

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033222.D
 Acq On : 15 Feb 2019 6:46
 Operator : SY/AP
 Sample : K1483-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 01:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	697965	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1561327	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1775117	10.00	ppbv	0.00

System Monitoring Compounds

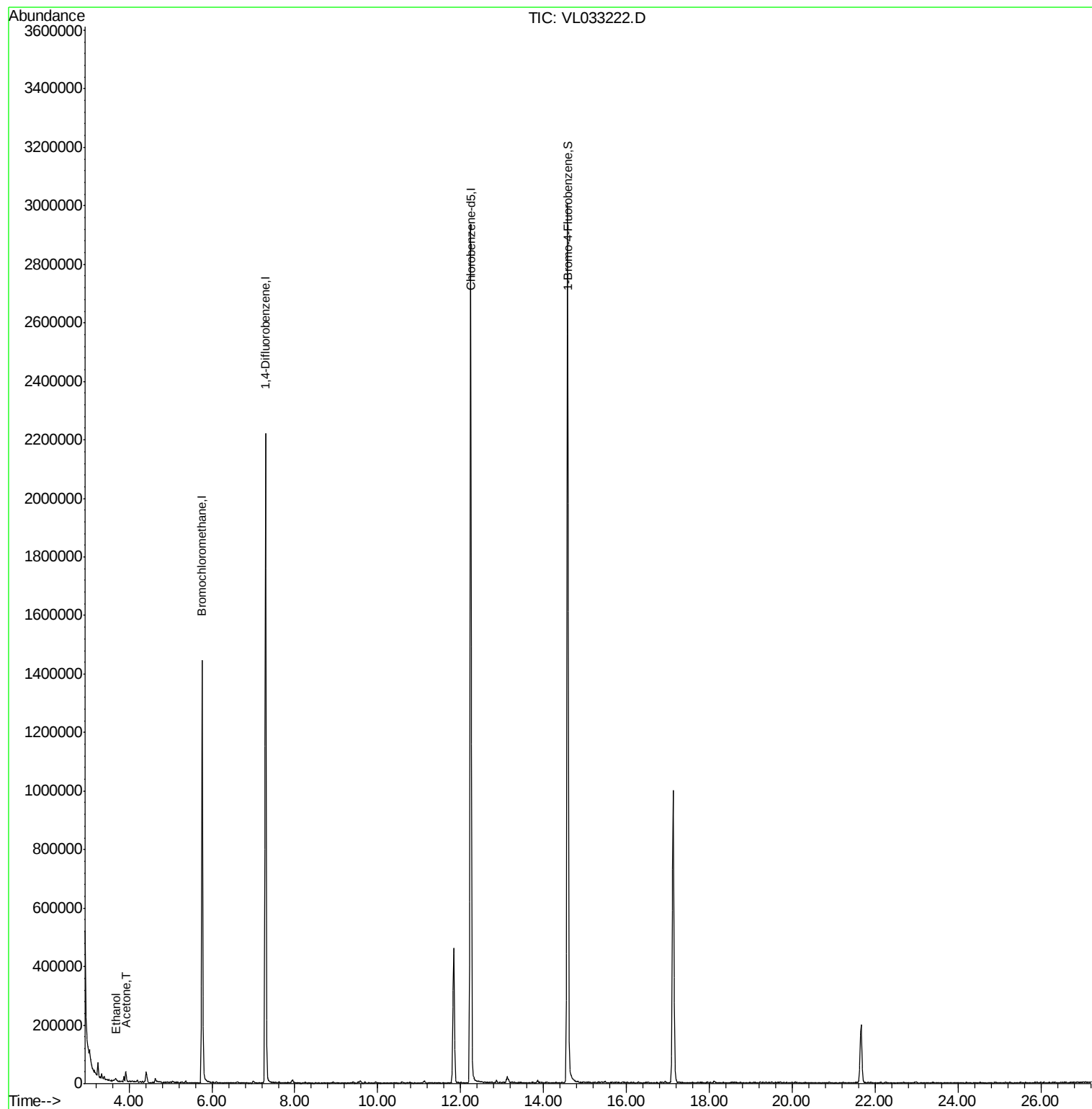
68) 1-Bromo-4-Fluorobenzene	14.58	95	1445202	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

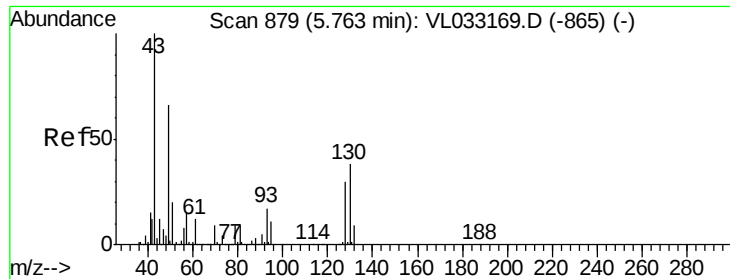
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.67	45	7684m	0.557	ppbv	
15) Acetone	3.92	43	35290	0.449	ppbv	95

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033222.D

Acq: 15 Feb 2019 6:46

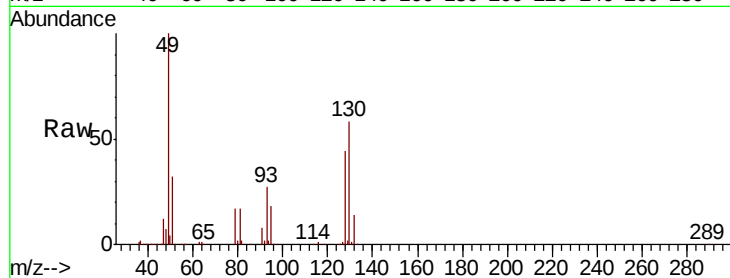
Tot Ion: 49 Resp: 697965

Ion Ratio Lower Upper

49 100

128 45.2 23.6 71.0

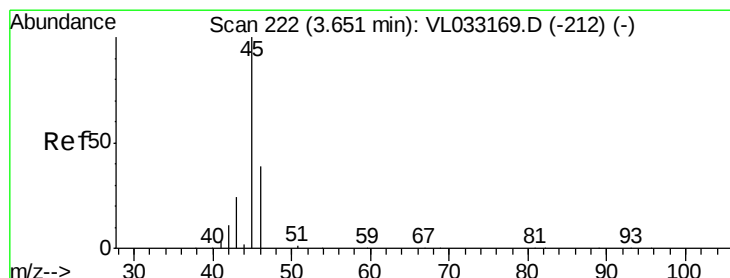
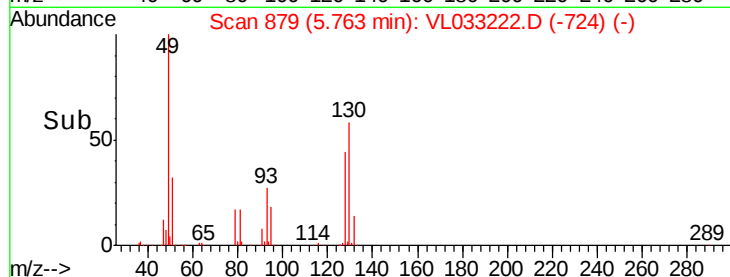
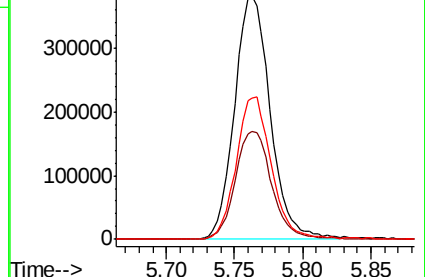
130 57.9 30.3 91.0



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



#13

Ethanol

Concen: 0.557 ppbv m

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL033222.D

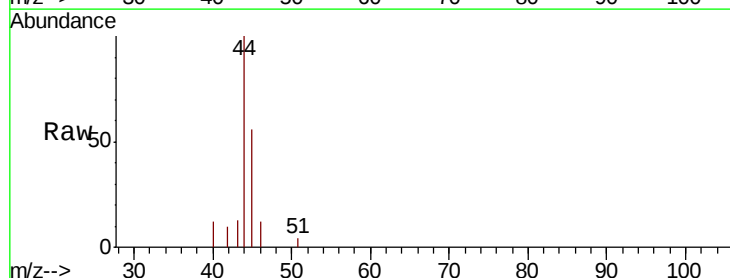
Acq: 15 Feb 2019 6:46

Tgt Ion: 45 Resp: 7684

Ion Ratio Lower Upper

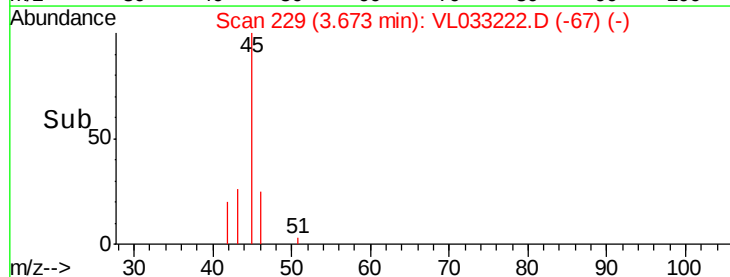
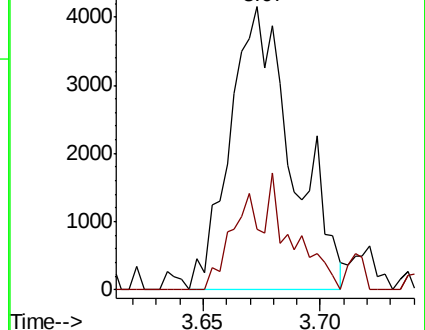
45 100

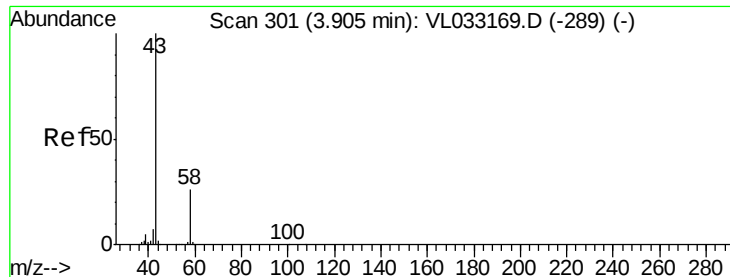
46 0.0 15.0 60.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.449 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033222.D

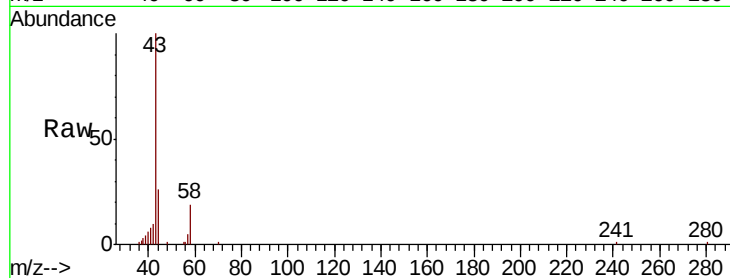
Acq: 15 Feb 2019 6:46

Tot Ion: 43 Resp: 35290

Ion Ratio Lower Upper

43 100

58 28.9 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

25000

20000

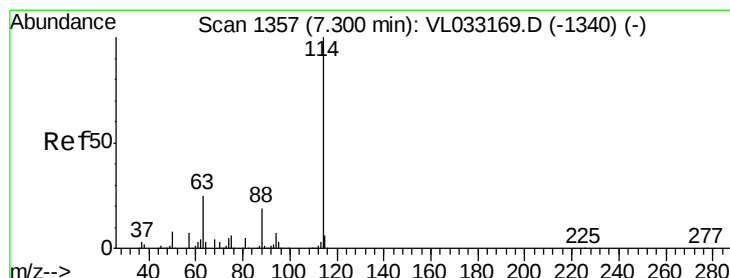
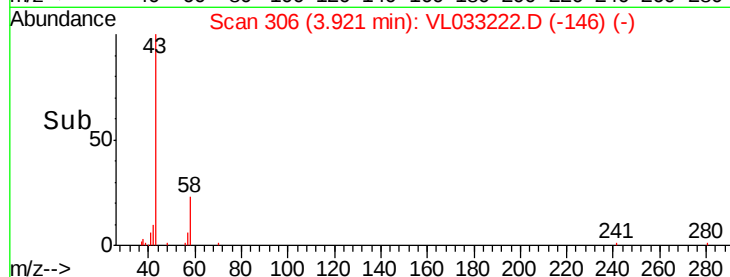
15000

10000

5000

0

Time--> 3.85 3.90 3.95



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033222.D

Acq: 15 Feb 2019 6:46

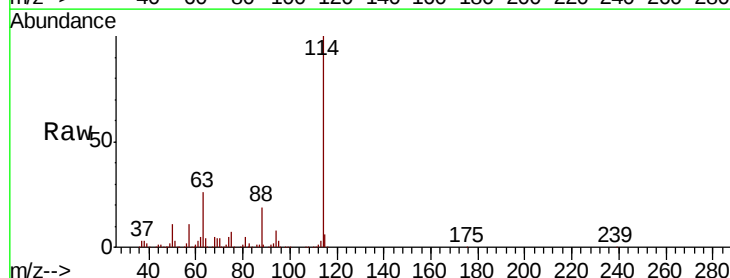
Tgt Ion: 114 Resp: 1561327

Ion Ratio Lower Upper

114 100

63 27.2 20.8 31.2

88 18.6 14.6 22.0



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

7.29

1000000

800000

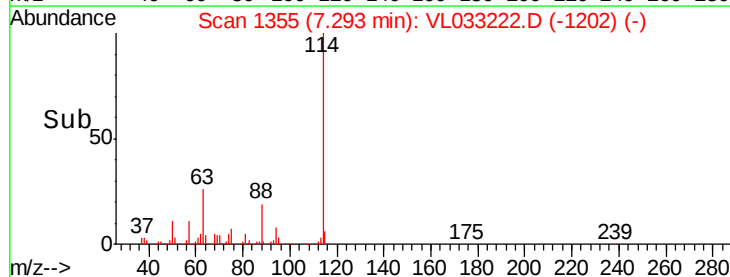
600000

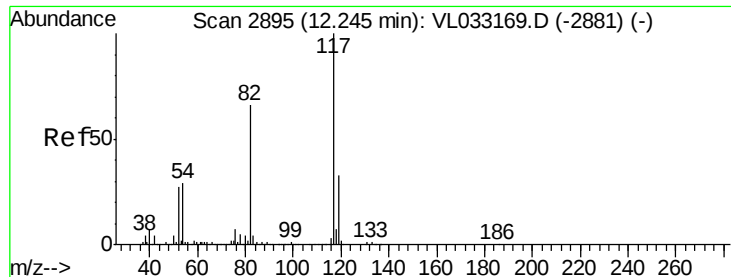
400000

200000

0

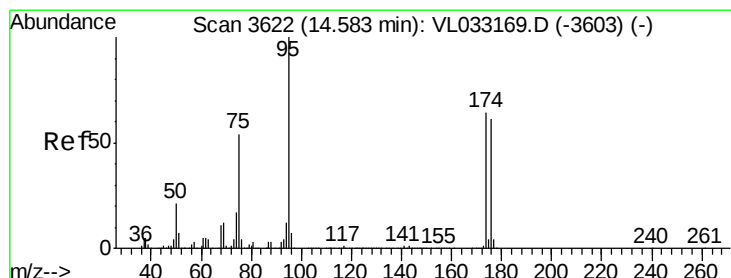
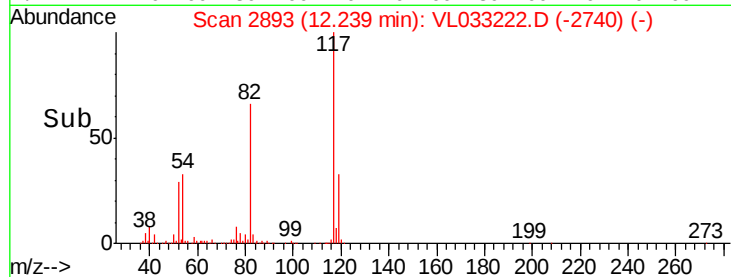
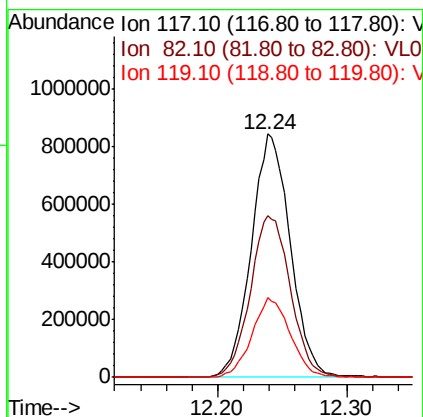
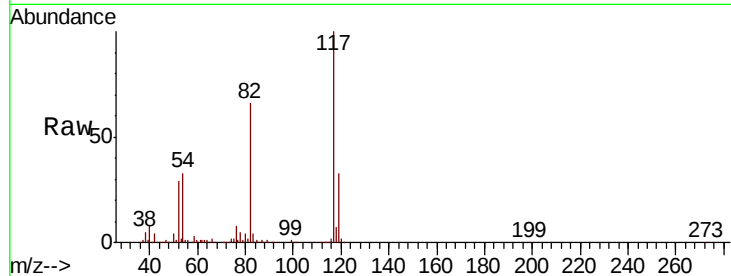
Time--> 7.20 7.25 7.30 7.35





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033222.D
Acq: 15 Feb 2019 6:46

Tot Ion:117 Resp: 1775117
Ion Ratio Lower Upper
117 100
82 68.8 53.8 80.8
119 32.3 46.9 70.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.447 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033222.D
Acq: 15 Feb 2019 6:46

Tgt Ion: 95 Resp: 1445202
Ion Ratio Lower Upper
95 100
174 63.1 51.1 76.7
175 4.6 3.8 5.6

