

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033372.D
 Acq On : 18 Mar 2019 23:59
 Operator : SY/AP
 Sample : K1952-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 L1HA-IA1DL

Quant Time: Mar 19 08:13:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	753222	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1690609	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1631340	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1264673	10.46	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

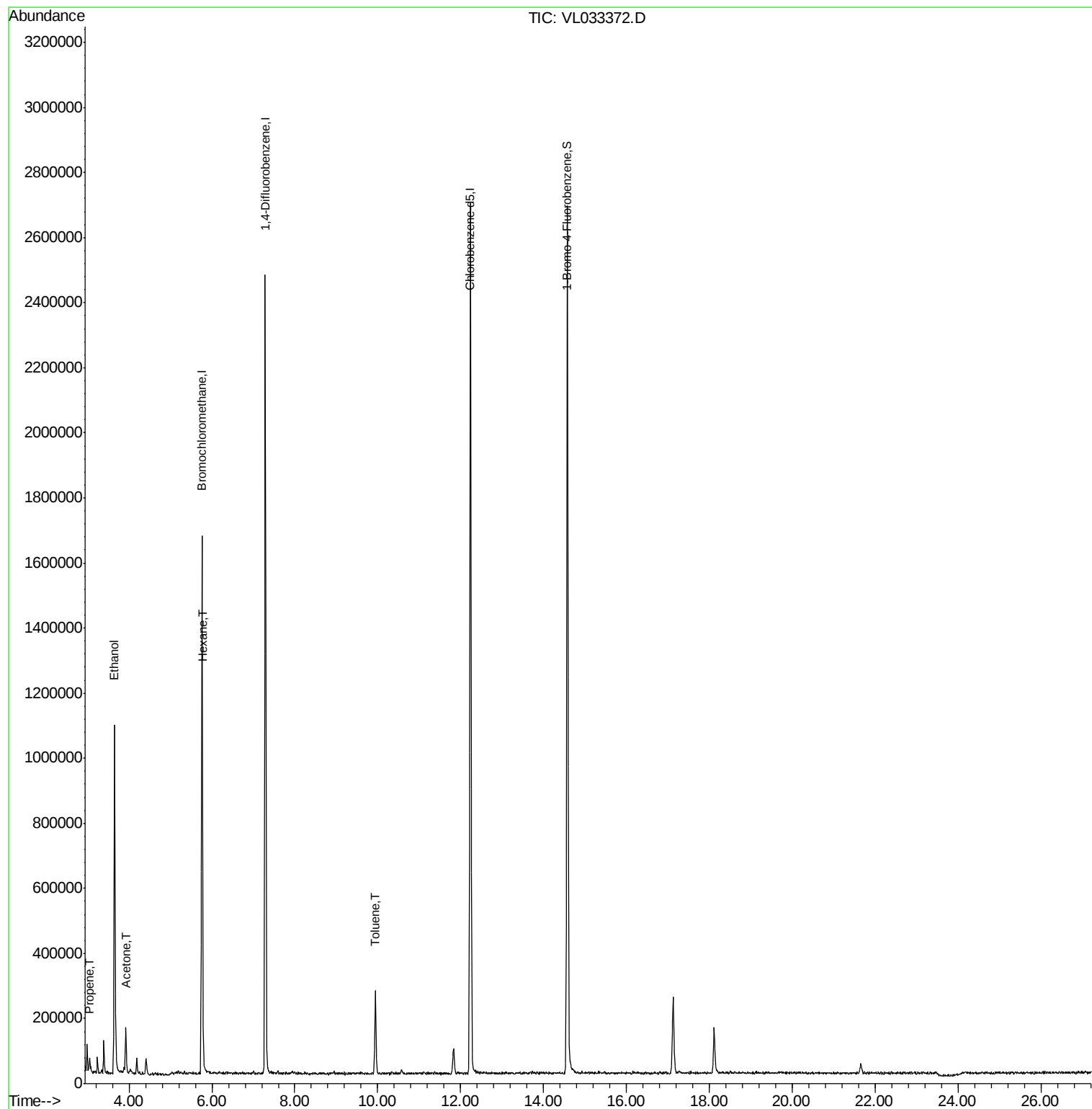
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	6533	0.169	ppbv #	74
13) Ethanol	3.65	45	1118952	60.819	ppbv	97
15) Acetone	3.91	43	88836	0.759	ppbv #	85
26) Hexane	5.78	57	10773	0.142	ppbv #	53
53) Toluene	9.95	91	189839	1.104	ppbv	99

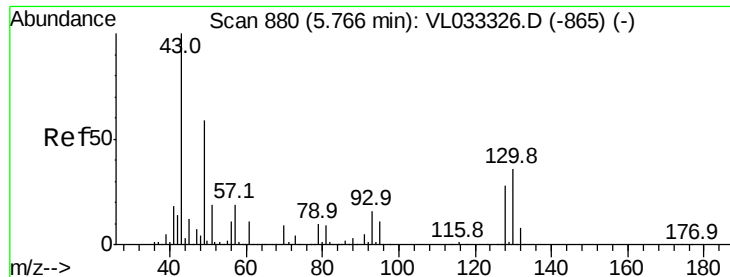
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033372.D

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MSVOA_L

ClientSampleId :

L1HA-IA1DL

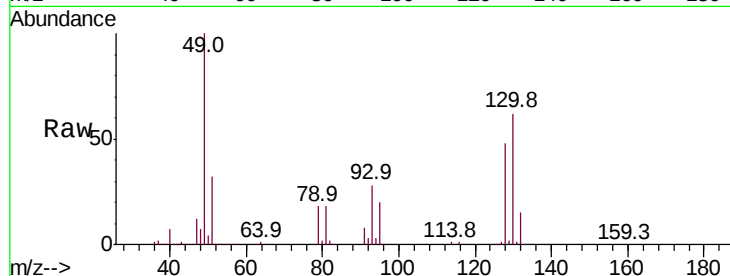
Tot Ion: 49 Resp: 753222

Ion Ratio Lower Upper

49 100

128 47.6 23.5 70.6

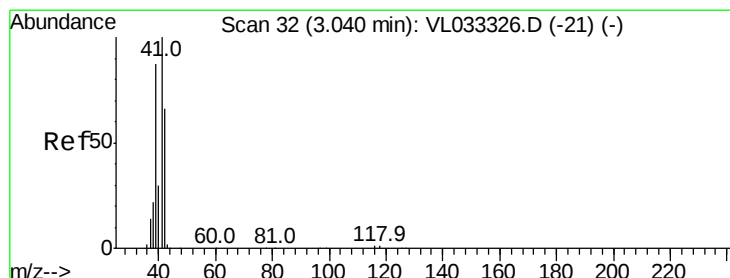
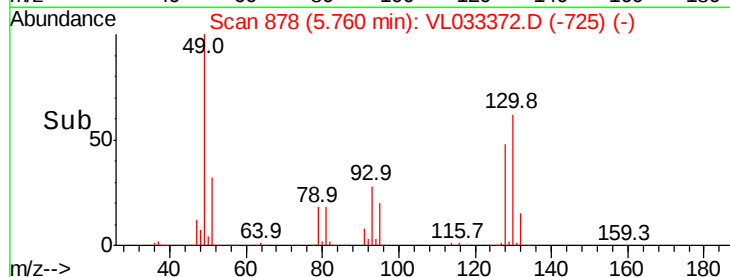
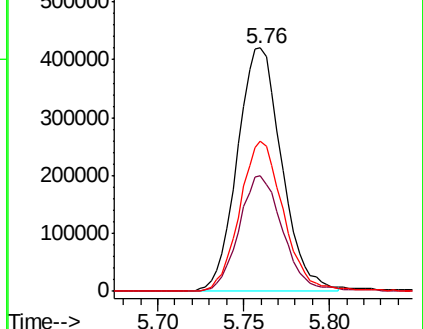
130 61.0 30.1 90.3



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



#9

Propene

Concen: 0.169 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033372.D

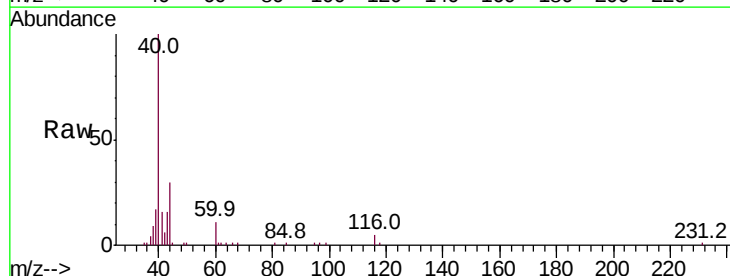
Acq: 18 Mar 2019 23:59

Tgt Ion: 41 Resp: 6533

Ion Ratio Lower Upper

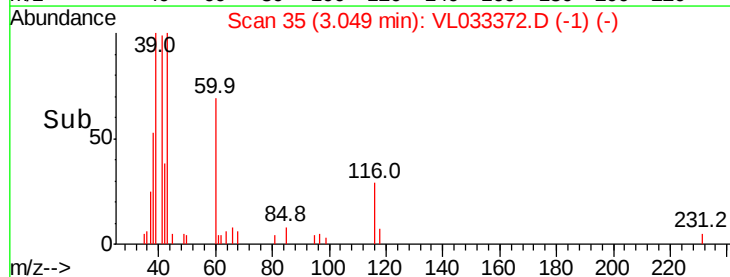
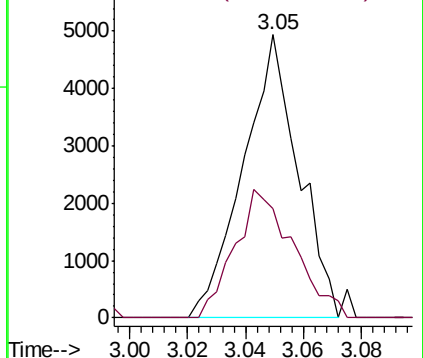
41 100

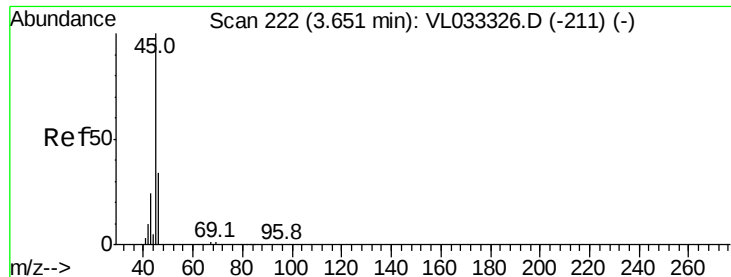
42 48.1 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 60.819 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033372.D

Acq: 18 Mar 2019 23:59

Instrument :

MSVOA_L

ClientSampleId :

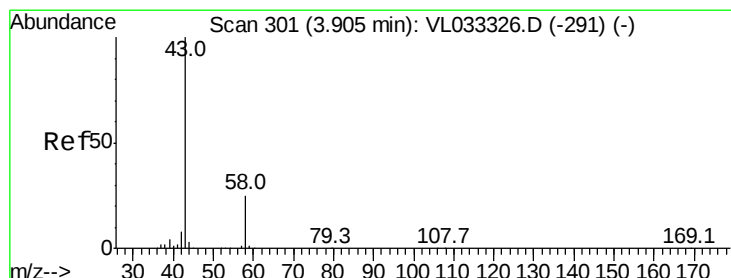
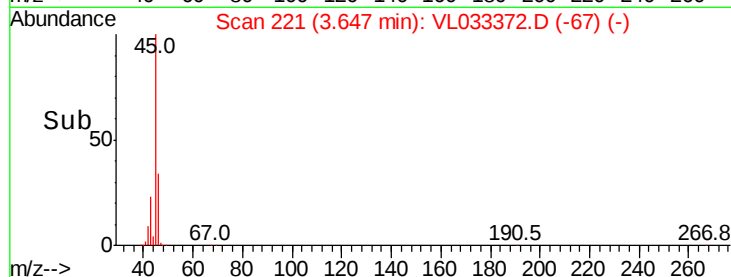
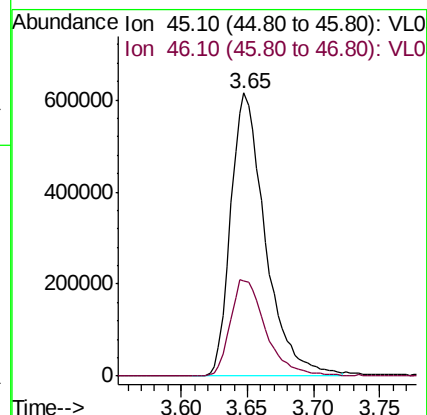
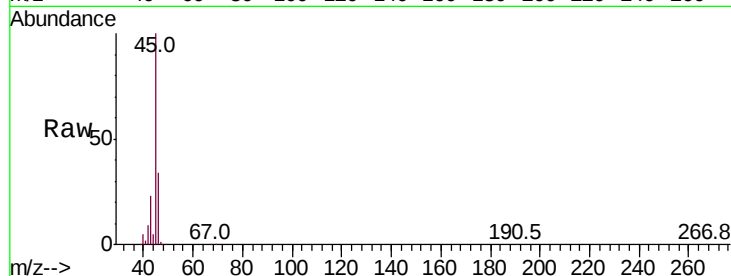
L1HA-IA1DL

Tot Ion: 45 Resp: 1118952

Ion Ratio Lower Upper

45 100

46 35.4 14.9 59.7



#15

Acetone

Concen: 0.759 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033372.D

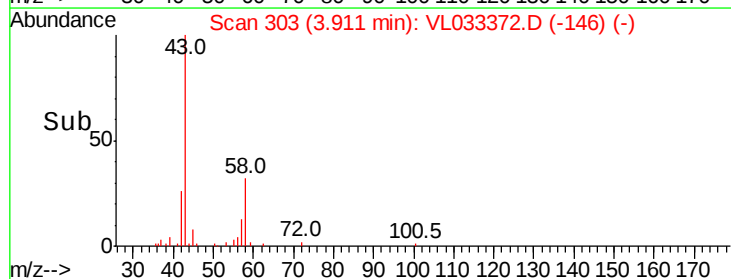
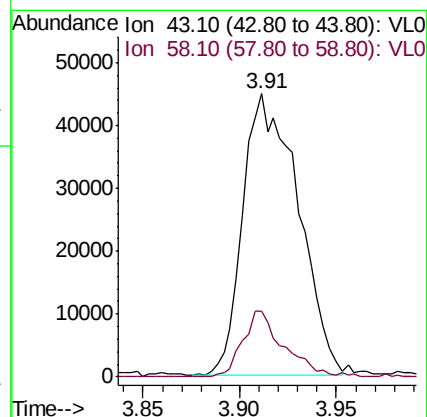
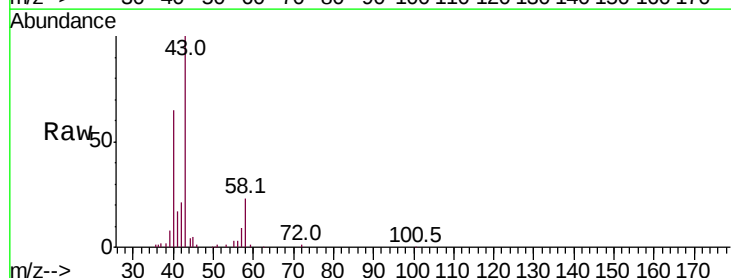
Acq: 18 Mar 2019 23:59

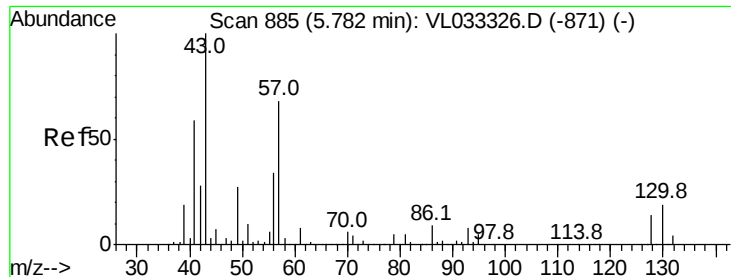
Tgt Ion: 43 Resp: 88836

Ion Ratio Lower Upper

43 100

58 17.7 20.4 30.6#

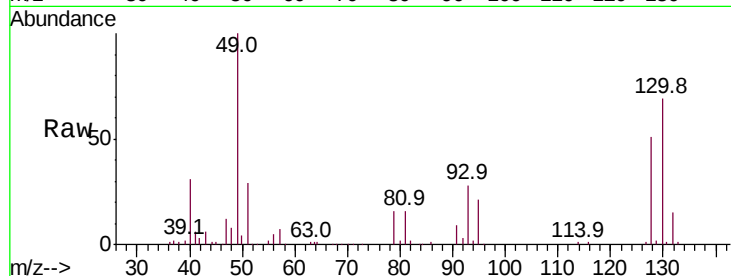




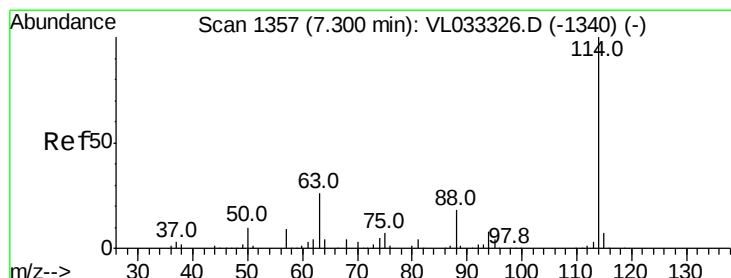
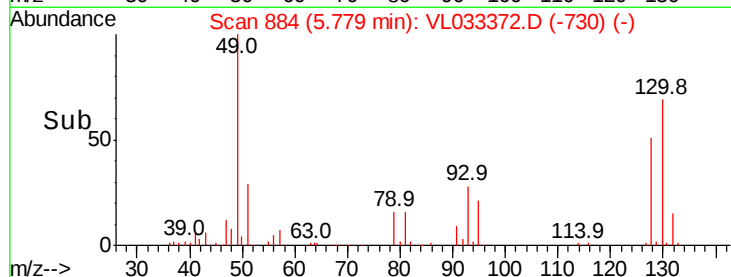
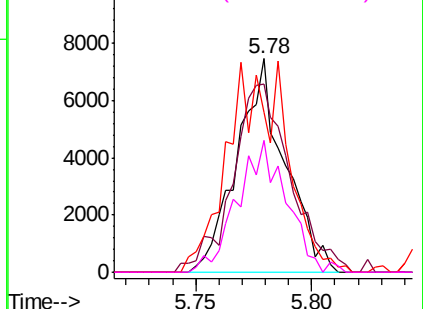
#26
Hexane
Concen: 0.142 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033372.D
Acq: 18 Mar 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA1DL

Tot Ion: 57 Resp: 10773
Ion Ratio Lower Upper
57 100
41 106.1 70.5 105.7#
43 120.7 181.8 272.8#
56 63.2 42.2 63.2

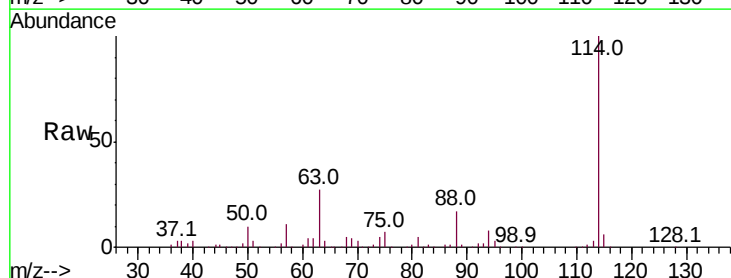


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

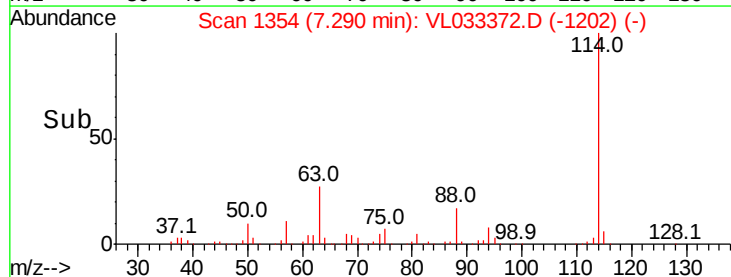
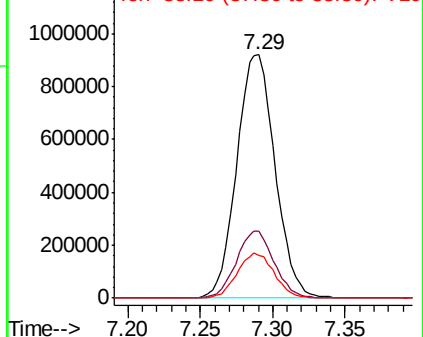


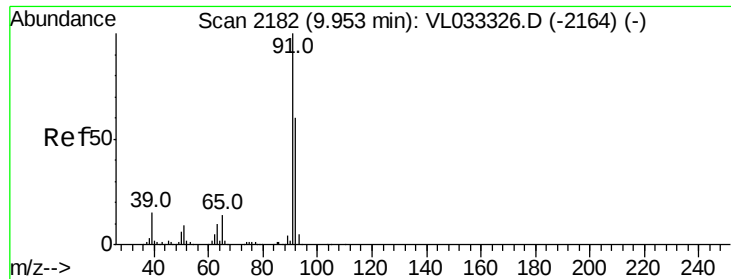
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033372.D
Acq: 18 Mar 2019 23:59

Tgt Ion:114 Resp: 1690609
Ion Ratio Lower Upper
114 100
63 27.1 21.4 32.2
88 18.0 14.5 21.7



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





#53

Toluene

Concen: 1.104 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033372.D

Acq: 18 Mar 2019 23:59

Instrument :

MSVOA_L

ClientSampleId :

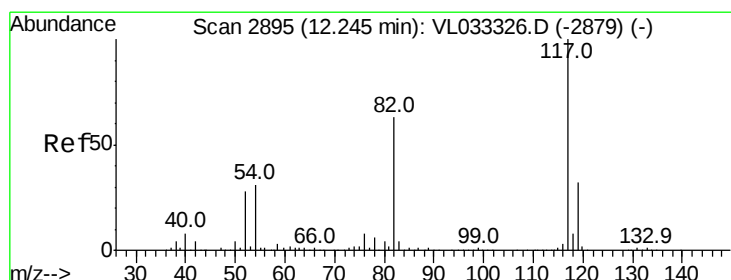
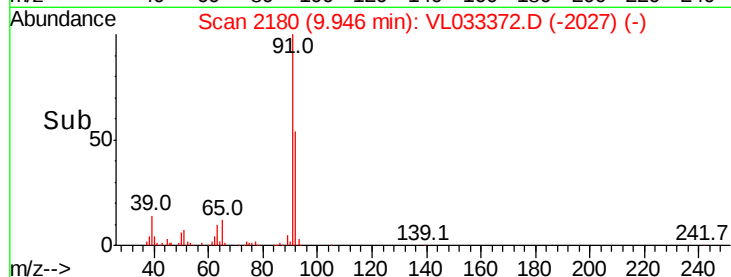
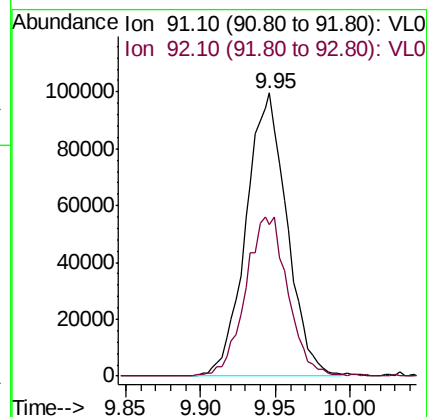
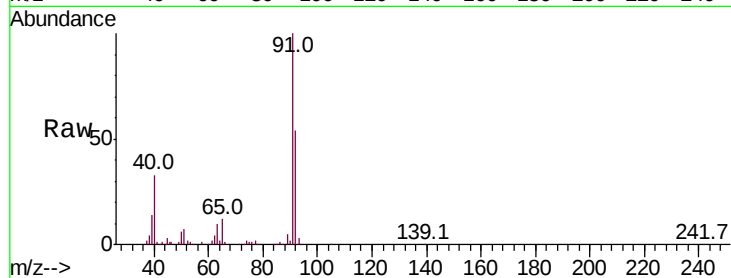
L1HA-IA1DL

Tot Ion: 91 Resp: 189839

Ion Ratio Lower Upper

91 100

92 58.4 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033372.D

Acq: 18 Mar 2019 23:59

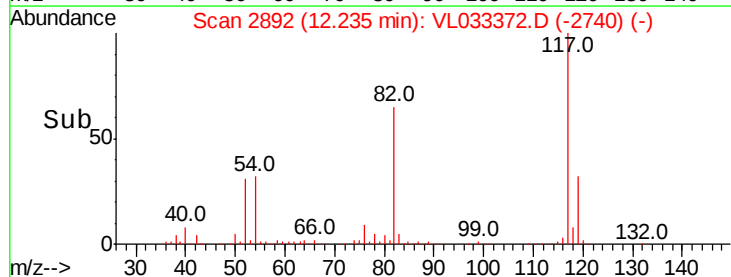
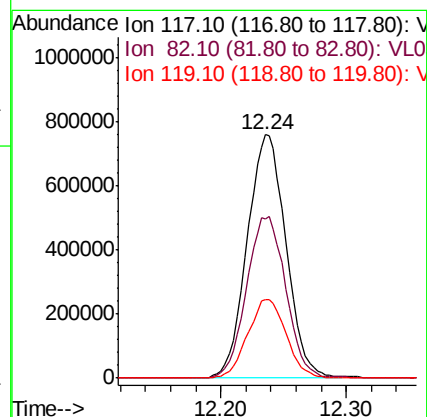
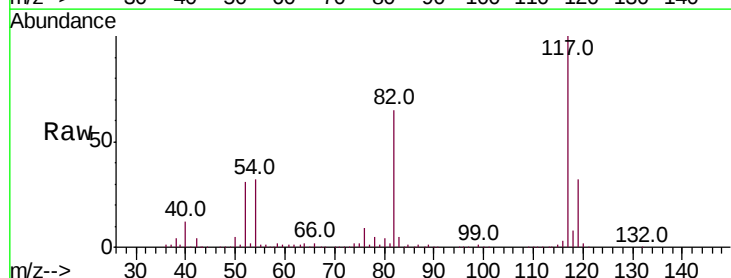
Tgt Ion: 117 Resp: 1631340

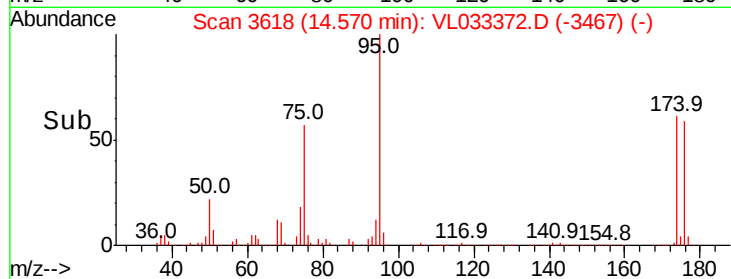
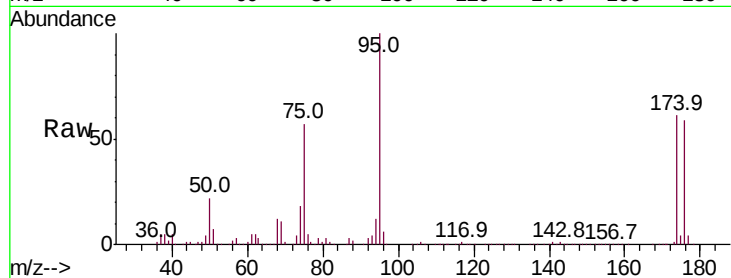
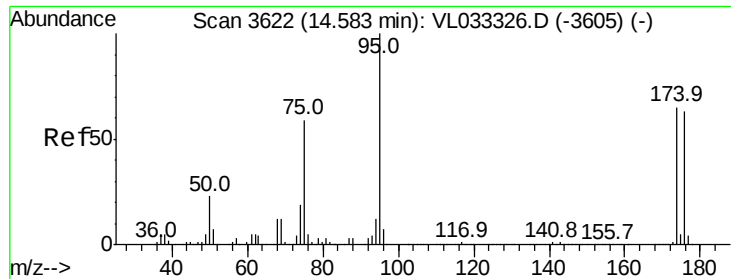
Ion Ratio Lower Upper

117 100

82 67.9 53.4 80.2

119 32.3 27.3 40.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.462 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033372.D

Acq: 18 Mar 2019 23:59

Instrument :

MSVOA_L

ClientSampleId :

L1HA-IA1DL

Tot Ion: 95 Resp: 1264673

Ion Ratio Lower Upper

95 100

174 64.8 51.5 77.3

175 4.7 3.8 5.6

