

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036058.D
 Acq On : 3 Dec 2020 19:50
 Operator : SY/AP
 Sample : OC113020 CAN 10597
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC113020 CAN 10597

Quant Time: Dec 04 04:15:45 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	1013375	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3531825	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3320129	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2464549	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

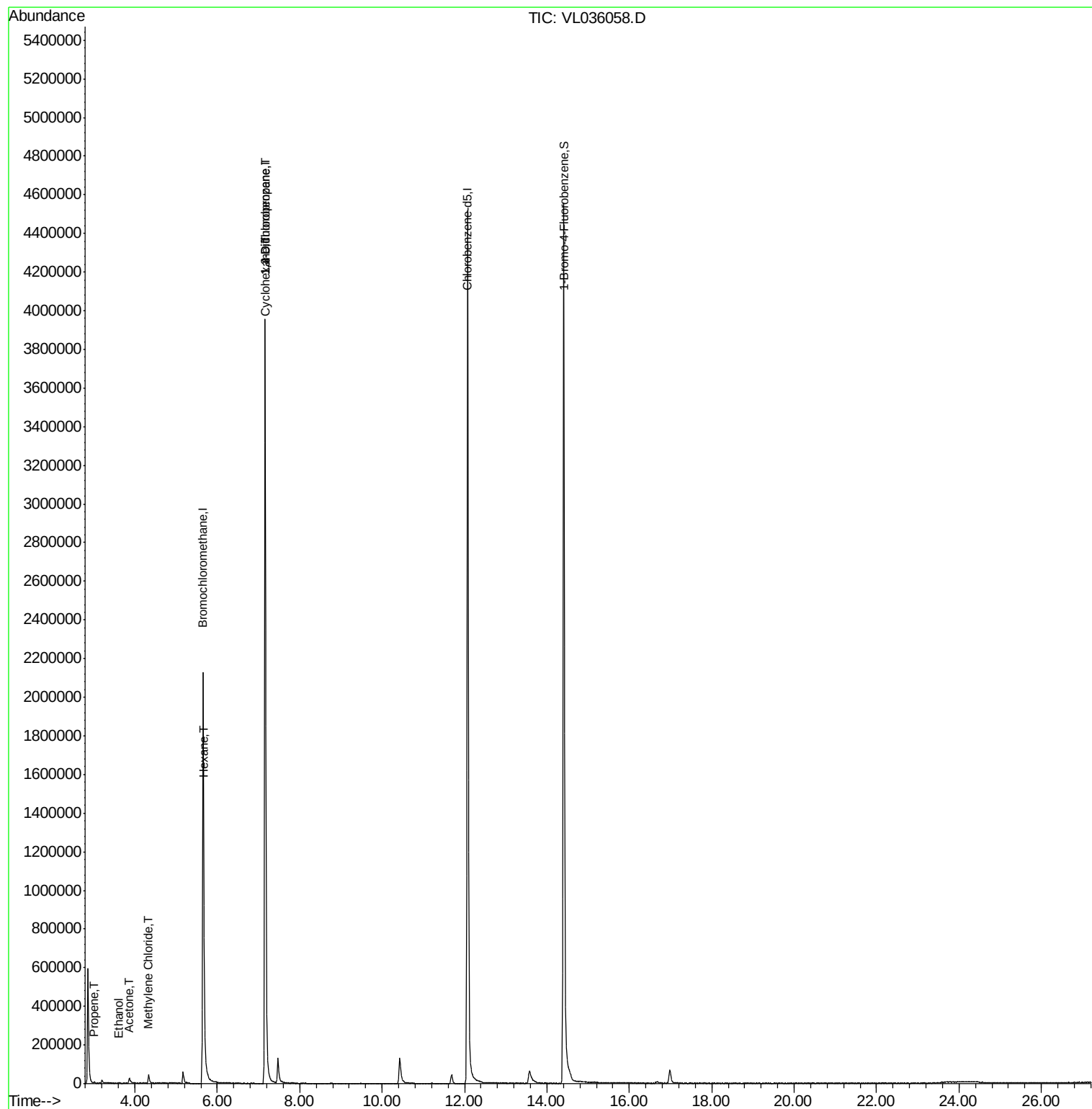
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2165	0.052	ppbv #	72
13) Ethanol	3.61	45	1106	0.141	ppbv #	35
15) Acetone	3.86	43	21087	0.192	ppbv #	1
20) Methylene Chloride	4.33	84	14762	0.163	ppbv	95
26) Hexane	5.68	57	5844	0.051	ppbv #	44
30) Cyclohexane	7.15	84	5333	0.052	ppbv #	4
39) 1,2-Dichloropropane	7.16	63	732246	7.957	ppbv #	30

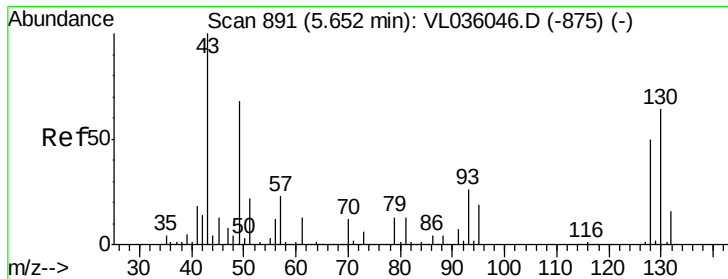
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 892

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

QC113020 CAN 10597

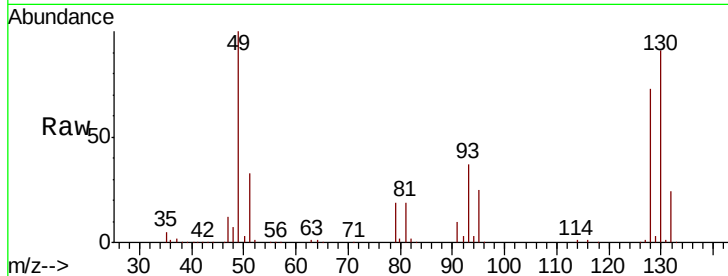
Tot Ion: 49 Resp: 1013375

Ion Ratio Lower Upper

49 100

128 75.9 38.3 114.8

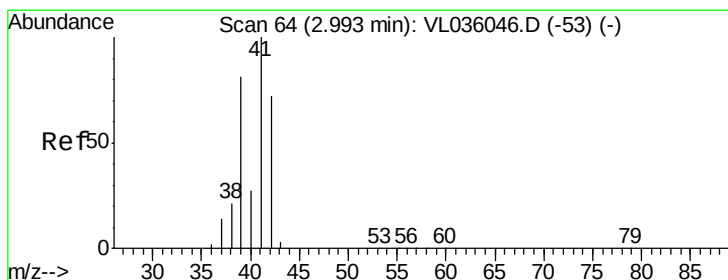
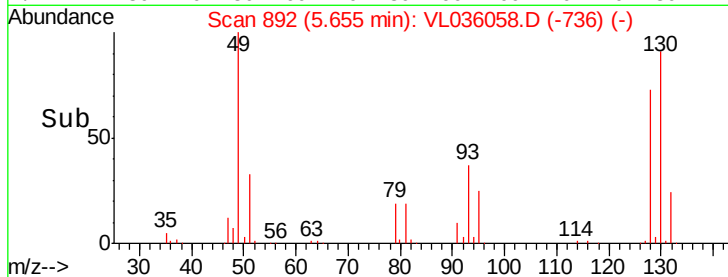
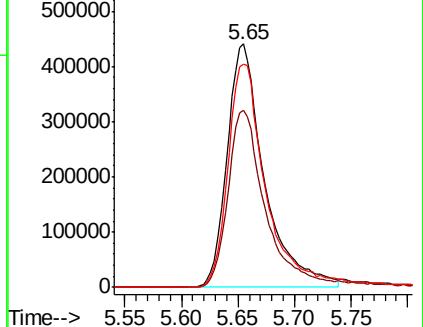
130 96.7 49.1 147.4



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: 0.052 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.02 min

Lab File: VL036058.D

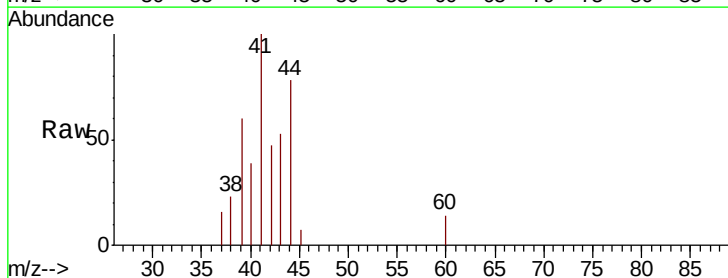
Acq: 3 Dec 2020 19:50

Tgt Ion: 41 Resp: 2165

Ion Ratio Lower Upper

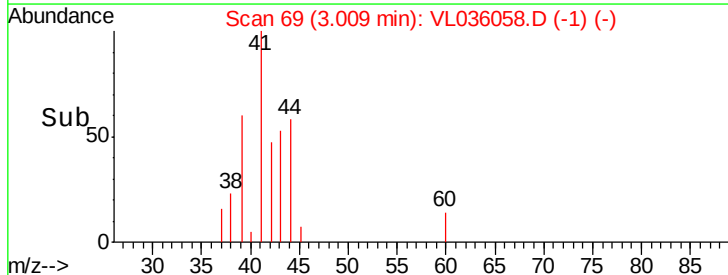
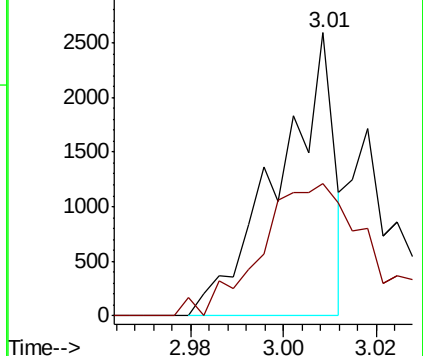
41 100

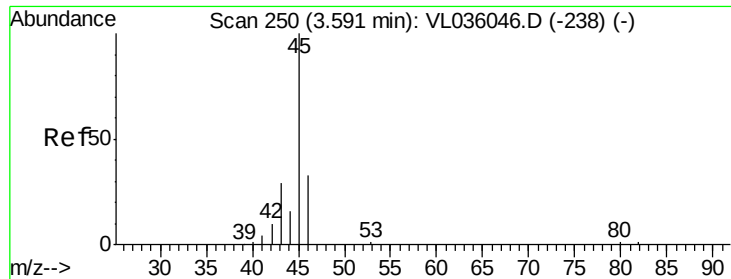
42 94.4 56.9 85.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

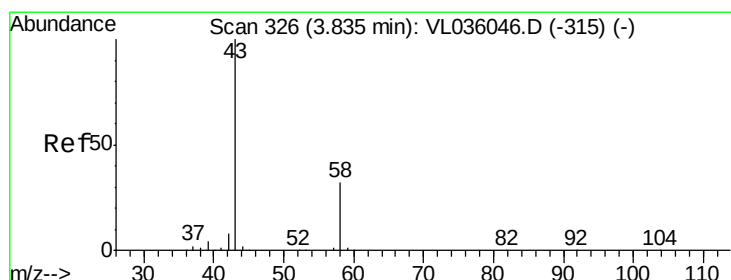
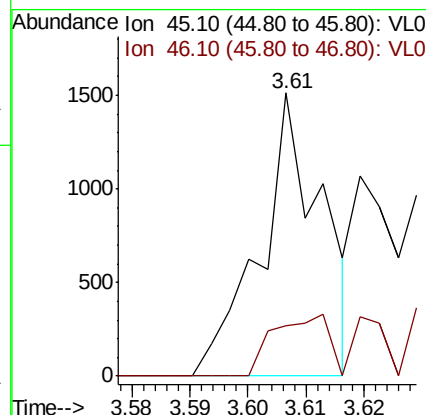
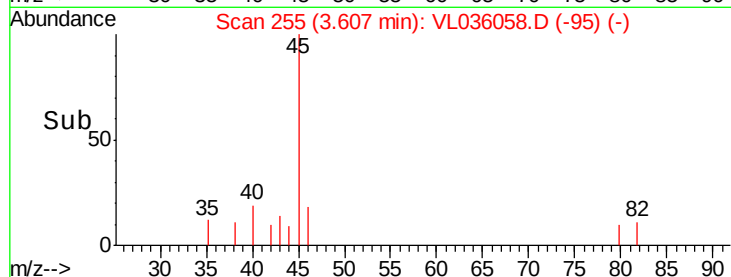
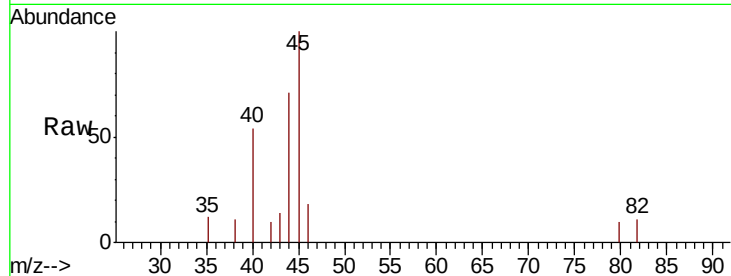




#13
Ethanol
Concen: 0.141 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.02 min
Lab File: VL036058.D
Acq: 3 Dec 2020 19:50

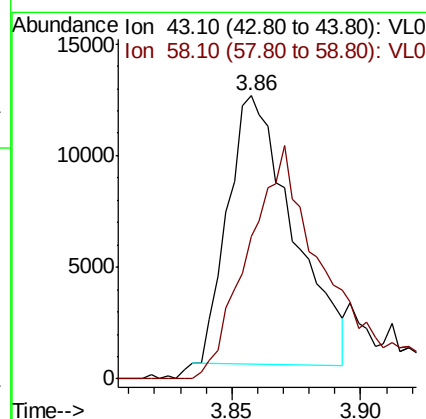
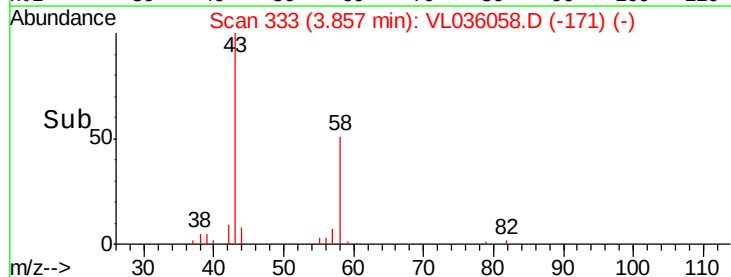
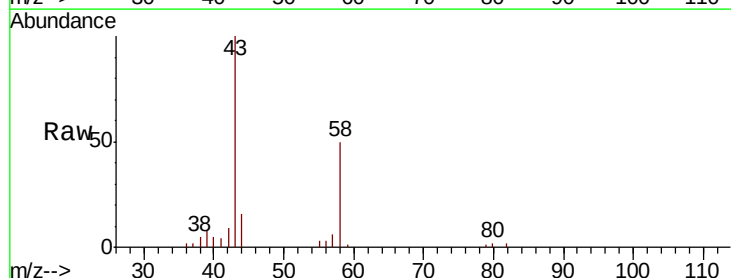
Instrument :
MSVOA_L
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QC113020 CAN 10597

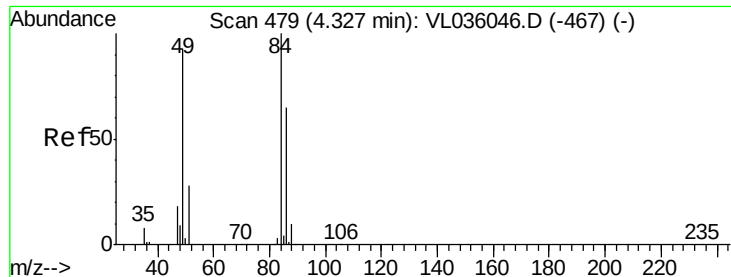
Tot Ion: 45 Resp: 1106
Ion Ratio Lower Upper
45 100
46 0.0 16.0 64.2#



#15
Acetone
Concen: 0.192 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL036058.D
Acq: 3 Dec 2020 19:50

Tgt Ion: 43 Resp: 21087
Ion Ratio Lower Upper
43 100
58 114.6 27.0 40.6#

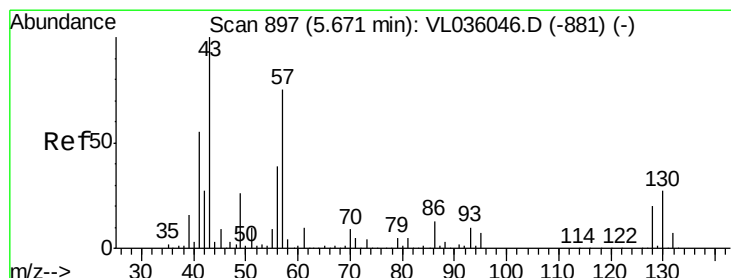
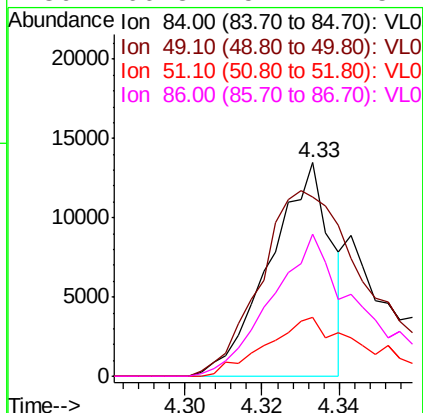
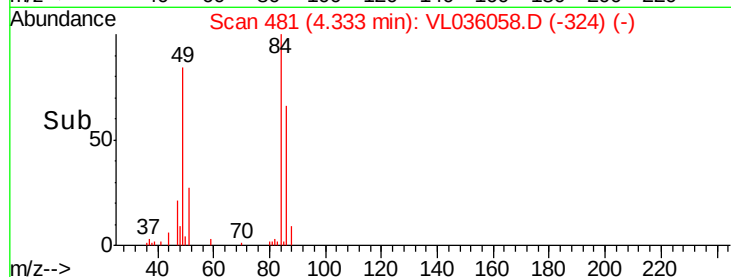
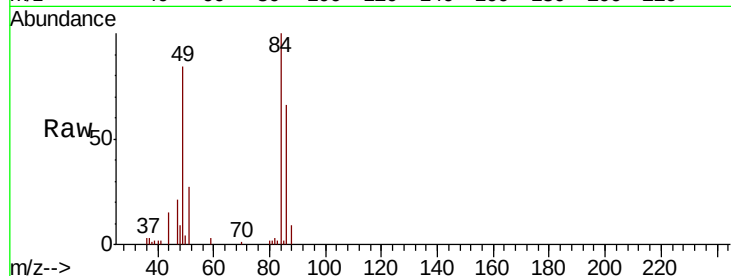




#20
Methvlene Chloride
Concen: 0.163 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036058.D
Acq: 3 Dec 2020 19:50

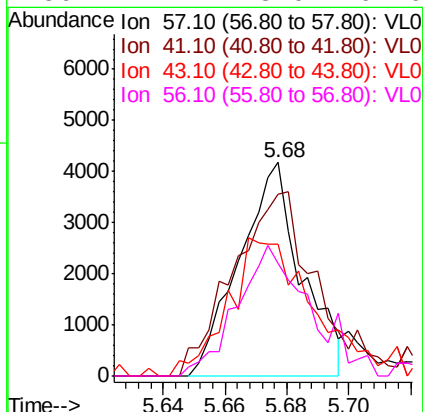
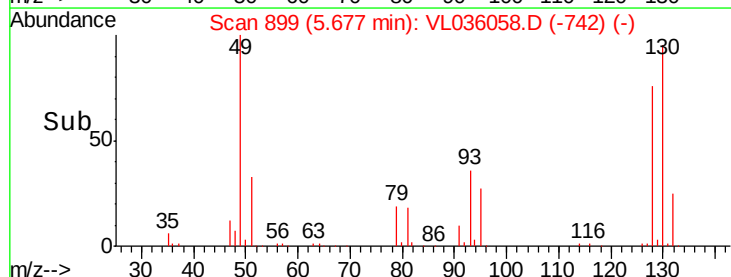
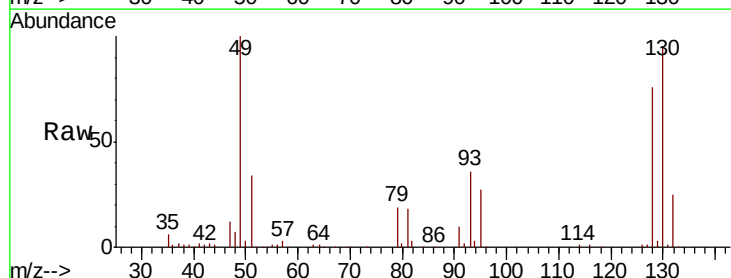
Instrument :
MSVOA_L
ClientSampleId :
QC113020 CAN 10597

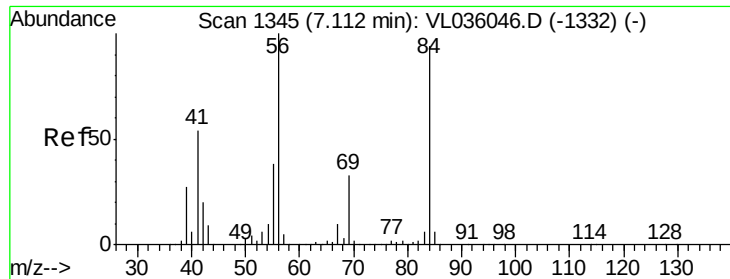
Tot Ion:	84	Resp:	14762
Ion	Ratio	Lower	Upper
84	100		
49	84.1	74.4	111.6
51	27.5	22.5	33.7
86	66.3	52.2	78.2



#26
Hexane
Concen: 0.051 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL036058.D
Acq: 3 Dec 2020 19:50

Tgt Ion:	57	Resp:	5844
Ion	Ratio	Lower	Upper
57	100		
41	122.4	61.6	92.4#
43	95.0	152.9	229.3#
56	74.7	43.0	64.6#

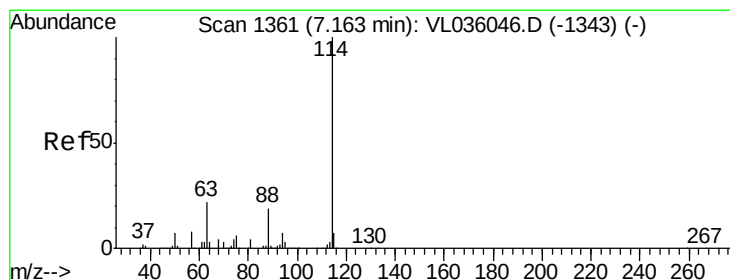
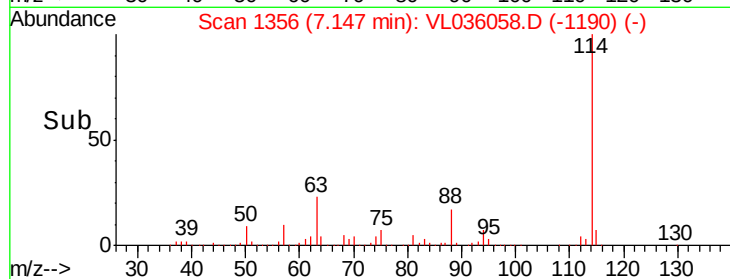
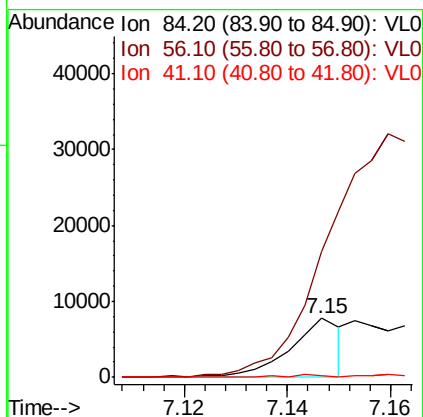
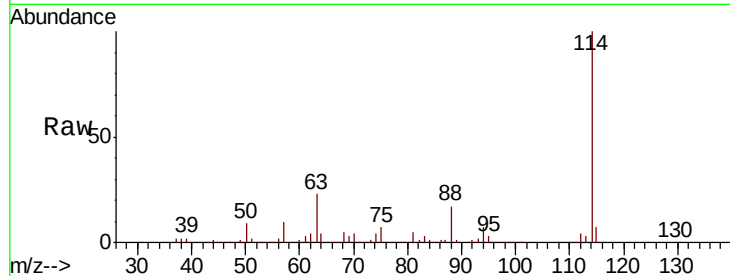




#30
Cyclohexane
Concen: 0.052 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.04 min
Lab File: VL036058.D
Acq: 3 Dec 2020 19:50

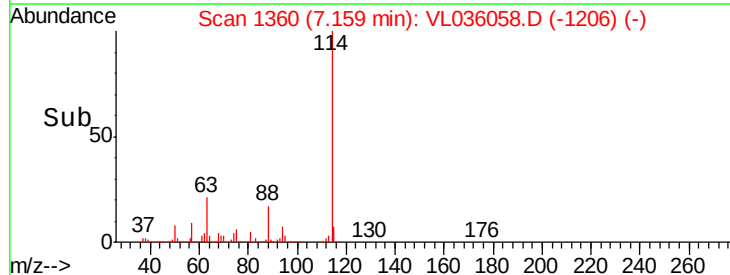
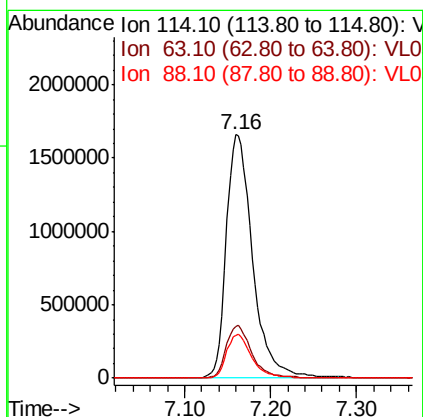
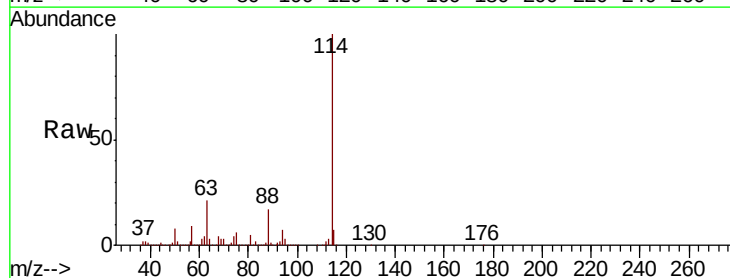
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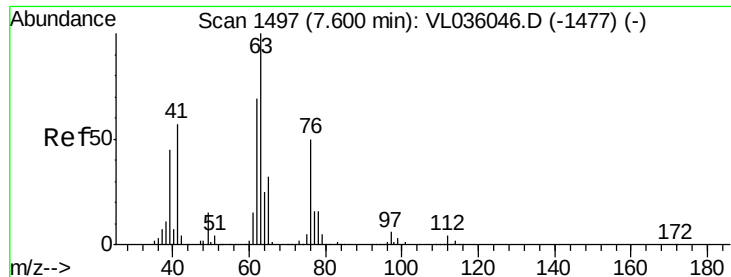
Tot Ion: 84 Resp: 5333
Ion Ratio Lower Upper
84 100
56 0.0 89.9 134.9#
41 0.0 46.1 69.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL036058.D
Acq: 3 Dec 2020 19:50

Tgt Ion: 114 Resp: 3531825
Ion Ratio Lower Upper
114 100
63 21.3 17.2 25.8
88 17.4 14.0 21.0

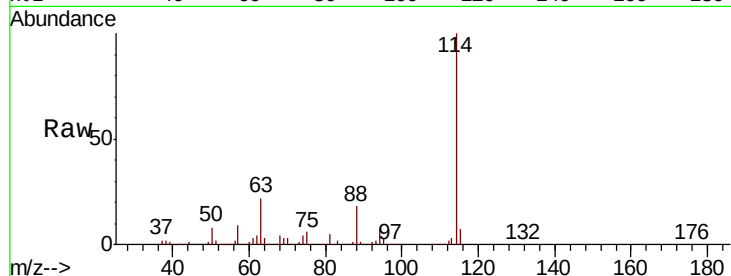




#39
 1,2-Dichloropropane
 Concen: 7.957 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.44 min
 Lab File: VL036058.D
 Acq: 3 Dec 2020 19:50

Instrument :
 MSVOA_L
 ClientSampleId :
 QC113020 CAN 10597

Tot Ion	63	Resp	732246
Ion Ratio	Lower	Upper	
63	100		
41	0.1	45.4	68.0#
62	16.5	55.3	82.9#

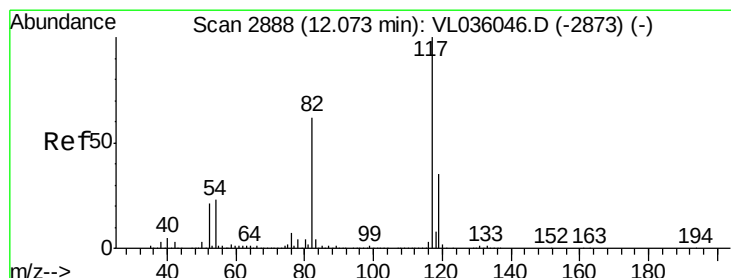
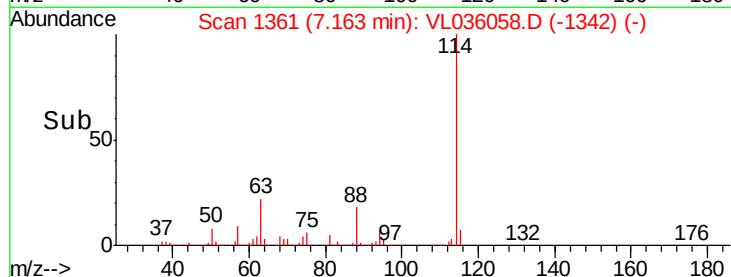
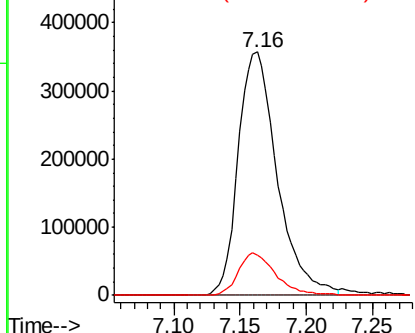


Abundance

Ion 63.10 (62.80 to 63.80): VL0

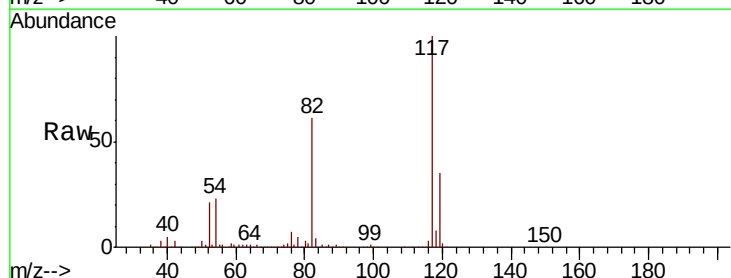
Ion 41.10 (40.80 to 41.80): VL0

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: VL036058.D
 Acq: 3 Dec 2020 19:50

Tgt Ion	117	Resp	3320129
Ion Ratio	Lower	Upper	
117	100		
82	62.3	49.9	74.9
119	33.8	28.7	43.1

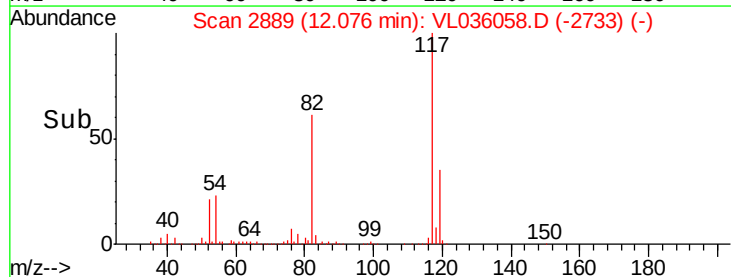
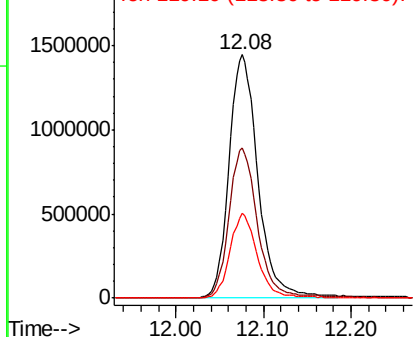


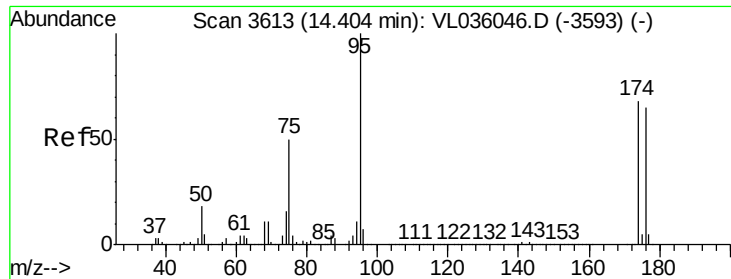
Abundance

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: 9.755 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.00 min

Lab File: VL036058.D

Acq: 3 Dec 2020 19:50

Instrument :

MSVOA_L

ClientSampleId :

QC113020 CAN 10597

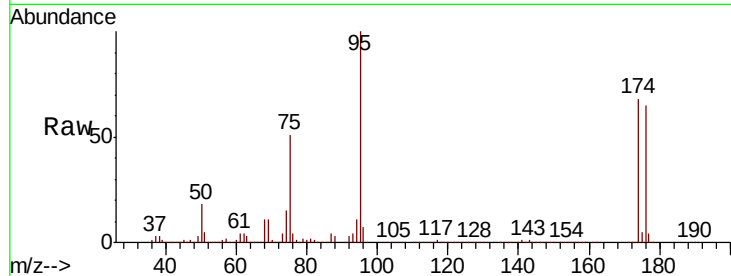
Tot Ion: 95 Resp: 2464549

Ion Ratio Lower Upper

95 100

174 70.6 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

