

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034245.D
 Acq On : 8 Oct 2019 9:14
 Operator : SY/AP
 Sample : K5225-02DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL2

Quant Time: Oct 10 20:46:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	901768	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1676196	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1687136	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1479002	10.09	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

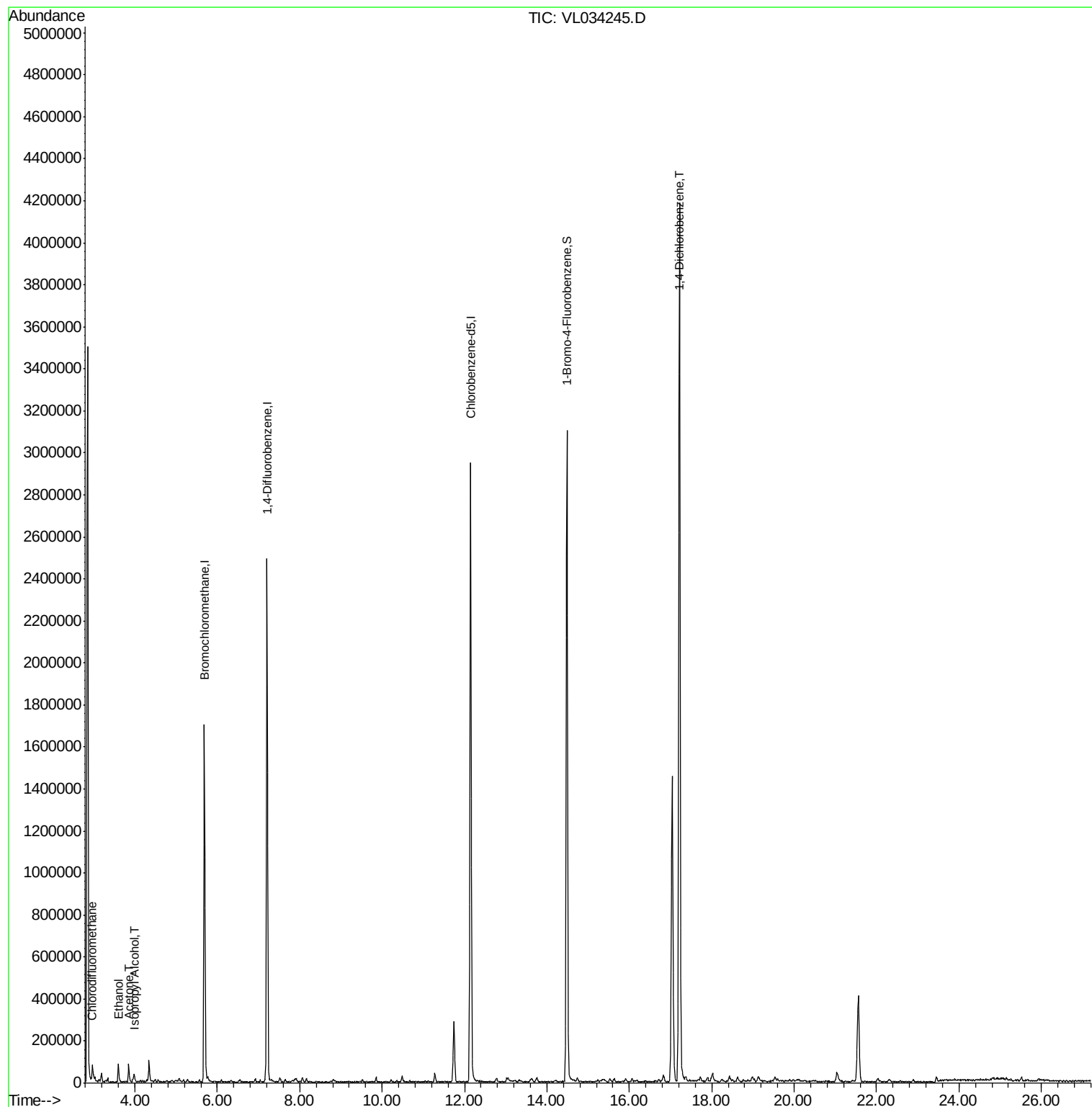
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	63883	0.604	ppbv	96
13) Ethanol	3.59	45	80814	6.398	ppbv	100
15) Acetone	3.85	43	75987	0.629	ppbv	98
19) Isopropyl Alcohol	3.98	45	32956	0.443	ppbv #	90
76) 1,4-Dichlorobenzene	17.21	146	2030463	14.142	ppbv	99

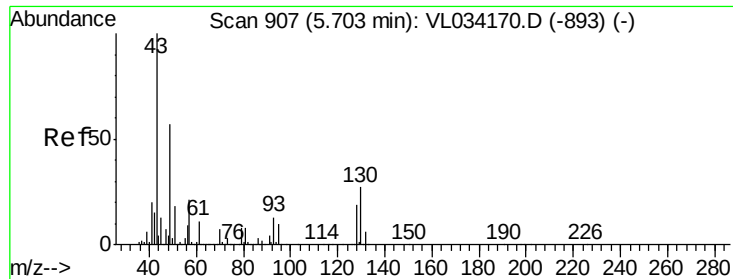
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.02 min

Lab File: VL034245.D

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MSVOA_L

ClientSampleId :

IA3DL2

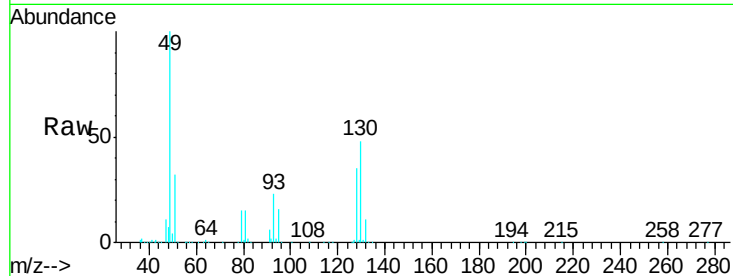
Tgt Ion: 49 Resp: 901768

Ion Ratio Lower Upper

49 100

128 37.2 17.6 52.9

130 47.0 22.3 66.9



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

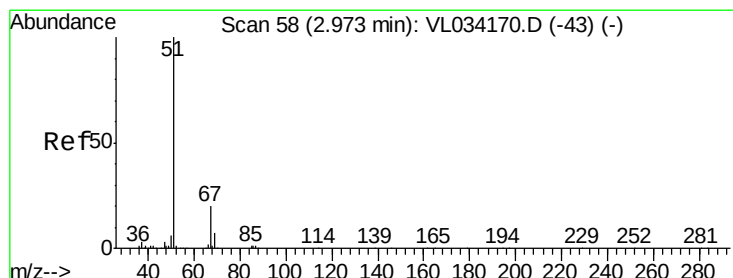
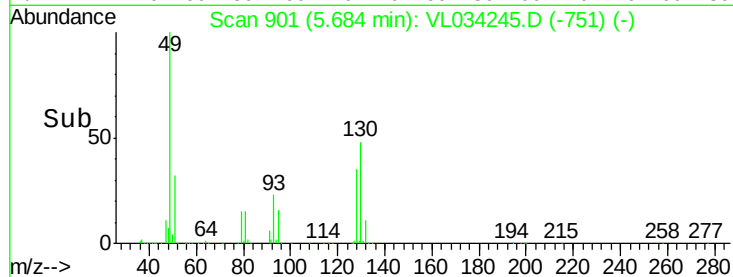
5.68

400000

200000

0

Time--> 5.60 5.65 5.70 5.75



#3

Chlorodifluoromethane

Concen: 0.604 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034245.D

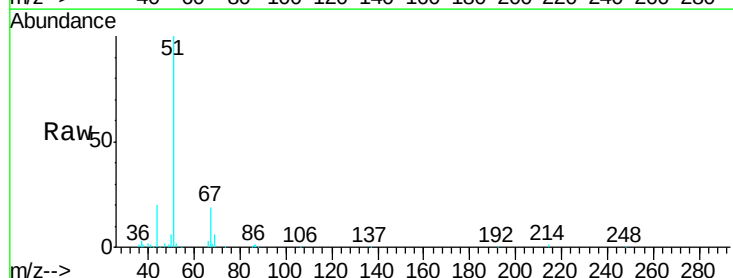
Acq: 8 Oct 2019 9:14

Tgt Ion: 51 Resp: 63883

Ion Ratio Lower Upper

51 100

67 16.8 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

50000

40000

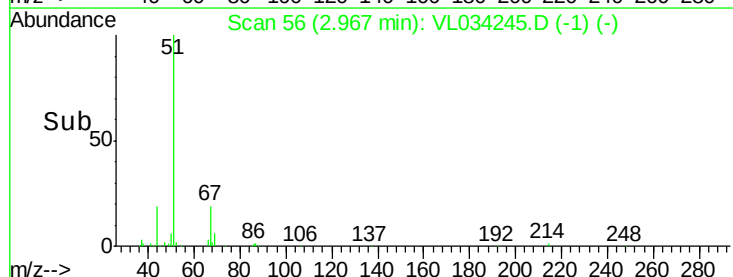
30000

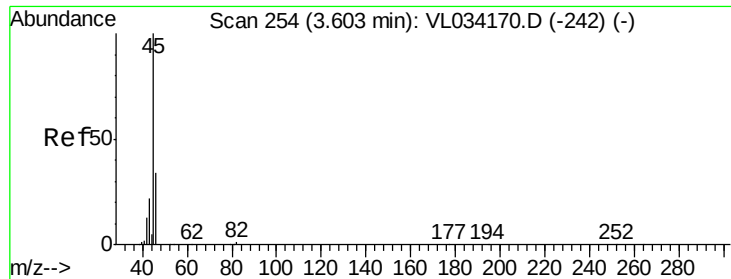
20000

10000

0

Time--> 2.90 2.95 3.00

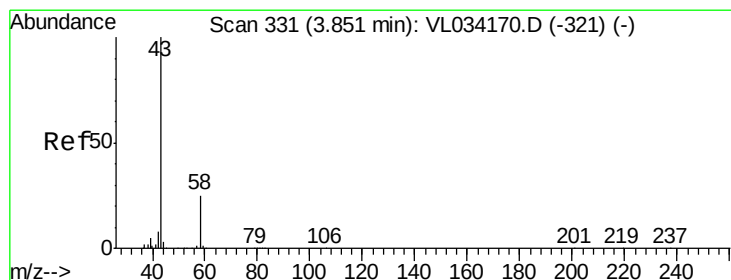
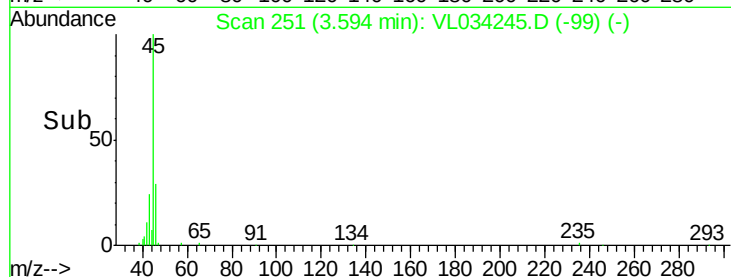
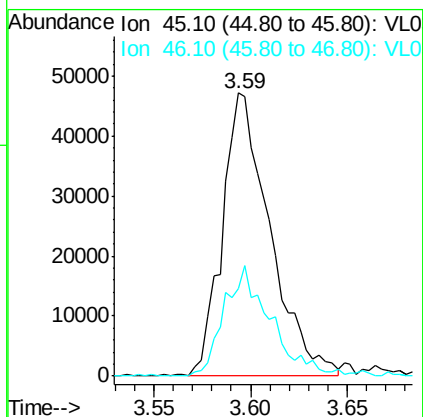
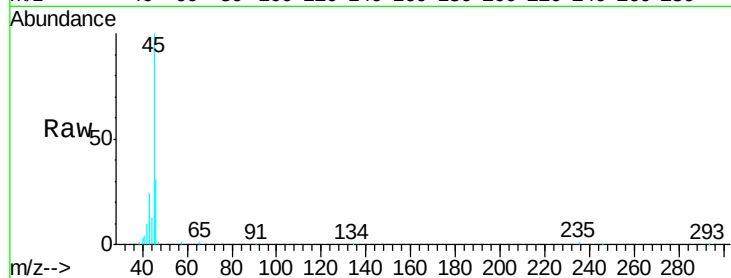




#13
Ethanol
Concen: 6.398 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034245.D
Acq: 8 Oct 2019 9:14

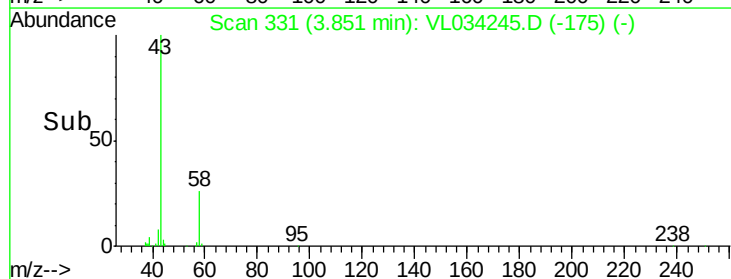
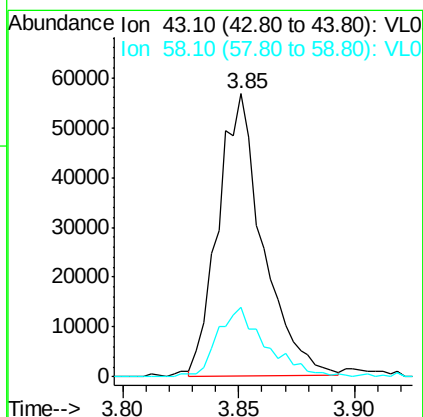
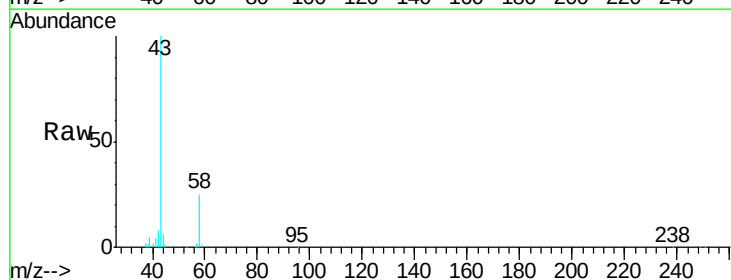
Instrument :
MSVOA_L
ClientSampleId :
IA3DL2

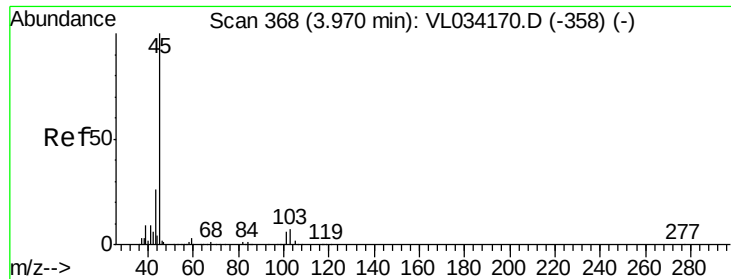
Tgt Ion: 45 Resp: 80814
Ion Ratio Lower Upper
45 100
46 38.9 15.5 61.9



#15
Acetone
Concen: 0.629 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL034245.D
Acq: 8 Oct 2019 9:14

Tgt Ion: 43 Resp: 75987
Ion Ratio Lower Upper
43 100
58 26.7 20.5 30.7

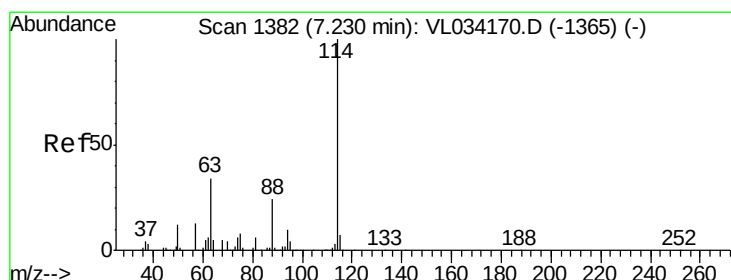
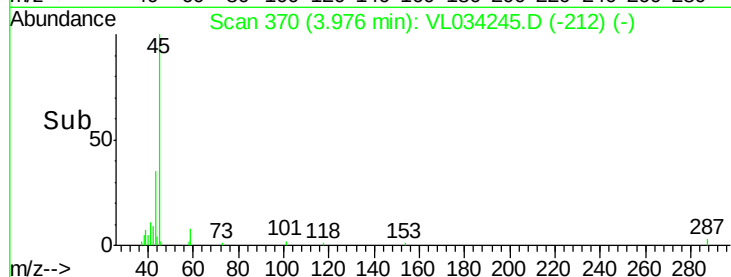
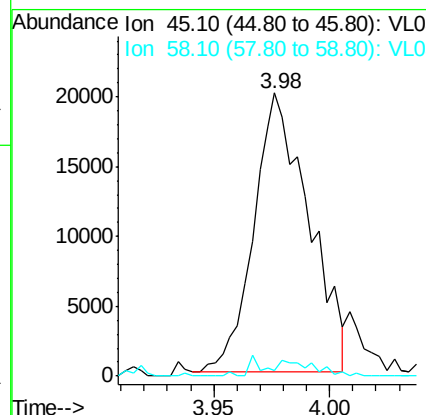
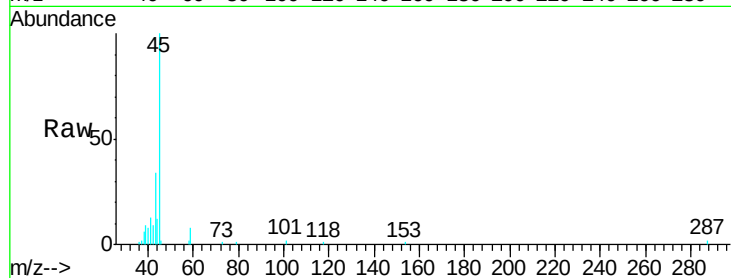




#19
Isopropyl Alcohol
Concen: 0.443 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL034245.D
Acq: 8 Oct 2019 9:14

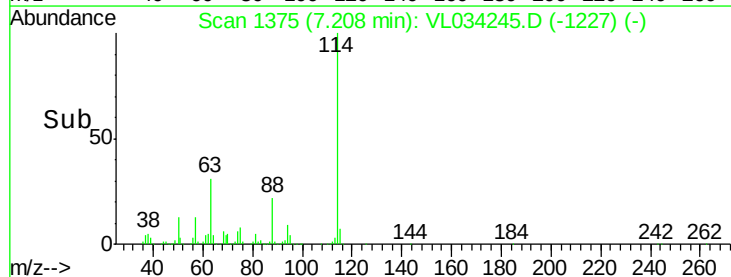
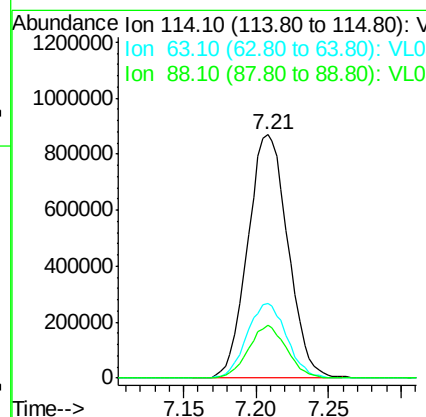
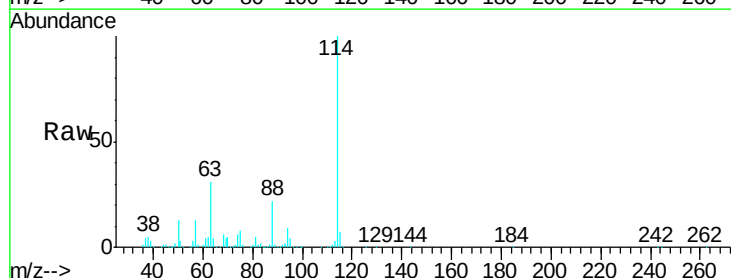
Instrument :
MSVOA_L
ClientSampleId :
IA3DL2

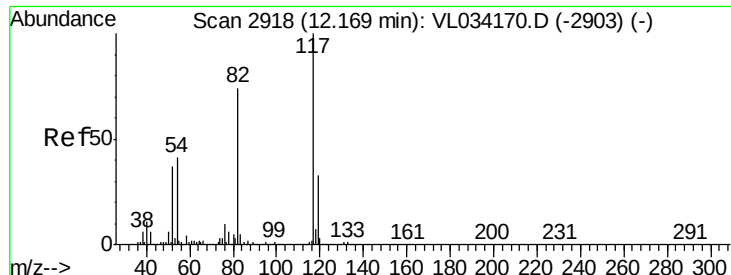
Tgt Ion: 45 Resp: 32956
Ion Ratio Lower Upper
45 100
58 5.5 1.4 2.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.02 min
Lab File: VL034245.D
Acq: 8 Oct 2019 9:14

Tgt Ion: 114 Resp: 1676196
Ion Ratio Lower Upper
114 100
63 30.6 27.8 41.6
88 20.6 17.1 25.7

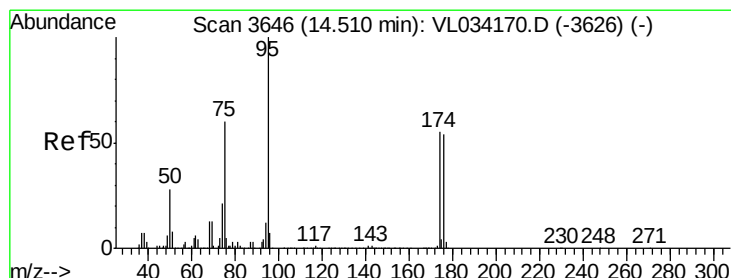
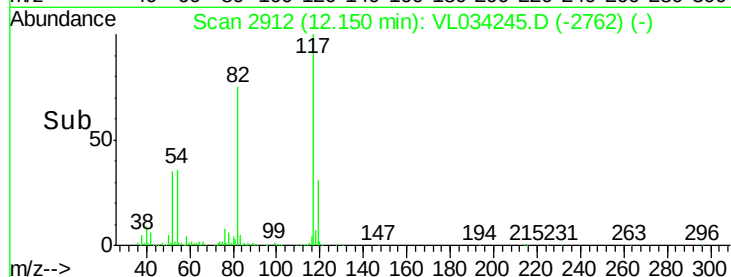
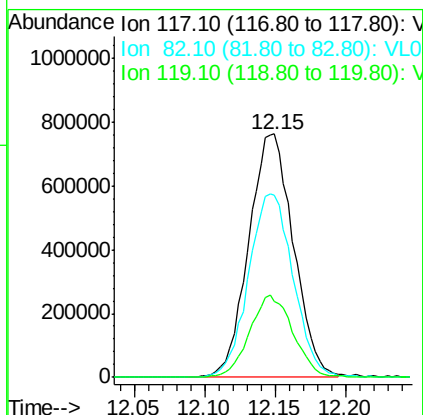
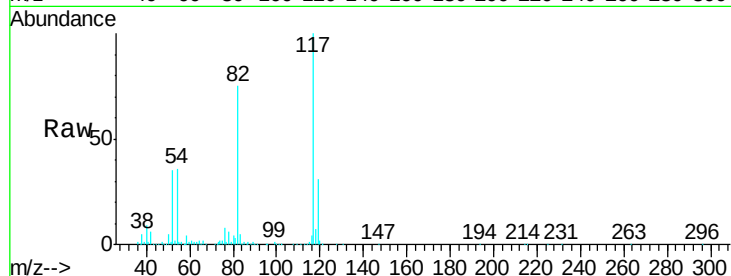




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034245.D
Acq: 8 Oct 2019 9:14

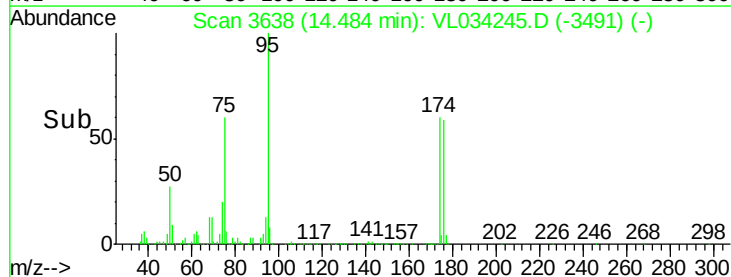
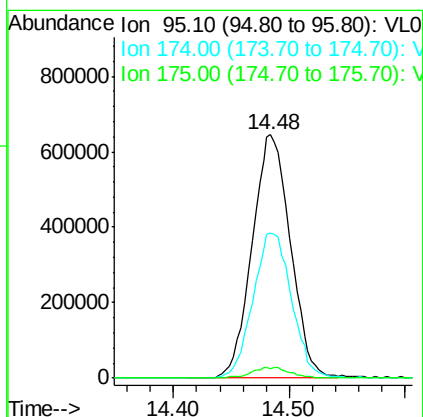
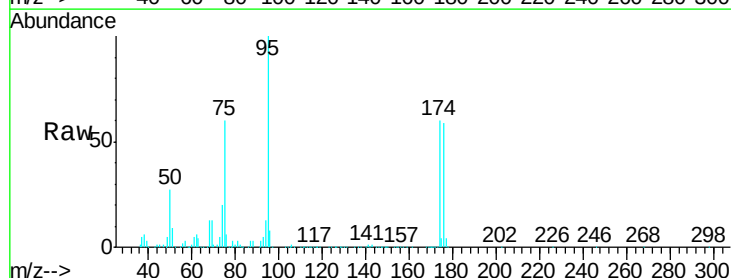
Instrument :
MSVOA_L
ClientSampleId :
IA3DL2

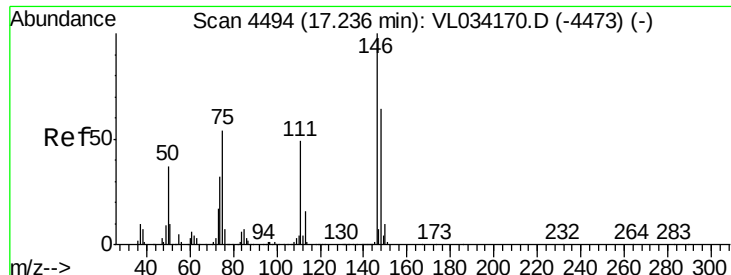
Tgt Ion: 117 Resp: 1687136
Ion Ratio Lower Upper
117 100
82 76.0 58.2 87.4
119 33.2 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.089 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.03 min
Lab File: VL034245.D
Acq: 8 Oct 2019 9:14

Tgt Ion: 95 Resp: 1479002
Ion Ratio Lower Upper
95 100
174 60.1 45.1 67.7
175 4.4 3.3 4.9





#76

1,4-Dichlorobenzene

Concen: 14.142 ppbv

RT: 17.21 min Scan# 4487

Delta R.T. -0.02 min

Lab File: VL034245.D

Acq: 8 Oct 2019 9:14

Instrument :

MSVOA_L

ClientSampleId :

IA3DL2

Tgt Ion:146 Resp: 2030463

Ion Ratio Lower Upper

146 100

111 47.7 24.6 74.0

148 64.7 32.4 97.0

