

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036264.D
 Acq On : 22 Jan 2021 13:13
 Operator : SY/AP
 Sample : OC122320 CAN 10448
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC122320 CAN 10448

Quant Time: Jan 23 04:34:54 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	5.69	49	1604241	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	0.00	114	0	0.00	ppbv	-7.17
55) Chlorobenzene-d5	12.11	117	3022771	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2481699	9.92	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

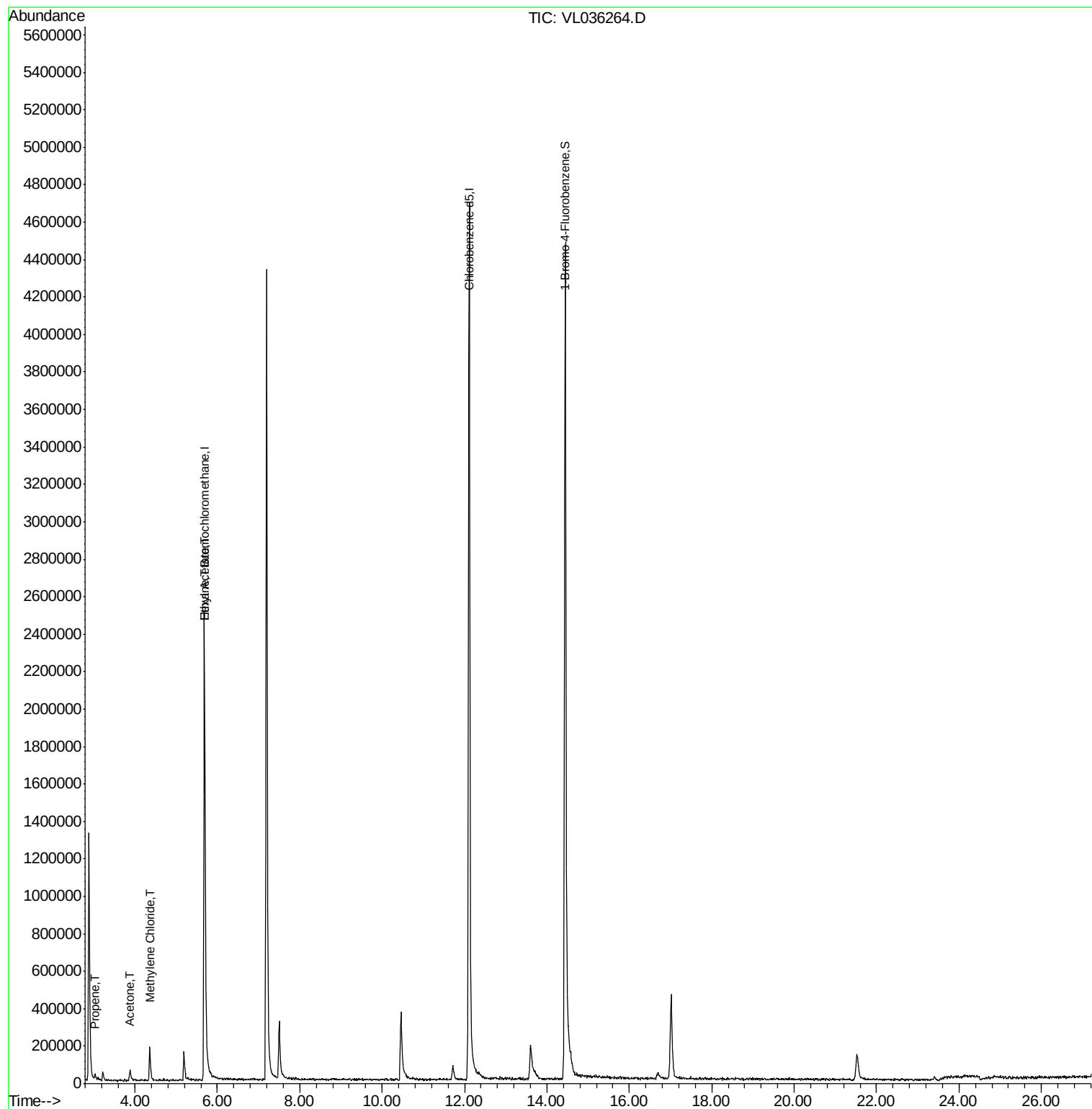
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	2878	0.031	ppbv #	14
15) Acetone	3.87	43	18555	0.094	ppbv #	49
20) Methylene Chloride	4.36	84	65355	1.042	ppbv #	86
25) Ethyl Acetate	5.70	43	21314	0.054	ppbv #	84
26) Hexane	5.70	57	54474	0.332	ppbv #	35

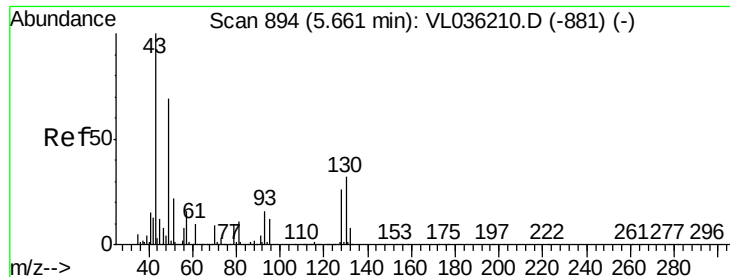
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL036264.D

Acq: 22 Jan 2021 13:13

Instrument :

MSVOA_L

ClientSampleId :

QC122320 CAN 10448

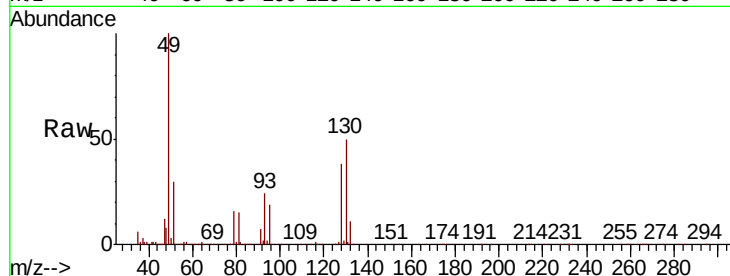
Tot Ion: 49 Resp: 1604241

Ion Ratio Lower Upper

49 100

128 38.5 20.1 60.2

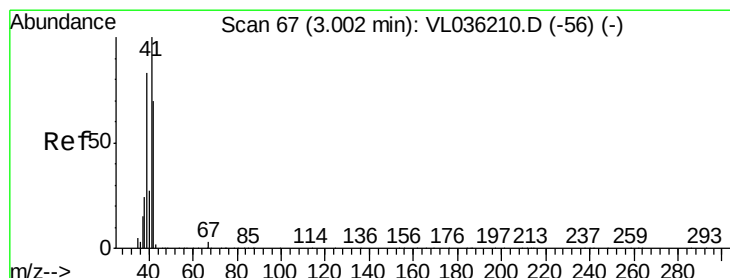
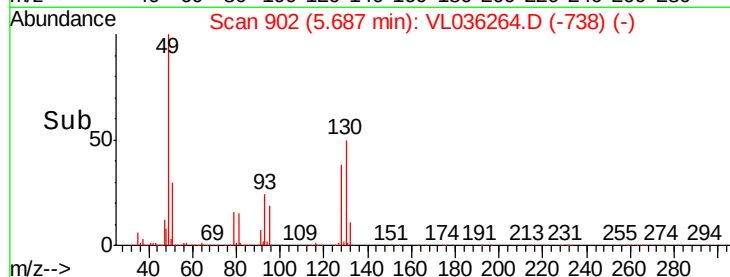
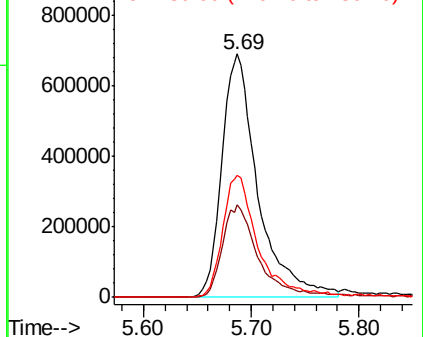
130 51.0 25.3 75.9



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: 0.031 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL036264.D

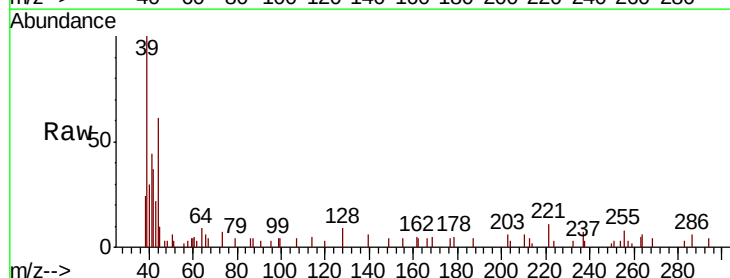
Acq: 22 Jan 2021 13:13

Tgt Ion: 41 Resp: 2878

Ion Ratio Lower Upper

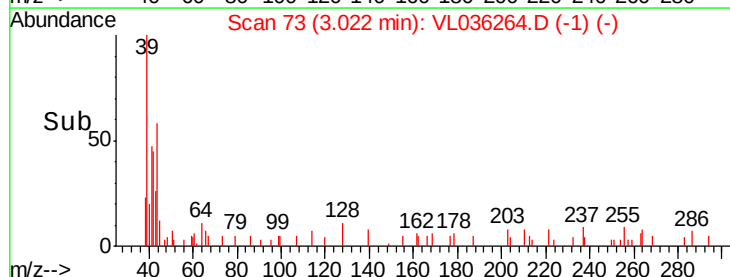
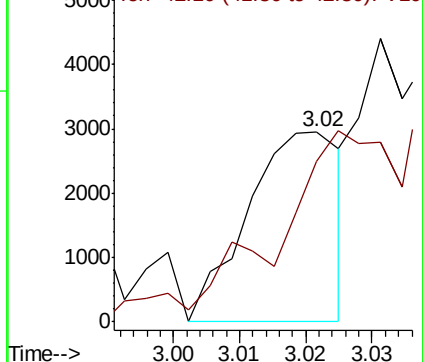
41 100

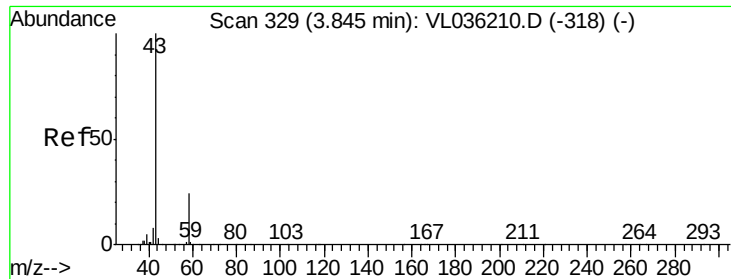
42 0.0 57.1 85.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

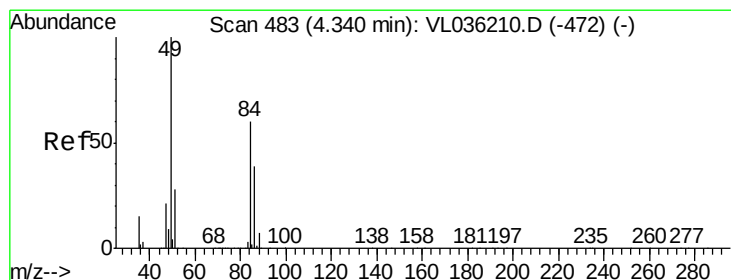
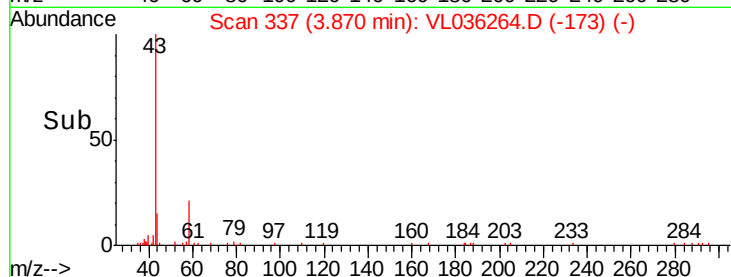
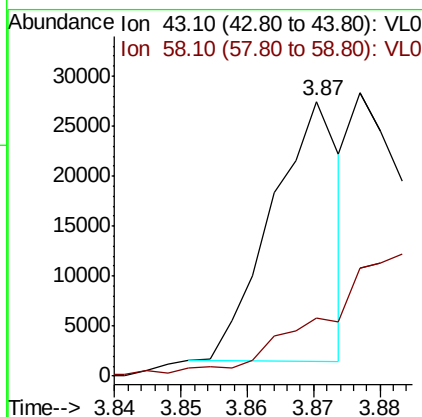
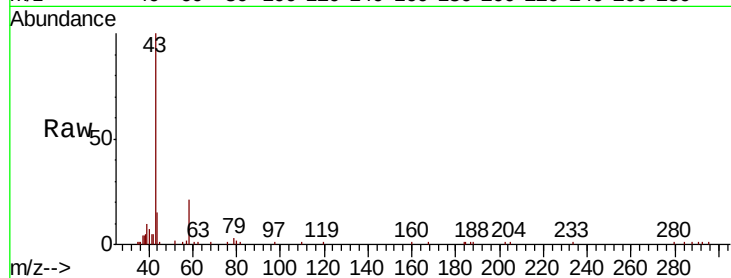




#15
Acetone
Concen: 0.094 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.03 min
Lab File: VL036264.D
Acq: 22 Jan 2021 13:13

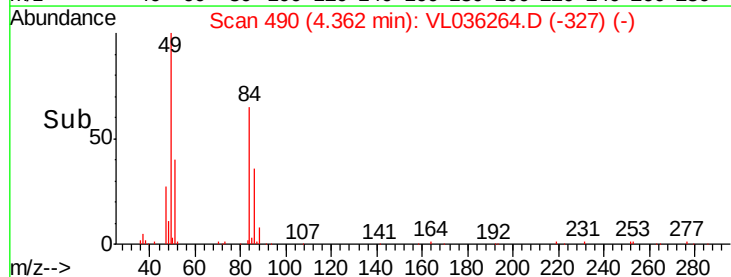
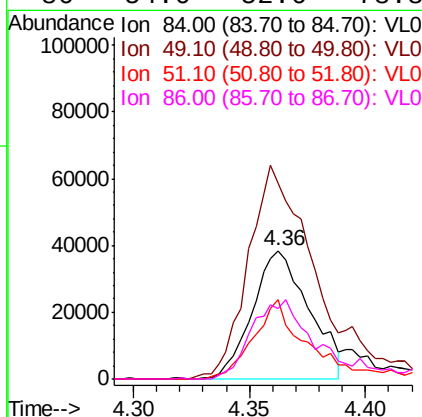
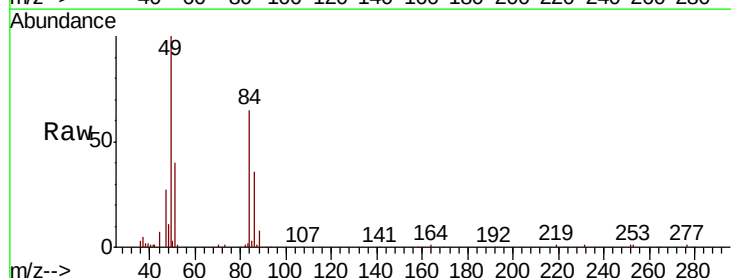
Instrument :
MSVOA_L
ClientSampleId :
QC122320 CAN 10448

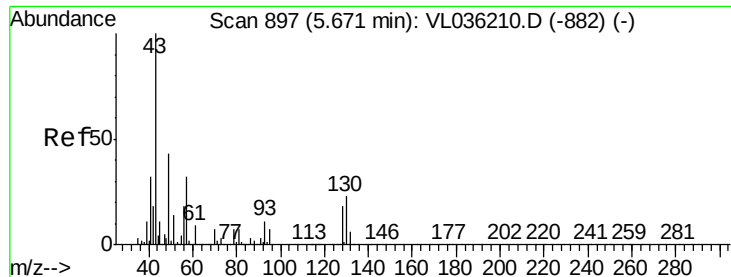
Tot Ion: 43 Resp: 18555
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 1.042 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.02 min
Lab File: VL036264.D
Acq: 22 Jan 2021 13:13

Tgt Ion: 84 Resp: 65355
Ion Ratio Lower Upper
84 100
49 152.8 134.1 201.1
51 61.5 37.4 56.0#
86 54.6 52.6 78.8





#25

Ethyl Acetate

Concen: 0.054 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.03 min

Lab File: VL036264.D

Acq: 22 Jan 2021 13:13

Instrument :

MSVOA_L

ClientSampleId :

QC122320 CAN 10448

Tot Ion: 43 Resp: 21314

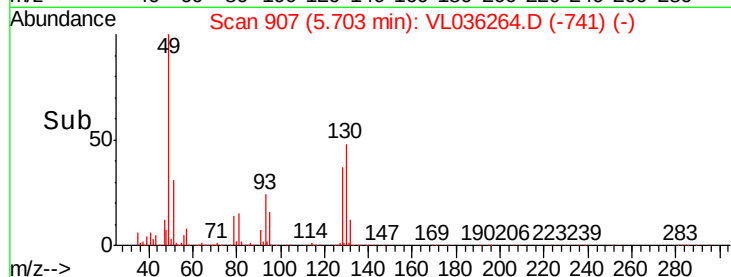
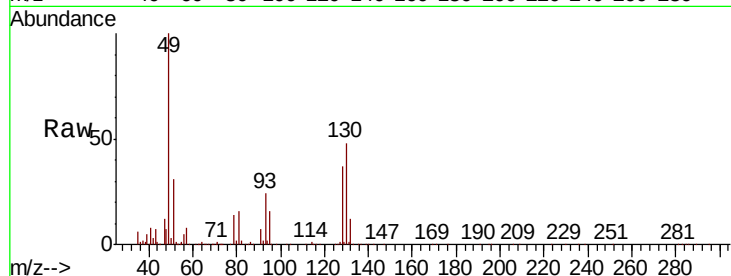
Ion Ratio Lower Upper

43 100

45 6.8 8.3 12.5#

61 2.4 7.4 11.2#

70 0.0 5.5 8.3#

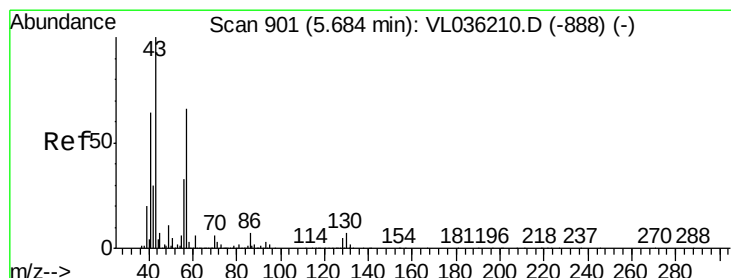
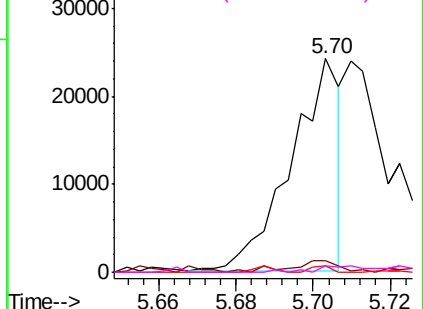


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.332 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.02 min

Lab File: VL036264.D

Acq: 22 Jan 2021 13:13

Tgt Ion: 57 Resp: 54474

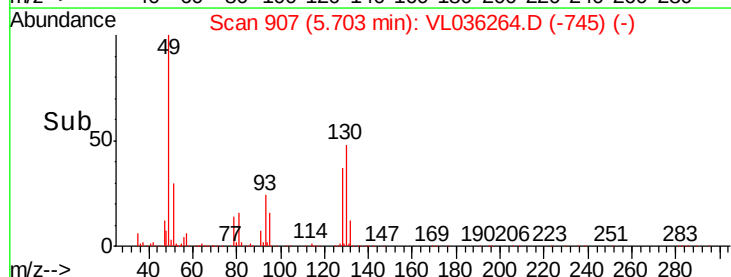
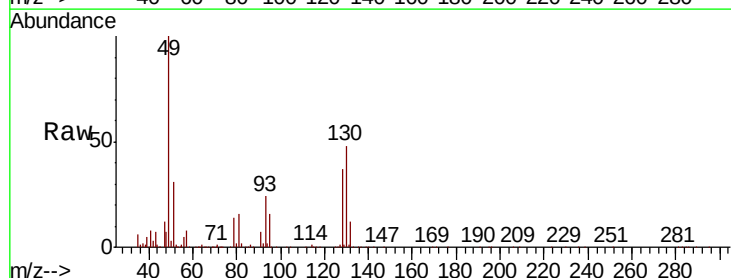
Ion Ratio Lower Upper

57 100

41 124.1 83.0 124.6

43 88.4 202.4 303.6#

56 65.2 43.4 65.0#

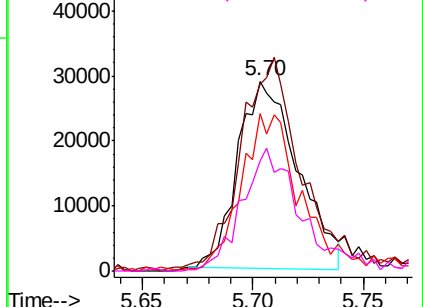


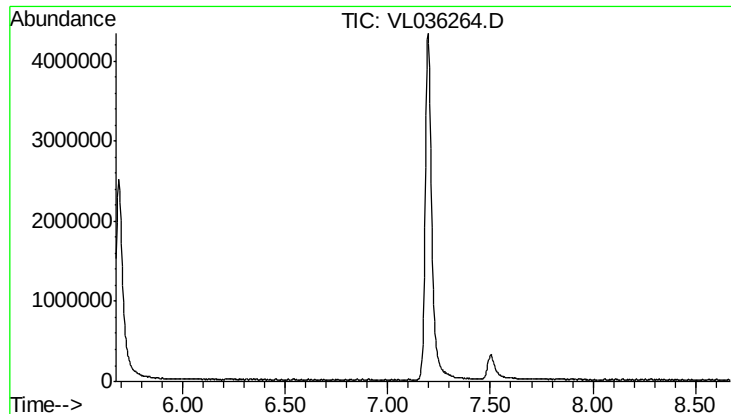
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

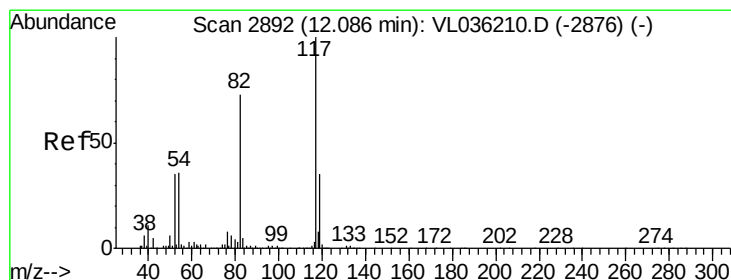
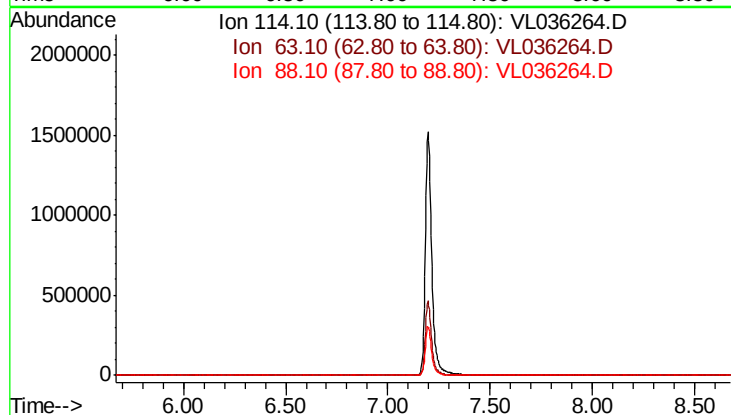




#33
 1,4-Difluorobenzene
 Concen: 0.000 ppbv
 Expected RT: 7.17 min
 Lab File: VL036264.D
 Acq: 22 Jan 2021 13:13

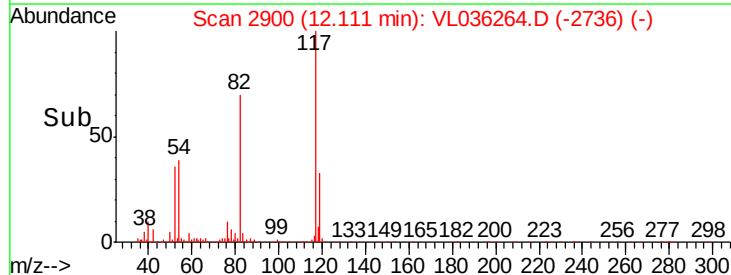
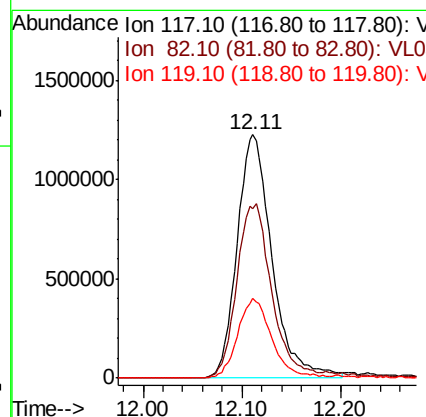
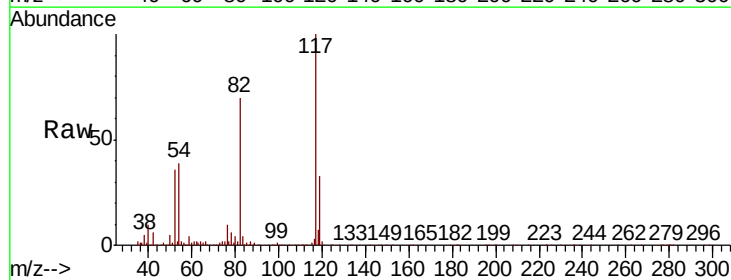
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 QC122320 CAN 10448

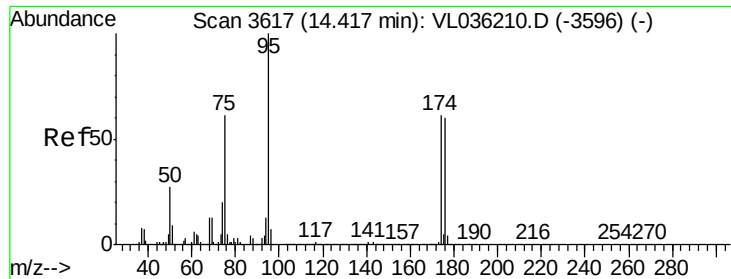
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 30.9
 88 20.7



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T. 0.03 min
 Lab File: VL036264.D
 Acq: 22 Jan 2021 13:13

Tgt Ion: 117 Resp: 3022771
 Ion Ratio Lower Upper
 117 100
 82 75.1 59.7 89.5
 119 33.5 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.919 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.03 min

Lab File: VL036264.D

Acq: 22 Jan 2021 13:13

Instrument :

MSVOA_L

ClientSampleId :

QC122320 CAN 10448

Tot Ion: 95 Resp: 2481699

Ion Ratio Lower Upper

95 100

174 62.6 49.4 74.0

175 4.4 3.8 5.8

