

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036256.D
 Acq On : 20 Jan 2021 21:21
 Operator : SY/AP
 Sample : OC123020 CAN 10599
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC123020 CAN 10599

Quant Time: Jan 21 01:36:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1408205	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2989694	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2614647	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2237398	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

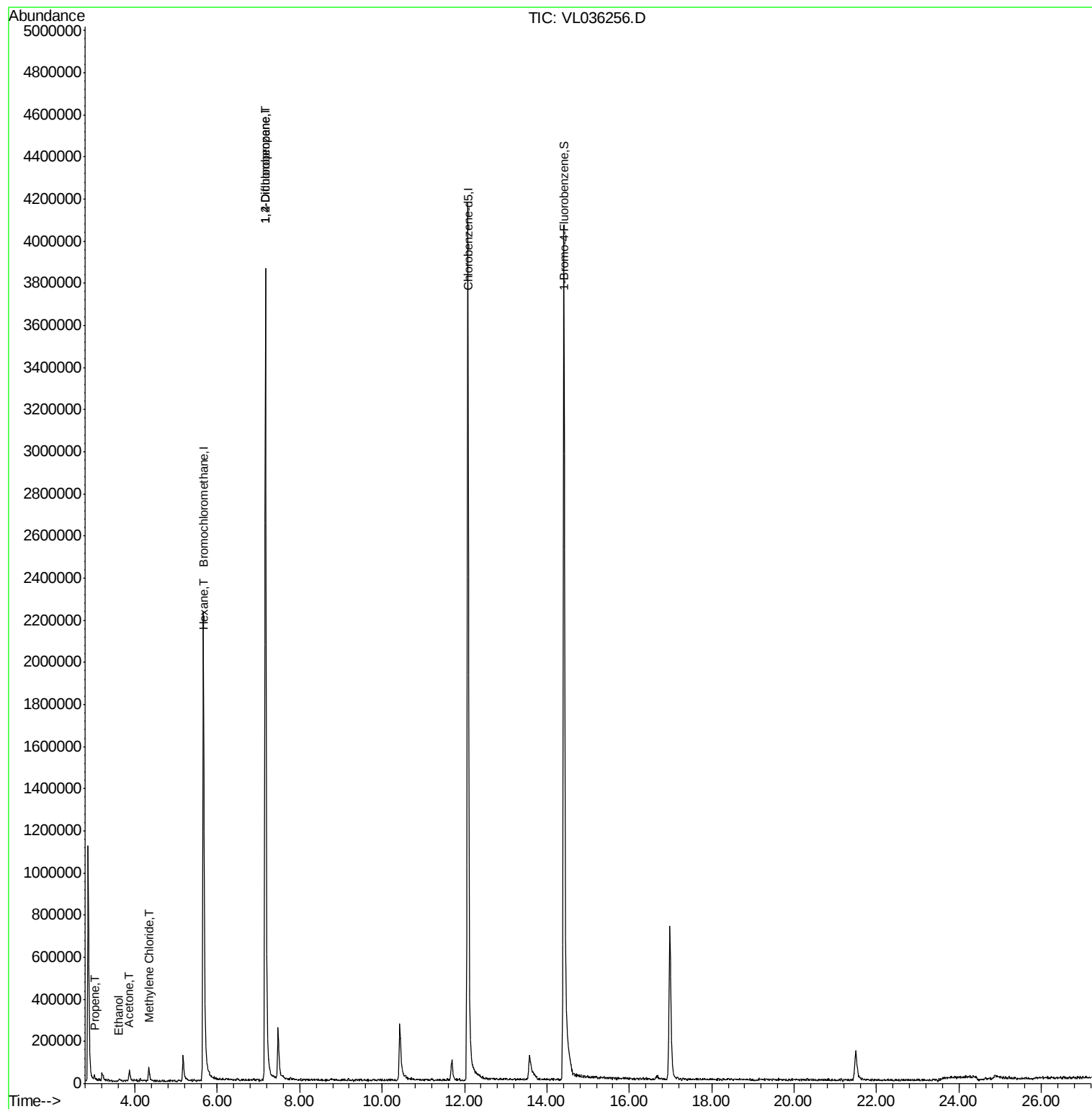
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	5604	0.068	ppbv #	79
13) Ethanol	3.60	45	471	0.036	ppbv #	29
15) Acetone	3.85	43	19058	0.111	ppbv #	49
20) Methylene Chloride	4.34	84	17308	0.314	ppbv	94
26) Hexane	5.68	57	7170	0.050	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	891850	8.019	ppbv #	22

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

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QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL036256.D

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MSVOA_L

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QC123020 CAN 10599

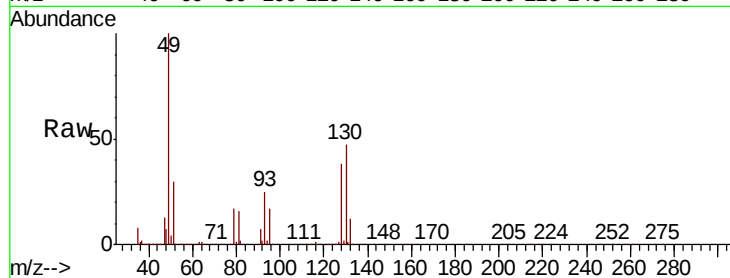
Tot Ion: 49 Resp: 1408205

Ion Ratio Lower Upper

49 100

128 40.5 20.1 60.2

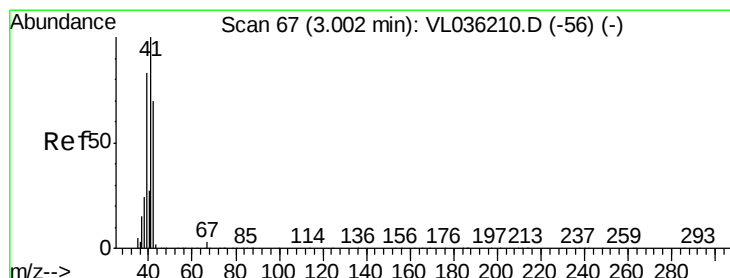
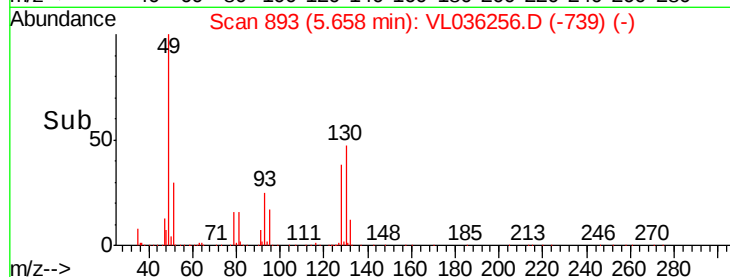
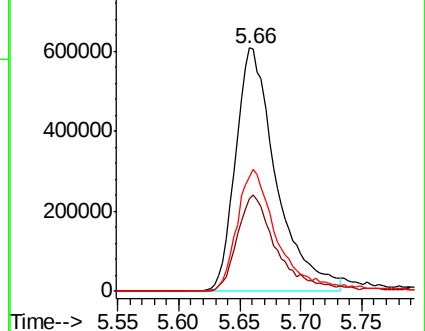
130 50.7 25.3 75.9



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: 0.068 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL036256.D

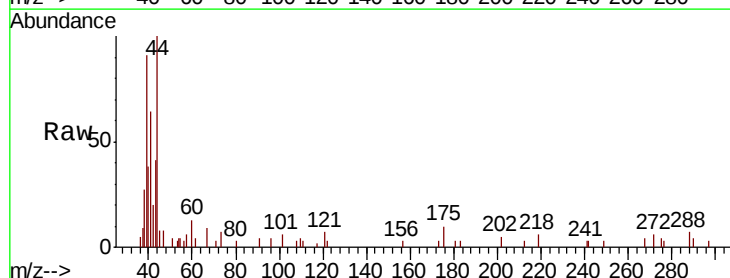
Acq: 20 Jan 2021 21:21

Tgt Ion: 41 Resp: 5604

Ion Ratio Lower Upper

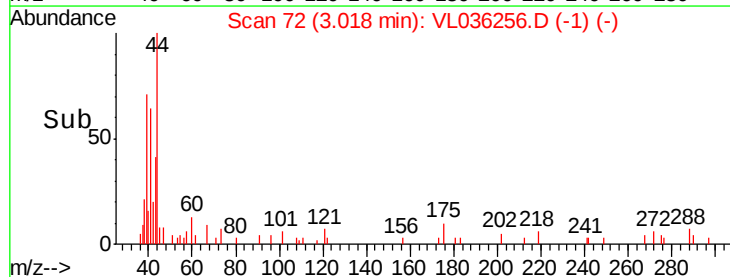
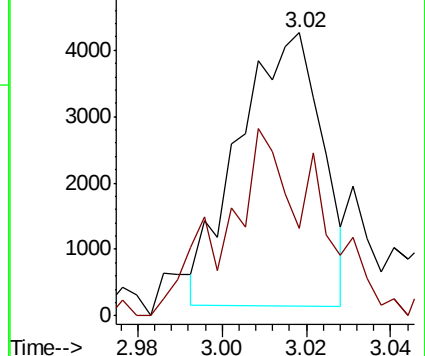
41 100

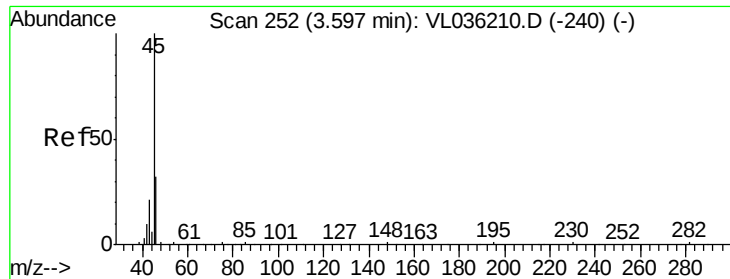
42 89.0 57.1 85.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.036 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL036256.D

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Instrument :

MSVOA_L

ClientSampleId :

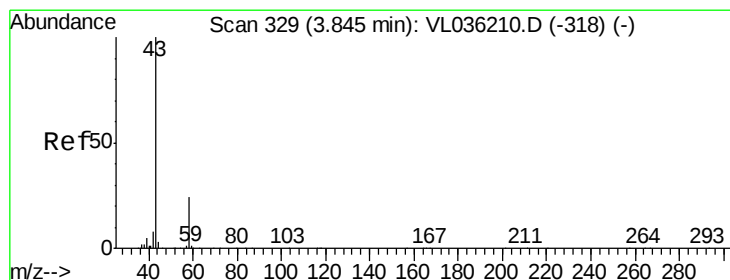
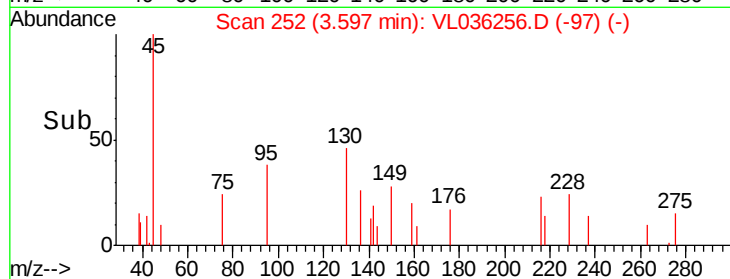
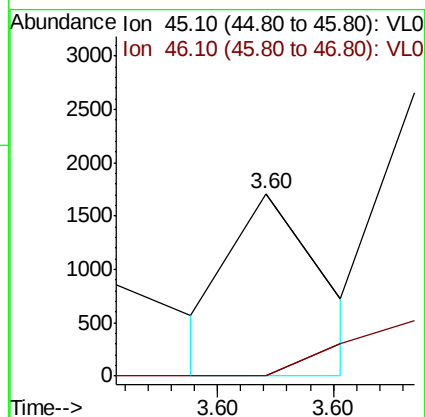
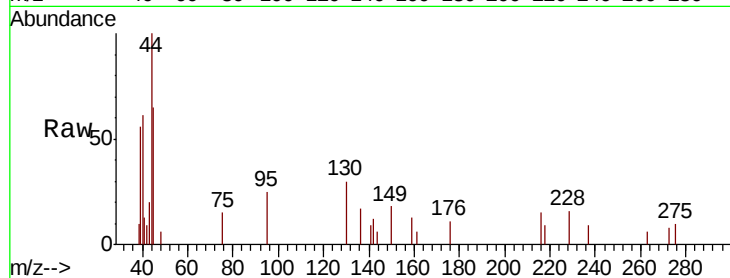
QC123020 CAN 10599

Tot Ion: 45 Resp: 471

Ion Ratio Lower Upper

45 100

46 0.0 19.2 77.0#



#15

Acetone

Concen: 0.111 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL036256.D

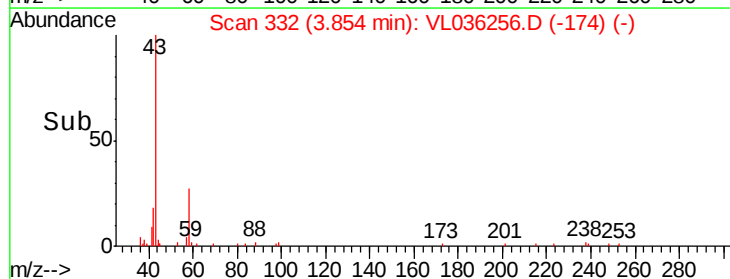
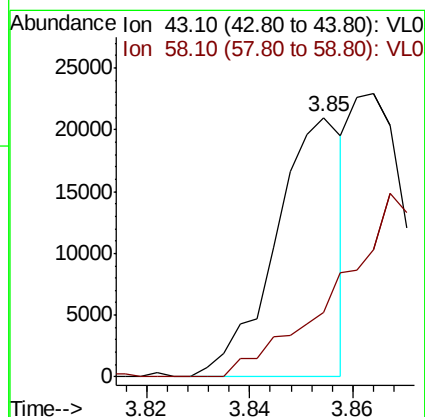
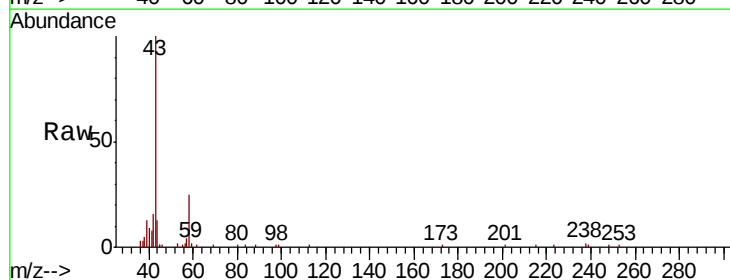
Acq: 20 Jan 2021 21:21

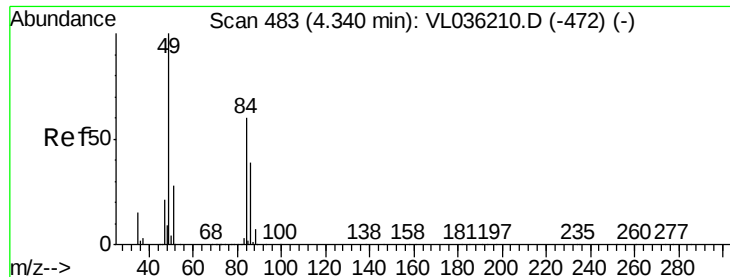
Tgt Ion: 43 Resp: 19058

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#

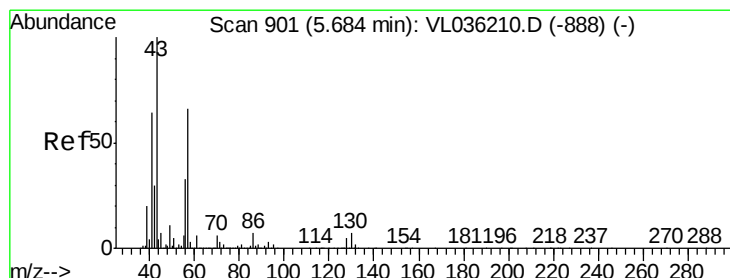
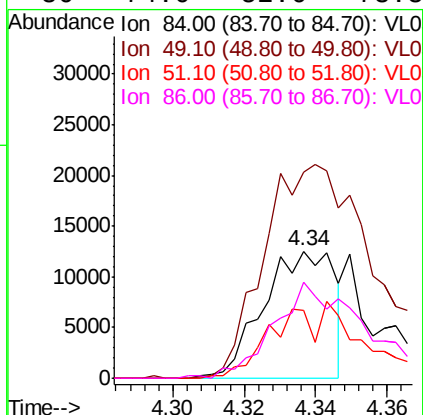
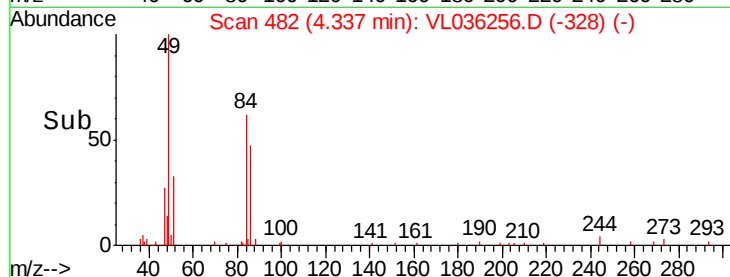
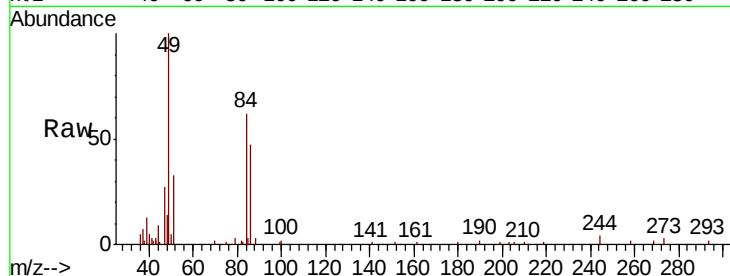




#20
Methvlene Chloride
Concen: 0.314 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL036256.D
Acq: 20 Jan 2021 21:21

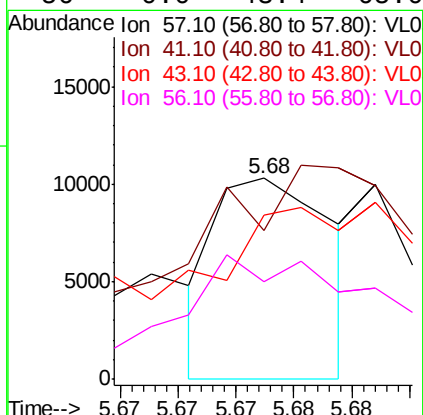
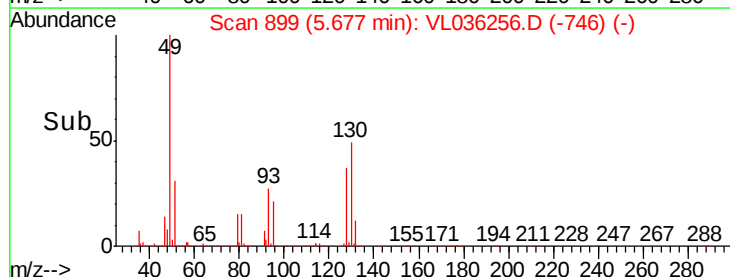
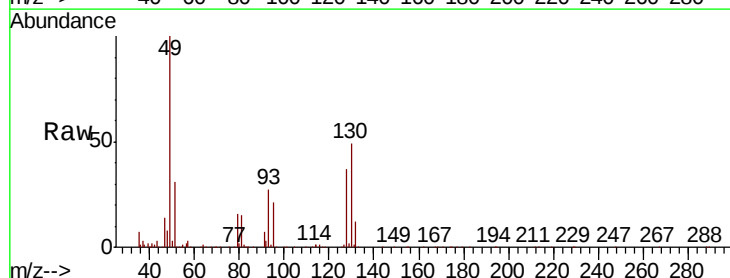
Instrument :
MSVOA_L
ClientSampleId :
QC123020 CAN 10599

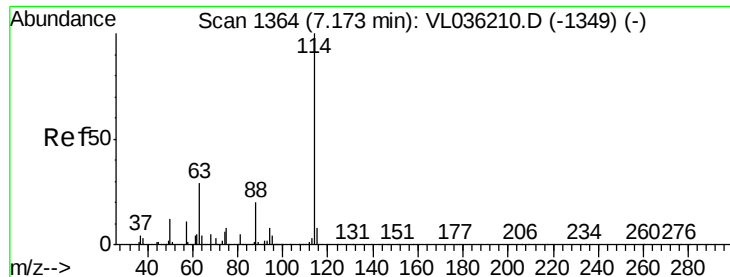
Tot Ion:	84	Resp:	17308
Ion	Ratio	Lower	Upper
84	100		
49	162.1	134.1	201.1
51	53.1	37.4	56.0
86	74.0	52.6	78.8



#26
Hexane
Concen: 0.050 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036256.D
Acq: 20 Jan 2021 21:21

Tgt Ion:	57	Resp:	7170
Ion	Ratio	Lower	Upper
57	100		
41	277.7	83.0	124.6#
43	0.0	202.4	303.6#
56	0.0	43.4	65.0#

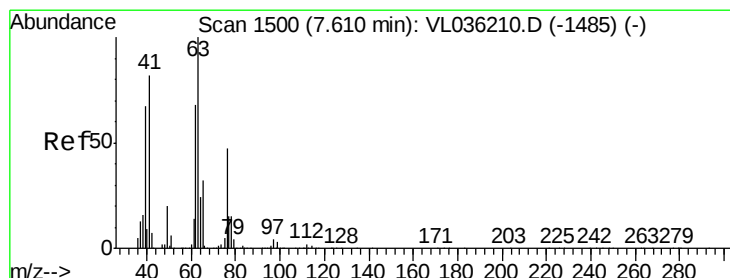
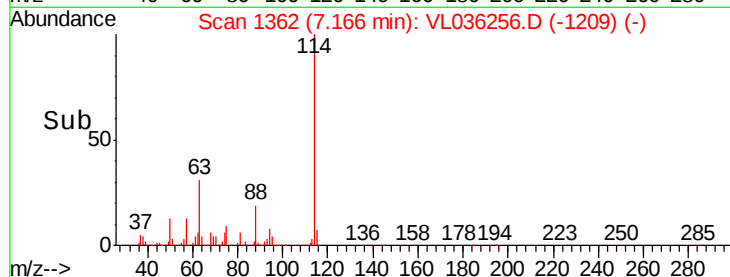
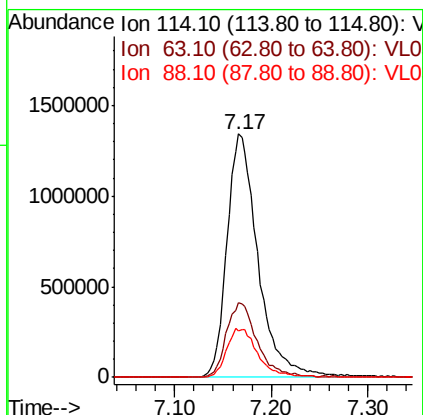
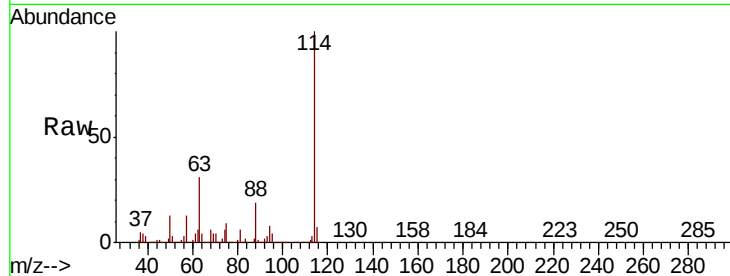




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036256.D
 Acq: 20 Jan 2021 21:21

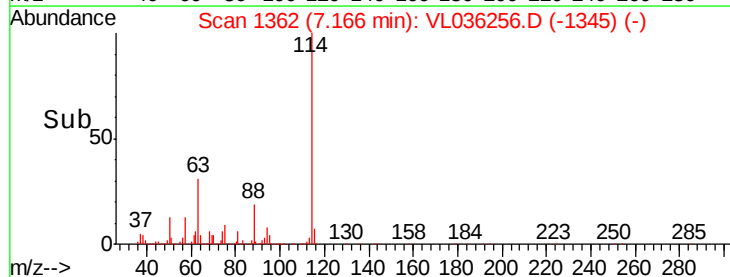
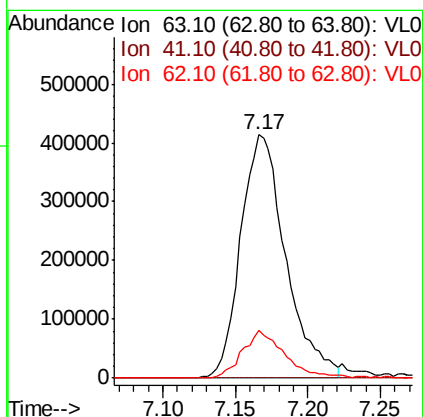
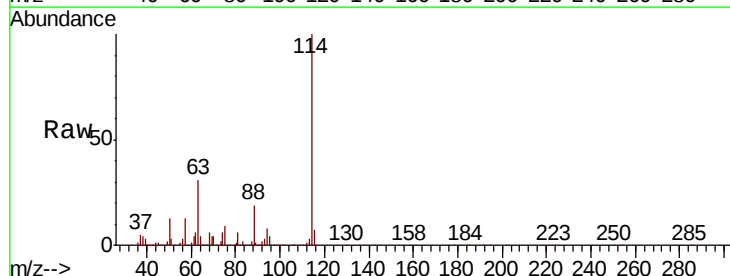
Instrument :
 MSVOA_L
 ClientSampleId :
 QC123020 CAN 10599

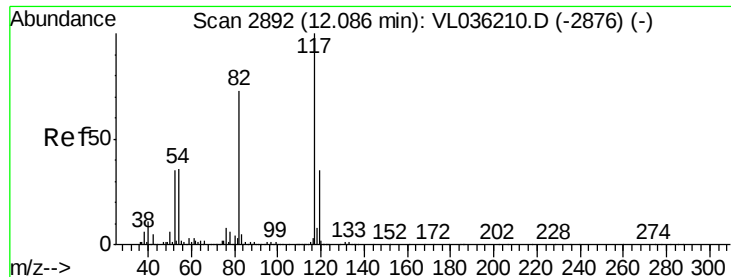
Tot Ion:114 Resp: 2989694
 Ion Ratio Lower Upper
 114 100
 63 31.0 24.7 37.1
 88 20.5 16.6 24.8



#39
 1,2-Dichloropropane
 Concen: 8.019 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.44 min
 Lab File: VL036256.D
 Acq: 20 Jan 2021 21:21

Tgt Ion: 63 Resp: 891850
 Ion Ratio Lower Upper
 63 100
 41 0.1 66.1 99.1#
 62 19.4 54.8 82.2#

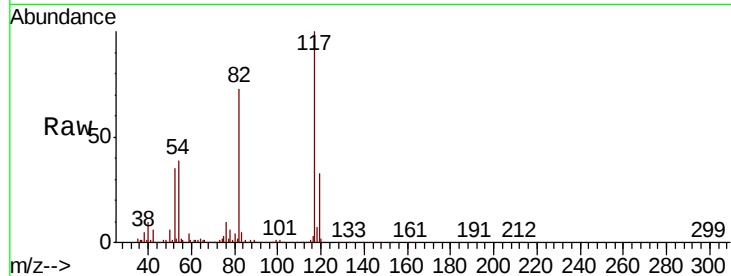




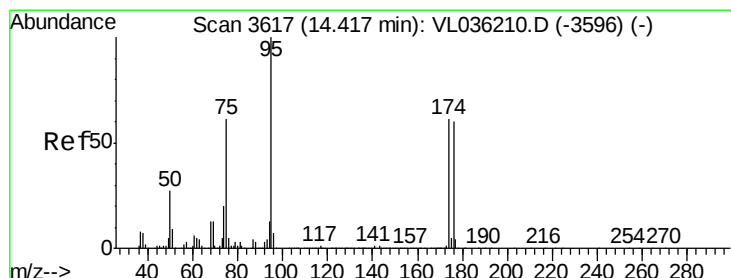
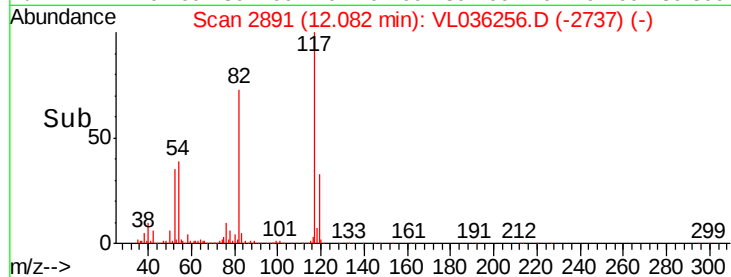
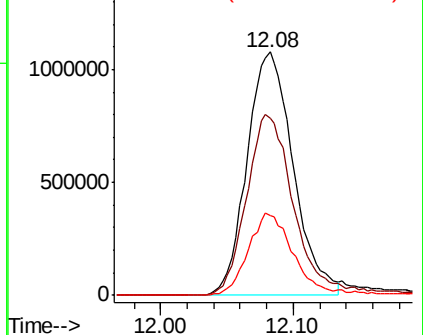
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036256.D
Acq: 20 Jan 2021 21:21

Instrument :
MSVOA_L
ClientSampleId :
QC123020 CAN 10599

Tot Ion:117 Resp: 2614647
Ion Ratio Lower Upper
117 100
82 78.1 59.7 89.5
119 34.0 28.6 43.0

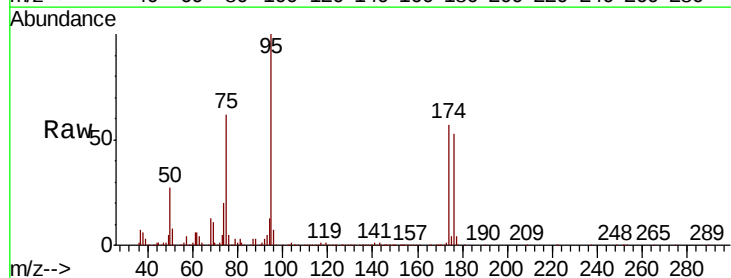


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.338 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.00 min
Lab File: VL036256.D
Acq: 20 Jan 2021 21:21

Tgt Ion: 95 Resp: 2237398
Ion Ratio Lower Upper
95 100
174 62.0 49.4 74.0
175 4.6 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

