

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034414.D
 Acq On : 25 Nov 2019 20:18
 Operator : SY/AP
 Sample : K5971-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 7DL

Quant Time: Nov 26 04:10:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	904462	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1776739	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1737958	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1468007	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

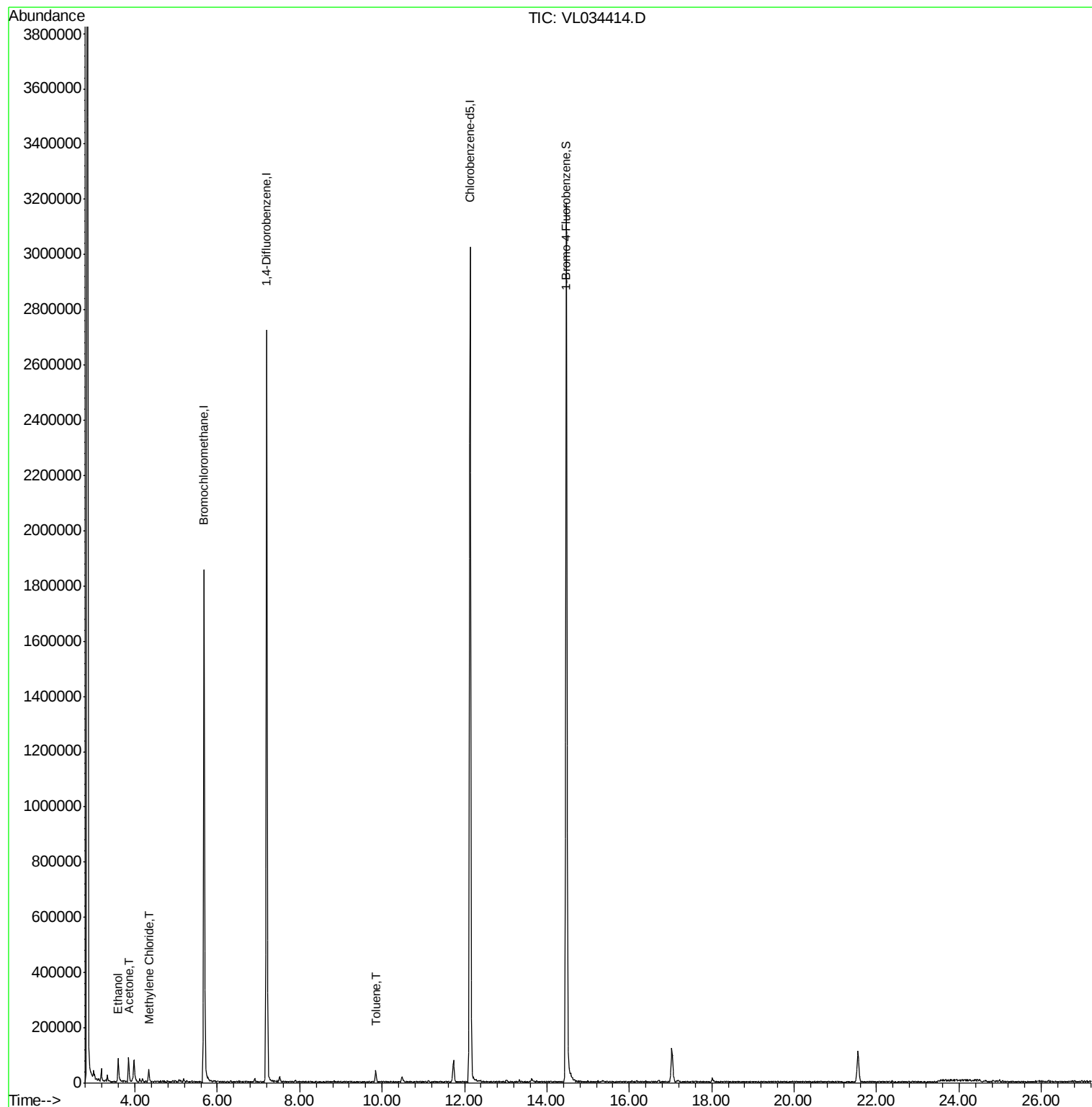
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	83639	5.993	ppbv	99
15) Acetone	3.84	43	79647	0.615	ppbv	99
20) Methylene Chloride	4.34	84	13127	0.286	ppbv #	82
53) Toluene	9.85	91	24776	0.123	ppbv	92

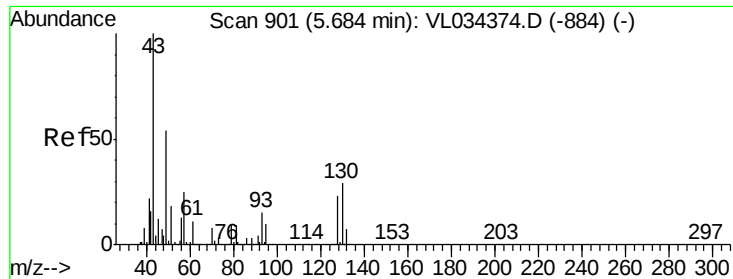
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034414.D

Acq: 25 Nov 2019 20:18

Instrument :

MSVOA_L

ClientSampleId :

7DL

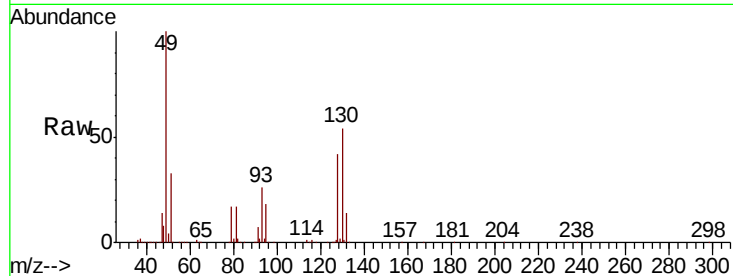
Tot Ion: 49 Resp: 904462

Ion Ratio Lower Upper

49 100

128 42.4 21.8 65.3

130 55.0 28.0 84.0



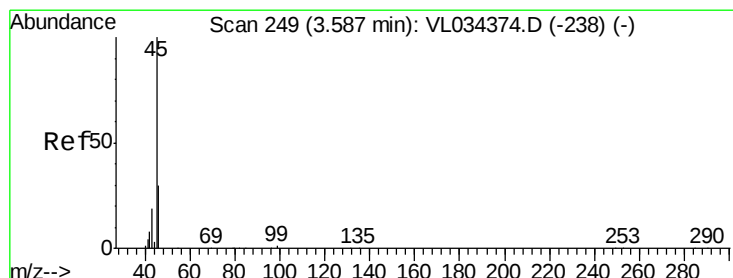
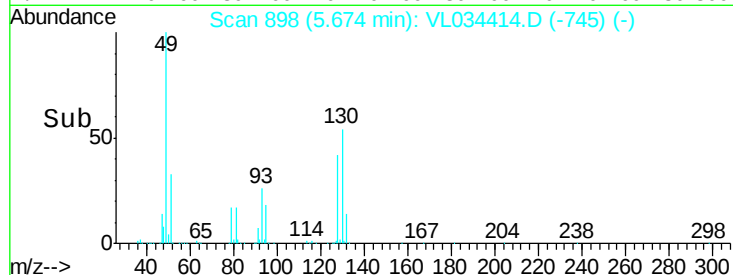
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#13

Ethanol

Concen: 5.993 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL034414.D

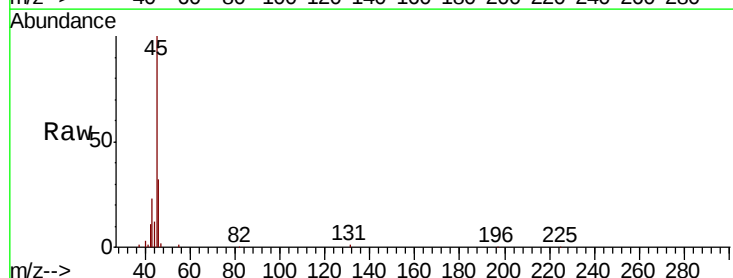
Acq: 25 Nov 2019 20:18

Tgt Ion: 45 Resp: 83639

Ion Ratio Lower Upper

45 100

46 34.3 13.8 55.4

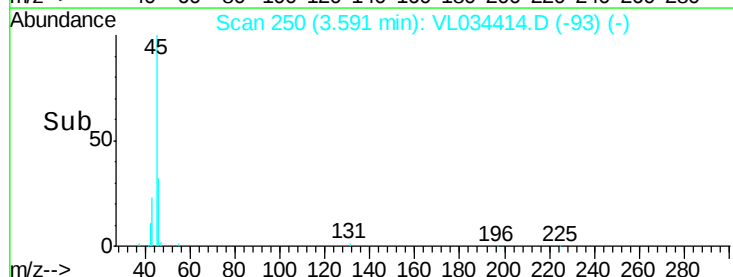


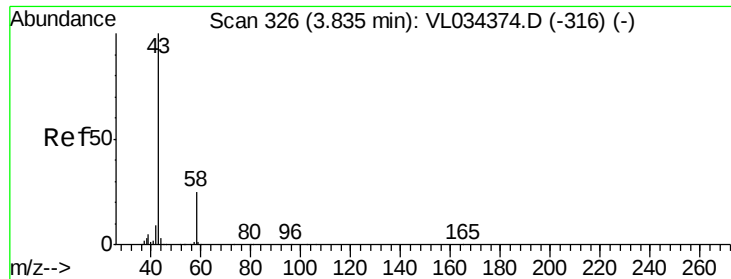
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.59

Time-->





#15

Acetone

Concen: 0.615 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL034414.D

Acq: 25 Nov 2019 20:18

Instrument :

MSVOA_L

ClientSampleId :

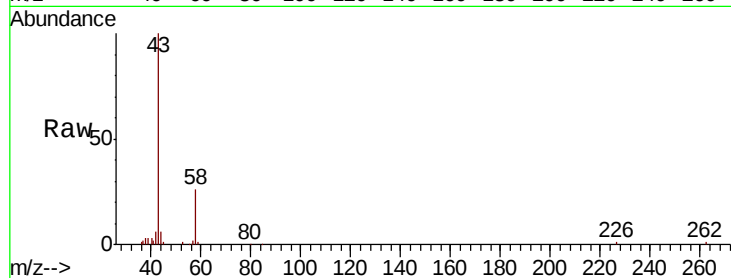
7DL

Tot Ion: 43 Resp: 79647

Ion Ratio Lower Upper

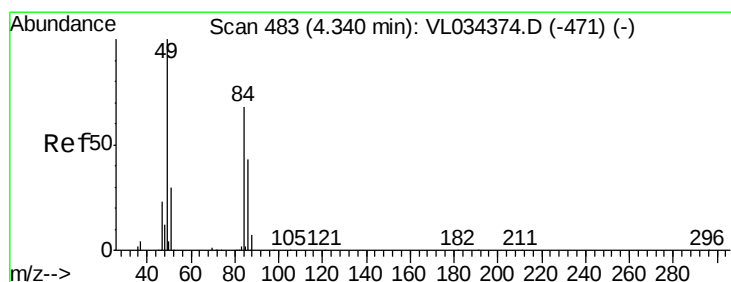
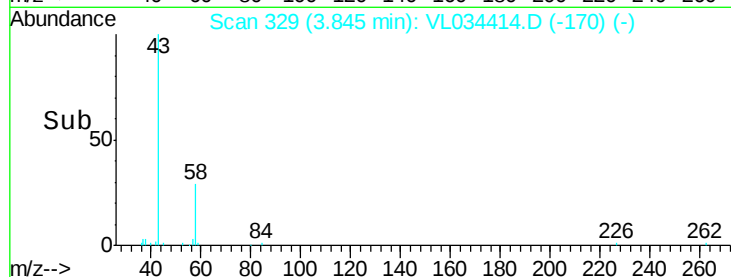
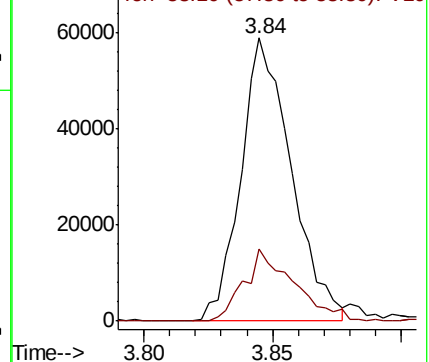
43 100

58 25.8 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.286 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL034414.D

Acq: 25 Nov 2019 20:18

Tgt Ion: 84 Resp: 13127

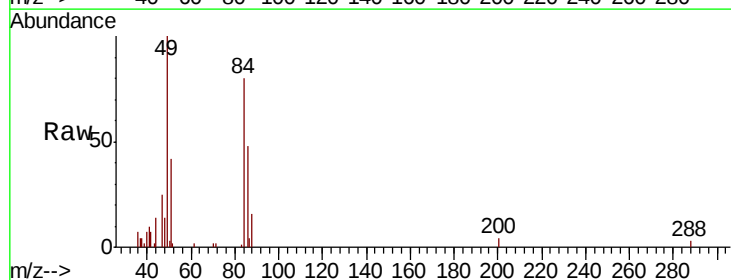
Ion Ratio Lower Upper

84 100

49 122.3 116.8 175.2

51 55.8 35.6 53.4#

86 52.2 50.7 76.1

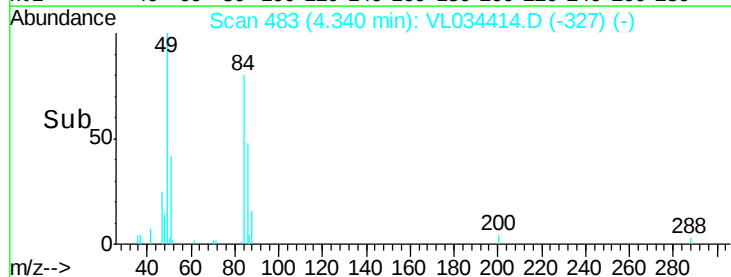
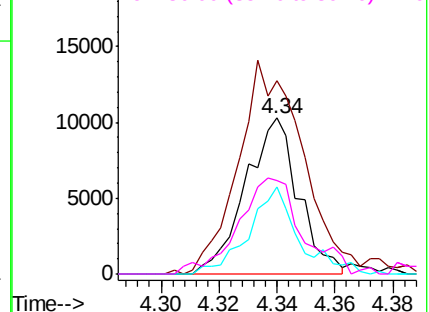


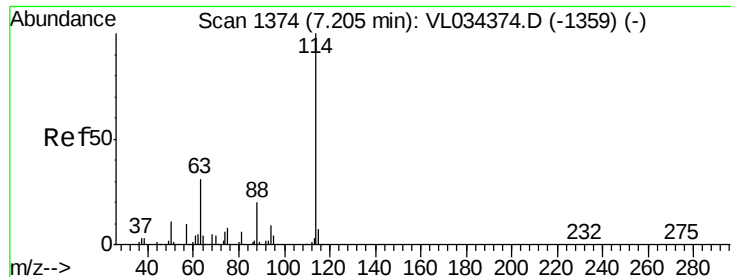
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

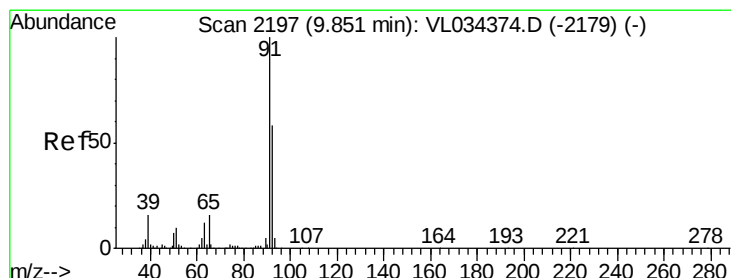
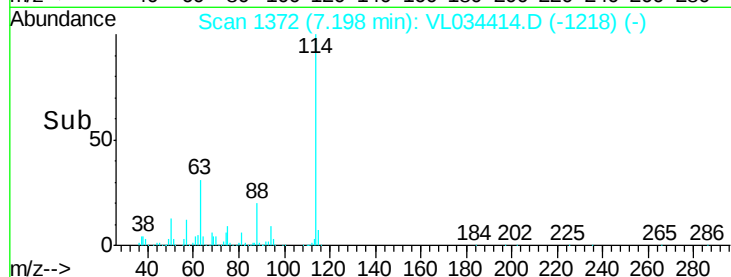
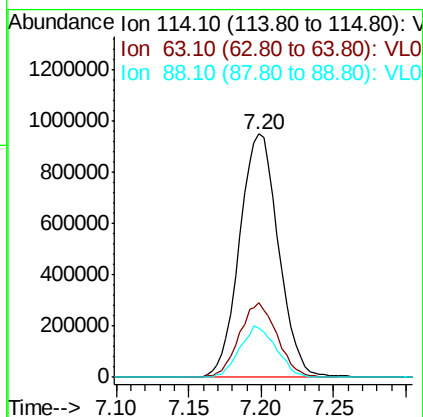
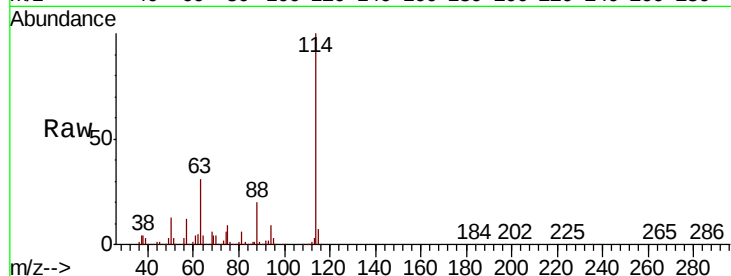




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: VL034414.D
 Acq: 25 Nov 2019 20:18

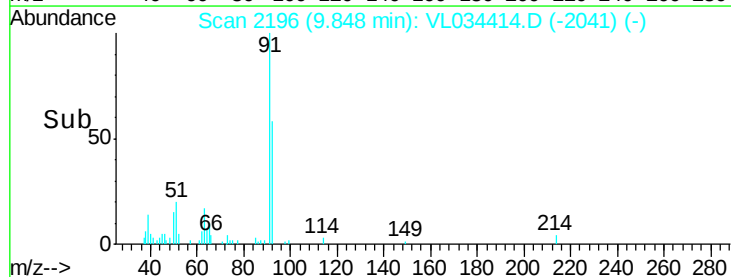
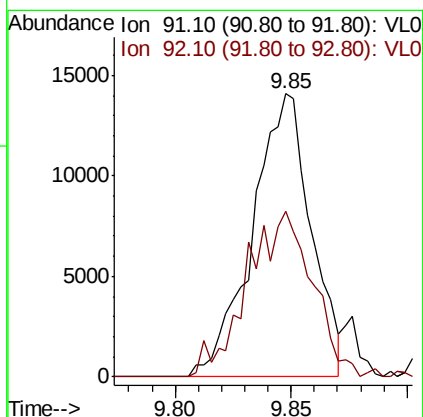
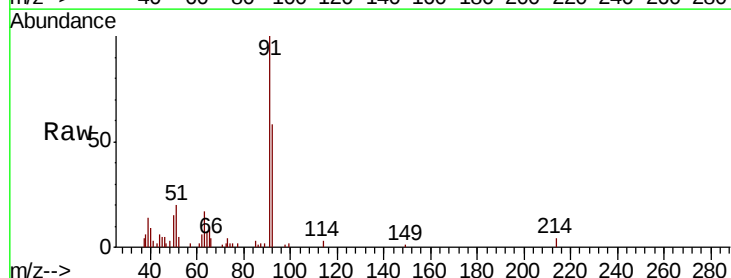
Instrument :
 MSVOA_L
 ClientSampleId :
 7DL

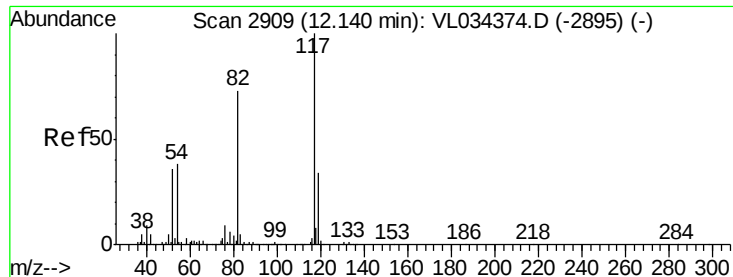
Tot Ion:114 Resp: 1776739
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.2 36.4
 88 19.9 15.9 23.9



#53
 Toluene
 Concen: 0.123 ppbv
 RT: 9.85 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VL034414.D
 Acq: 25 Nov 2019 20:18

Tgt Ion: 91 Resp: 24776
 Ion Ratio Lower Upper
 91 100
 92 66.2 47.9 71.9

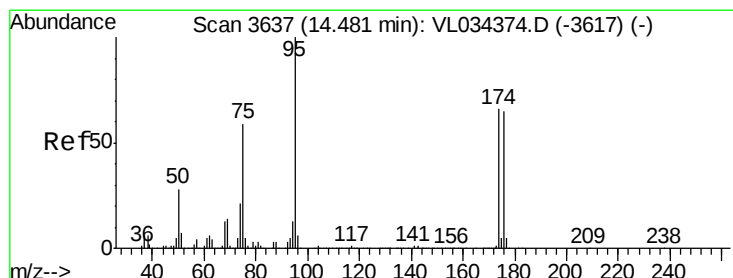
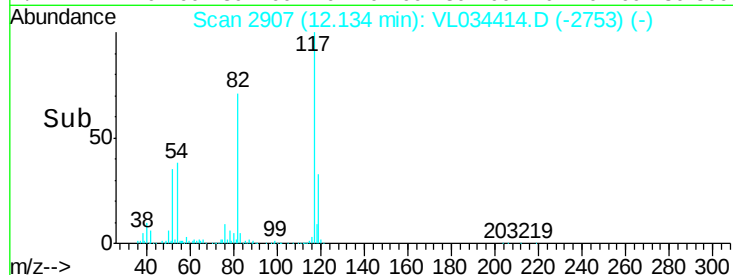
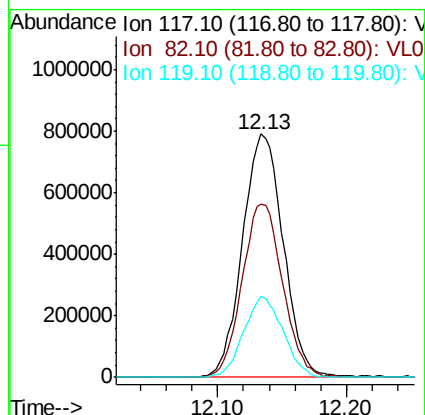
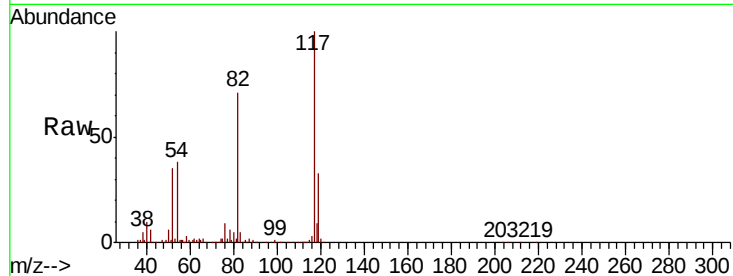




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034414.D
Acq: 25 Nov 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :
7DL

Tot Ion:117 Resp: 1737958
Ion Ratio Lower Upper
117 100
82 71.3 57.5 86.3
119 32.3 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.040 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034414.D
Acq: 25 Nov 2019 20:18

Tgt Ion: 95 Resp: 1468007
Ion Ratio Lower Upper
95 100
174 65.8 52.2 78.2
175 4.8 3.8 5.8

