

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 Data File : VL033253.D
 Acq On : 6 Mar 2019 12:20
 Operator : SY/AP
 Sample : 0.4 PPB MDL
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
 QLast Update : Wed Mar 06 08:43:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	875530	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1903366	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2101083	10.00	ppbv	0.00

System Monitoring Compounds

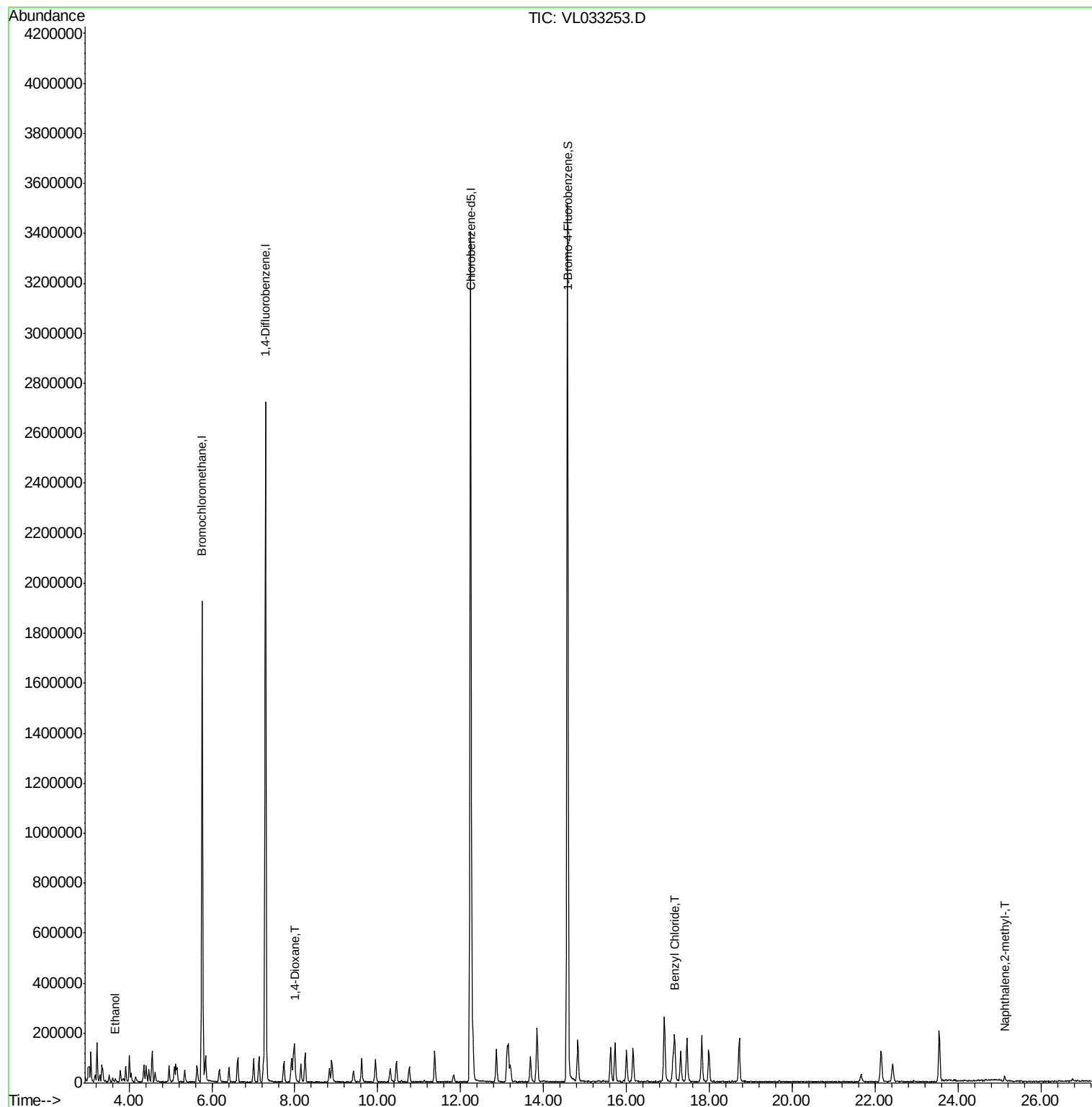
68) 1-Bromo-4-Fluorobenzene	14.58	95	1656883	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

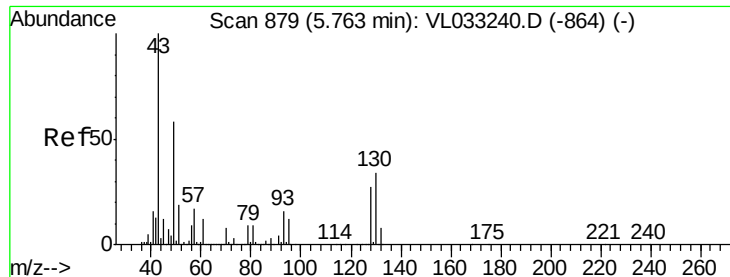
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.67	45	9905m	0.742	ppbv	
40) 1,4-Dioxane	8.00	88	8852m	0.342	ppbv	
66) Benzyl Chloride	17.16	91	27451m	0.253	ppbv	
80) Naphthalene,2-methyl-	25.13	142	13323	0.140	ppbv	97

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

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QLast Update : Wed Mar 06 08:43:44 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

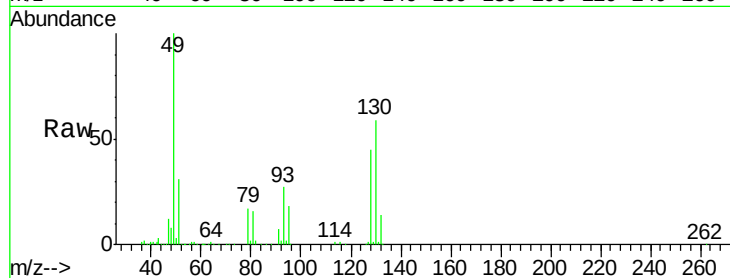
Delta R.T. 0.00 min

Lab File: VL033253.D

Acq: 6 Mar 2019 12:20

Tot Ion: 49 Resp: 875530

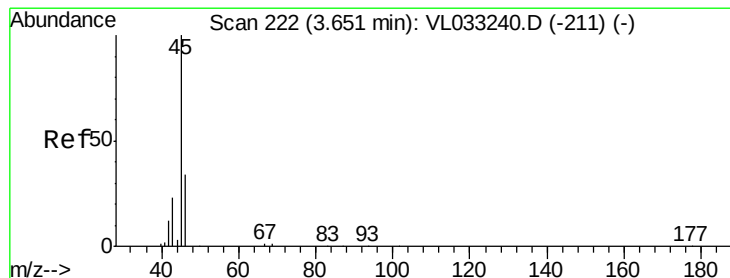
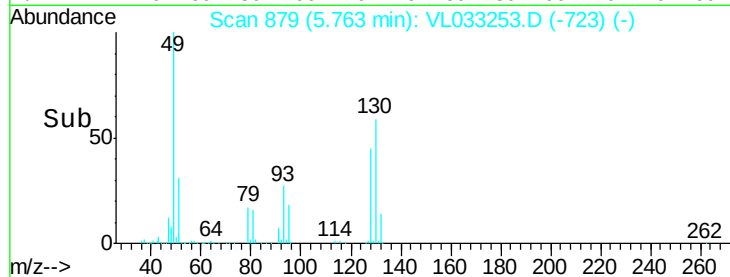
Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.9	68.8
130	58.3	29.3	88.0



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: 0.742 ppbv m

RT: 3.67 min Scan# 227

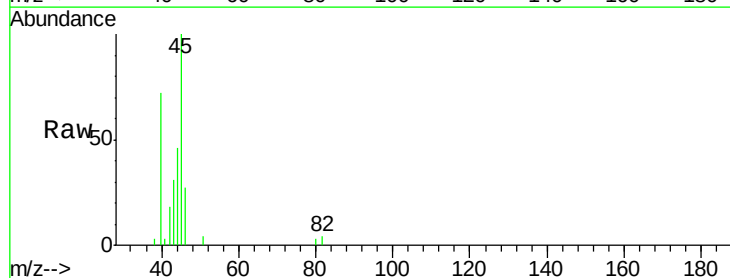
Delta R.T. 0.02 min

Lab File: VL033253.D

Acq: 6 Mar 2019 12:20

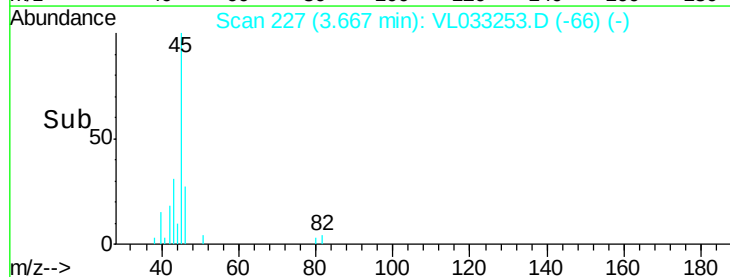
Tgt Ion: 45 Resp: 9905

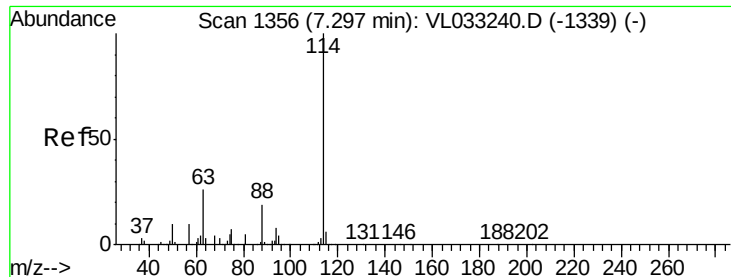
Ion	Ratio	Lower	Upper
45	100		
46	36.1	15.3	61.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033253.D

Acq: 6 Mar 2019 12:20

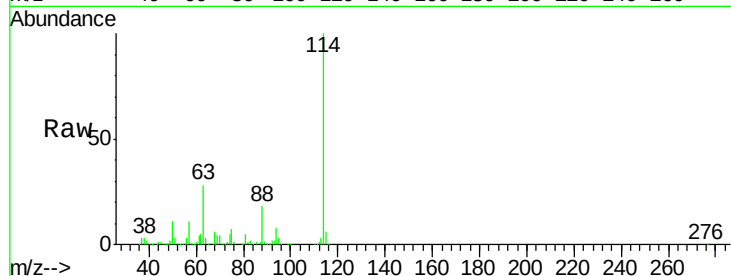
Tot Ion:114 Resp: 1903366

Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

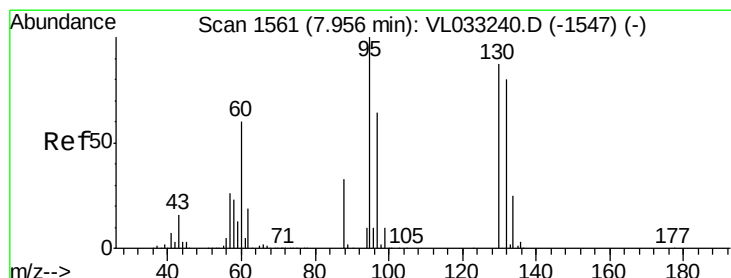
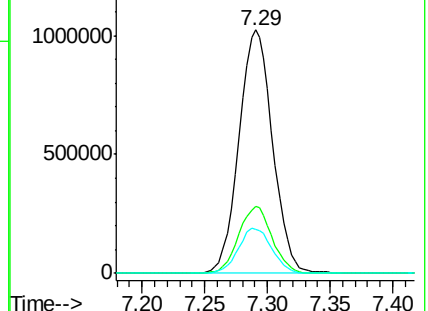
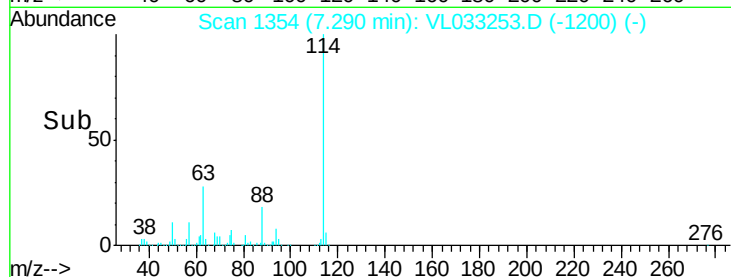
88 18.5 15.0 22.4



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



#40

1,4-Dioxane

Concen: 0.342 ppbv m

RT: 8.00 min Scan# 1576

Delta R.T. 0.05 min

Lab File: VL033253.D

Acq: 6 Mar 2019 12:20

Tgt Ion: 88 Resp: 8852

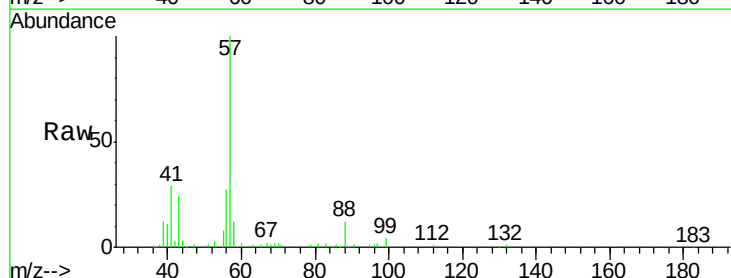
Ion Ratio Lower Upper

88 100

58 0.0 105.1 157.7#

43 339.6 0.0 0.0#

57 1385.9 0.0 0.0#

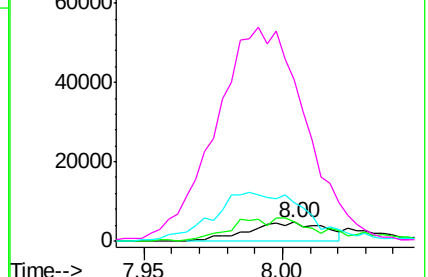
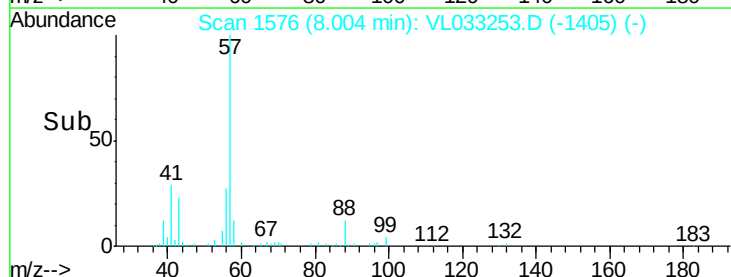


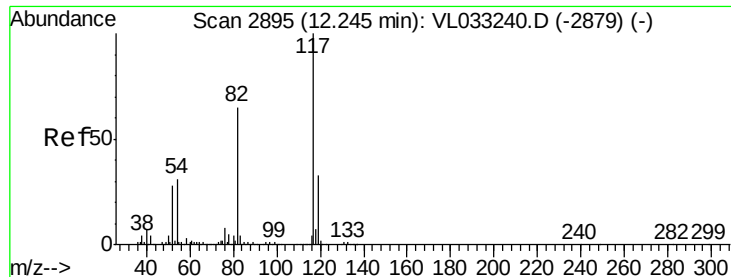
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

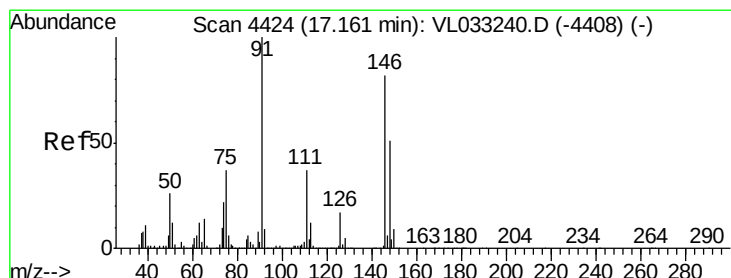
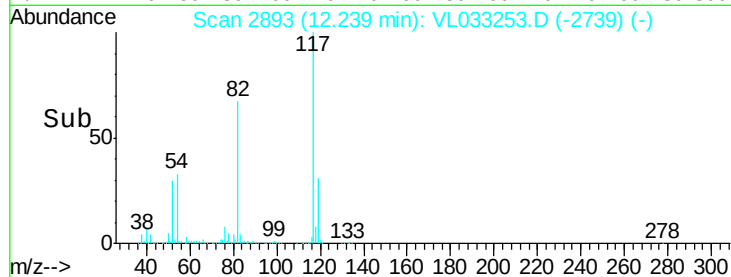
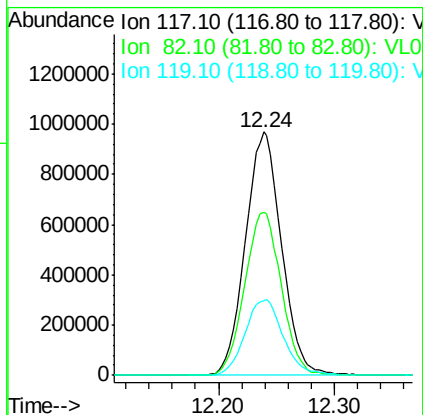
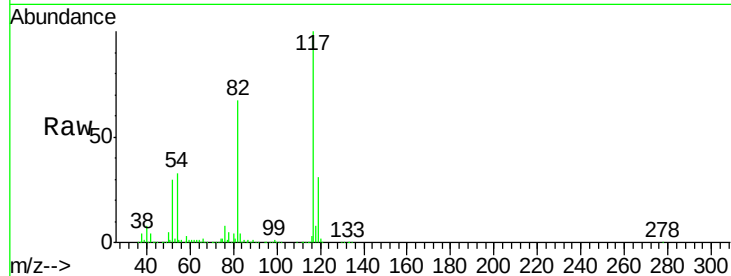




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tot Ion:117 Resp: 2101083

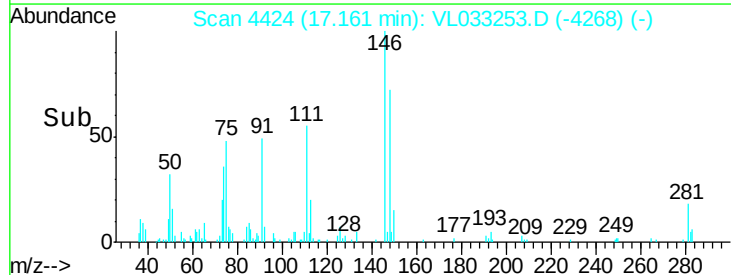
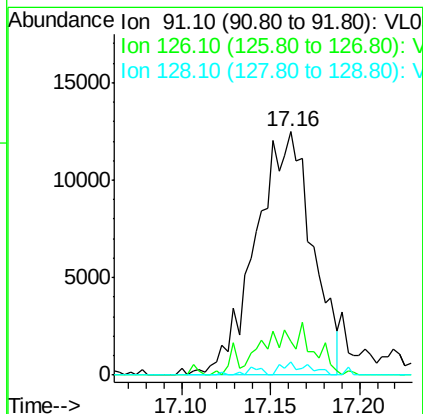
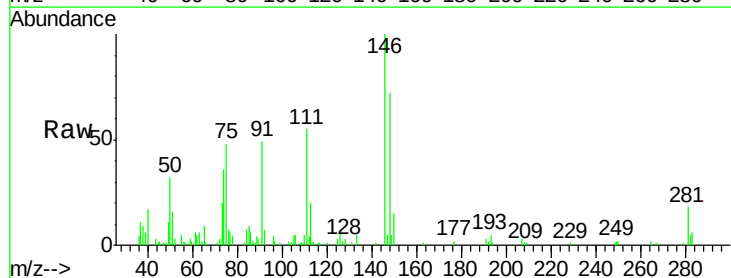
Ion	Ratio	Lower	Upper
117	100		
82	68.1	51.8	77.8
119	33.2	43.6	65.4

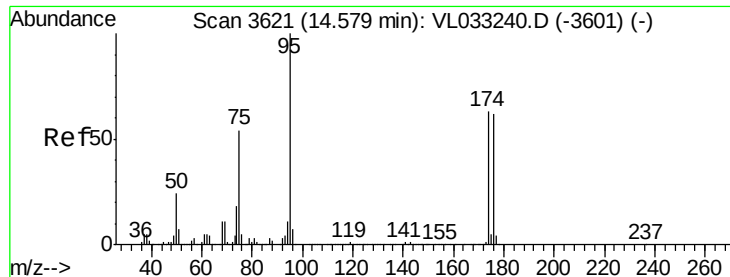


#66
Benzyl Chloride
Concen: 0.253 ppbv m
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 27451

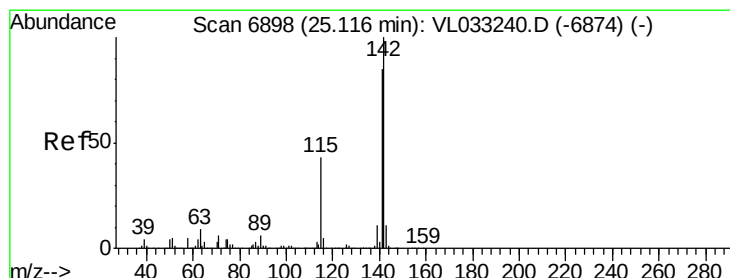
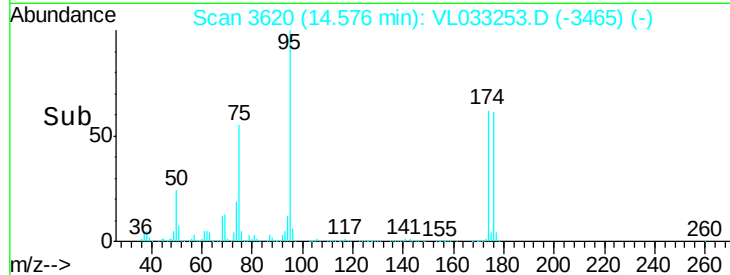
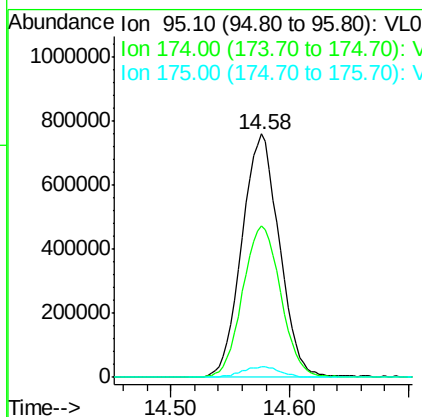
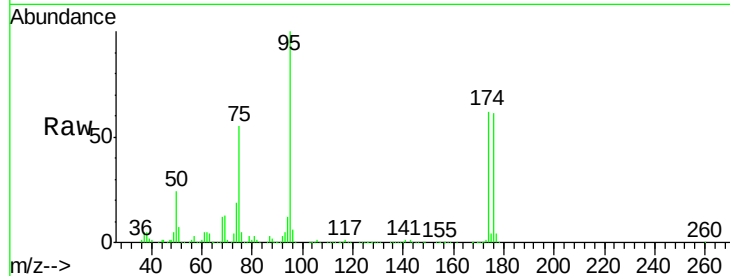
Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.4	20.0
128	0.0	4.2	6.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.392 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033253.D
 Acq: 6 Mar 2019 12:20

Tot Ion: 95 Resp: 1656883
 Ion Ratio Lower Upper
 95 100
 174 63.9 51.0 76.4
 175 4.6 3.8 5.6



#80
 Naphthalene, 2-methyl-
 Concen: 0.140 ppbv
 RT: 25.13 min Scan# 6901
 Delta R.T. 0.01 min
 Lab File: VL033253.D
 Acq: 6 Mar 2019 12:20

Tgt Ion: 142 Resp: 13323
 Ion Ratio Lower Upper
 142 100
 141 82.4 68.0 102.0
 115 44.3 34.1 51.1

