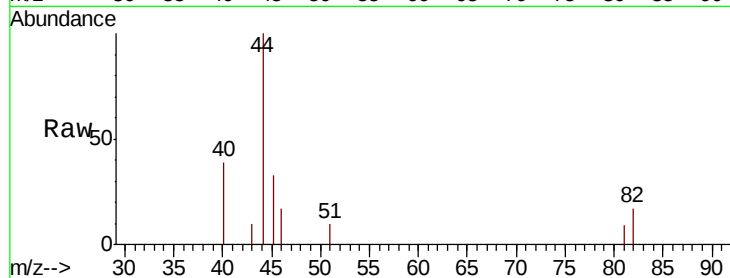
QC120120 CAN 10258

Tot Ion: 45 Resp: 578

Ion Ratio Lower Upper

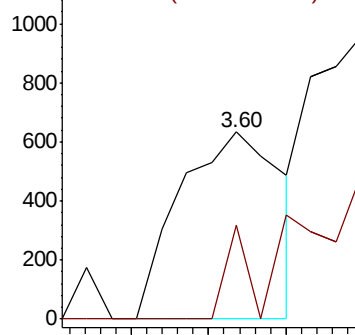
45 100

46 0.0 16.0 64.2#

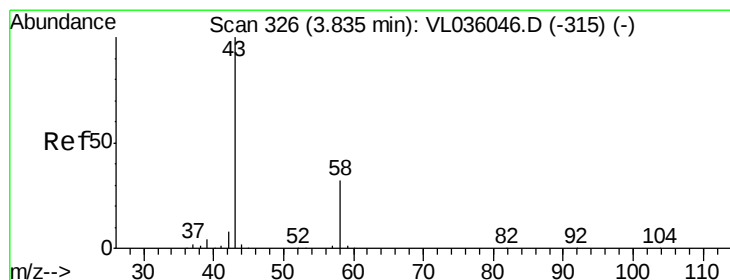
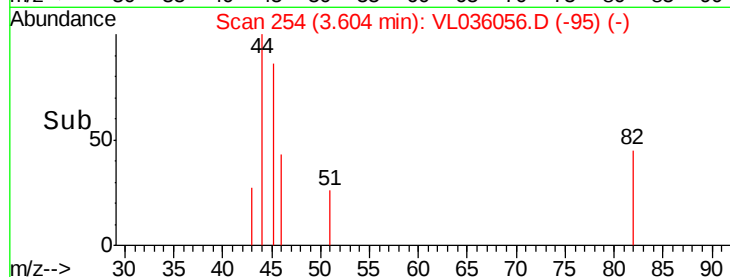


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



Time-->



#15

Acetone

Concen: 0.201 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL036056.D

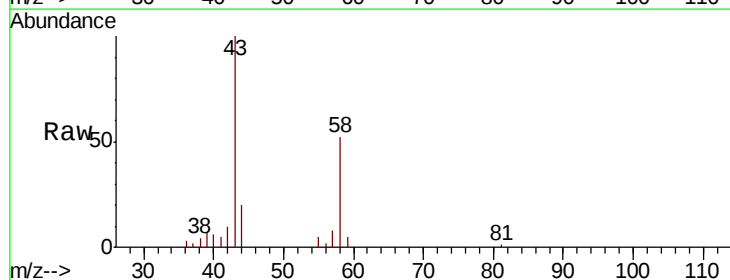
Acq: 3 Dec 2020 18:29

Tgt Ion: 43 Resp: 23044

Ion Ratio Lower Upper

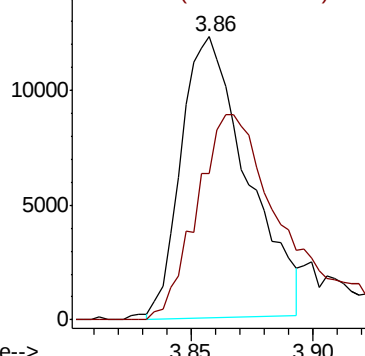
43 100

58 101.1 27.0 40.6#

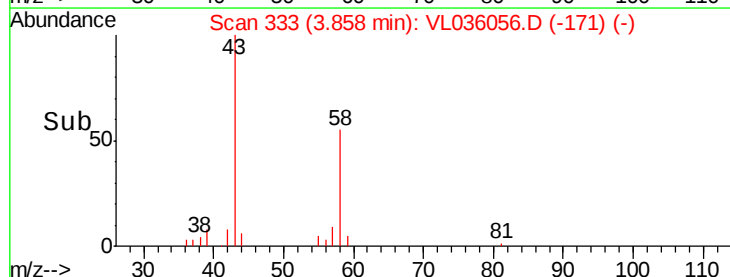


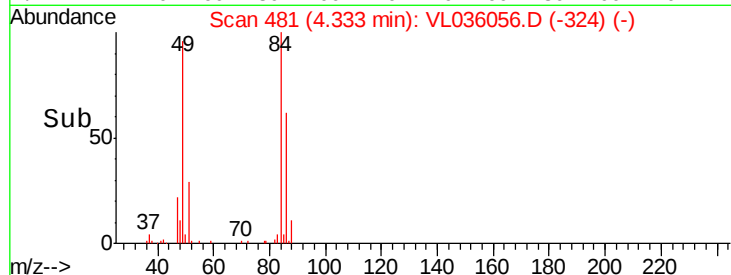
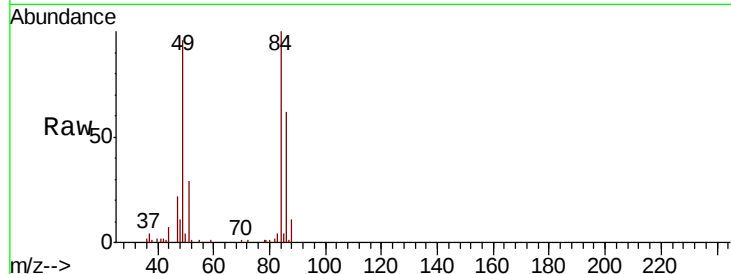
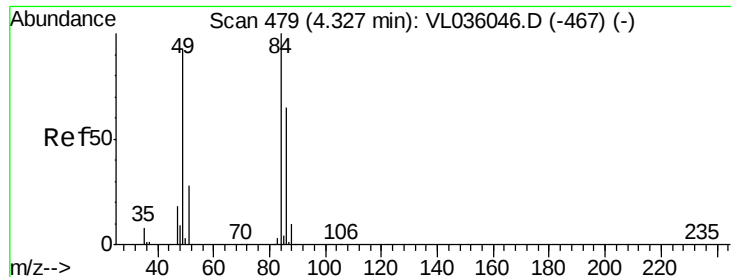
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->

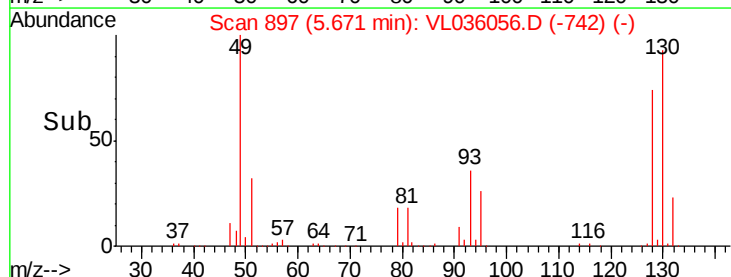
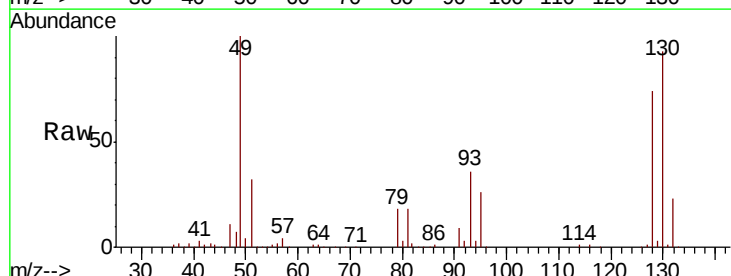
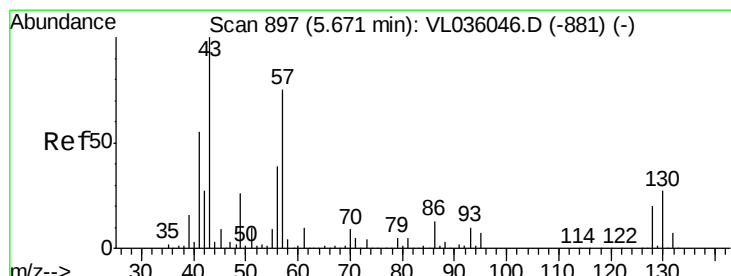
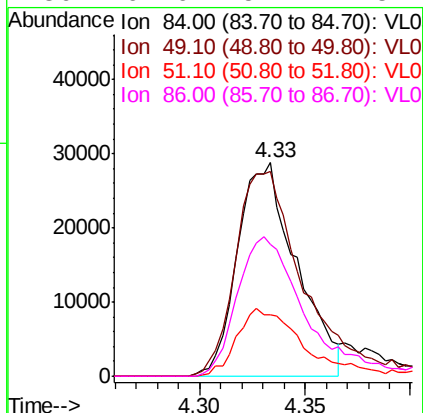




#20
Methvlene Chloride
Concen: 0.589 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036056.D
Acq: 3 Dec 2020 18:29

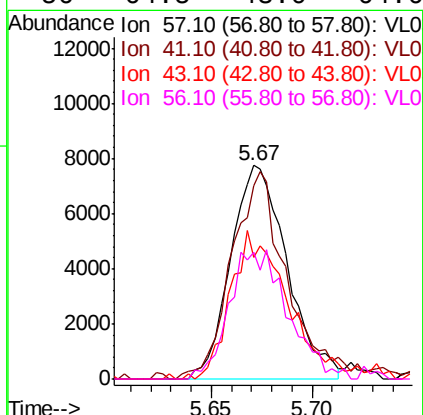
Instrument :
MSVOA_L
ClientSampleId :
QC120120 CAN 10258

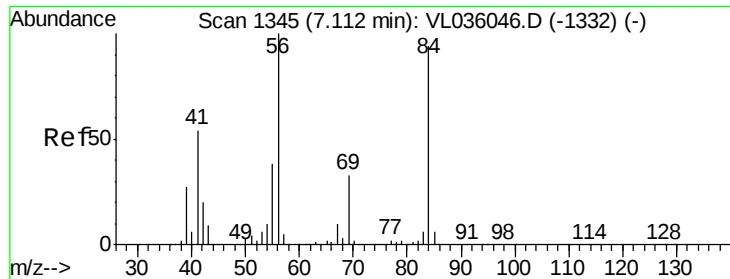
Tot Ion:	84	Resp:	55778
Ion	Ratio	Lower	Upper
84	100		
49	96.0	74.4	111.6
51	28.6	22.5	33.7
86	61.6	52.2	78.2



#26
Hexane
Concen: 0.125 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036056.D
Acq: 3 Dec 2020 18:29

Tgt Ion:	57	Resp:	15111
Ion	Ratio	Lower	Upper
57	100		
41	98.0	61.6	92.4#
43	73.2	152.9	229.3#
56	64.5	43.0	64.6

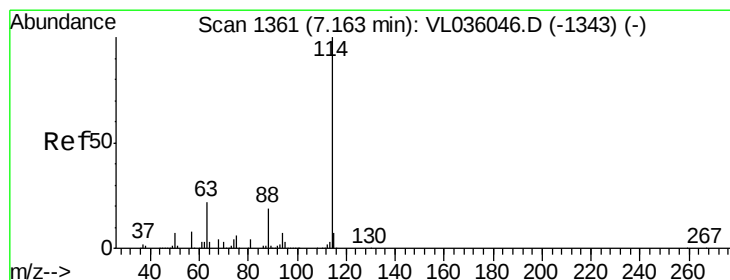
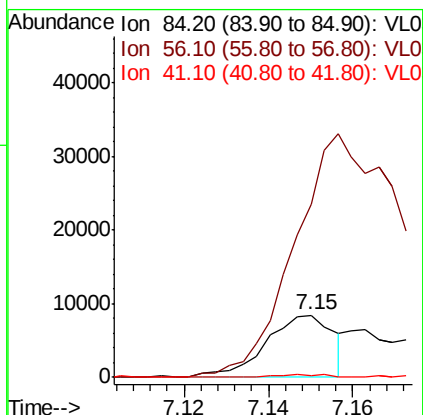
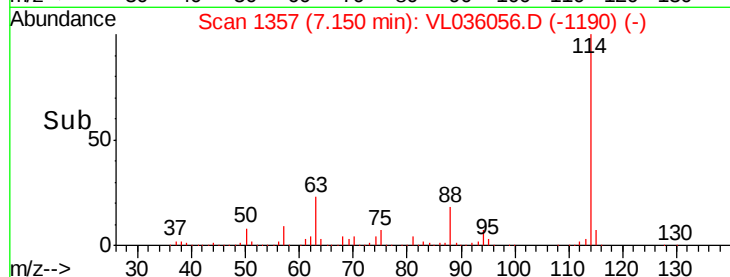
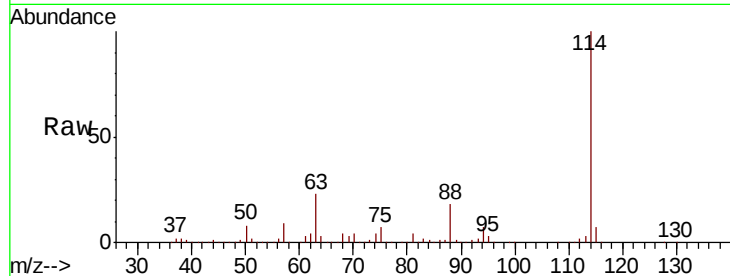




#30
Cyclohexane
Concen: 0.088 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.04 min
Lab File: VL036056.D
Acq: 3 Dec 2020 18:29

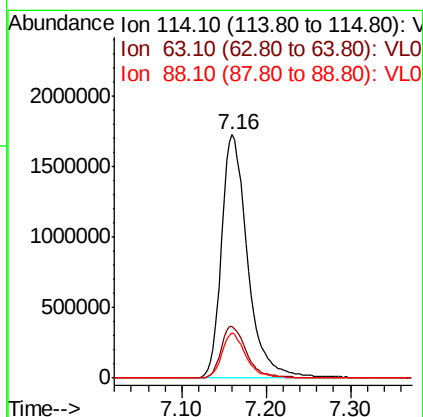
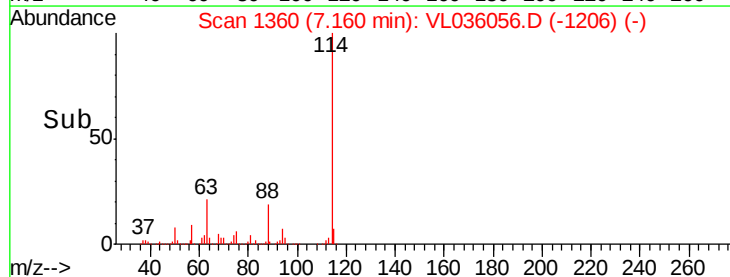
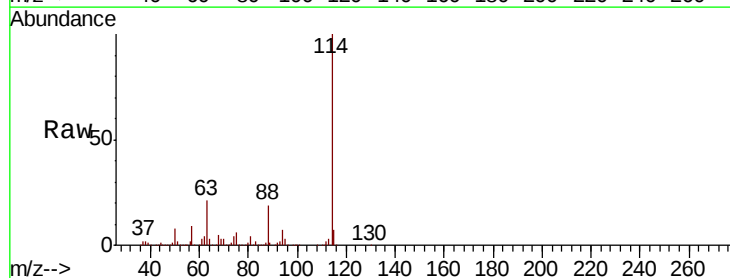
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QC120120 CAN 10258

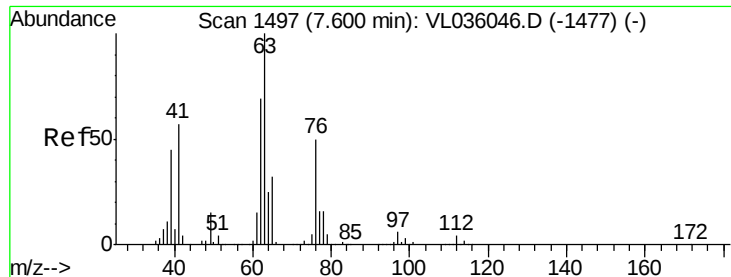
Tot Ion: 84 Resp: 9464
Ion Ratio Lower Upper
84 100
56 0.0 89.9 134.9#
41 3.2 46.1 69.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL036056.D
Acq: 3 Dec 2020 18:29

Tgt Ion: 114 Resp: 3713886
Ion Ratio Lower Upper
114 100
63 21.2 17.2 25.8
88 17.4 14.0 21.0

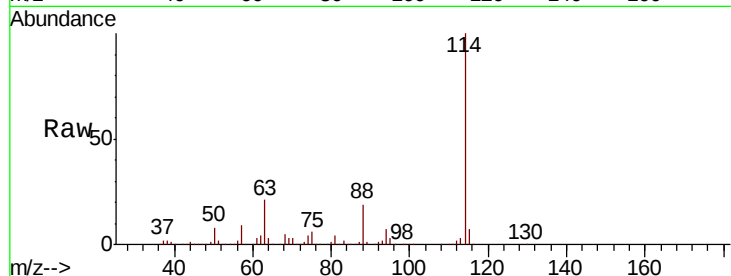




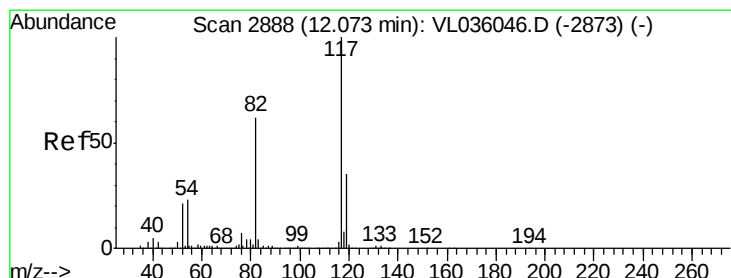
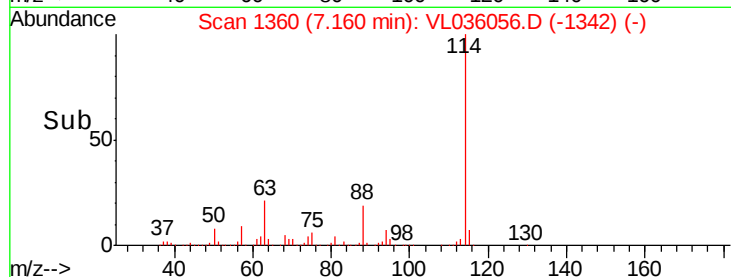
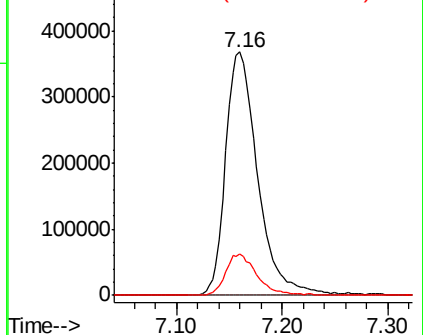
#39
 1,2-Dichloropropane
 Concen: 8.020 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.44 min
 Lab File: VL036056.D
 Acq: 3 Dec 2020 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120120 CAN 10258

Tot Ion: 63 Resp: 776126
 Ion Ratio Lower Upper
 63 100
 41 0.0 45.4 68.0#
 62 17.3 55.3 82.9#

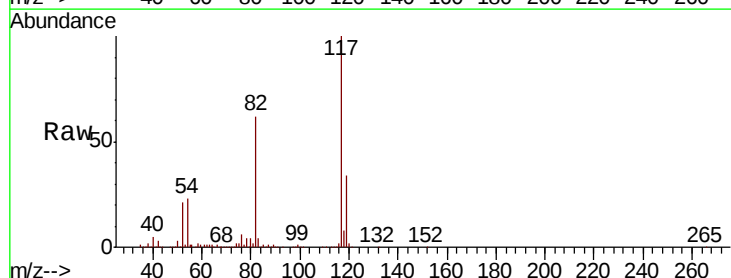


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

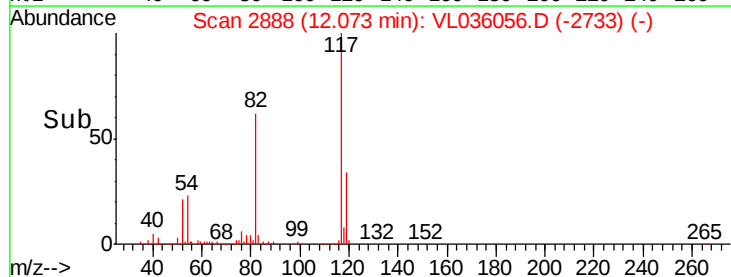
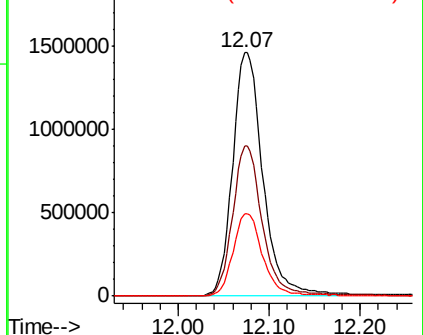


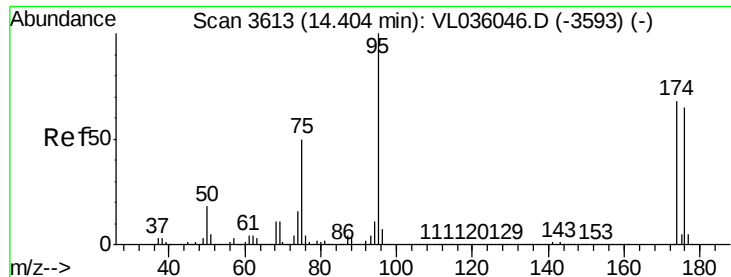
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: VL036056.D
 Acq: 3 Dec 2020 18:29

Tgt Ion: 117 Resp: 3381374
 Ion Ratio Lower Upper
 117 100
 82 61.9 49.9 74.9
 119 34.2 28.7 43.1



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: 9.740 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL036056.D

Acq: 3 Dec 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

QC120120 CAN 10258

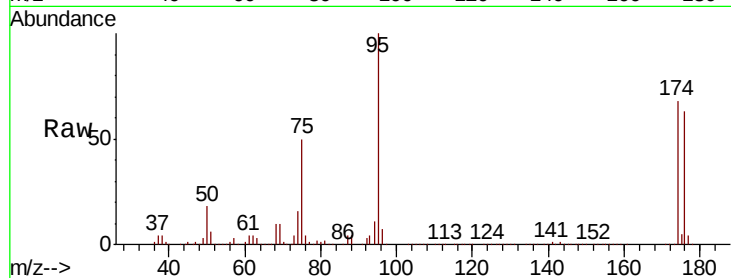
Tot Ion: 95 Resp: 2506131

Ion Ratio Lower Upper

95 100

174 69.8 54.2 81.2

175 4.8 3.8 5.8



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

