

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036059.D
 Acq On : 3 Dec 2020 20:30
 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 04:15:54 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	1109493	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3745881	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3458081	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2590134	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

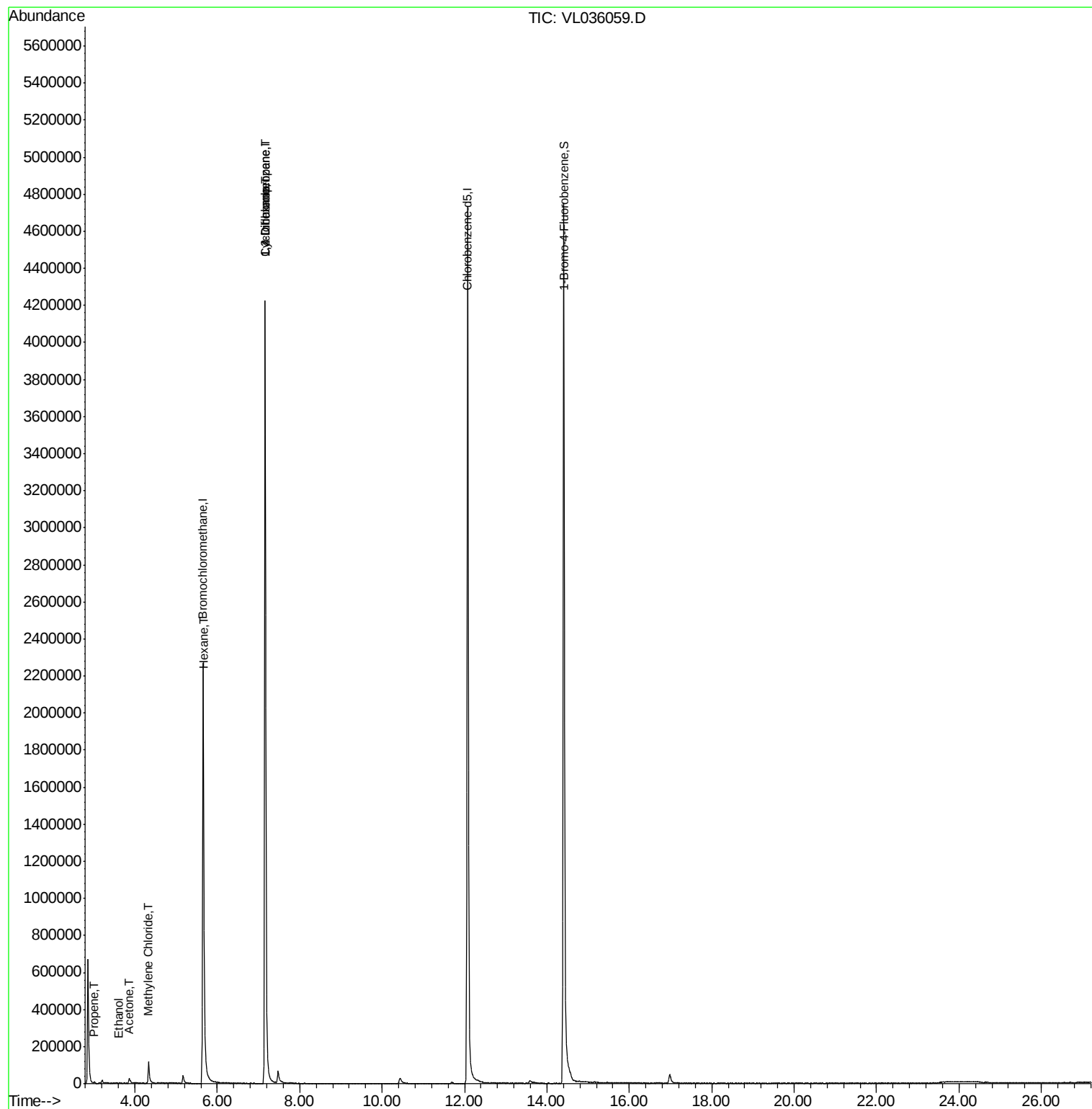
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3250	0.071	ppbv	98
13) Ethanol	3.60	45	522	0.061	ppbv #	35
15) Acetone	3.86	43	16706	0.139	ppbv #	41
20) Methylene Chloride	4.33	84	64076	0.647	ppbv	95
26) Hexane	5.67	57	14451	0.115	ppbv #	43
30) Cyclohexane	7.15	84	8606	0.077	ppbv #	4
39) 1,2-Dichloropropane	7.16	63	775554	7.946	ppbv #	30

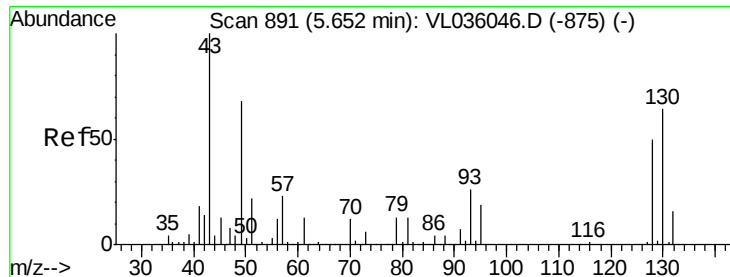
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL036059.D

Acq: 3 Dec 2020 20:30

Instrument :

MSVOA_L

ClientSampleId :

QC120120 CAN 10258

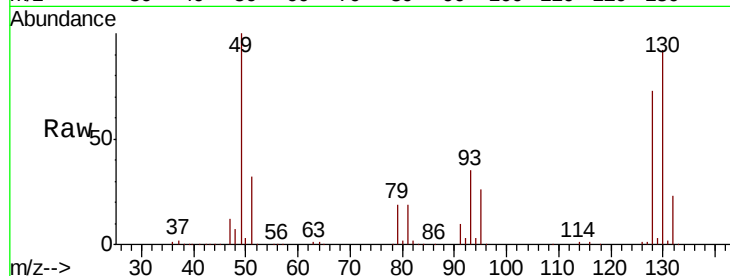
Tot Ion: 49 Resp: 1109493

Ion Ratio Lower Upper

49 100

128 74.4 38.3 114.8

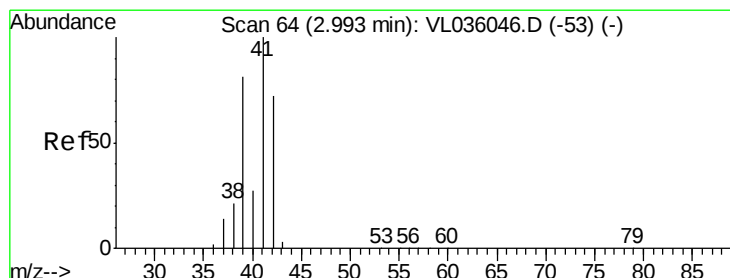
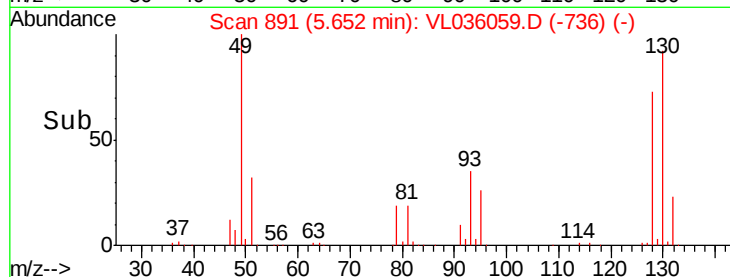
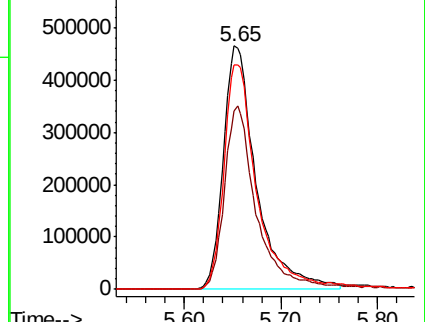
130 95.5 49.1 147.4



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: 0.071 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL036059.D

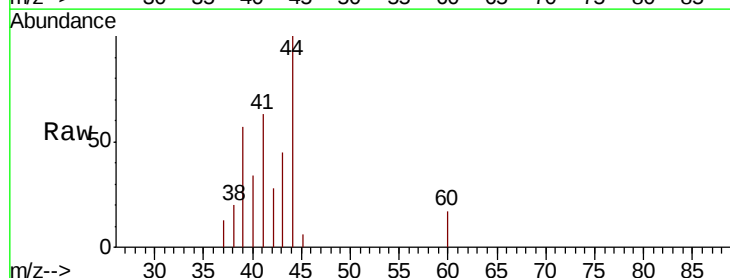
Acq: 3 Dec 2020 20:30

Tgt Ion: 41 Resp: 3250

Ion Ratio Lower Upper

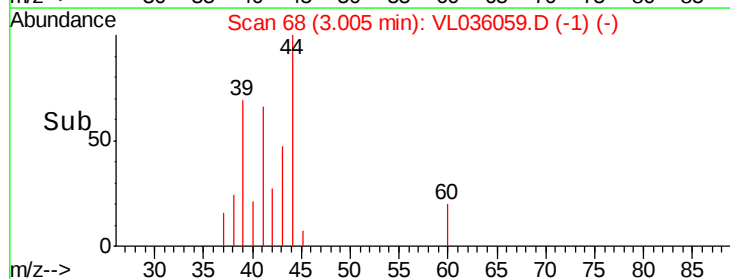
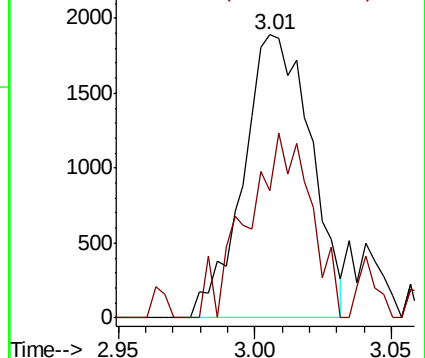
41 100

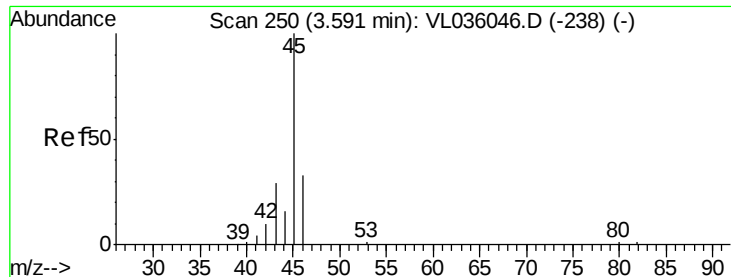
42 72.5 56.9 85.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

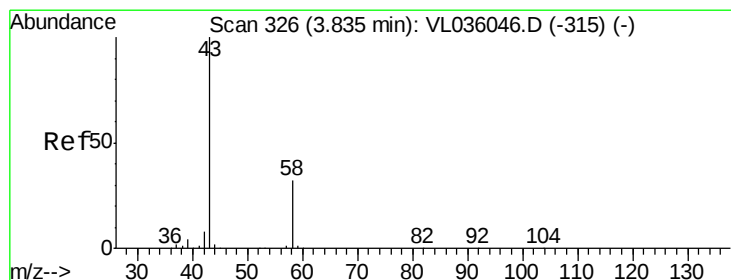
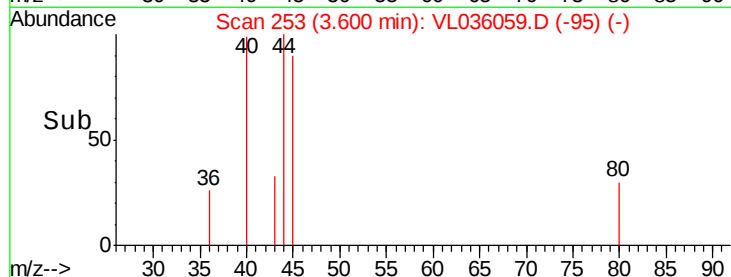
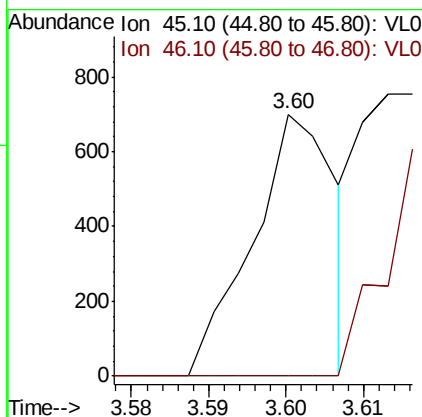
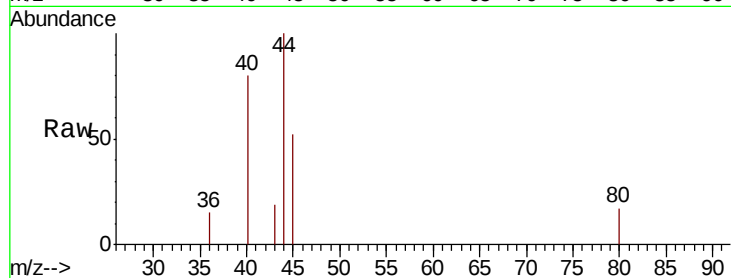




#13
Ethanol
Concen: 0.061 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL036059.D
Acq: 3 Dec 2020 20:30

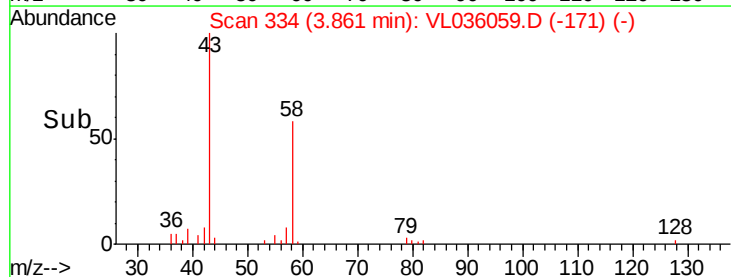
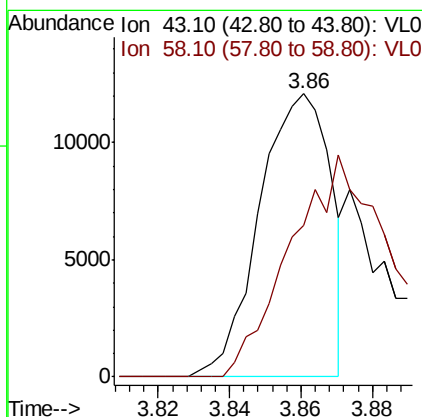
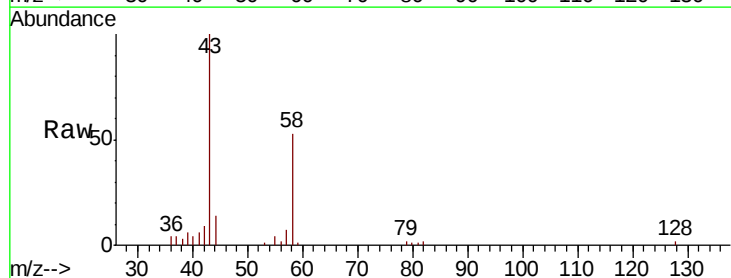
Instrument :
MSVOA_L
ClientSampleId :
QC120120 CAN 10258

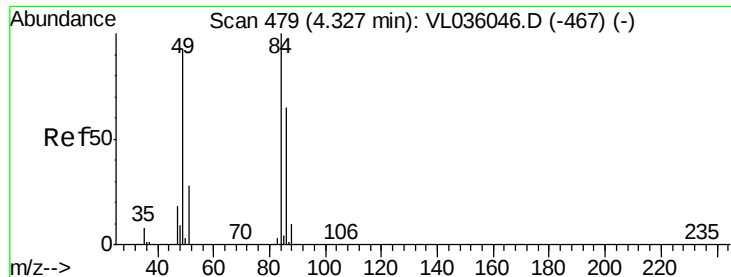
Tot Ion: 45 Resp: 522
Ion Ratio Lower Upper
45 100
46 0.0 16.0 64.2#



#15
Acetone
Concen: 0.139 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL036059.D
Acq: 3 Dec 2020 20:30

Tgt Ion: 43 Resp: 16706
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#

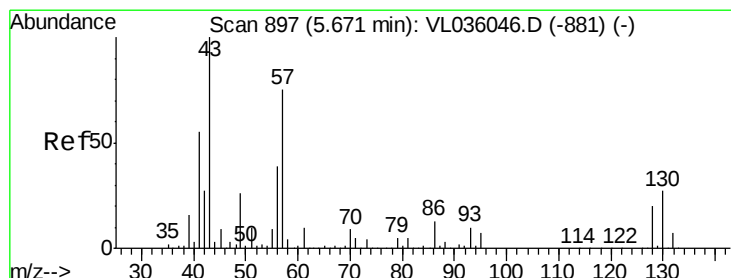
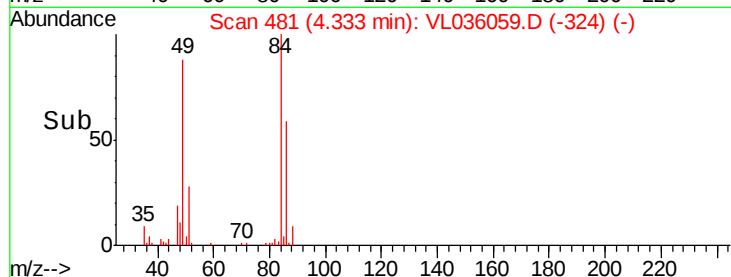
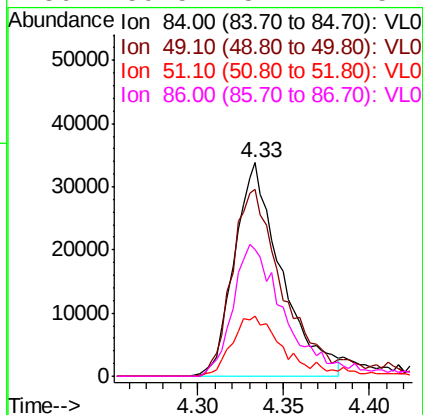
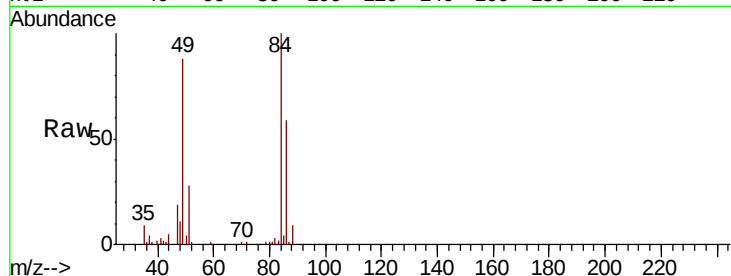




#20
Methvlene Chloride
Concen: 0.647 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036059.D
Acq: 3 Dec 2020 20:30

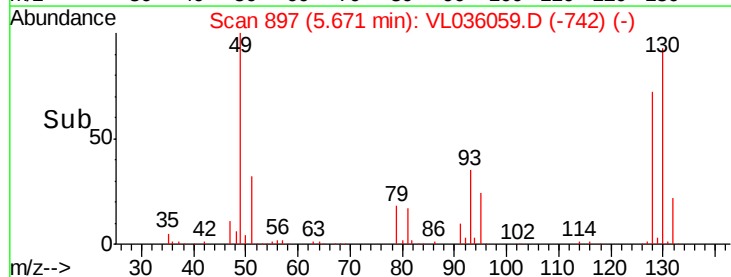
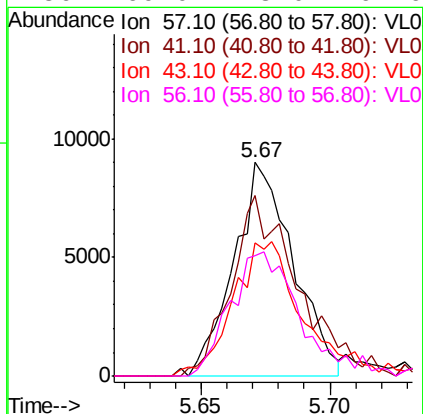
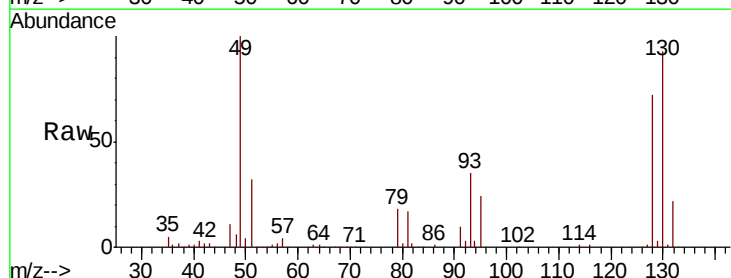
Instrument :
MSVOA_L
ClientSampleId :
QC120120 CAN 10258

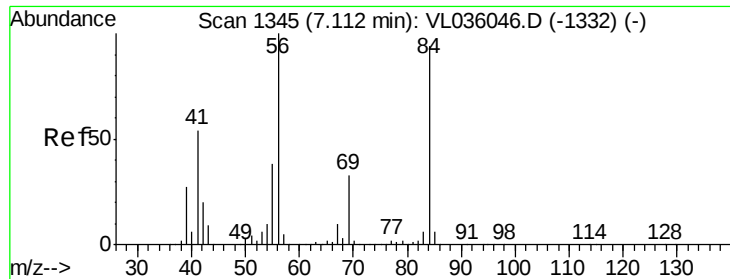
Tot Ion:	84	Resp:	64076
Ion	Ratio	Lower	Upper
84	100		
49	87.7	74.4	111.6
51	28.2	22.5	33.7
86	59.5	52.2	78.2



#26
Hexane
Concen: 0.115 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036059.D
Acq: 3 Dec 2020 20:30

Tgt Ion:	57	Resp:	14451
Ion	Ratio	Lower	Upper
57	100		
41	99.3	61.6	92.4#
43	74.2	152.9	229.3#
56	69.0	43.0	64.6#

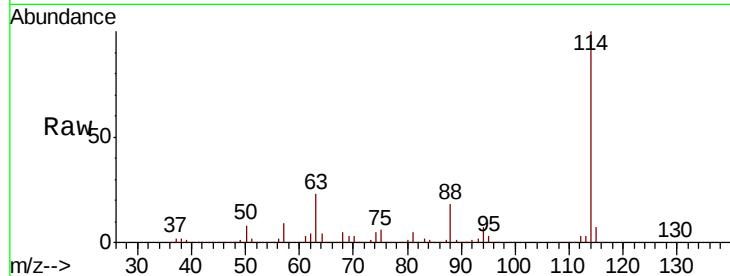




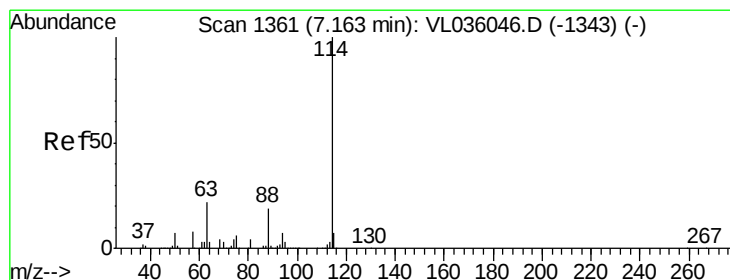
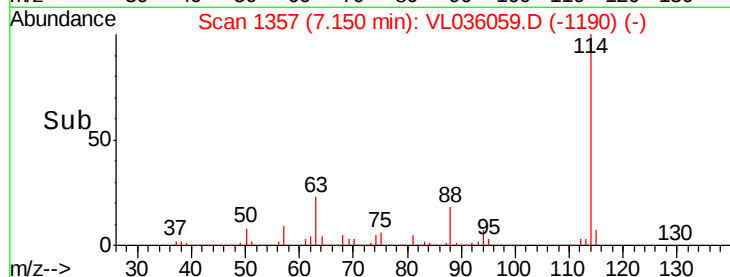
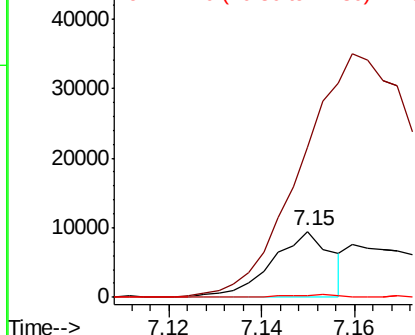
#30
Cyclohexane
Concen: 0.077 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.04 min
Lab File: VL036059.D
Acq: 3 Dec 2020 20:30

Instrument :
MSVOA_L
ClientSampleId :
QC120120 CAN 10258

Tot Ion: 84 Resp: 8606
Ion Ratio Lower Upper
84 100
56 0.0 89.9 134.9#
41 0.0 46.1 69.1#

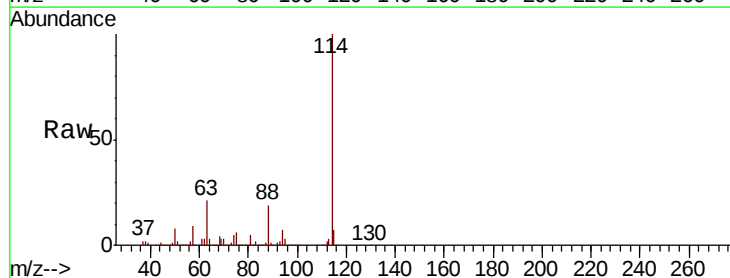


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

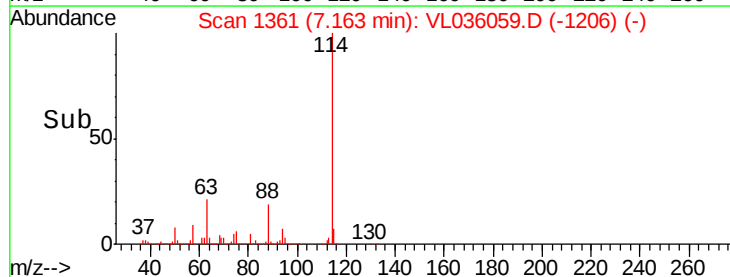
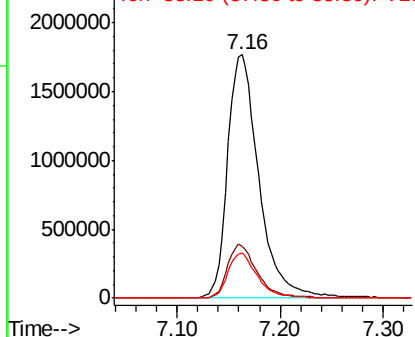


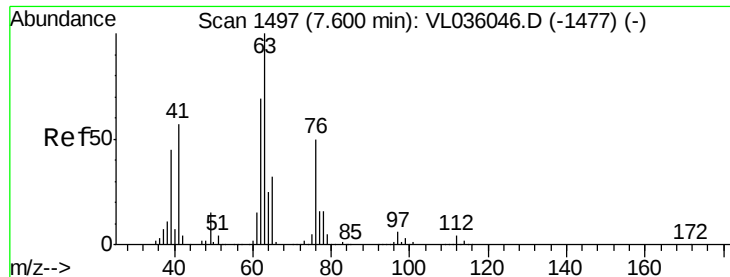
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL036059.D
Acq: 3 Dec 2020 20:30

Tgt Ion: 114 Resp: 3745881
Ion Ratio Lower Upper
114 100
63 21.4 17.2 25.8
88 17.7 14.0 21.0



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: 7.946 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.44 min

Lab File: VL036059.D

Acq: 3 Dec 2020 20:30

Instrument :

MSVOA_L

ClientSampleId :

QC120120 CAN 10258

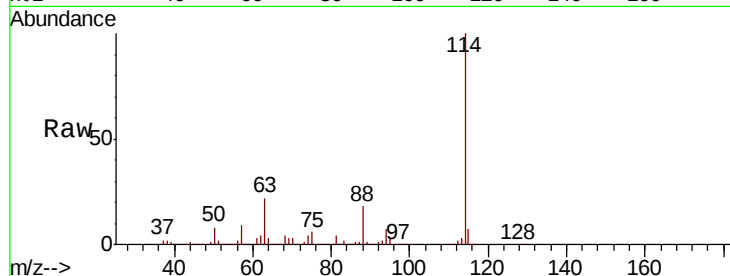
Tot Ion: 63 Resp: 775554

Ion Ratio Lower Upper

63 100

41 0.0 45.4 68.0#

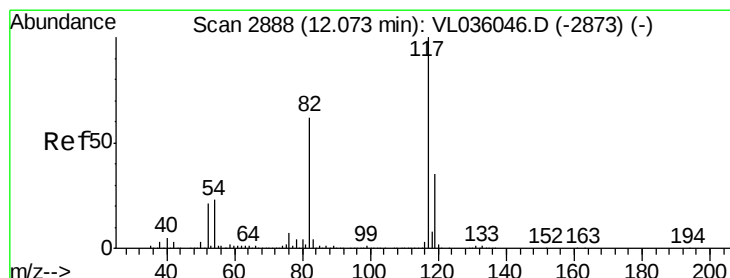
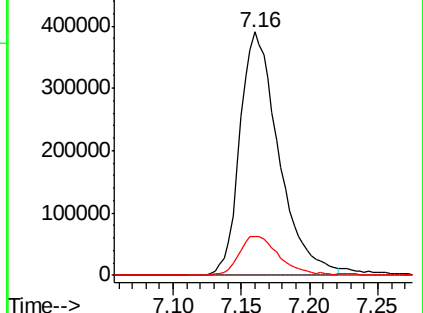
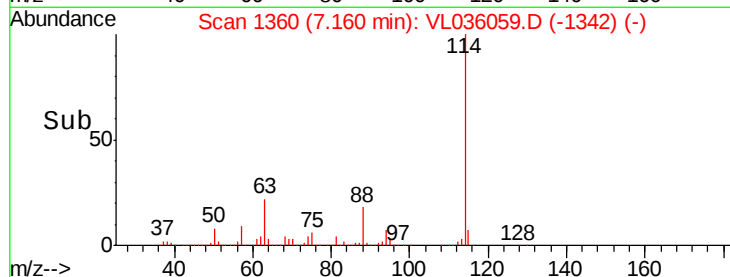
62 16.2 55.3 82.9#



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: 12.08 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VL036059.D

Acq: 3 Dec 2020 20:30

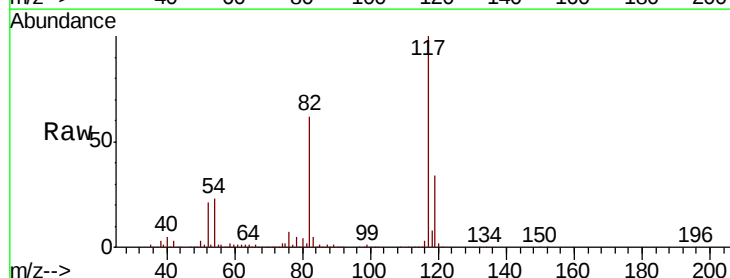
Tgt Ion:117 Resp: 3458081

Ion Ratio Lower Upper

117 100

82 62.4 49.9 74.9

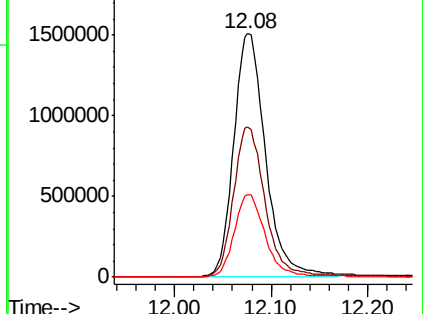
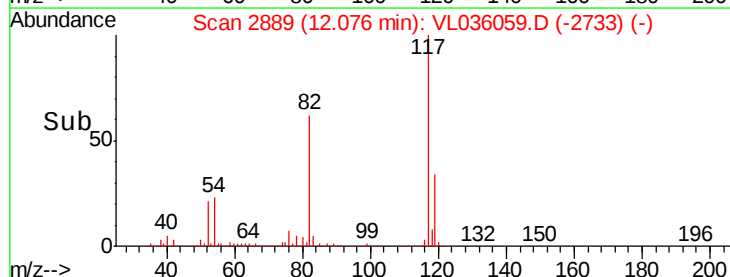
119 34.0 28.7 43.1

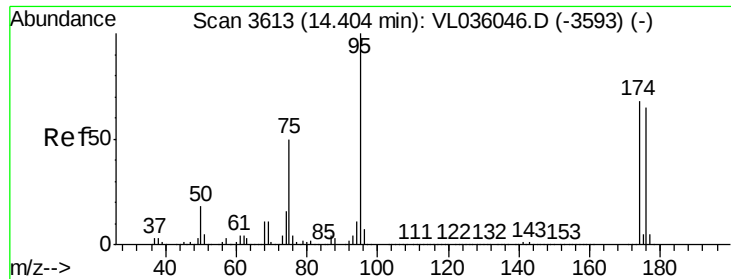


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.843 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. 0.00 min
 Lab File: VL036059.D
 Acq: 3 Dec 2020 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120120 CAN 10258

Tot Ion: 95 Resp: 2590134
 Ion Ratio Lower Upper
 95 100
 174 70.0 54.2 81.2
 175 4.9 3.8 5.8

