

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034614.D
 Acq On : 7 Feb 2020 9:33
 Operator : SY/AP
 Sample : L1435-05DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Quant Time: Feb 10 09:57:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	889062	10.00	ppbv	0.06
33) 1,4-Difluorobenzene	7.25	114	1860394	10.00	ppbv	0.06
55) Chlorobenzene-d5	12.19	117	1899938	10.00	ppbv	0.08

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	1653045	10.29	ppbv	0.08
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

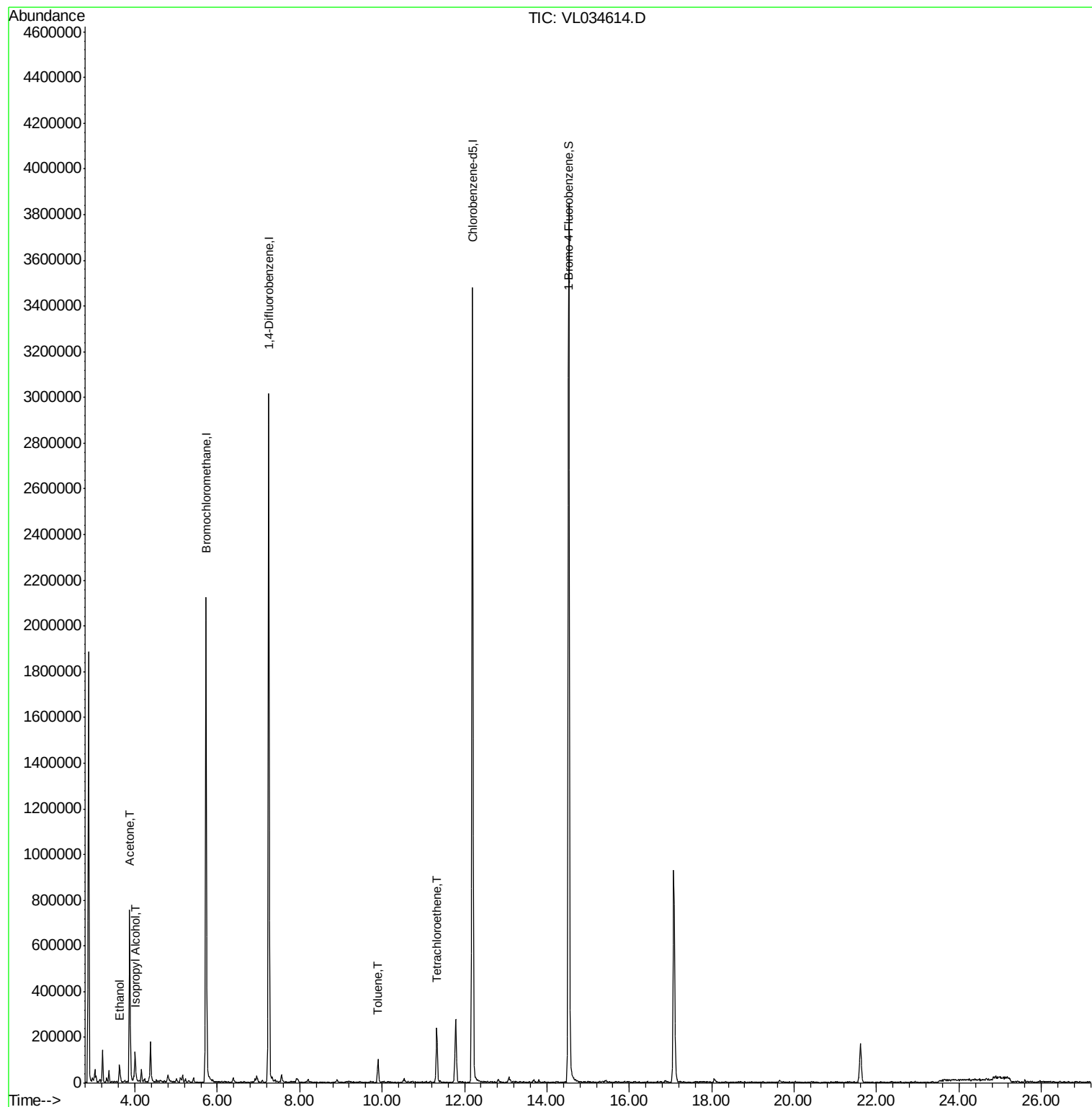
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	73114m	6.526	ppbv	
15) Acetone	3.87	43	750350	5.743	ppbv	99
19) Isopropyl Alcohol	4.00	45	115748	1.518	ppbv #	88
52) Tetrachloroethene	11.32	164	47814m	0.719	ppbv	
53) Toluene	9.90	91	68985	0.380	ppbv	99

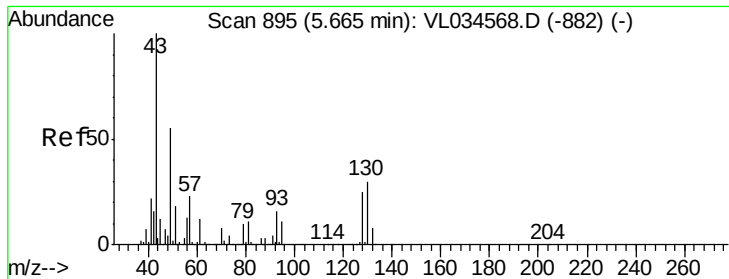
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL020620\
Data File : VL034614.D
Acq On : 7 Feb 2020 9:33
Operator : SY/AP
Sample : L1435-05DL 4X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL

Quant Time: Feb 10 09:57:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

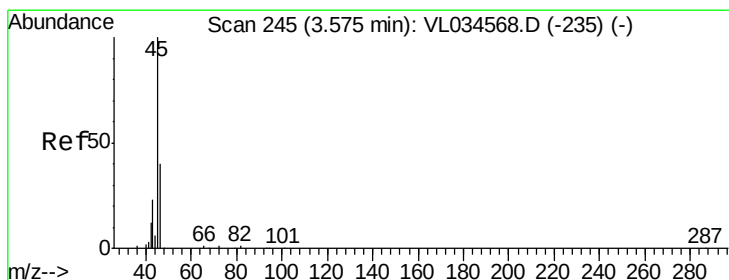
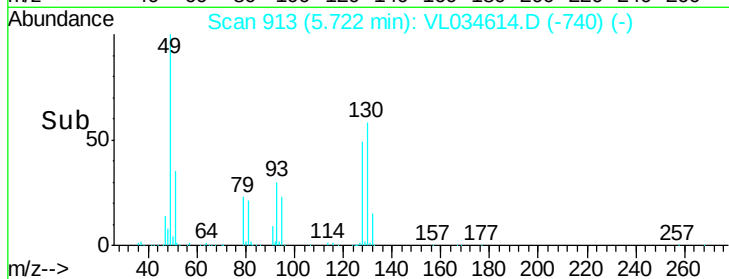
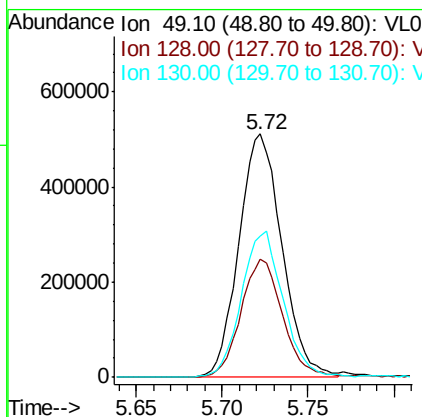
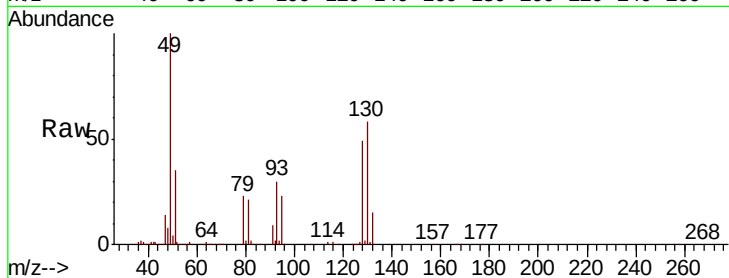




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.06 min
Lab File: VL034614.D
Acq: 7 Feb 2020 9:33

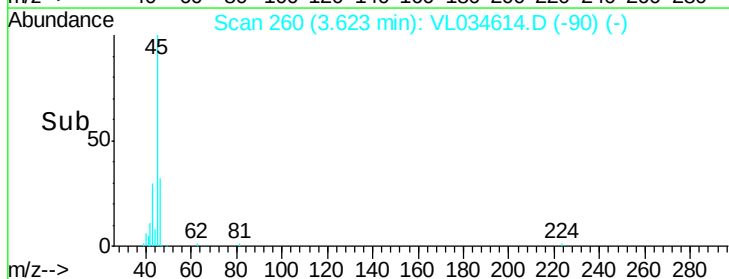
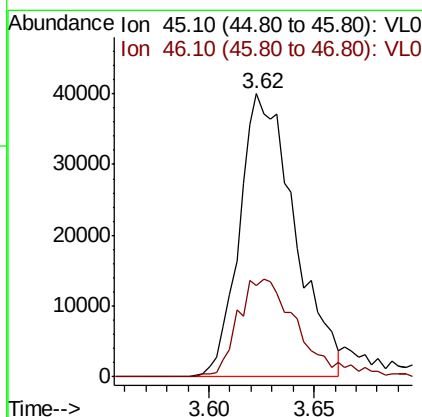
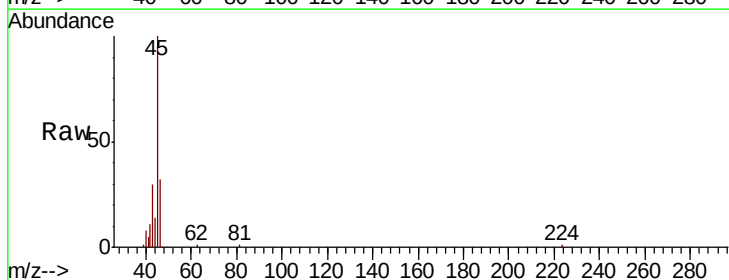
Instrument :
MSVOA_L
ClientSampled :
IA-5DL

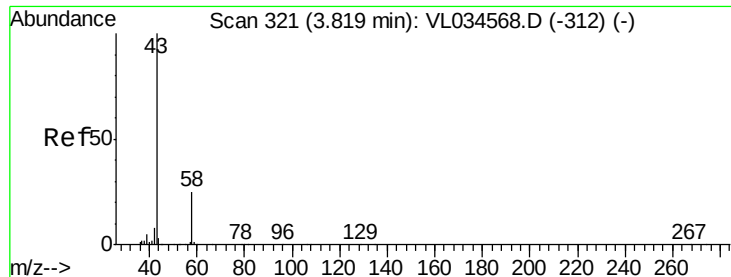
Tot Ion: 49 Resp: 889062
Ion Ratio Lower Upper
49 100
128 47.5 22.7 68.1
130 59.0 28.6 85.8



#13
Ethanol
Concen: 6.526 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.05 min
Lab File: VL034614.D
Acq: 7 Feb 2020 9:33

Tgt Ion: 45 Resp: 73114
Ion Ratio Lower Upper
45 100
46 38.8 14.8 59.2





#15

Acetone

Concen: 5.743 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.05 min

Lab File: VL034614.D

Acq: 7 Feb 2020 9:33

Instrument :

MSVOA_L

ClientSampled :

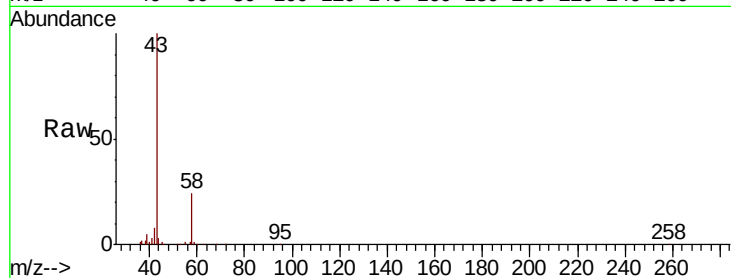
IA-5DL

Tot Ion: 43 Resp: 750350

Ion Ratio Lower Upper

43 100

58 25.0 20.3 30.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

500000

400000

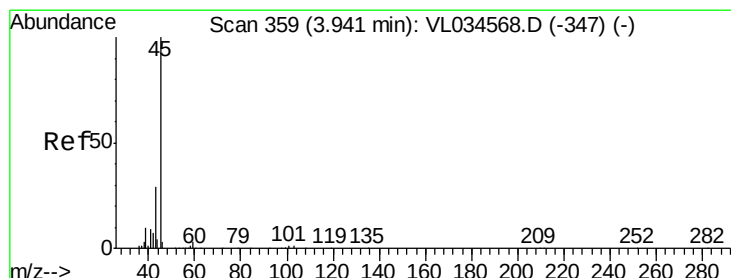
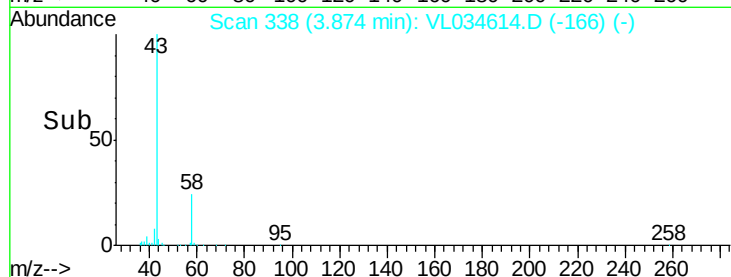
300000

200000

100000

0

Time-->



#19

Isopropyl Alcohol

Concen: 1.518 ppbv

RT: 4.00 min Scan# 378

Delta R.T. 0.06 min

Lab File: VL034614.D

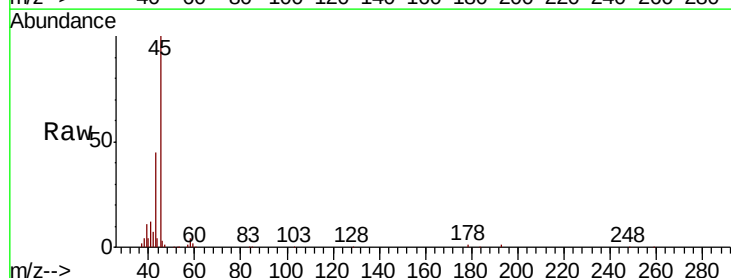
Acq: 7 Feb 2020 9:33

Tgt Ion: 45 Resp: 115748

Ion Ratio Lower Upper

45 100

58 6.3 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.00

80000

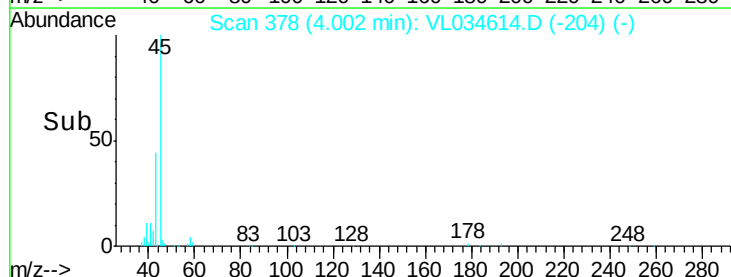
60000

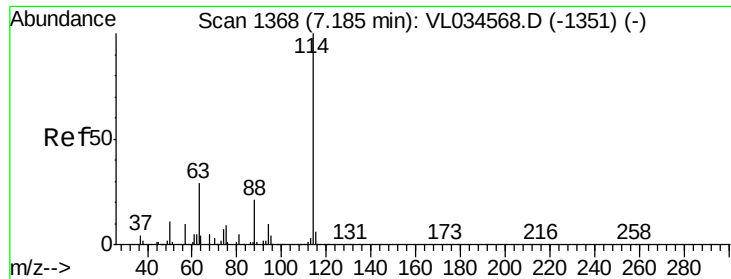
40000

20000

0

Time-->





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.25 min Scan# 1388

Delta R.T. 0.06 min

Lab File: VL034614.D

Acq: 7 Feb 2020 9:33

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

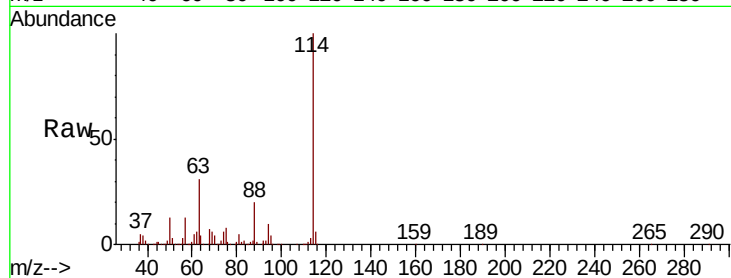
Tot Ion:114 Resp: 1860394

Ion Ratio Lower Upper

114 100

63 30.5 24.1 36.1

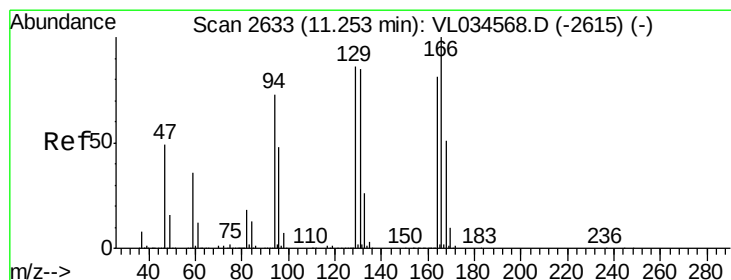
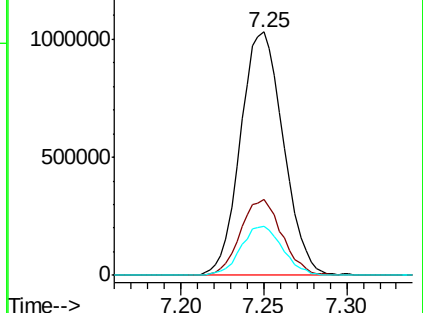
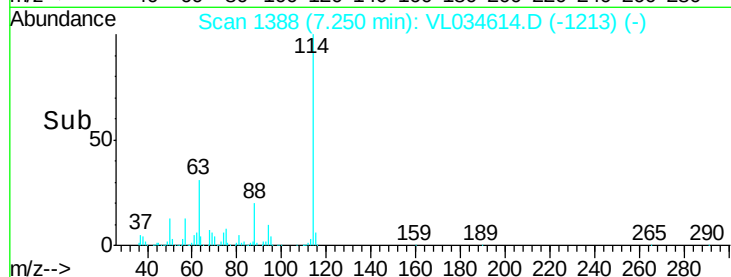
88 19.8 15.9 23.9



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



#52

Tetrachloroethene

Concen: 0.719 ppbv m

RT: 11.32 min Scan# 2654

Delta R.T. 0.07 min

Lab File: VL034614.D

Acq: 7 Feb 2020 9:33

Tgt Ion:164 Resp: 47814

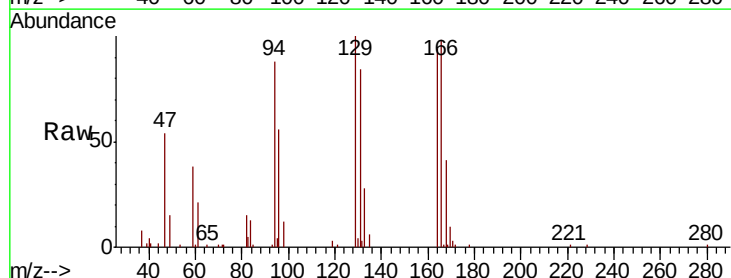
Ion Ratio Lower Upper

164 100

166 105.2 99.0 148.4

129 106.9 85.3 127.9

131 90.0 84.2 126.2

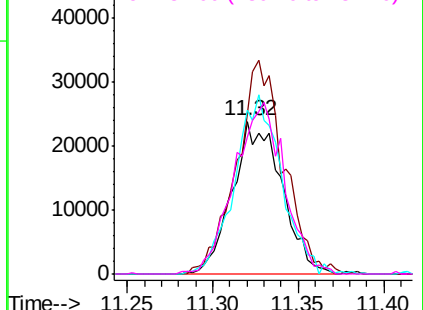
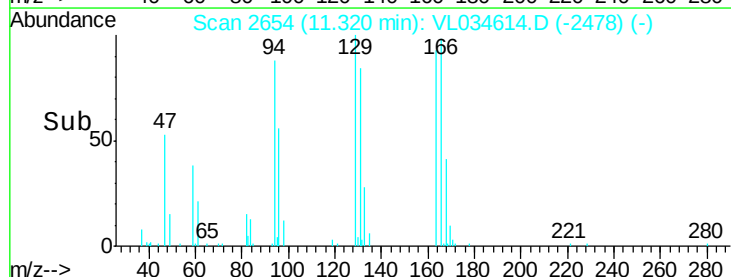


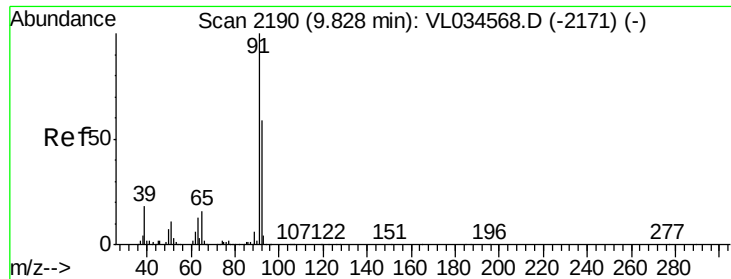
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.380 ppbv

RT: 9.90 min Scan# 2213

Delta R.T. 0.07 min

Lab File: VL034614.D

Acq: 7 Feb 2020 9:33

Instrument :

MSVOA_L

ClientSampleId :

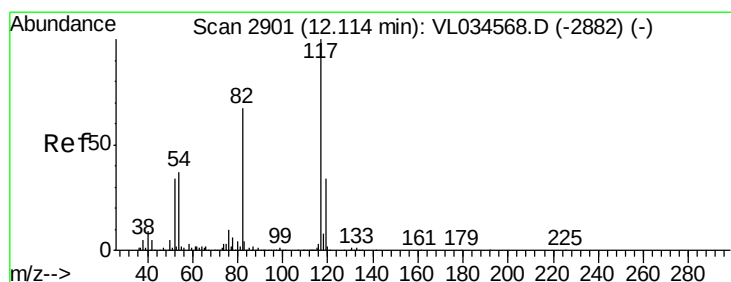
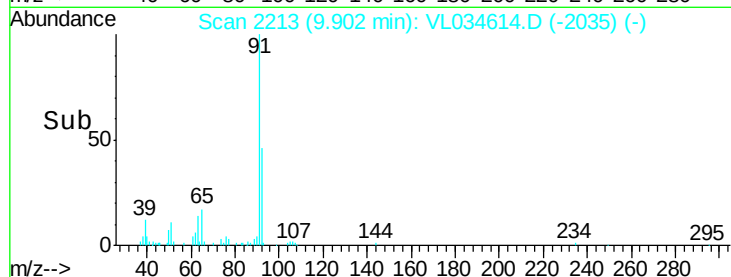
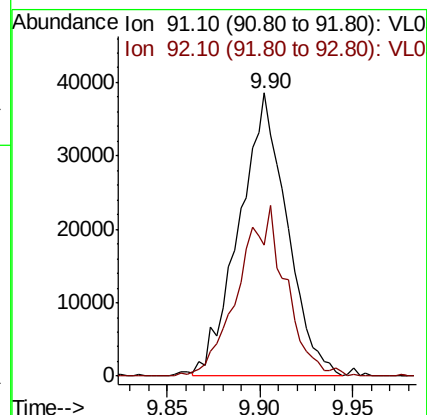
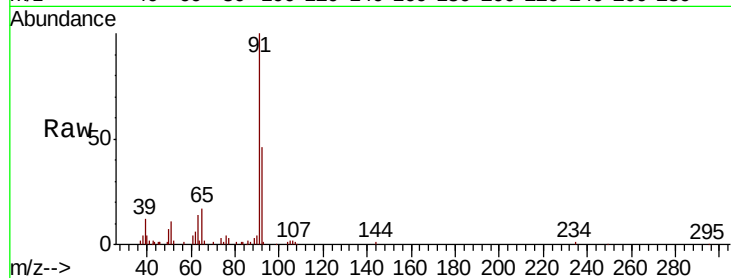
IA-5DL

Tot Ion: 91 Resp: 68985

Ion Ratio Lower Upper

91 100

92 59.2 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.08 min

Lab File: VL034614.D

Acq: 7 Feb 2020 9:33

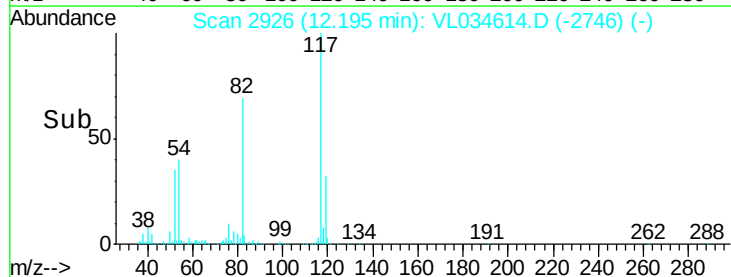
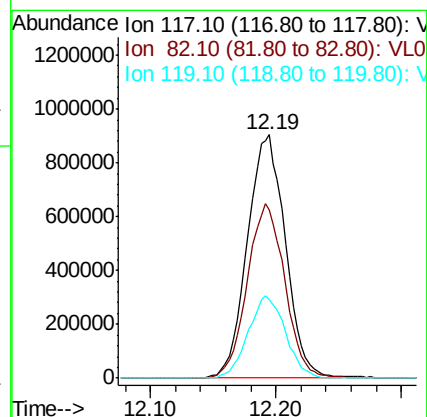
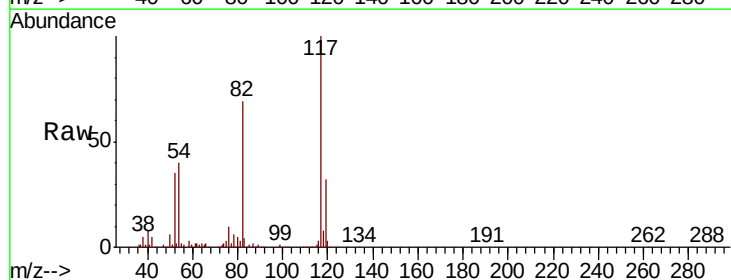
Tgt Ion: 117 Resp: 1899938

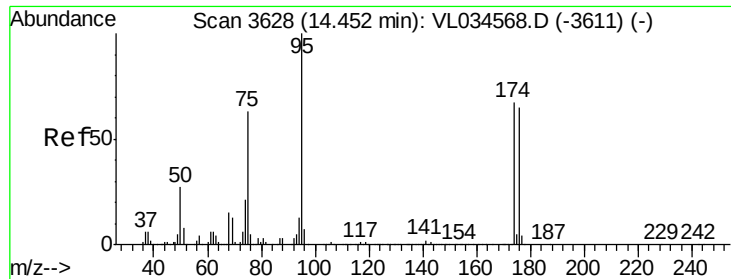
Ion Ratio Lower Upper

117 100

82 71.0 54.2 81.4

119 33.2 26.1 39.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.295 ppbv

RT: 14.53 min Scan# 3652

Delta R.T. 0.08 min

Lab File: VL034614.D

Acq: 7 Feb 2020 9:33

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

Tot Ion: 95 Resp: 1653045

Ion Ratio Lower Upper

95 100

174 62.9 52.3 78.5

175 4.5 3.8 5.6

