

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033365.D
 Acq On : 18 Mar 2019 19:23
 Operator : SY/AP
 Sample : K1827-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-8DL

Quant Time: Mar 19 07:26:28 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	771672	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1698510	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1892619	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1426881	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

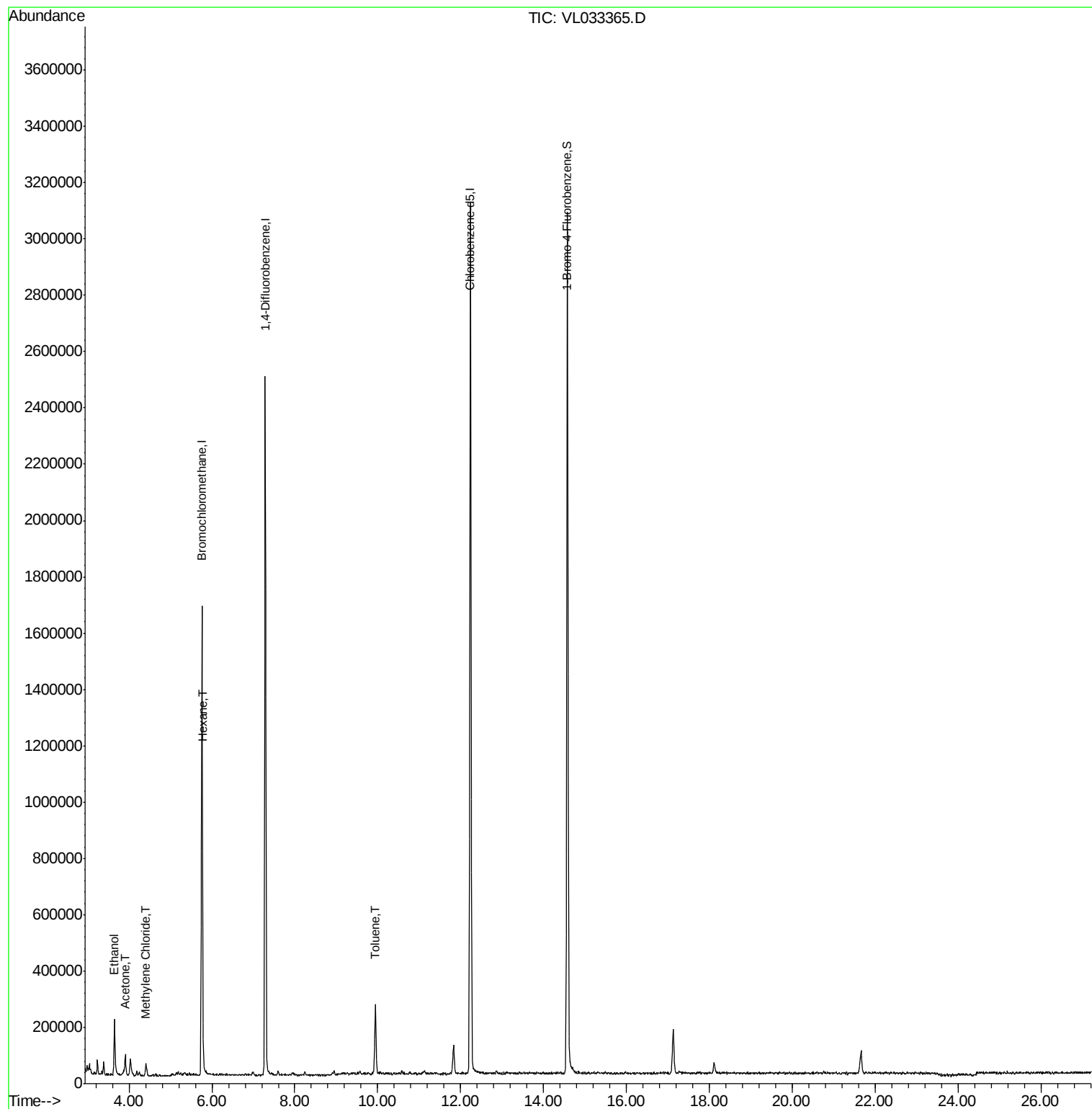
Target Compounds					Ovalue
13) Ethanol	3.65	45	205783	10.918	ppbv 97
15) Acetone	3.91	43	71213	0.594	ppbv 98
20) Methylene Chloride	4.41	84	13666	0.349	ppbv 93
26) Hexane	5.78	57	15191	0.195	ppbv # 77
53) Toluene	9.94	91	186335	1.079	ppbv 99

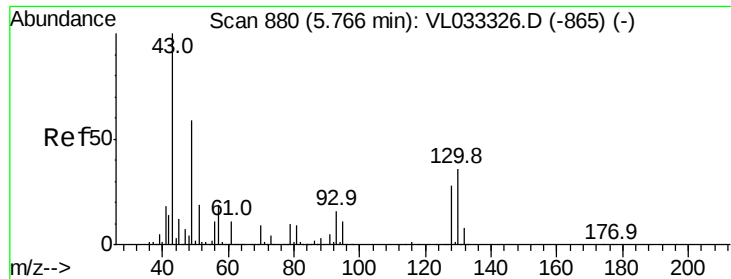
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033365.D

Acq: 18 Mar 2019 19:23

Instrument :

MSVOA_L

ClientSampleId :

A-8DL

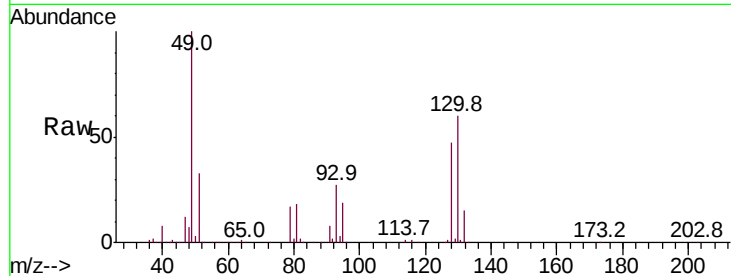
Tot Ion: 49 Resp: 771672

Ion Ratio Lower Upper

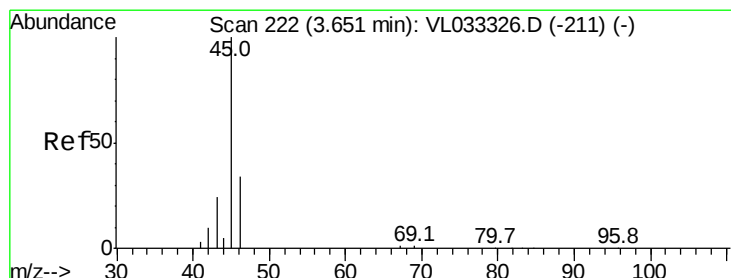
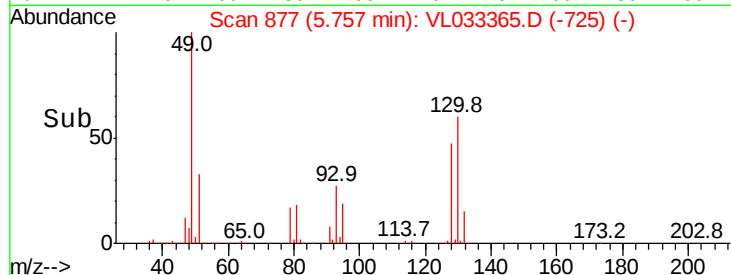
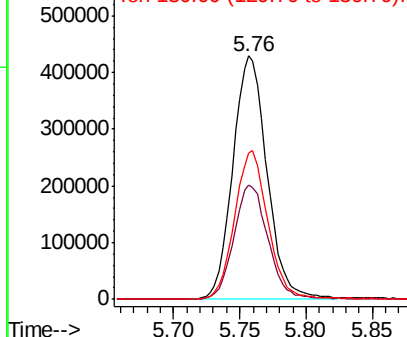
49 100

128 47.0 23.5 70.6

130 60.0 30.1 90.3



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



#13

Ethanol

Concen: 10.918 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033365.D

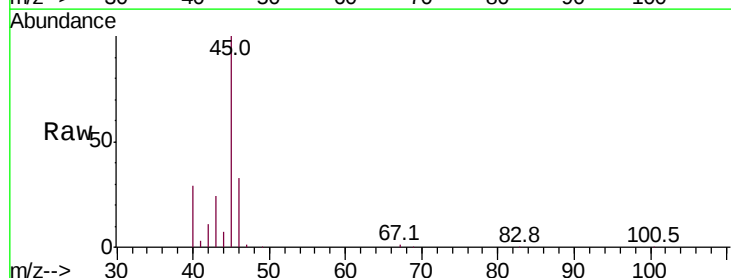
Acq: 18 Mar 2019 19:23

Tgt Ion: 45 Resp: 205783

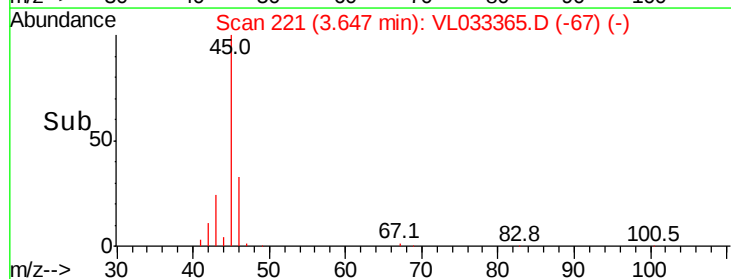
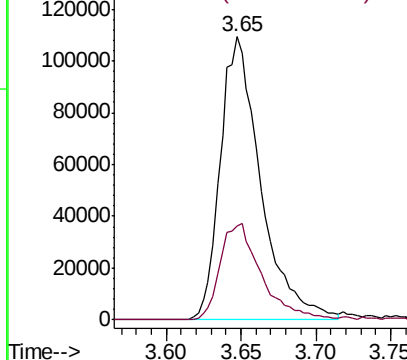
Ion Ratio Lower Upper

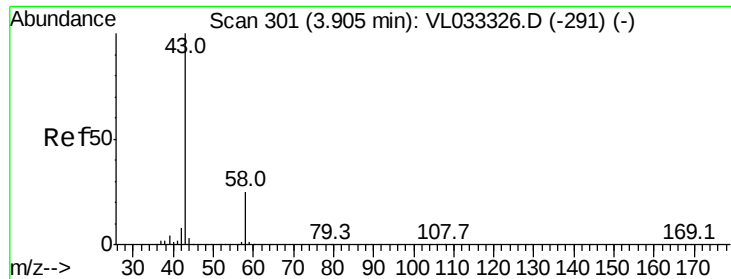
45 100

46 35.7 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.594 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033365.D

Acq: 18 Mar 2019 19:23

Instrument :

MSVOA_L

ClientSampled :

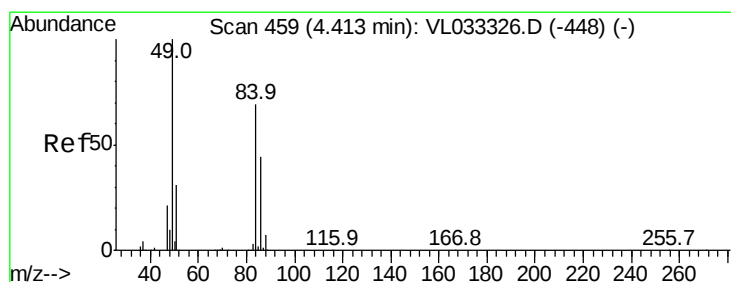
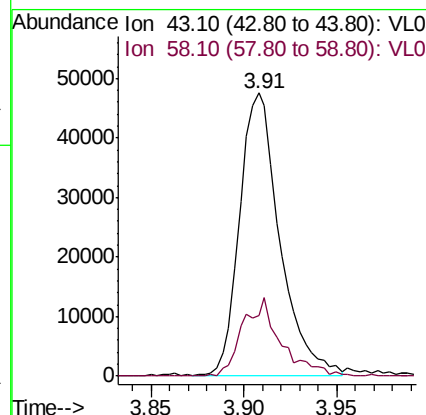
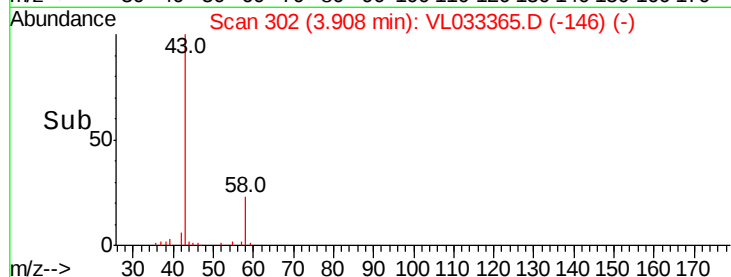
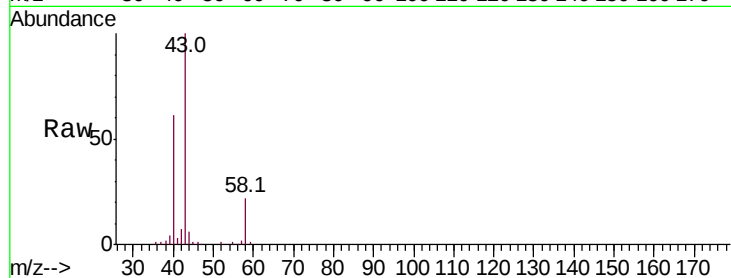
A-8DL

Tot Ion: 43 Resp: 71213

Ion Ratio Lower Upper

43 100

58 26.5 20.4 30.6



#20

Methylene Chloride

Concen: 0.349 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL033365.D

Acq: 18 Mar 2019 19:23

Tgt Ion: 84 Resp: 13666

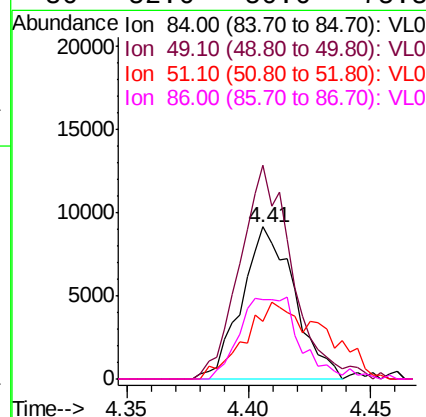
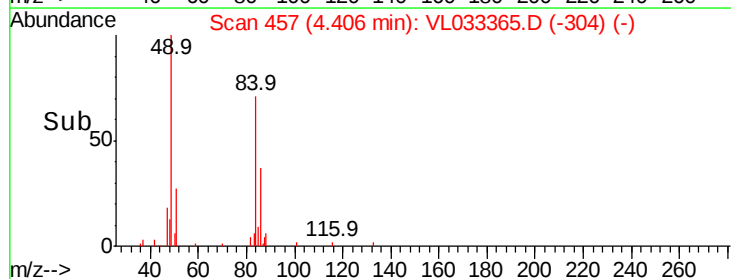
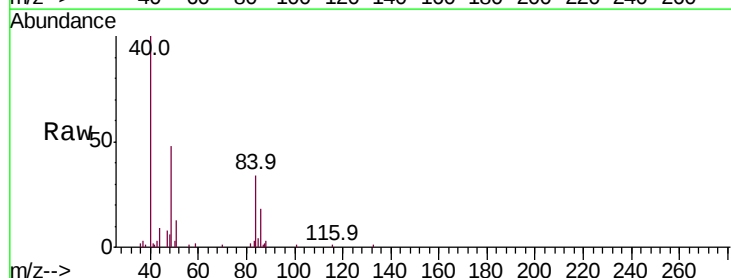
Ion Ratio Lower Upper

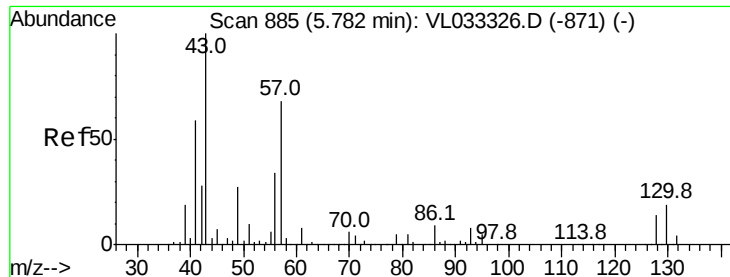
84 100

49 140.4 115.4 173.0

51 38.3 35.8 53.6

86 52.6 50.6 75.8





#26

Hexane

Concen: 0.195 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033365.D

Acq: 18 Mar 2019 19:23

Instrument :

MSVOA_L

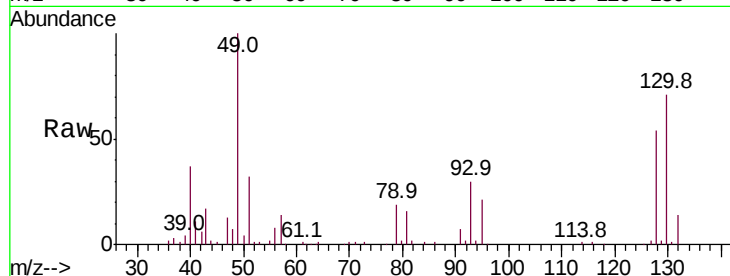
ClientSampleId :

A-8DL

Tot Ion: 57 Resp: 15191

Ion Ratio Lower Upper

57	100		
41	94.9	70.5	105.7
43	175.6	181.8	272.8#
56	60.0	42.2	63.2



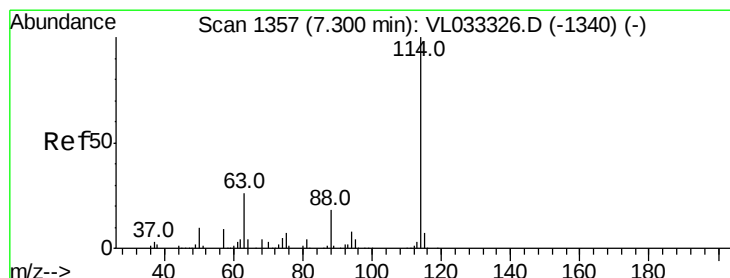
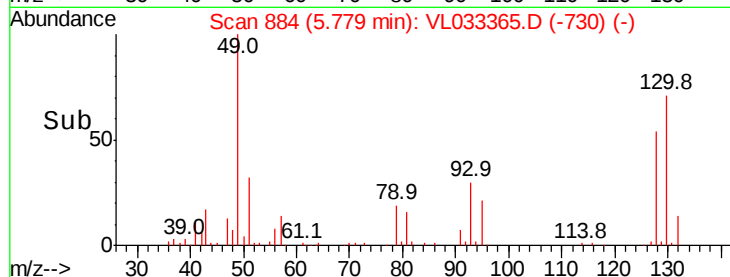
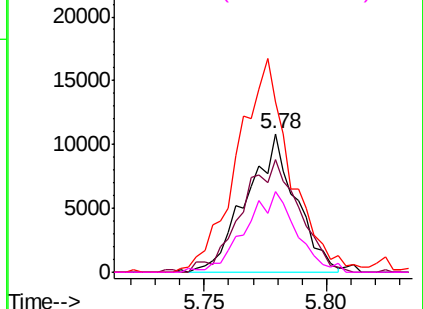
Abundance

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# 1353

Delta R.T. -0.01 min

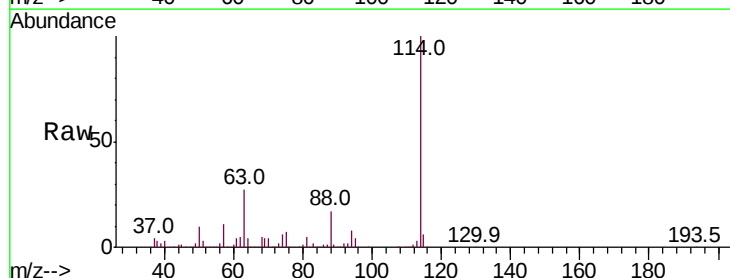
Lab File: VL033365.D

Acq: 18 Mar 2019 19:23

Tgt Ion: 114 Resp: 1698510

Ion Ratio Lower Upper

114	100		
63	27.2	21.4	32.2
88	18.5	14.5	21.7

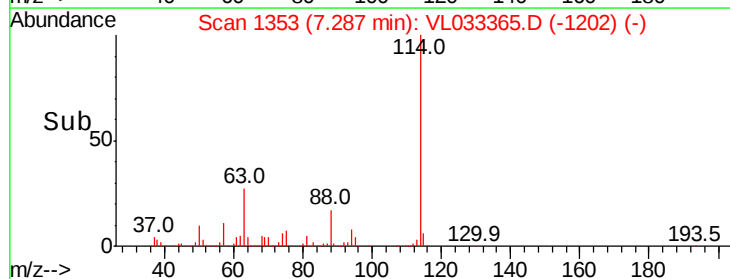
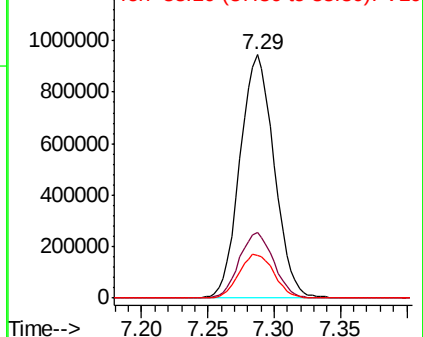


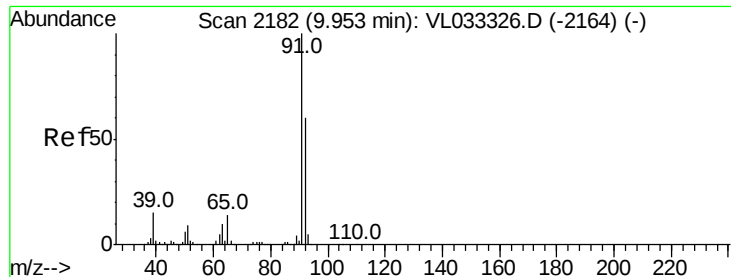
Abundance

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: 1.079 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033365.D

Acq: 18 Mar 2019 19:23

Instrument :

MSVOA_L

ClientSampled :

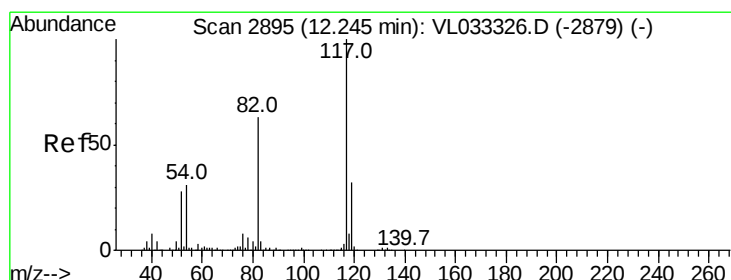
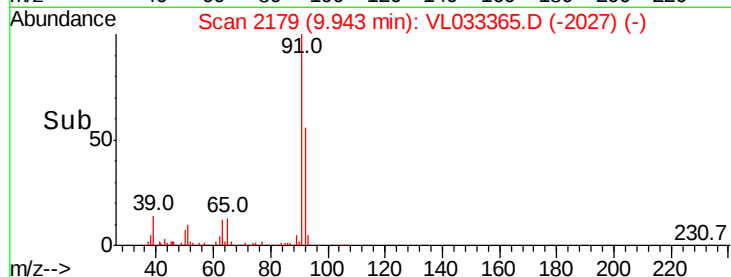
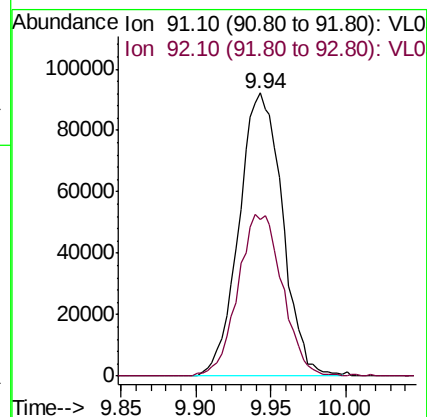
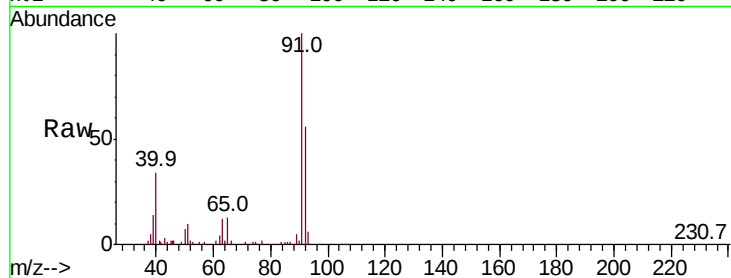
A-8DL

Tot Ion: 91 Resp: 186335

Ion Ratio Lower Upper

91 100

92 58.8 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: VL033365.D

Acq: 18 Mar 2019 19:23

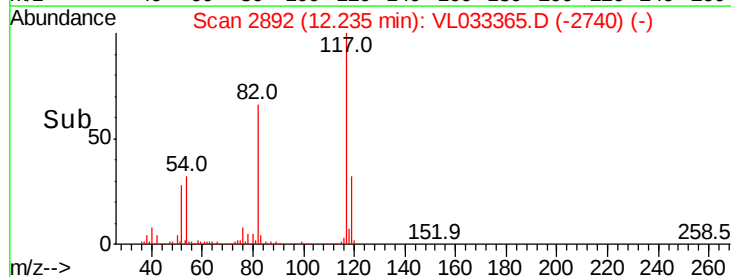
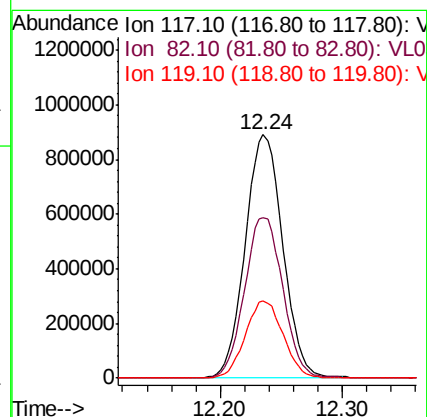
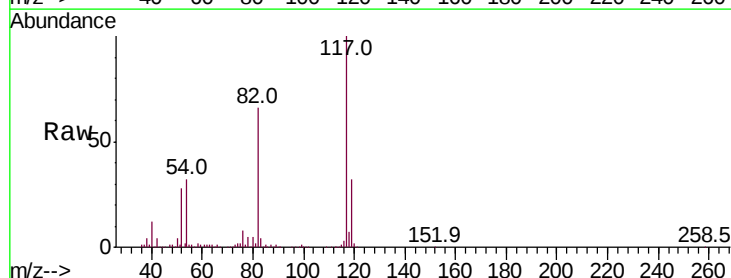
Tgt Ion: 117 Resp: 1892619

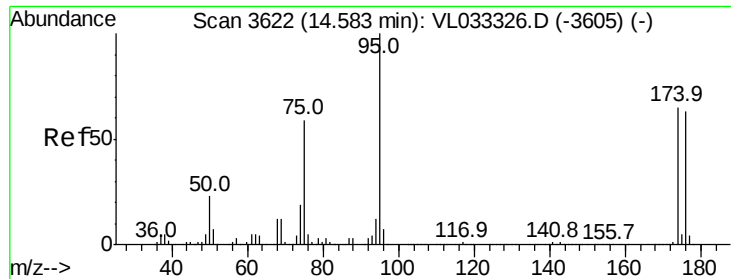
Ion Ratio Lower Upper

117 100

82 67.6 53.4 80.2

119 32.1 27.3 40.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.174 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033365.D

Acq: 18 Mar 2019 19:23

Instrument :

MSVOA_L

ClientSampleId :

A-8DL

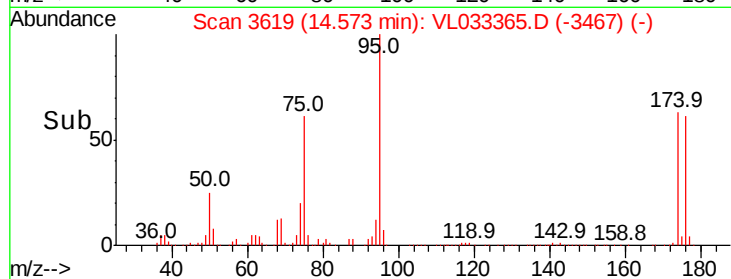
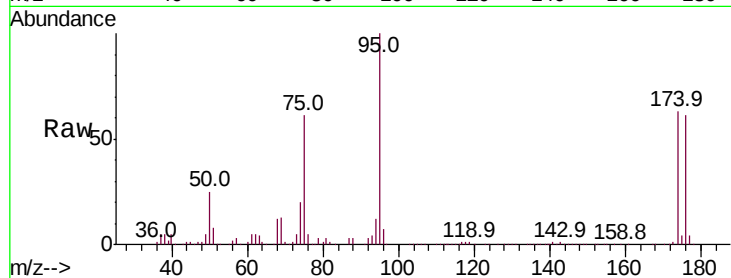
Tot Ion: 95 Resp: 1426881

Ion Ratio Lower Upper

95 100

174 65.1 51.5 77.3

175 4.6 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

