

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034234.D
 Acq On : 7 Oct 2019 22:56
 Operator : SY/AP
 Sample : K5225-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

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 10/11/2019 5:05:29 PM

Quant Time: Oct 09 03:45:56 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
 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	5.69	49	1111386	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1826308	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.16	117	1856313	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1664423	10.32	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	145935	1.120	ppbv	97
13) Ethanol	3.60	45	263031	16.895	ppbv	95
15) Acetone	3.85	43	235422	1.580	ppbv	99
19) Isopropyl Alcohol	3.97	45	62970m	0.687	ppbv	
34) 2-Butanone	5.27	43	33623m	0.180	ppbv	
76) 1,4-Dichlorobenzene	17.22	146	2380390	15.069	ppbv	99

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

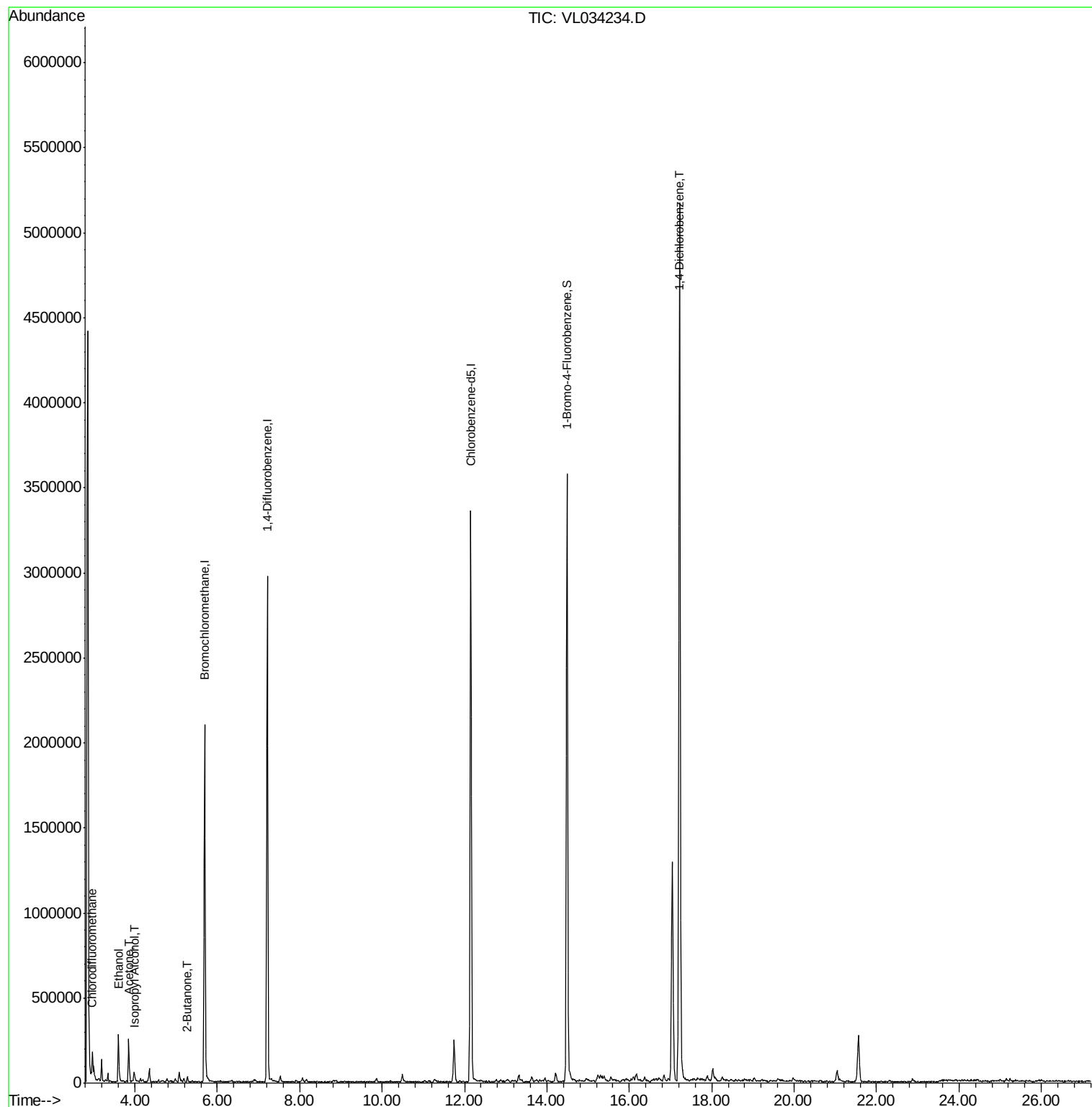
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034234.D
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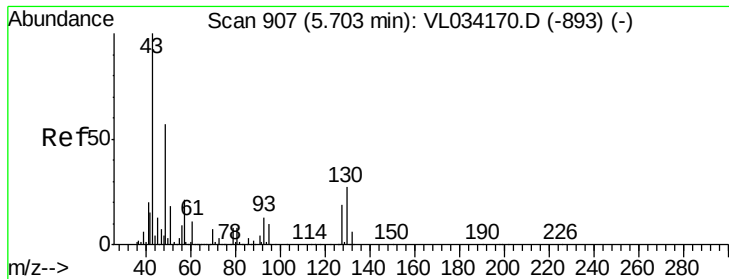
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Oct 09 03:45:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034234.D

Acq: 7 Oct 2019 22:56

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tgt Ion: 49 Resp: 1111386

Ion Ratio Lower Upper

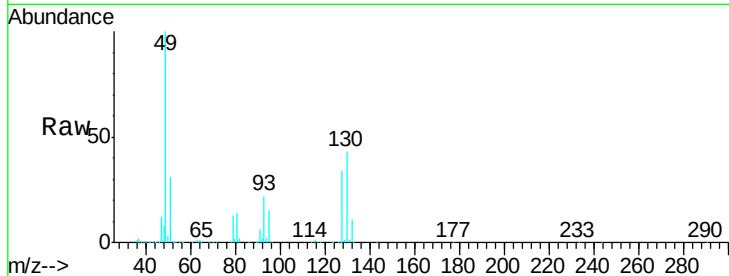
49 100

128 35.4 17.6 52.9

130 44.9 22.3 66.9

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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

800000

600000

400000

200000

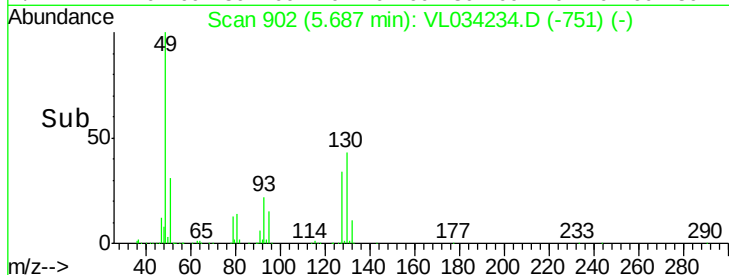
0

5.60

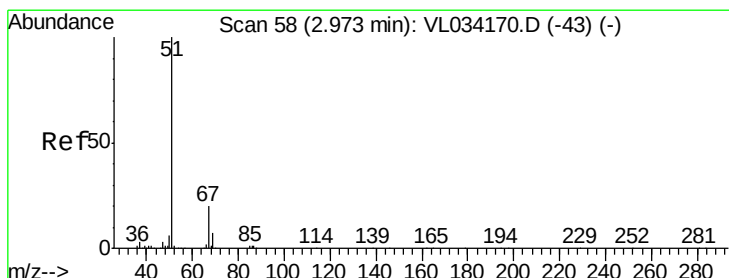
5.65

5.70

5.75



Time-->



#3

Chlorodifluoromethane

Concen: 1.120 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034234.D

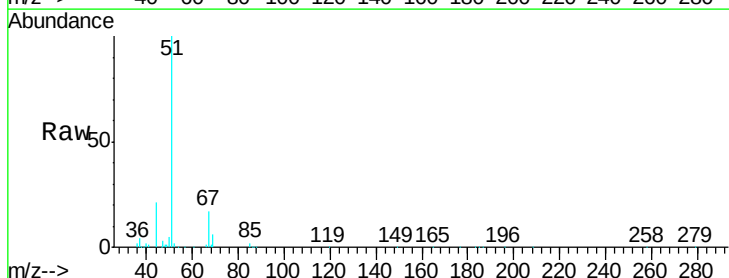
Acq: 7 Oct 2019 22:56

Tgt Ion: 51 Resp: 145935

Ion Ratio Lower Upper

51 100

67 17.3 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

120000

100000

80000

60000

40000

20000

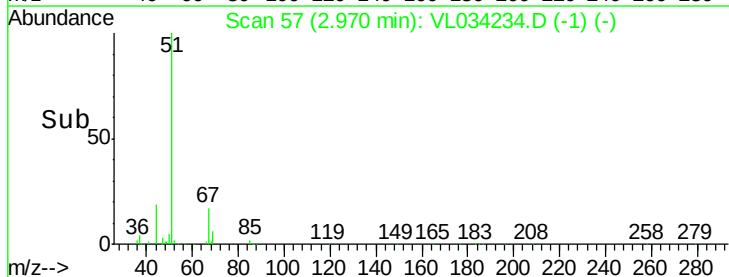
0

2.90

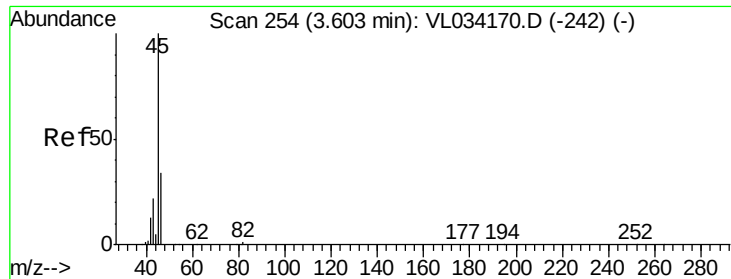
2.95

3.00

3.05



Time-->



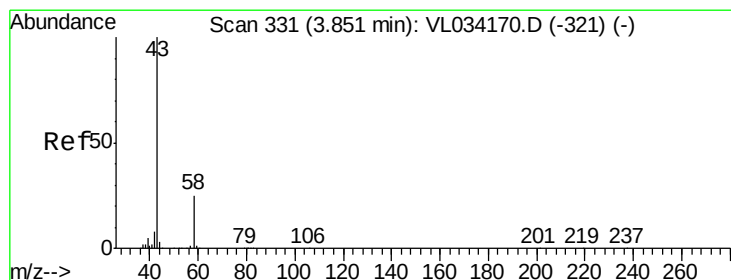
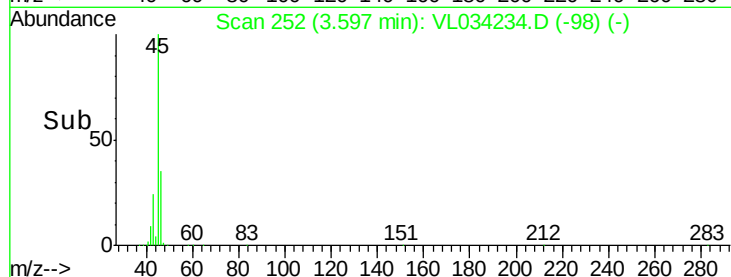
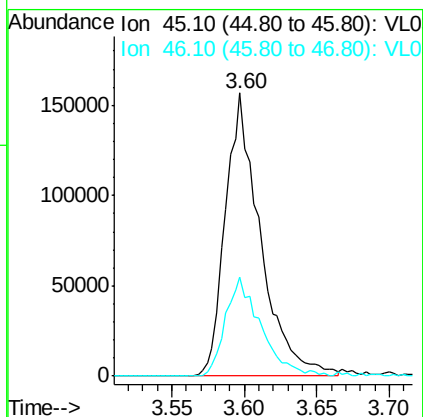
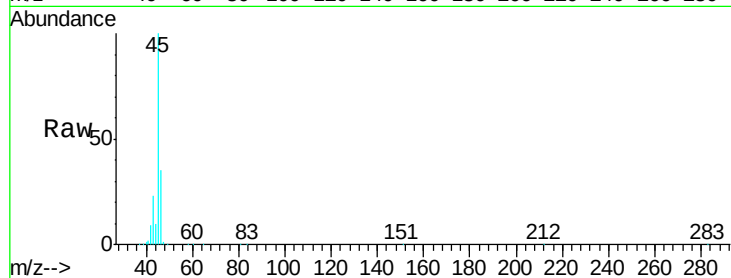
#13
Ethanol
Concen: 16.895 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034234.D
Acq: 7 Oct 2019 22:56

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tgt Ion: 45 Resp: 263031
Ion Ratio Lower Upper
45 100
46 35.7 15.5 61.9

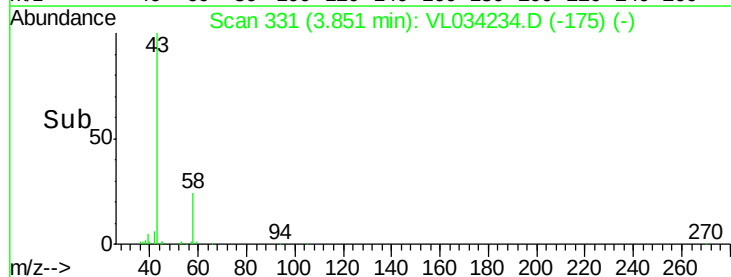
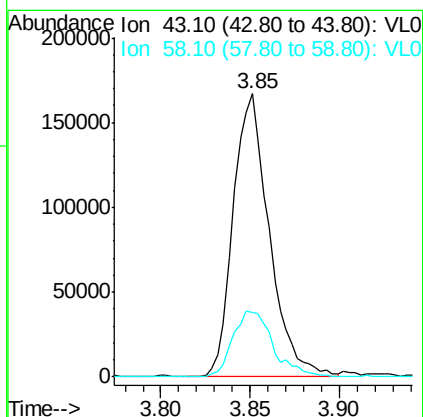
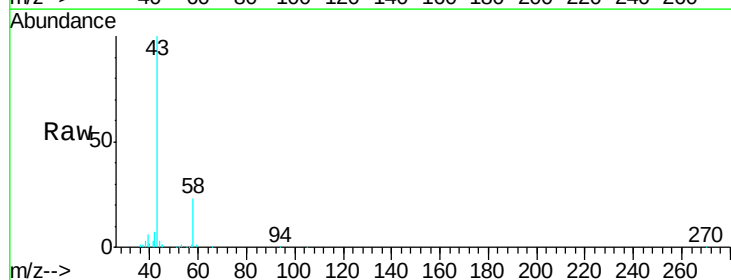
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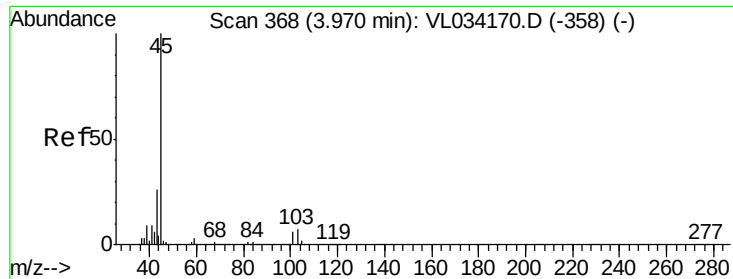
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#15
Acetone
Concen: 1.580 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034234.D
Acq: 7 Oct 2019 22:56

Tgt Ion: 43 Resp: 235422
Ion Ratio Lower Upper
43 100
58 26.1 20.5 30.7





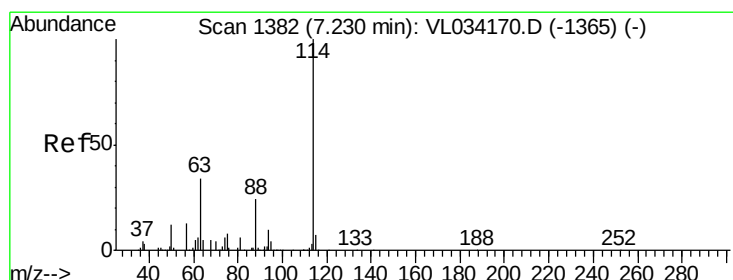
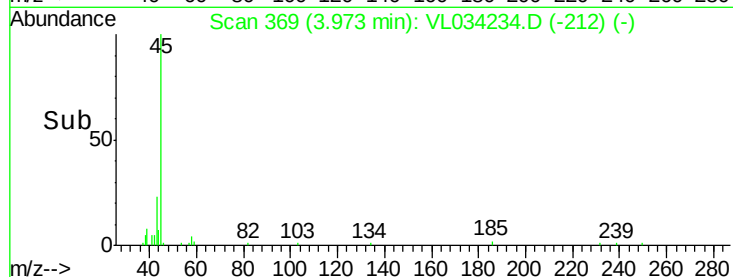
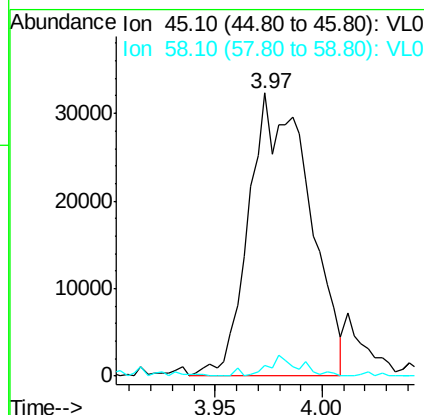
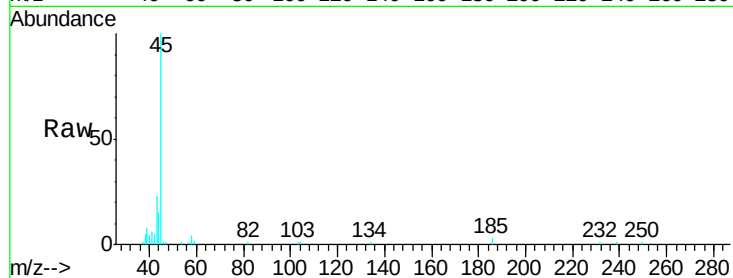
#19
Isopropyl Alcohol
Concen: 0.687 ppbv m
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL034234.D
Acq: 7 Oct 2019 22:56

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 45 Resp: 62970
Ion Ratio Lower Upper
45 100
58 4.1 1.4 2.0#

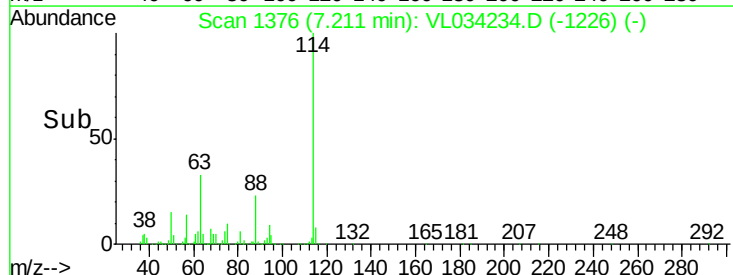
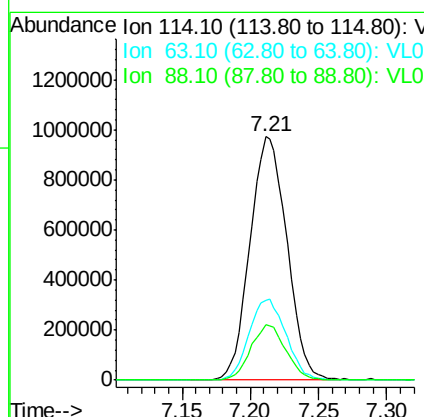
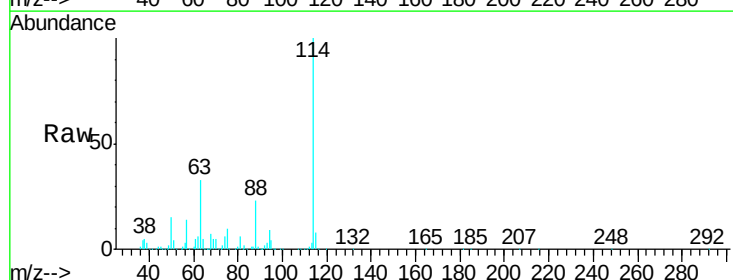
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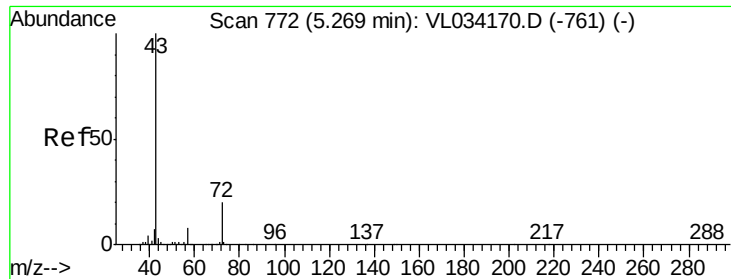
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034234.D
Acq: 7 Oct 2019 22:56

Tgt Ion: 114 Resp: 1826308
Ion Ratio Lower Upper
114 100
63 33.6 27.8 41.6
88 21.7 17.1 25.7





#34

2-Butanone

Concen: 0.180 ppbv m

RT: 5.27 min Scan# 773

Delta R.T. 0.00 min

Lab File: VL034234.D

Acq: 7 Oct 2019 22:56

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tgt Ion: 43 Resp: 33623

Ion Ratio Lower Upper

43 100

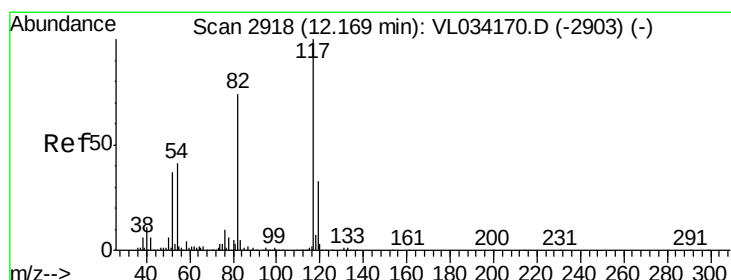
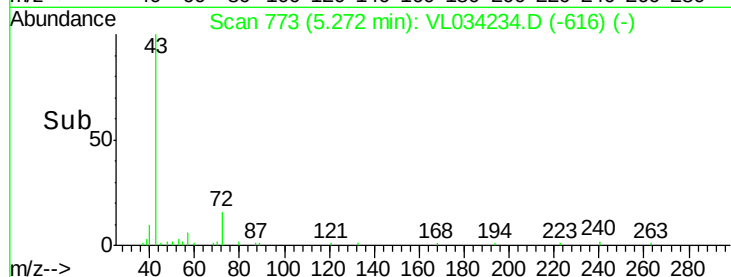
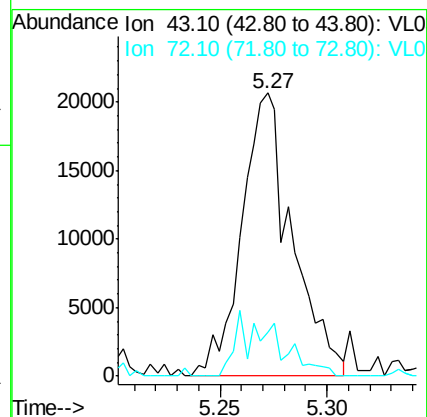
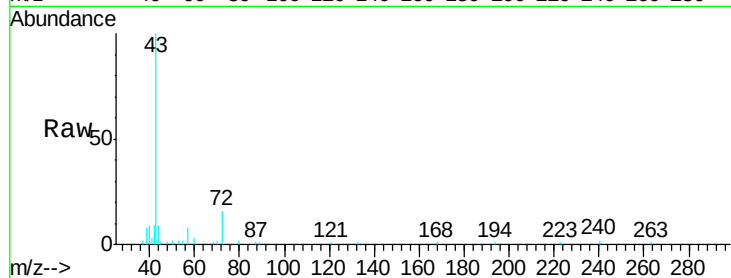
72 17.8 15.0 22.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL034234.D

Acq: 7 Oct 2019 22:56

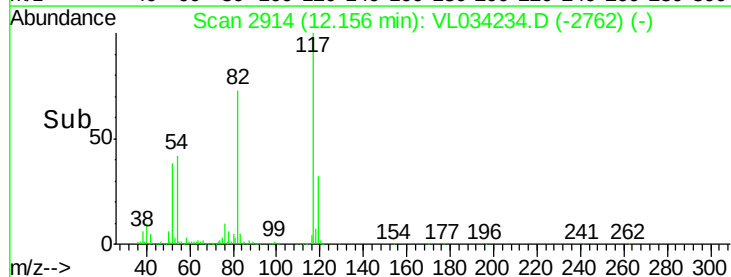
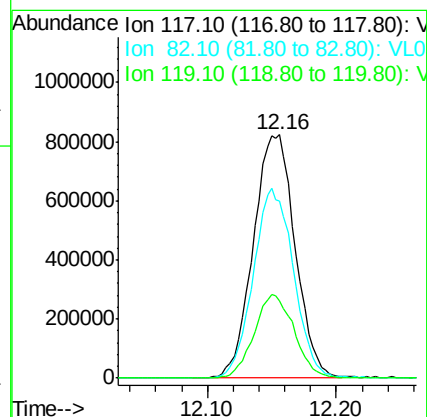
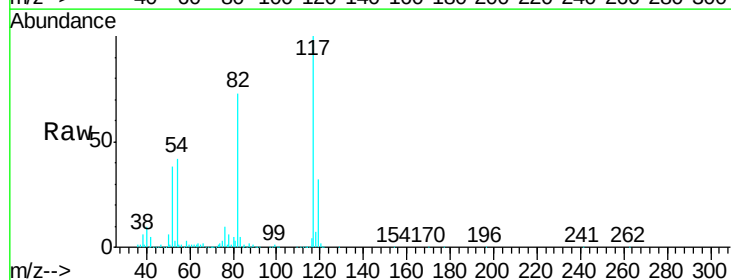
Tgt Ion: 117 Resp: 1856313

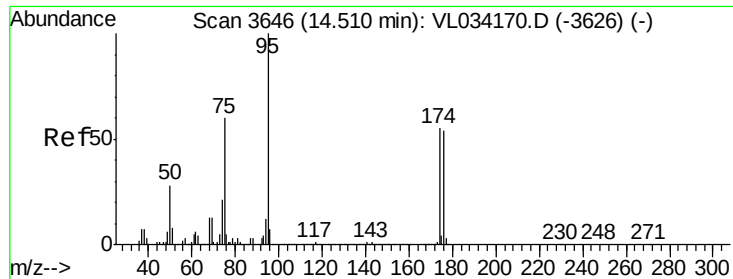
Ion Ratio Lower Upper

117 100

82 75.5 58.2 87.4

119 33.1 23.7 35.5





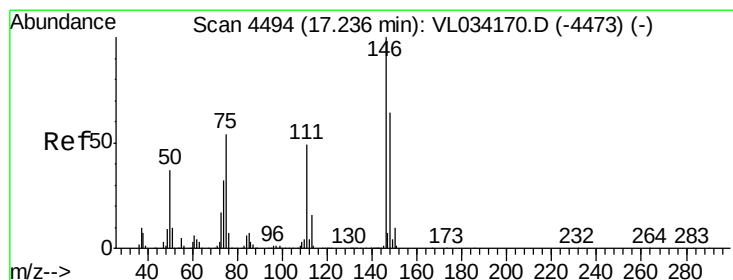
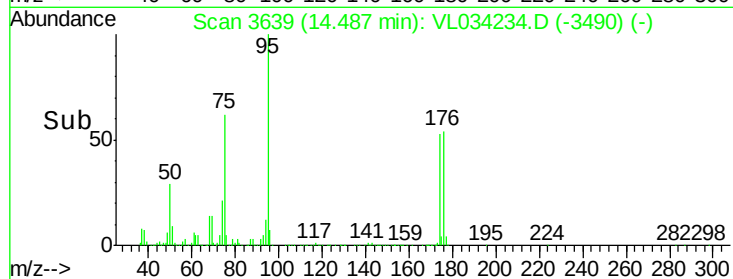
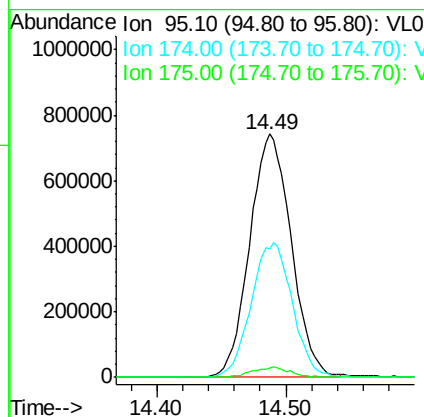
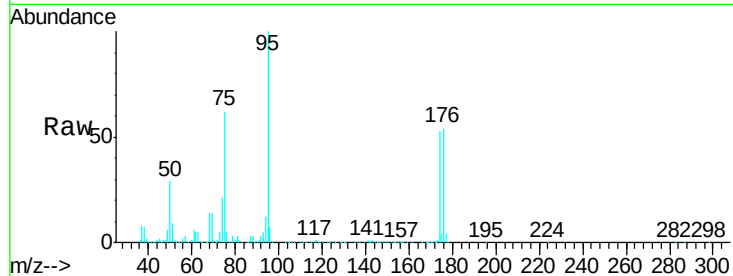
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.319 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034234.D
 Acq: 7 Oct 2019 22:56

Instrument :
 MSVOA_L
 ClientSampled :
 IA2DL

Tgt Ion: 95 Resp: 1664423
 Ion Ratio Lower Upper
 95 100
 174 55.1 45.1 67.7
 175 4.0 3.3 4.9

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#76
 1,4-Dichlorobenzene
 Concen: 15.069 ppbv
 RT: 17.22 min Scan# 4488
 Delta R.T. -0.02 min
 Lab File: VL034234.D
 Acq: 7 Oct 2019 22:56

Tgt Ion: 146 Resp: 2380390
 Ion Ratio Lower Upper
 146 100
 111 50.9 24.6 74.0
 148 64.8 32.4 97.0

