

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035712.D
 Acq On : 23 Sep 2020 9:47
 Operator : SY/AP
 Sample : VL0923ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABL01

Quant Time: Sep 24 08:34:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1195601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4417552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4481865	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3347573	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

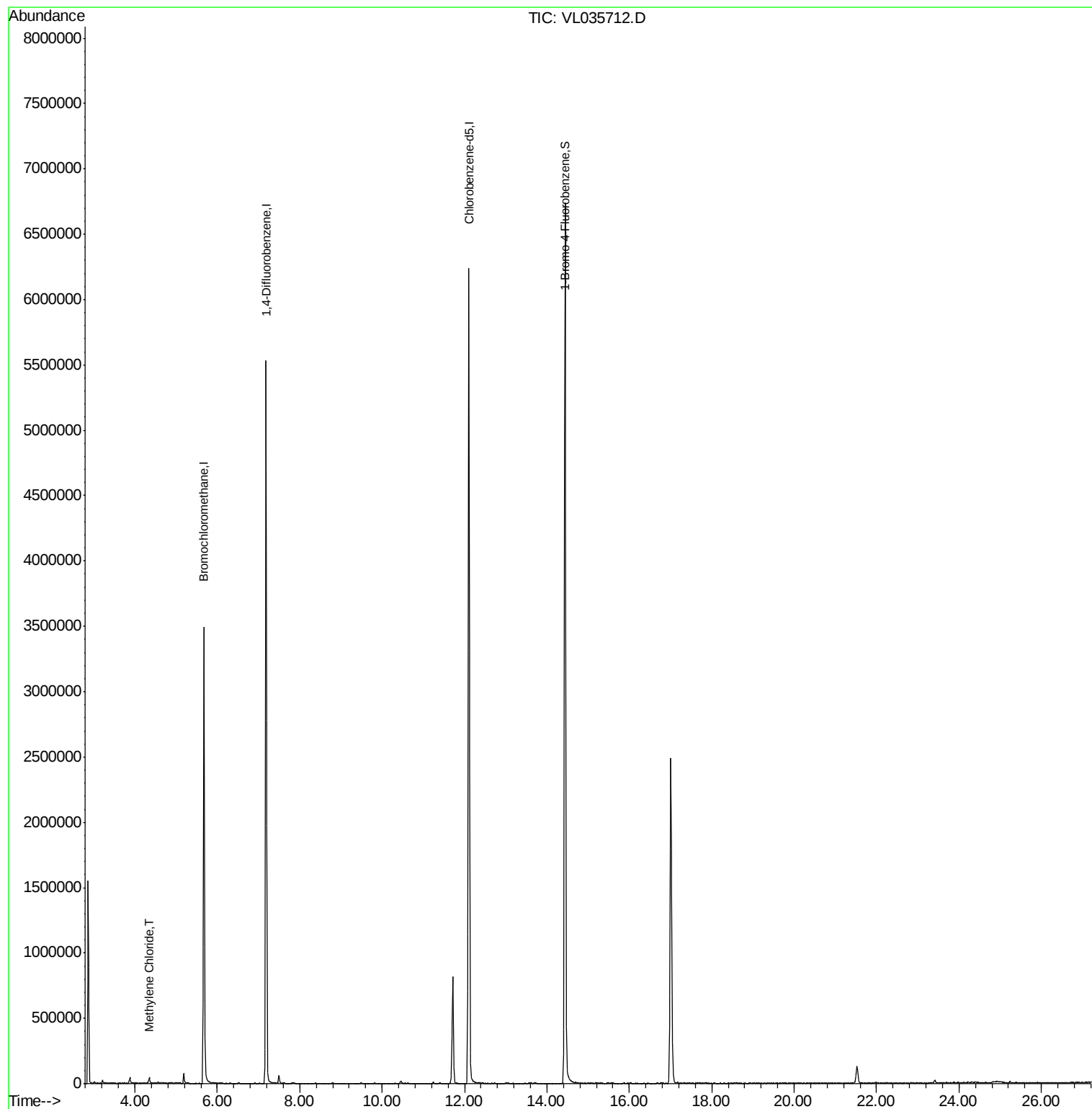
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.35	84	19987	0.212	ppbv	95

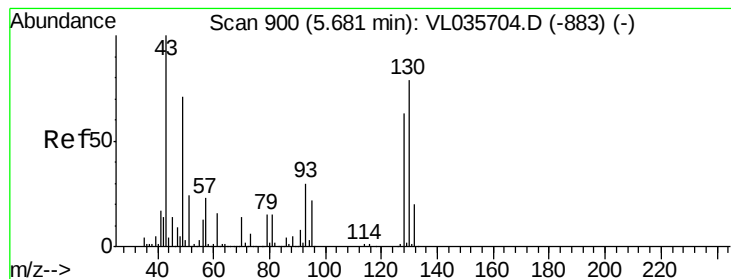
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VL0923ABL01

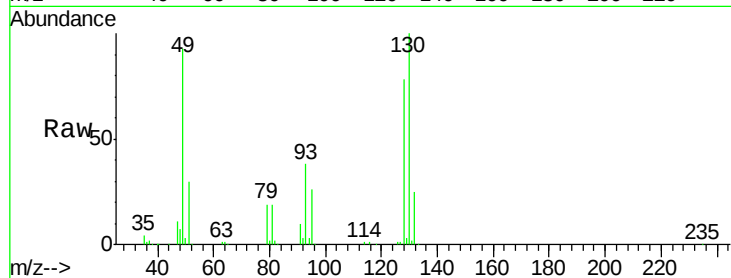
Tot Ion: 49 Resp: 1195601

Ion Ratio Lower Upper

49 100

128 84.9 43.1 129.4

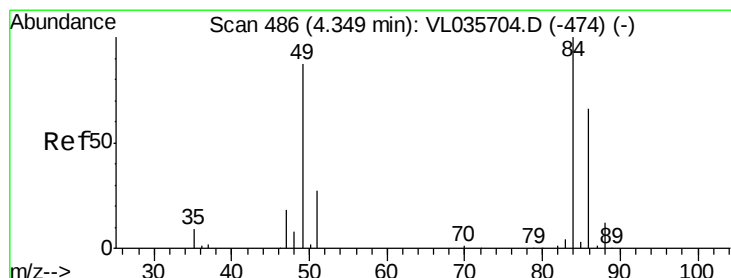
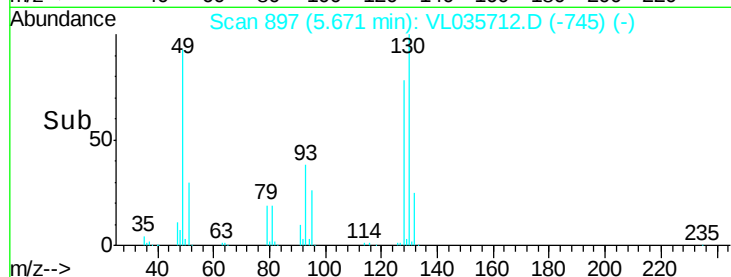
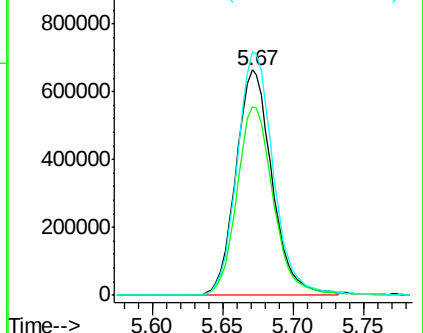
130 109.3 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.212 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035712.D

Acq: 23 Sep 2020 9:47

Tgt Ion: 84 Resp: 19987

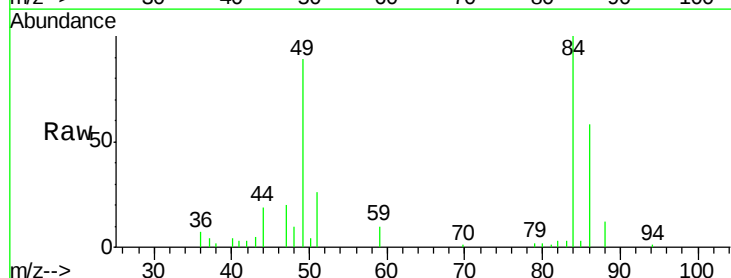
Ion Ratio Lower Upper

84 100

49 89.8 69.8 104.6

51 26.7 21.8 32.8

86 58.8 52.6 78.8

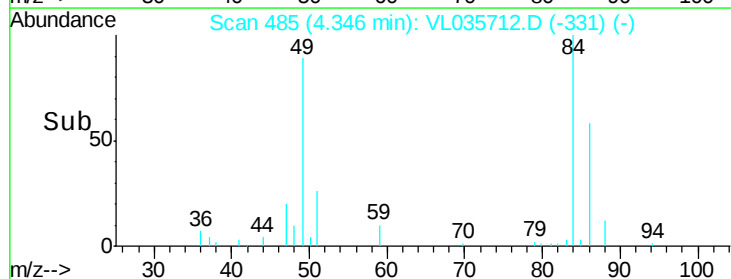
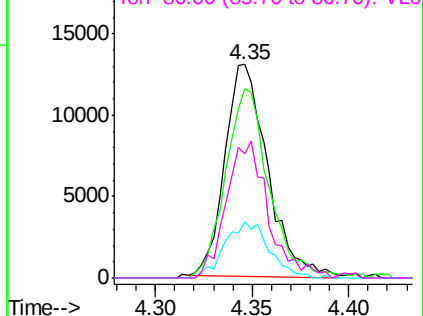


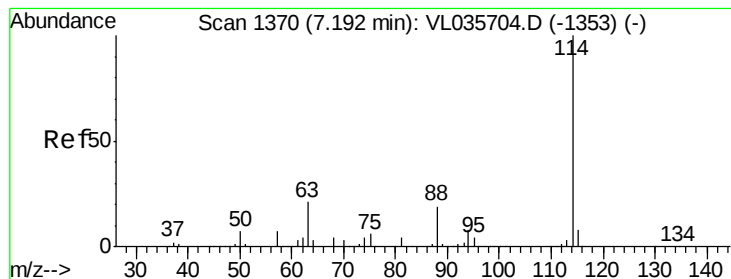
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.01 min

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VL0923ABL01

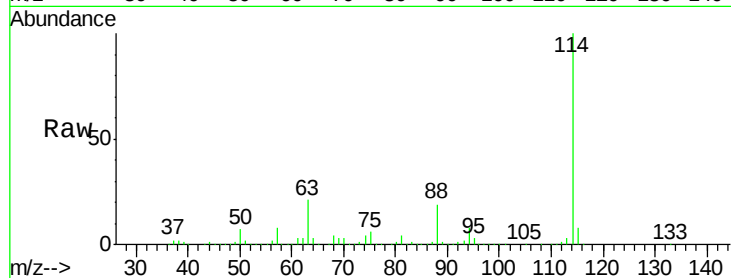
Tot Ion:114 Resp: 4417552

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

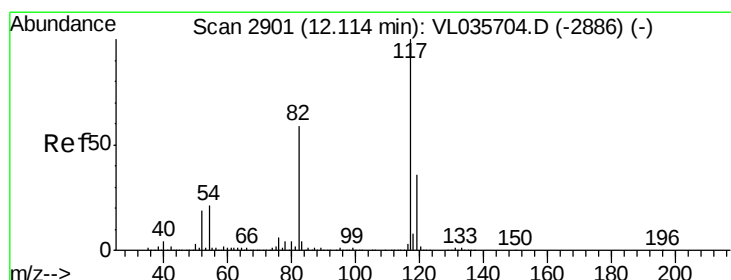
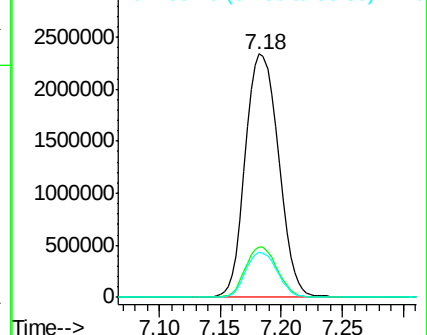
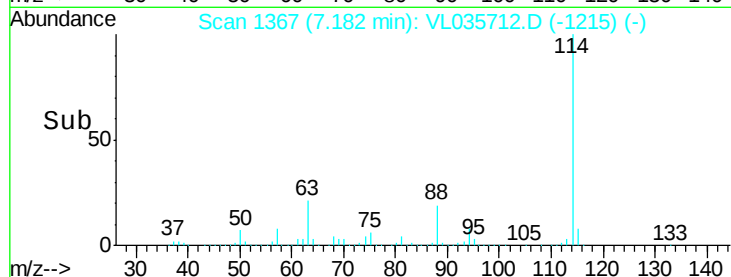
88 17.5 14.1 21.1



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035712.D

Acq: 23 Sep 2020 9:47

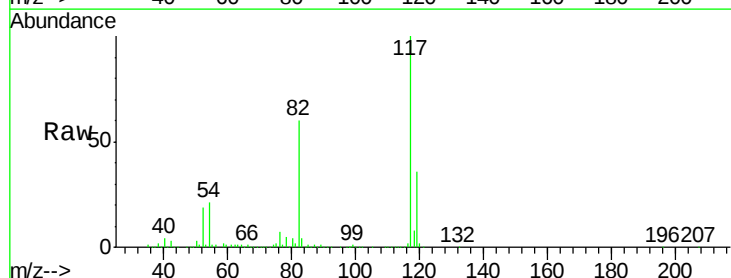
Tgt Ion:117 Resp: 4481865

Ion Ratio Lower Upper

117 100

82 58.8 46.1 69.1

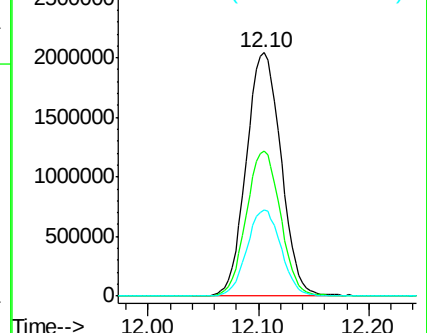
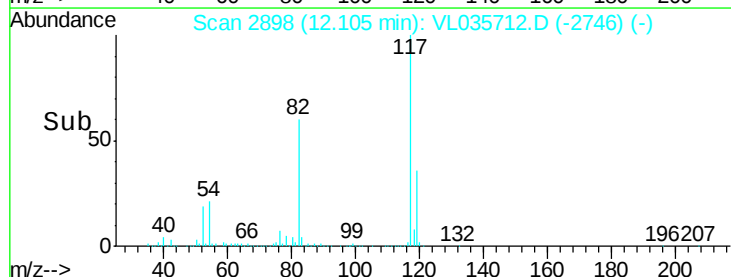
119 34.9 28.0 42.0

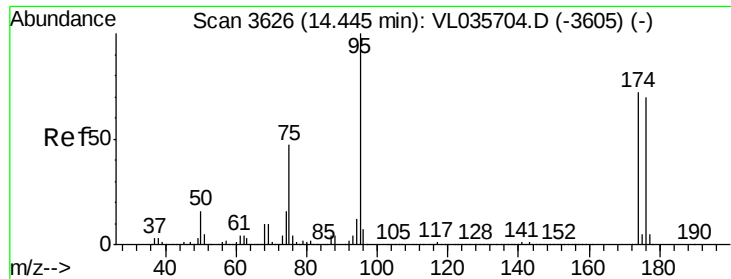


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.968 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

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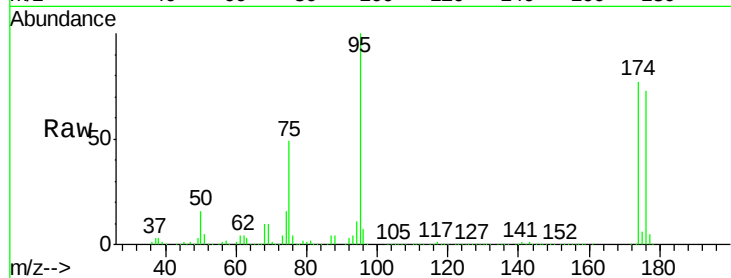
Tot Ion: 95 Resp: 3347573

Ion Ratio Lower Upper

95 100

174 76.7 59.6 89.4

175 5.6 4.2 6.4



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

