

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033651.D
 Acq On : 3 May 2019 6:20
 Operator : SY/AP
 Sample : K2628-13DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-13DL

Manual Integrations
 APPROVED

MMDadoda
 5/4/2019 7:20:00 AM

Quant Time: May 03 08:39:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 08:39:42 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1012413	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2305940	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2360094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1977976	11.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	15835	0.104	ppbv	# 81
3) Chlorodifluoromethane	3.02	51	84756m	0.700	ppbv	
13) Ethanol	3.65	45	161562	10.281	ppbv	95
15) Acetone	3.91	43	67936	0.551	ppbv	98
53) Toluene	9.94	91	161176	0.650	ppbv	95

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

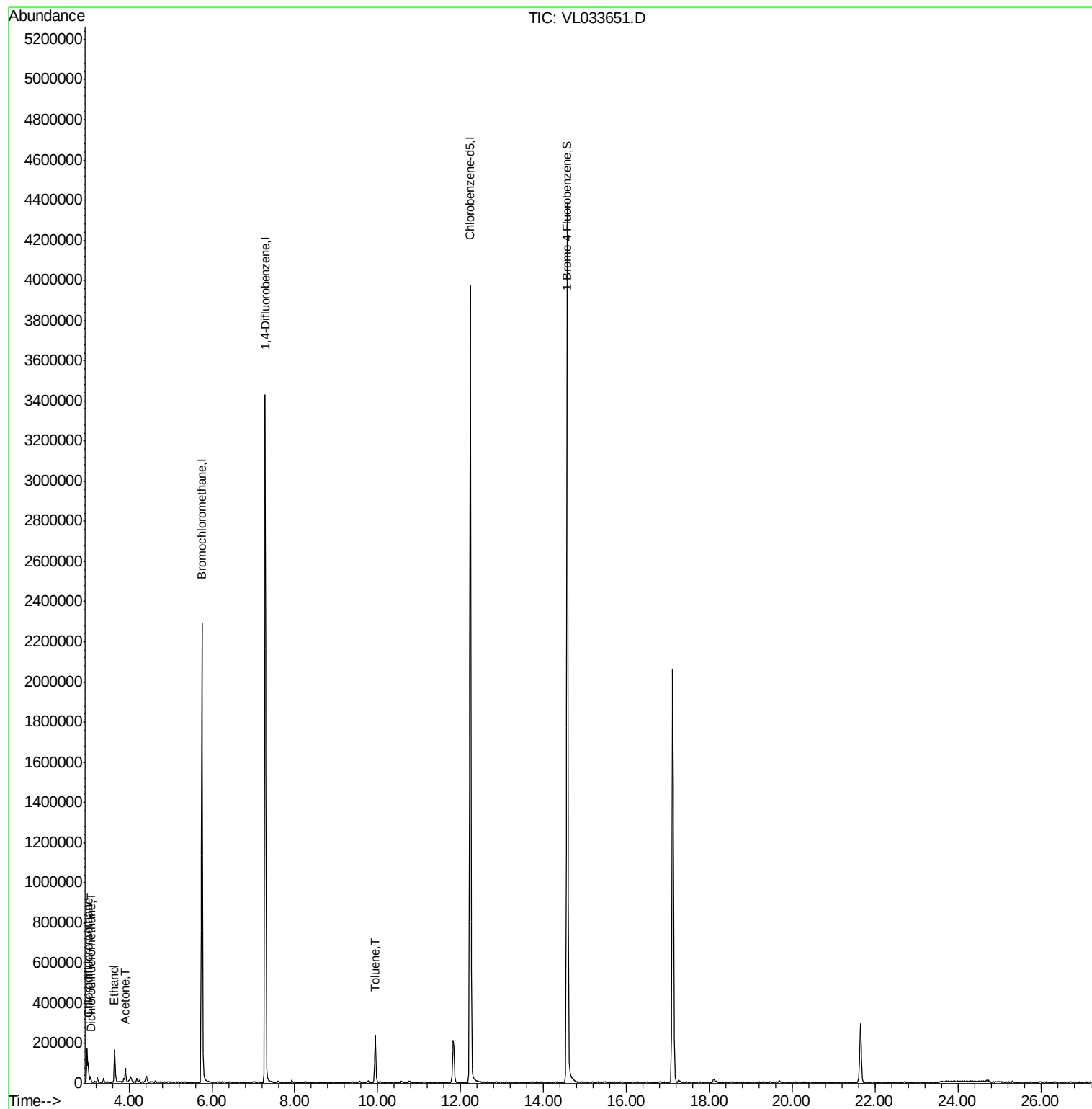
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050219\
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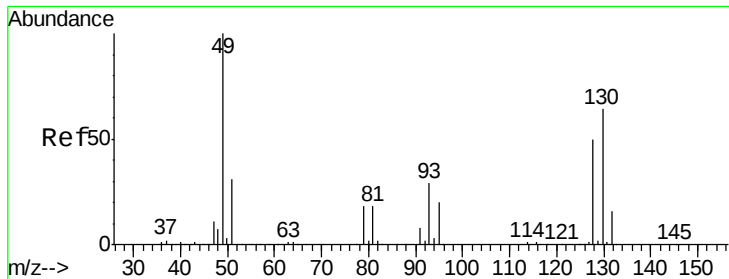
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MSVOA_L
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Quant Time: May 03 08:39:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
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QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

A-13DL

Tot Ion: 49 Resp: 1012413

Ion Ratio Lower Upper

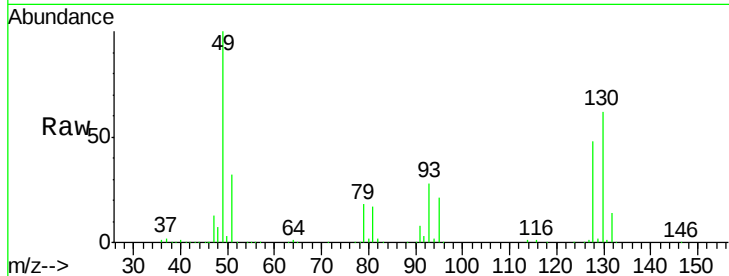
49 100

128 49.1 25.0 75.0

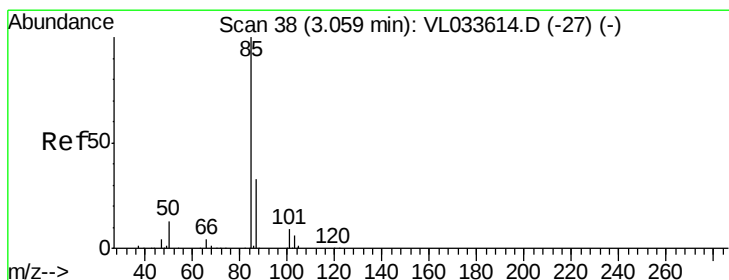
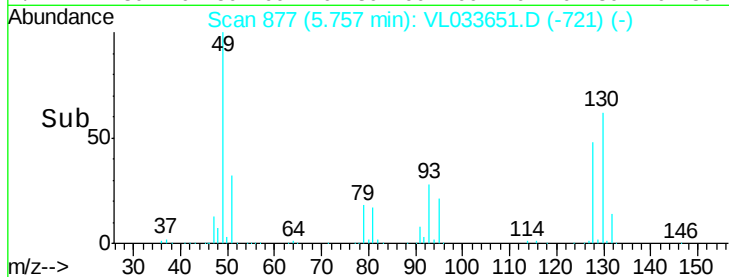
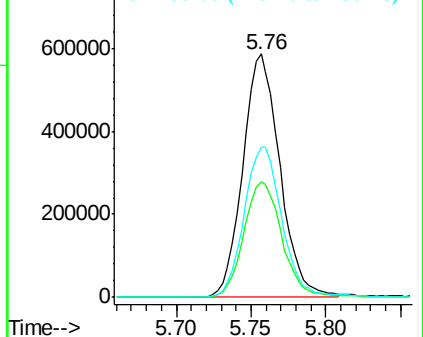
130 63.6 31.9 95.9

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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



#2

Dichlorodifluoromethane

Concen: 0.104 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.02 min

Lab File: VL033651.D

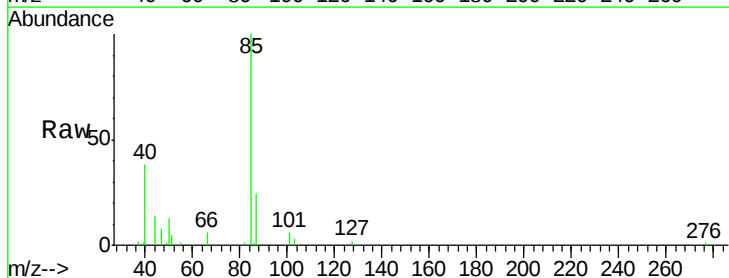
Acq: 3 May 2019 6:20

Tgt Ion: 85 Resp: 15835

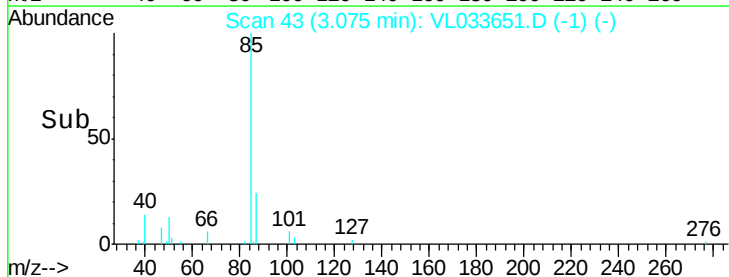
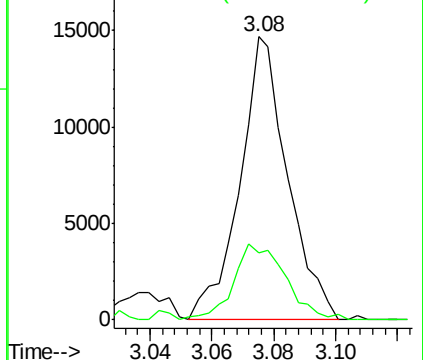
Ion Ratio Lower Upper

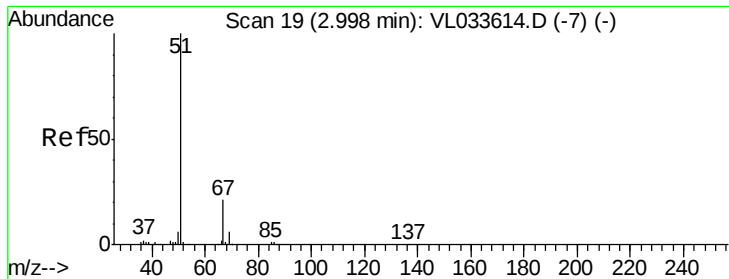
85 100

87 22.5 26.8 40.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

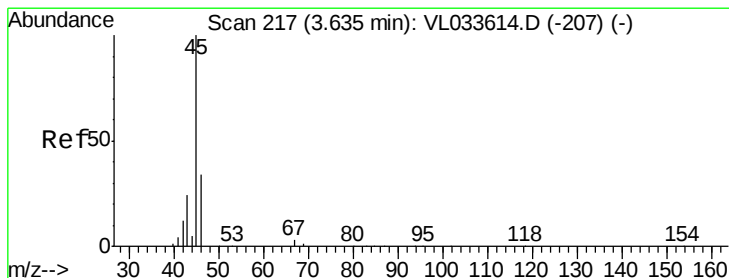
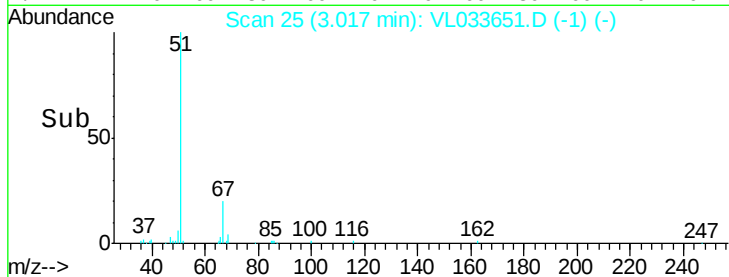
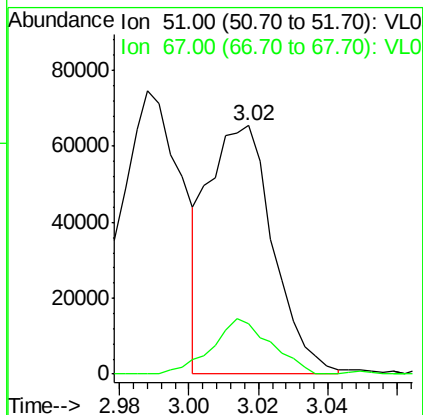
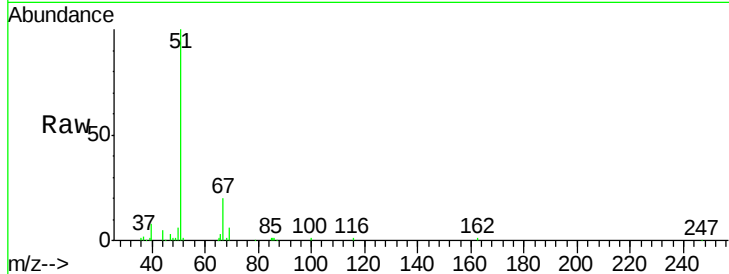
Chlorodifluoromethane
 Concen: 0.700 ppbv
 RT: 3.02 min Scan# 25
 Delta R.T. 0.02 min
 Lab File: VL033651.D
 Acq: 3 May 2019 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 A-13DL

Tot Ion	51	Resp	84756
Ion Ratio	100	Lower	Upper
51	100		
67	20.7	15.6	23.4

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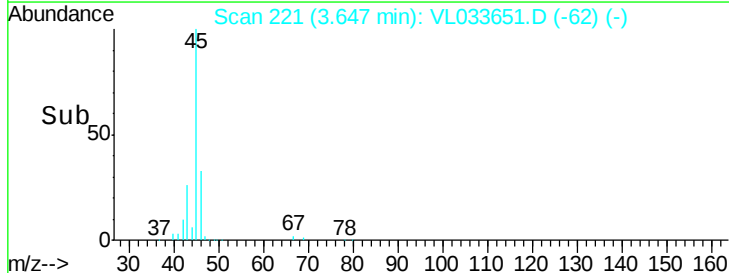
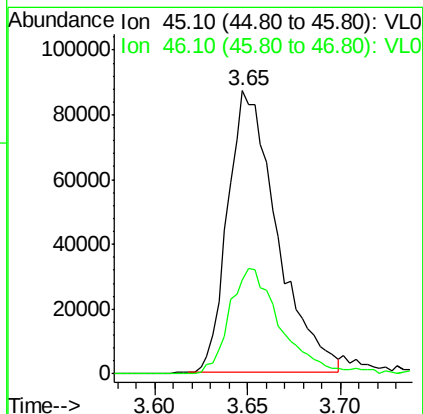
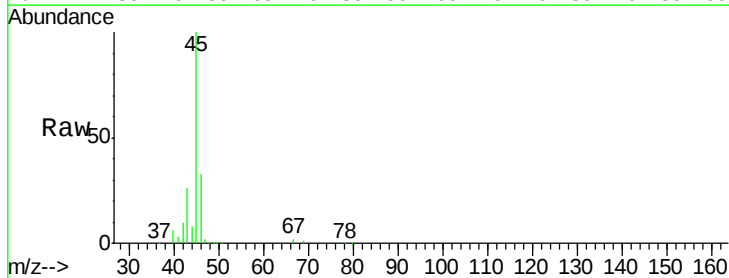
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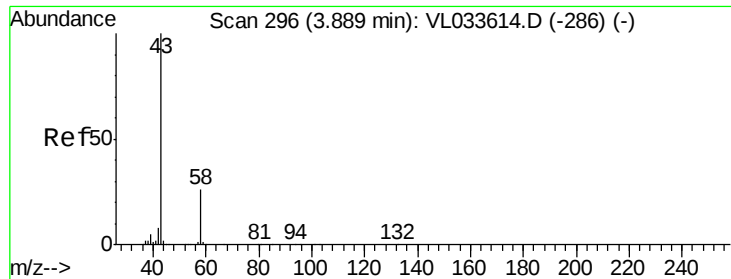


#13

Ethanol
 Concen: 10.281 ppbv
 RT: 3.65 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VL033651.D
 Acq: 3 May 2019 6:20

Tgt Ion	45	Resp	161562
Ion Ratio	100	Lower	Upper
45	100		
46	39.6	14.6	58.2





#15

Acetone

Concen: 0.551 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

A-13DL

Tot Ion: 43 Resp: 67936

Ion Ratio Lower Upper

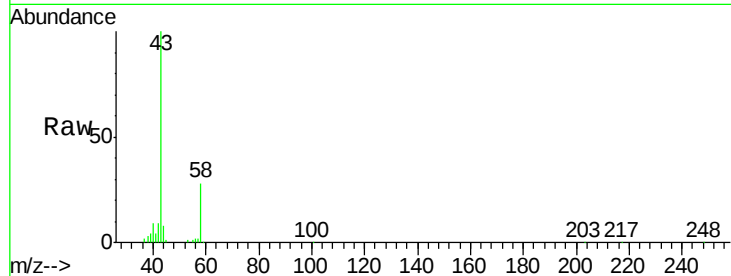
43 100

58 27.3 21.2 31.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

40000

30000

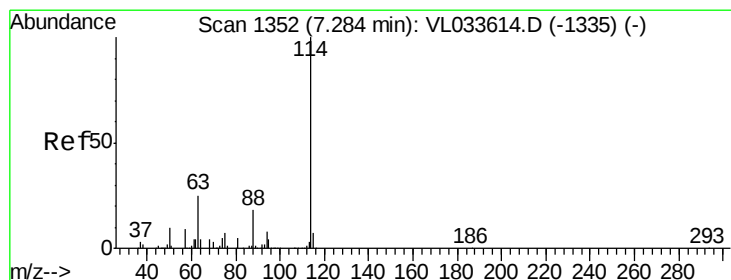
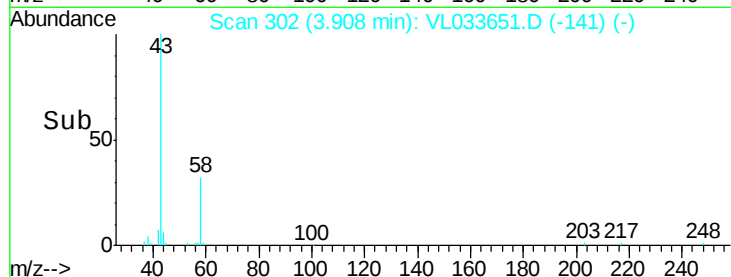
20000

10000

0

Time-->

3.85 3.90 3.95



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.00 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

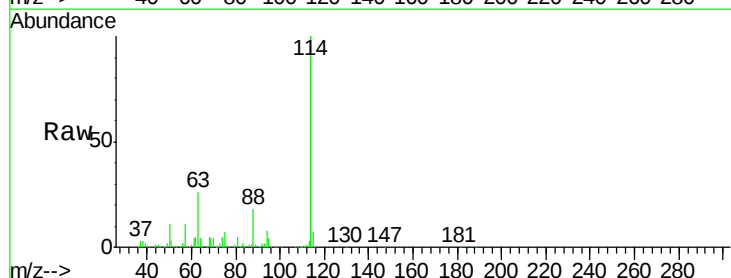
Tgt Ion: 114 Resp: 2305940

Ion Ratio Lower Upper

114 100

63 26.8 21.1 31.7

88 18.1 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

7.28

1500000

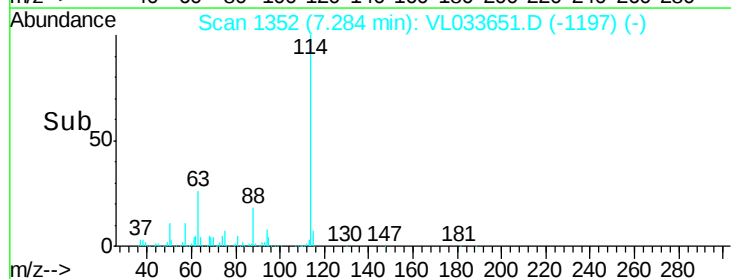
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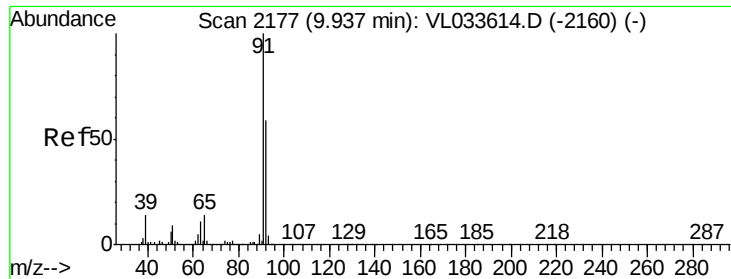
500000

0

Time-->

7.20 7.25 7.30 7.35





#53

Toluene

Concen: 0.650 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

A-13DL

Tot Ion: 91 Resp: 161176

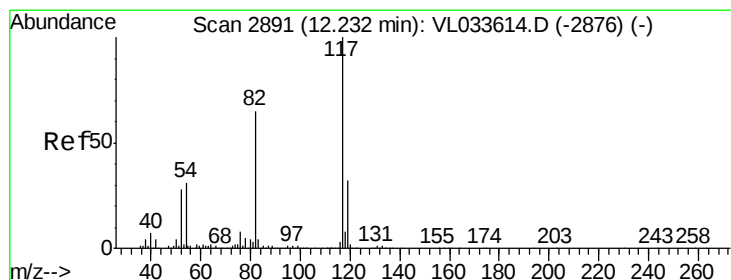
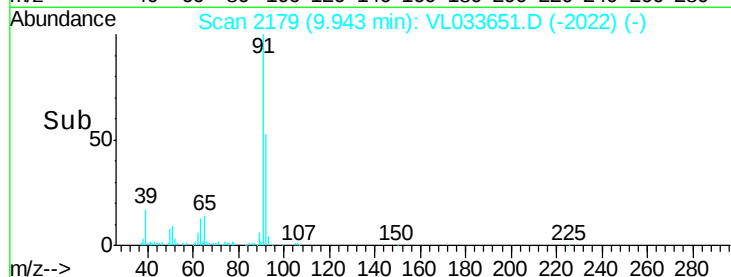
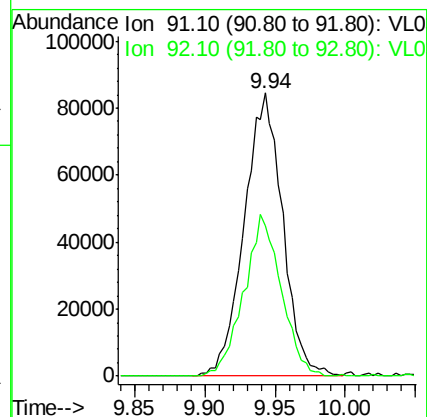
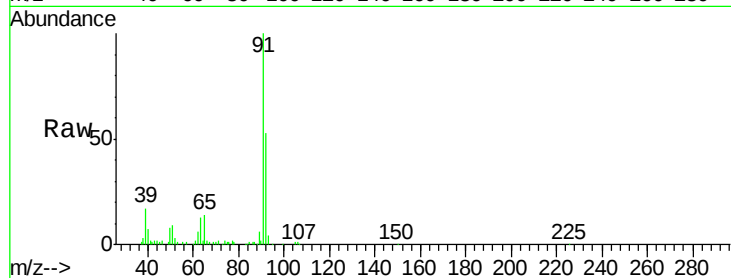
Ion Ratio Lower Upper

91 100

92 55.7 47.8 71.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.00 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

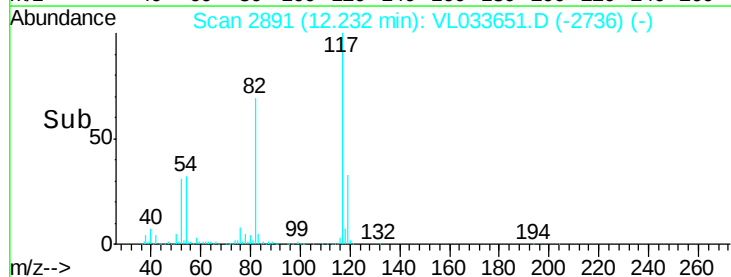
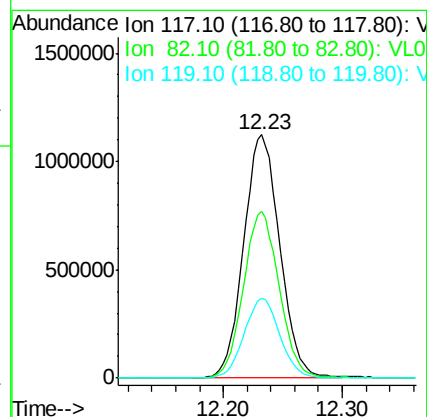
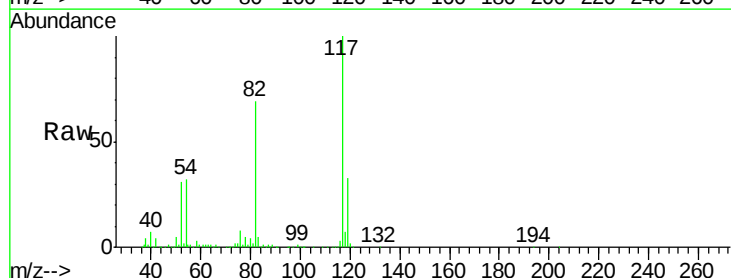
Tgt Ion: 117 Resp: 2360094

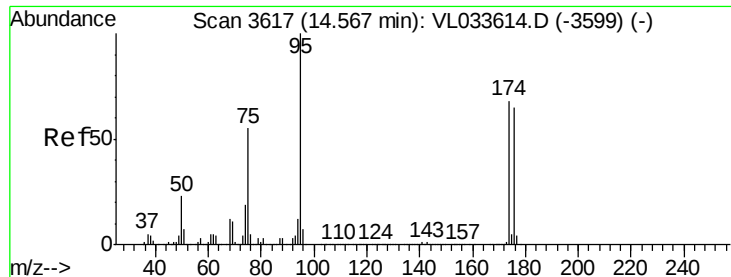
Ion Ratio Lower Upper

117 100

82 68.5 52.6 78.8

119 32.6 28.3 42.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.009 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL033651.D
 Acq: 3 May 2019 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 A-13DL

Tot Ion: 95 Resp: 1977976
 Ion Ratio Lower Upper
 95 100
 174 65.7 53.9 80.9
 175 4.8 4.0 6.0

Manual Integrations
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 5/4/2019 7:20:00 AM

