

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036809.D
 Acq On : 13 Apr 2021 18:53
 Operator : SY/AP
 Sample : M2018-01DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG1DL2

Quant Time: Apr 14 09:23:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1336730	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3261687	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2546171	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1630825	8.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

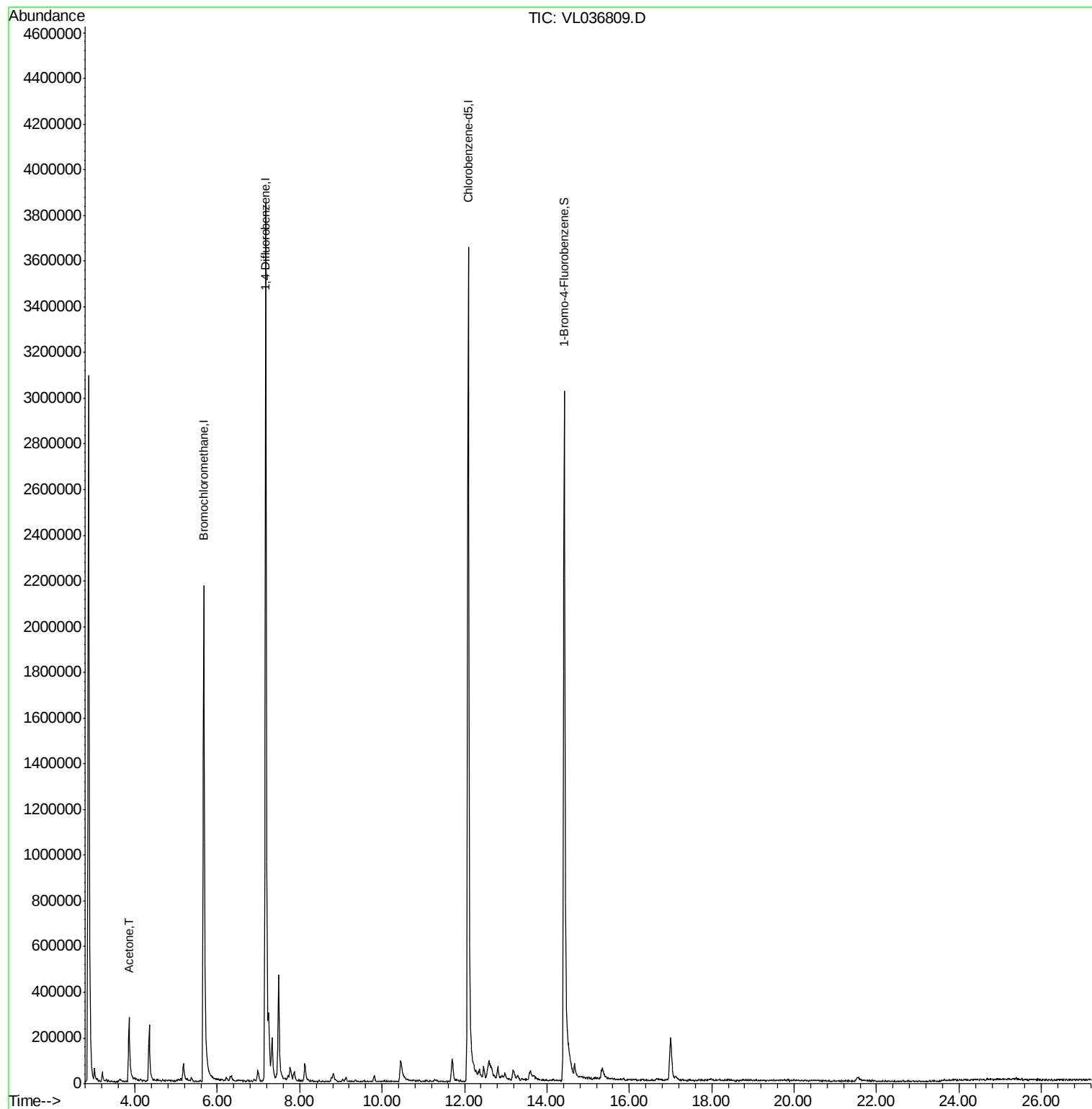
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	390539	2.968	ppbv	90

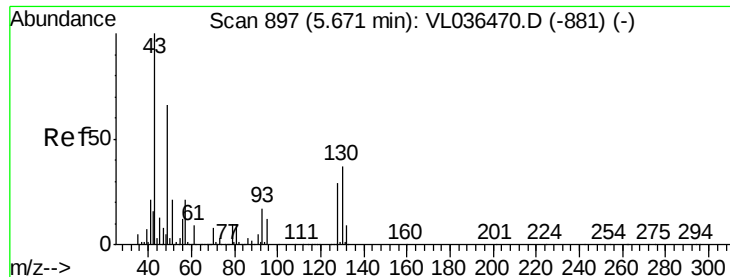
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Apr 2021 18:55 SG1DL2

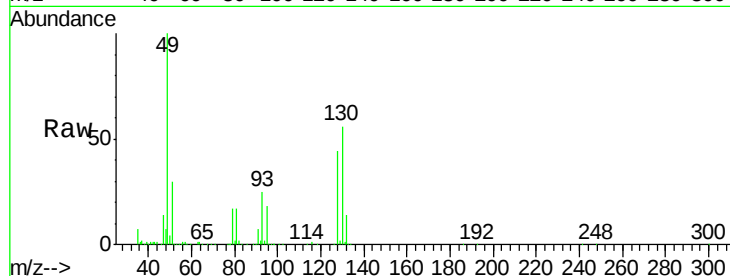
Tot Ion: 49 Resp: 1336730

Ion Ratio Lower Upper

49 100

128 46.7 23.5 70.6

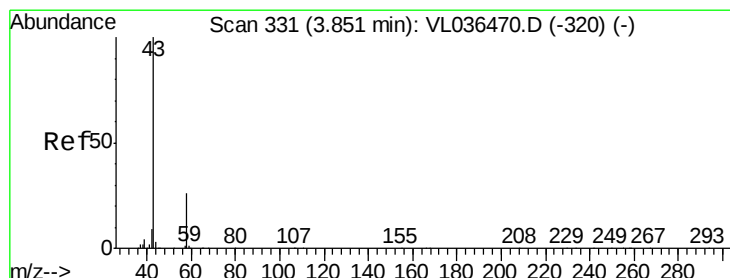
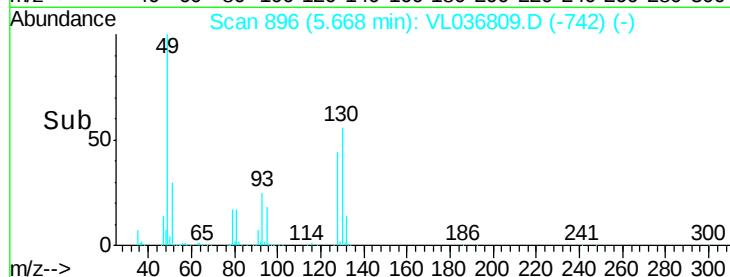
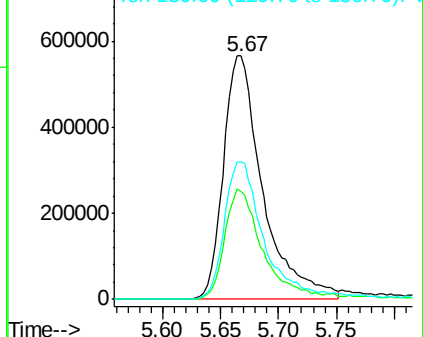
130 58.1 29.1 87.4



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



#15

Acetone

Concen: 2.968 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL036809.D

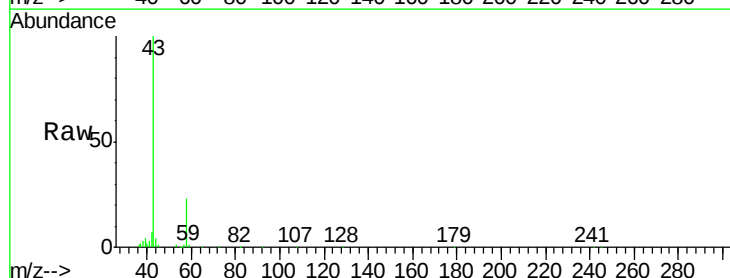
Acq: 13 Apr 2021 18:53

Tgt Ion: 43 Resp: 390539

Ion Ratio Lower Upper

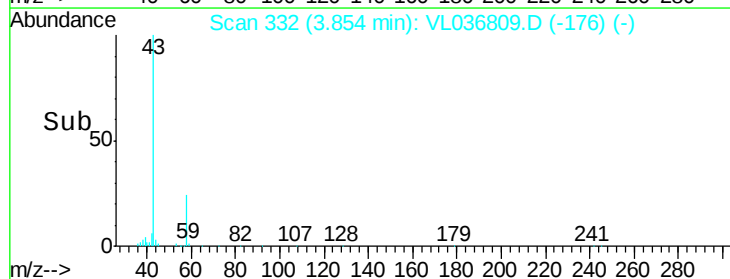
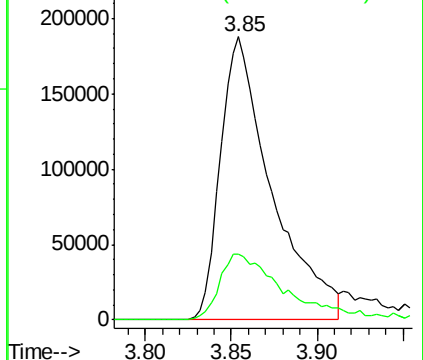
43 100

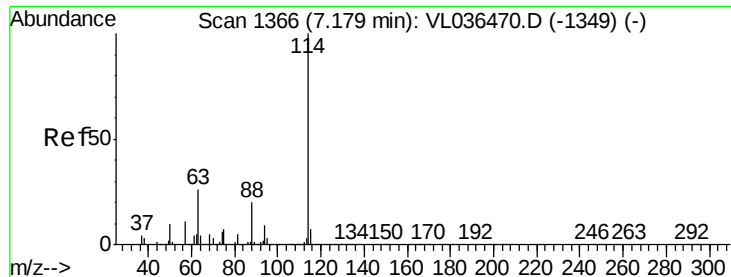
58 31.5 21.2 31.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SG1DL2

Acq: 13 Apr 2021 18:55

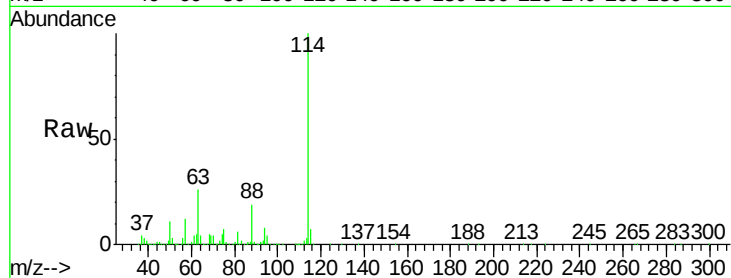
Tot Ion:114 Resp: 3261687

Ion Ratio Lower Upper

114 100

63 26.7 22.4 33.6

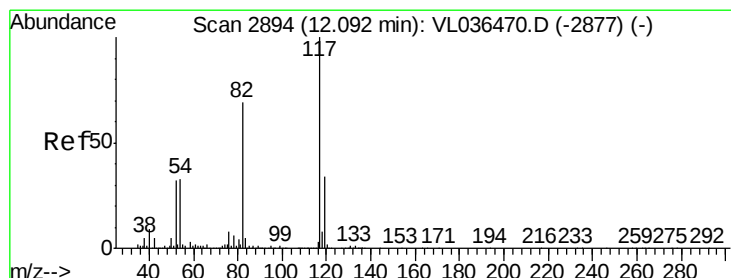
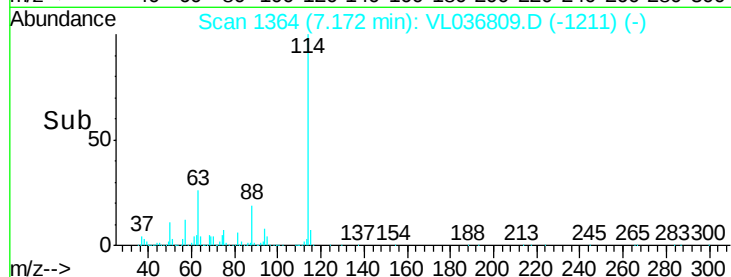
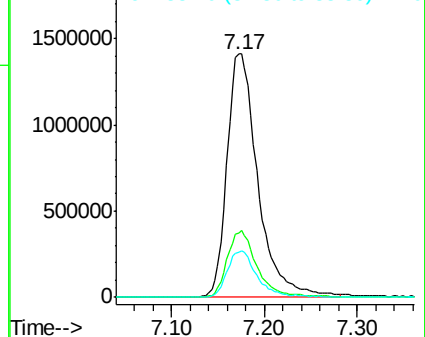
88 19.1 15.4 23.0



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036809.D

Acq: 13 Apr 2021 18:53

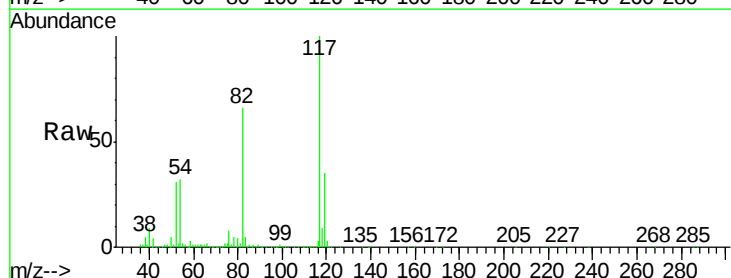
Tgt Ion:117 Resp: 2546171

Ion Ratio Lower Upper

117 100

82 68.9 57.4 86.0

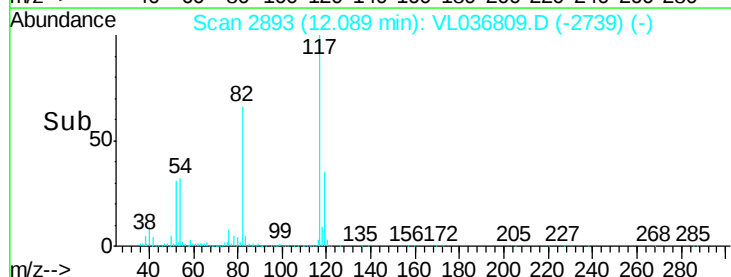
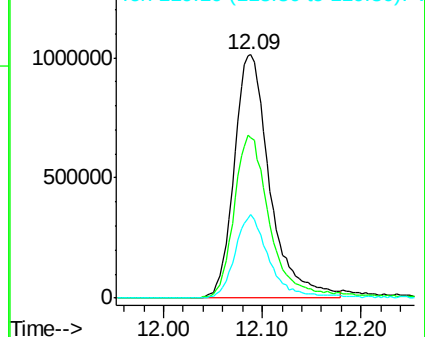
119 33.5 47.4 71.0#

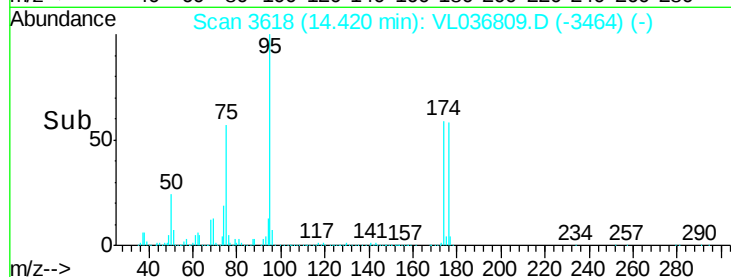
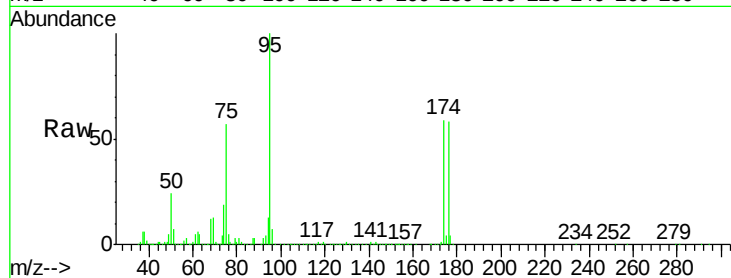
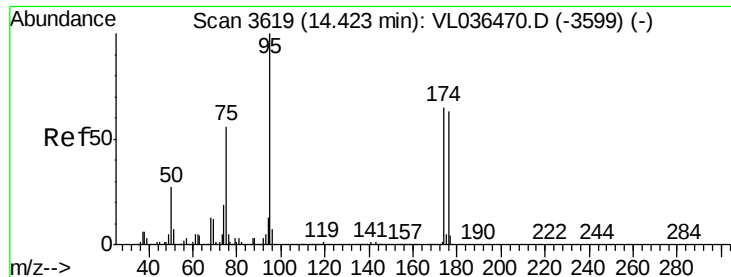


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 8.036 ppbv

RT: 14.42 Instrument :

Delta R.T MSVOA_L

Lab File: ClientSampleId :

SG1DL2

Acq: 13 Apr 2021 18:33

Tot Ion: 95 Resp: 1630825

Ion Ratio Lower Upper

95 100

174 70.0 51.0 76.6

175 4.7 3.9 5.9

