

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033350.D
 Acq On : 16 Mar 2019 3:44
 Operator : SY/AP
 Sample : K1827-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Quant Time: Mar 18 11:55:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	750672	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1688849	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1874739	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1439516	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

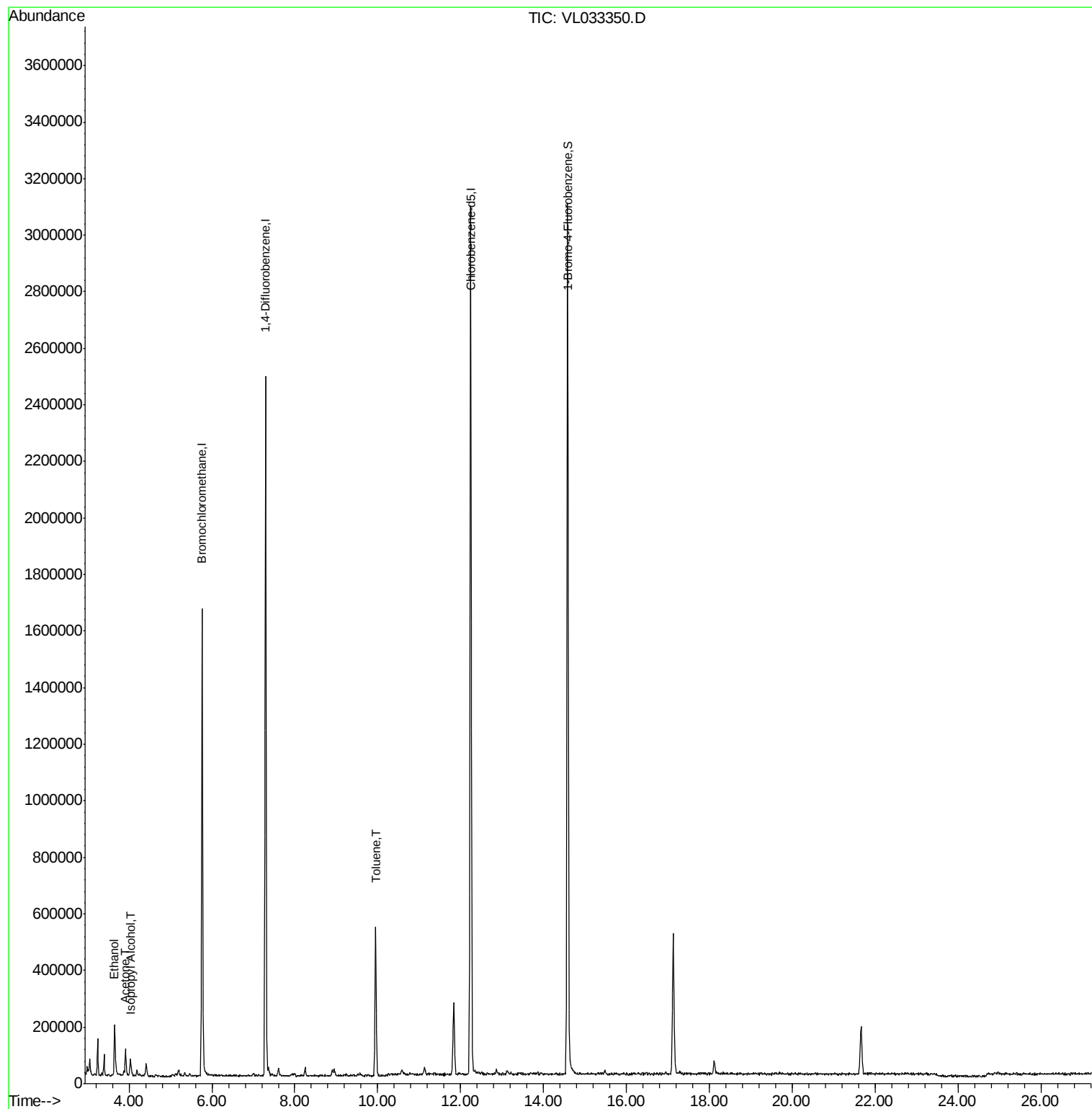
Target Compounds					Ovalue
13) Ethanol	3.65	45	204574	11.157	ppbv 98
15) Acetone	3.91	43	93818	0.804	ppbv 98
19) Isopropyl Alcohol	4.04	45	68836	1.240	ppbv # 94
53) Toluene	9.95	91	383737	2.234	ppbv 99

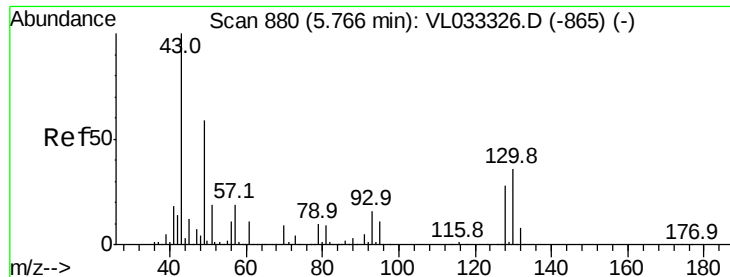
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033350.D

Acq: 16 Mar 2019 3:44

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

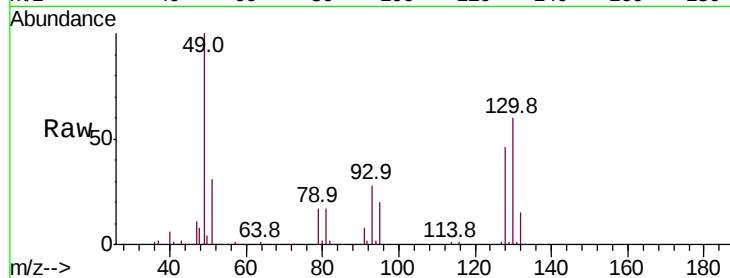
Tot Ion: 49 Resp: 750672

Ion Ratio Lower Upper

49 100

128 46.7 23.5 70.6

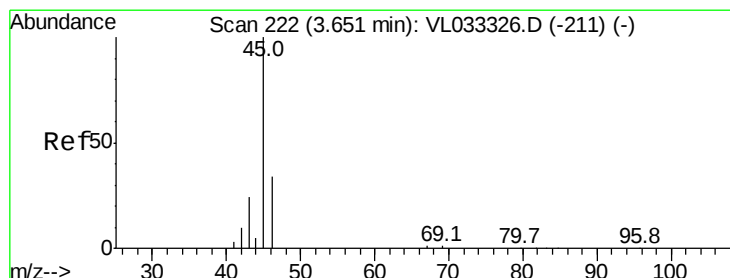
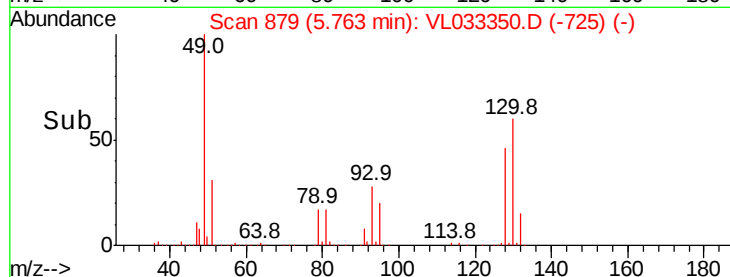
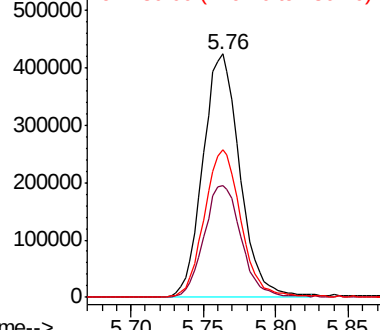
130 60.8 30.1 90.3



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



#13

Ethanol

Concen: 11.157 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033350.D

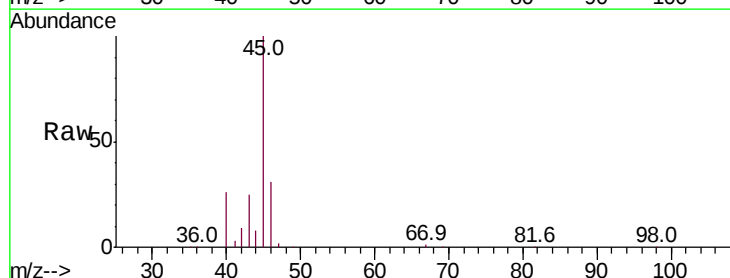
Acq: 16 Mar 2019 3:44

Tgt Ion: 45 Resp: 204574

Ion Ratio Lower Upper

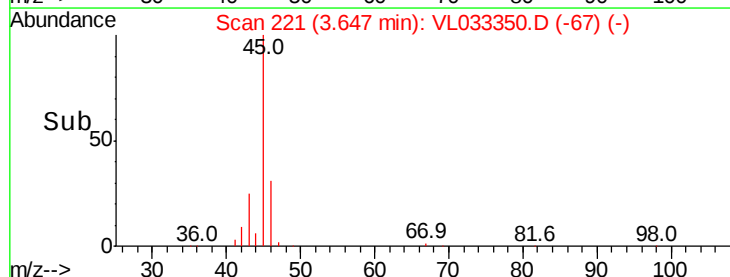
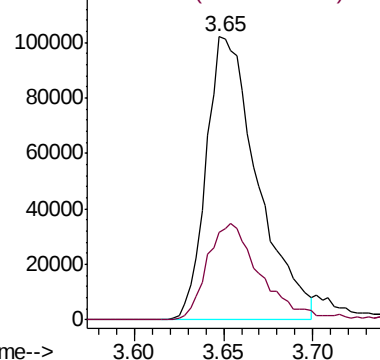
45 100

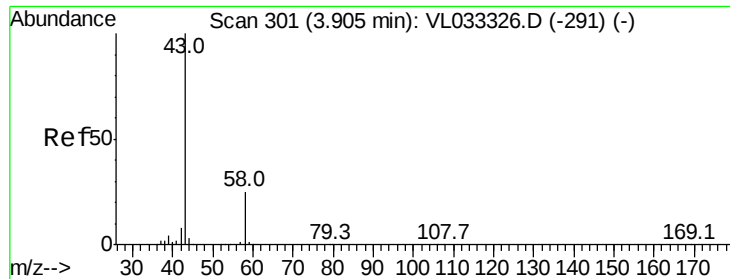
46 36.3 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.804 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033350.D

Acq: 16 Mar 2019 3:44

Instrument :

MSVOA_L

ClientSampleId :

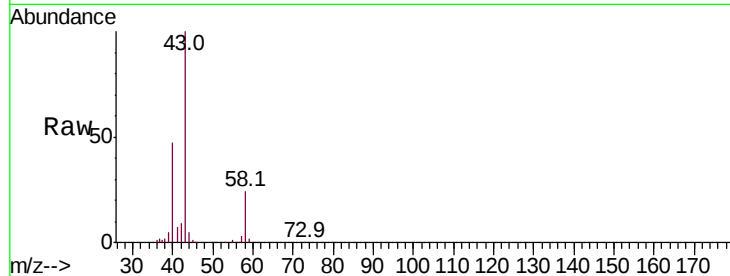
A-3DL

Tot Ion: 43 Resp: 93818

Ion Ratio Lower Upper

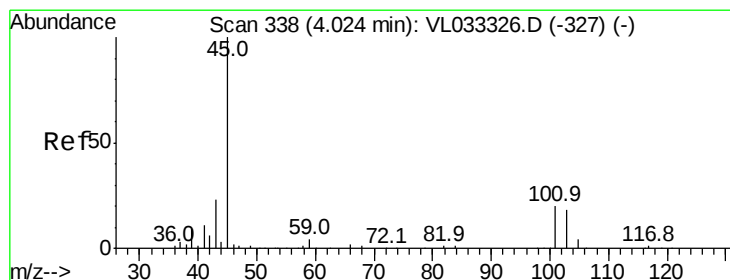
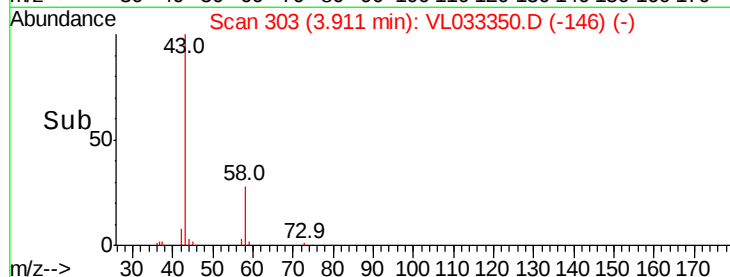
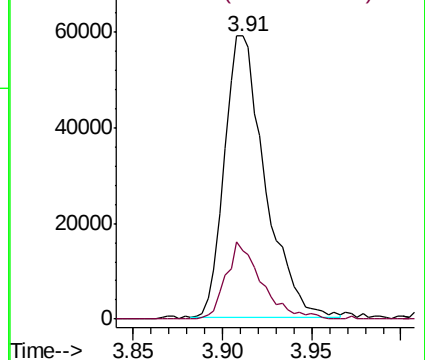
43 100

58 24.6 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 1.240 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033350.D

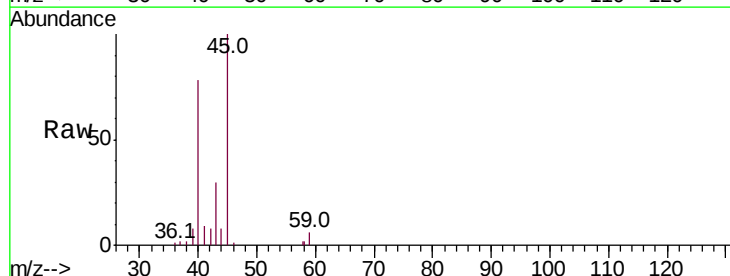
Acq: 16 Mar 2019 3:44

Tgt Ion: 45 Resp: 68836

Ion Ratio Lower Upper

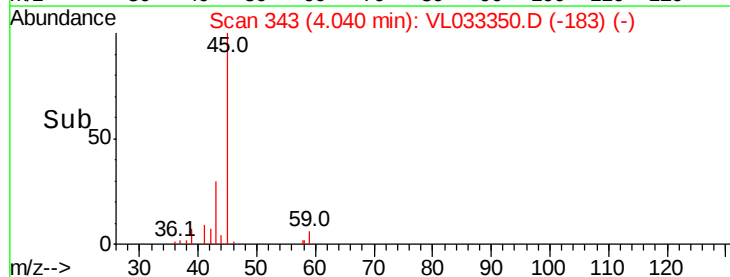
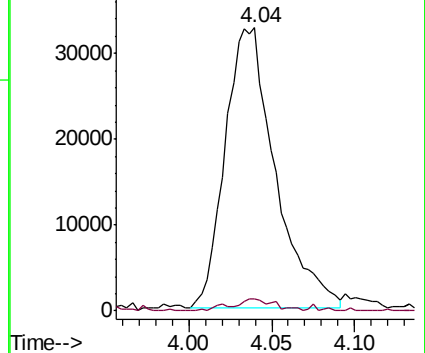
45 100

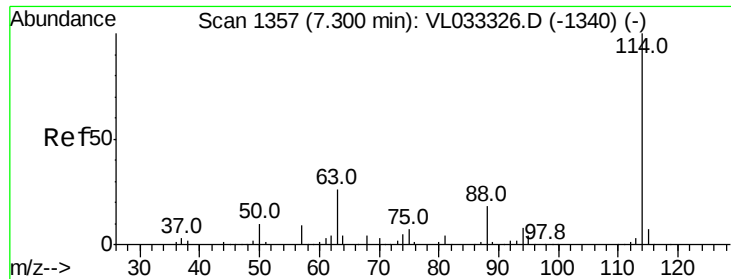
58 4.1 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

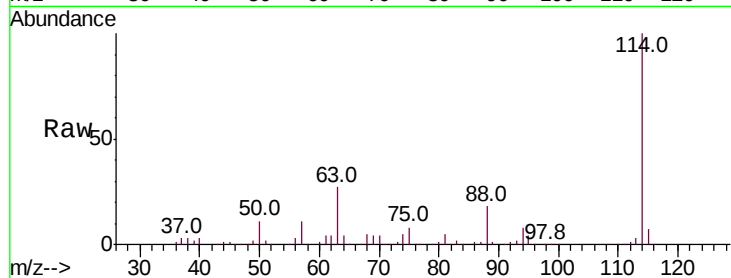




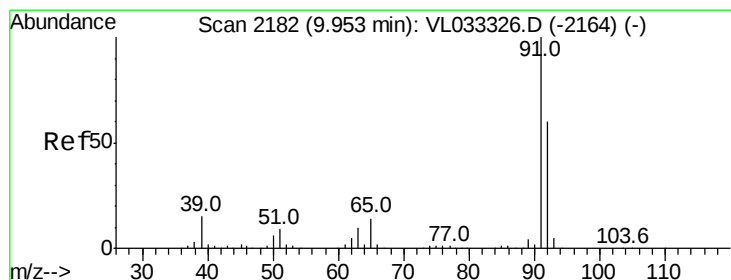
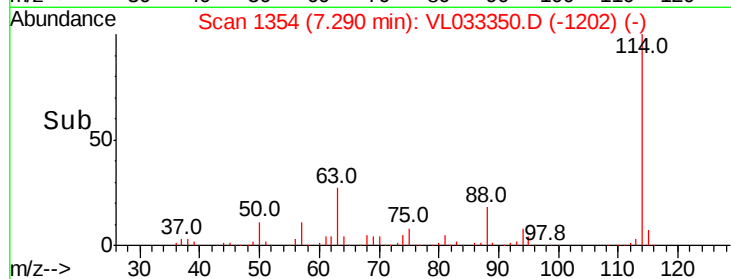
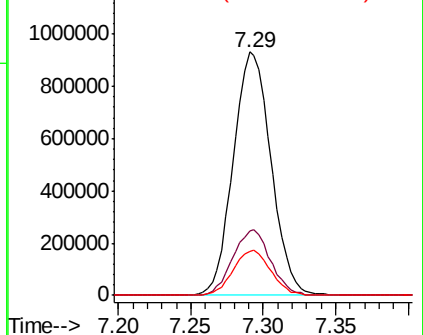
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033350.D
 Acq: 16 Mar 2019 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Tot Ion:114 Resp: 1688849
 Ion Ratio Lower Upper
 114 100
 63 26.9 21.4 32.2
 88 18.4 14.5 21.7

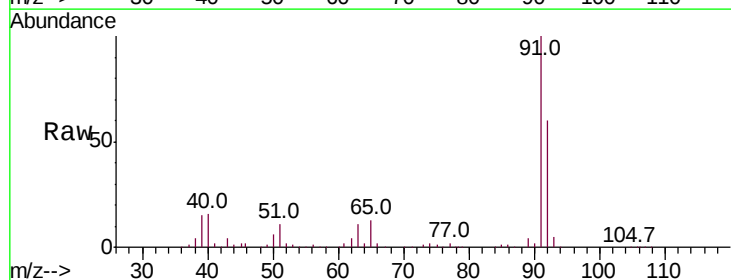


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

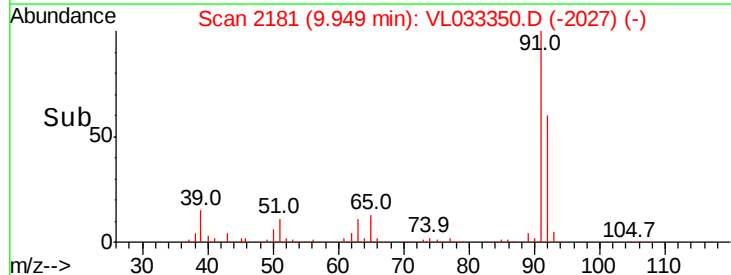
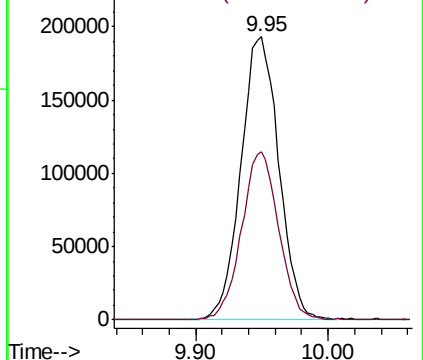


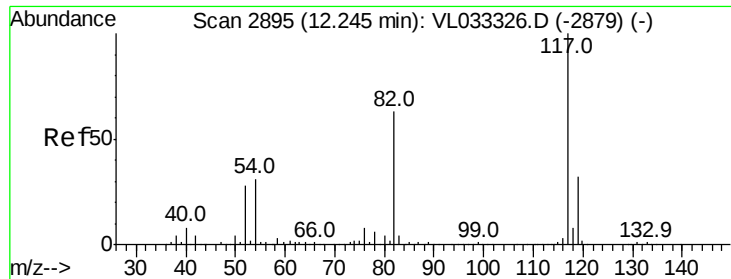
#53
 Toluene
 Concen: 2.234 ppbv
 RT: 9.95 min Scan# 2181
 Delta R.T. -0.00 min
 Lab File: VL033350.D
 Acq: 16 Mar 2019 3:44

Tgt Ion: 91 Resp: 383737
 Ion Ratio Lower Upper
 91 100
 92 58.2 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0

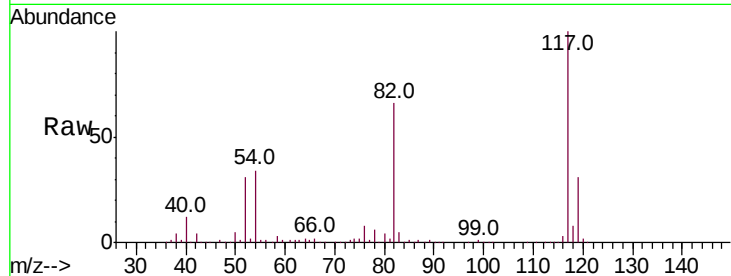




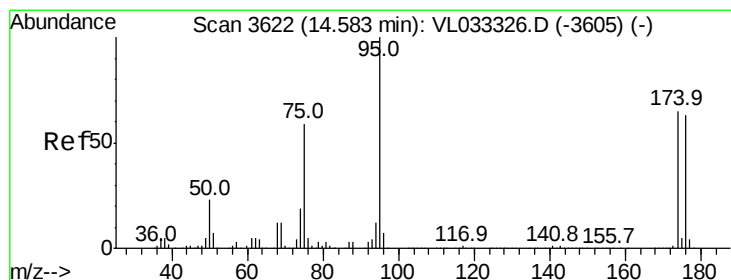
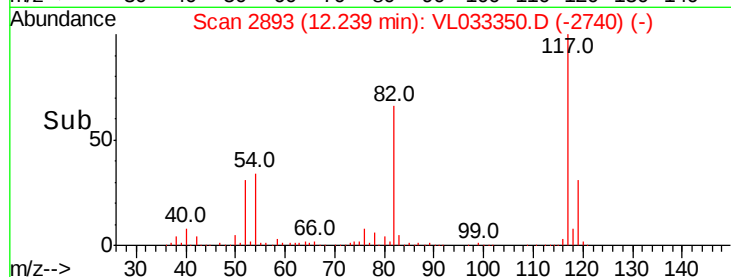
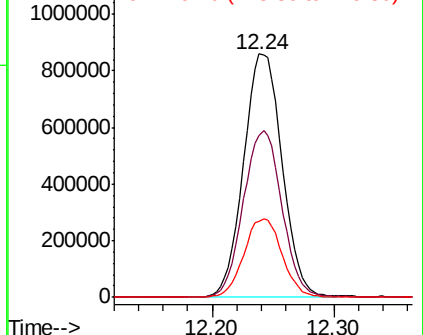
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033350.D
Acq: 16 Mar 2019 3:44

Instrument :
MSVOA_L
ClientSampled :
A-3DL

Tot Ion:117 Resp: 1874739
Ion Ratio Lower Upper
117 100
82 69.0 53.4 80.2
119 32.2 27.3 40.9

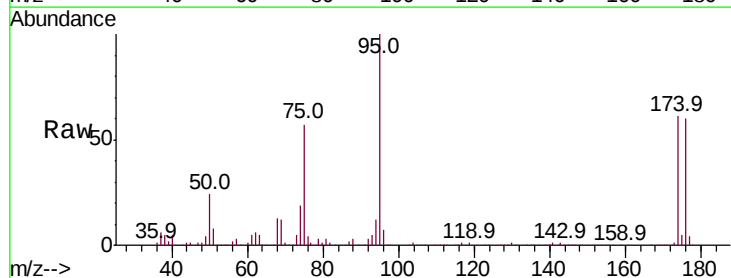


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.362 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033350.D
Acq: 16 Mar 2019 3:44

Tgt Ion: 95 Resp: 1439516
Ion Ratio Lower Upper
95 100
174 64.7 51.5 77.3
175 4.6 3.8 5.6



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

