

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\
 Data File : VL033578.D
 Acq On : 11 Apr 2019 00:16
 Operator : SY/AP
 Sample : K2312-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-7DL

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 1:02:01 PM

Quant Time: Apr 11 05:01:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	834629	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1938606	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1924851	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1560558	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	96908m	9.281	ppbv	
15) Acetone	3.91	43	64383	0.642	ppbv	98
20) Methylene Chloride	4.41	84	24098	0.566	ppbv	95
26) Hexane	5.78	57	41535	0.502	ppbv #	49
53) Toluene	9.94	91	20930m	0.111	ppbv	

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

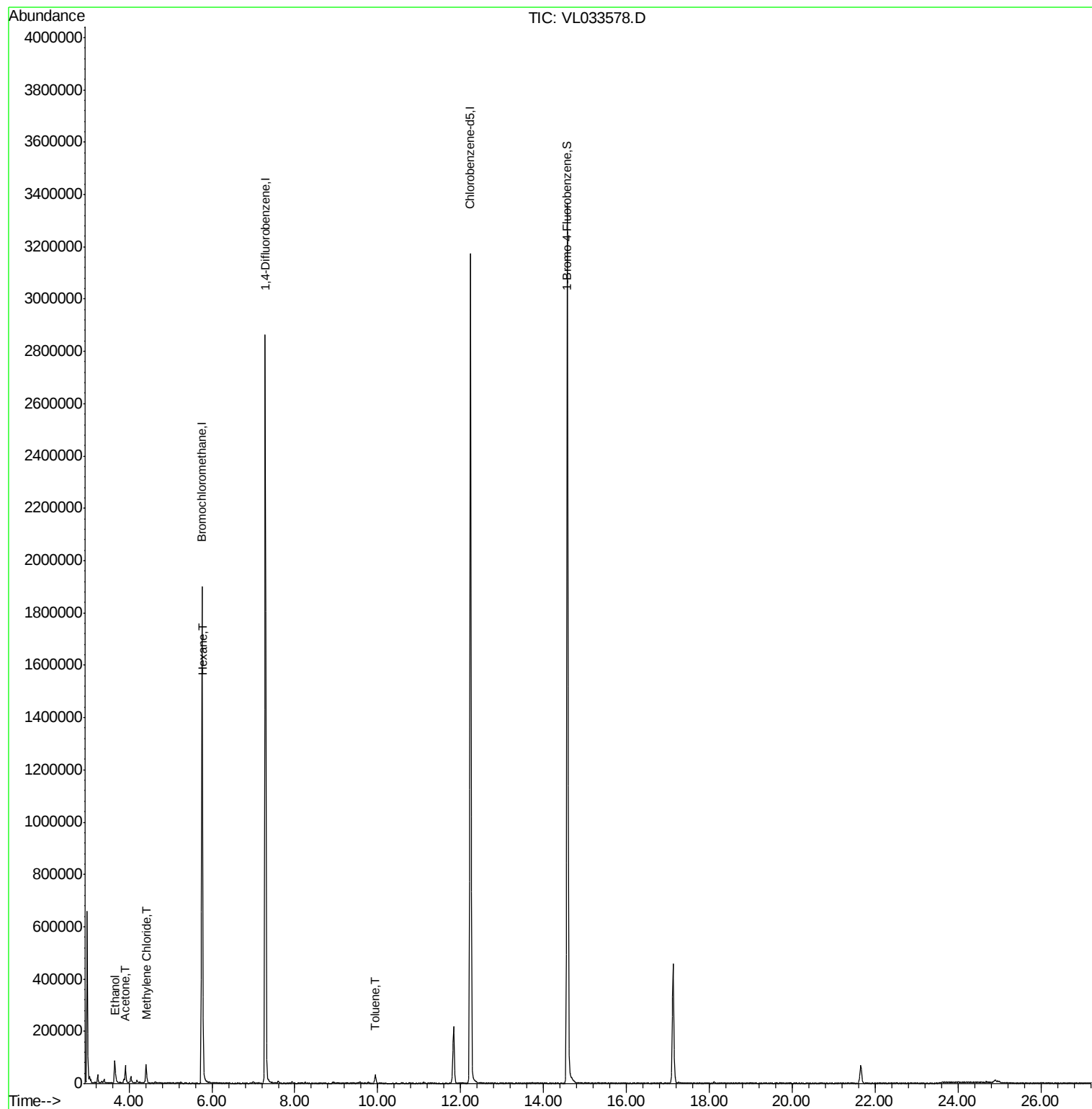
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

Instrument :

MSVOA_L

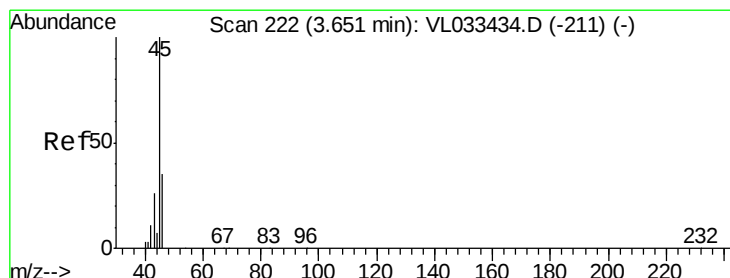
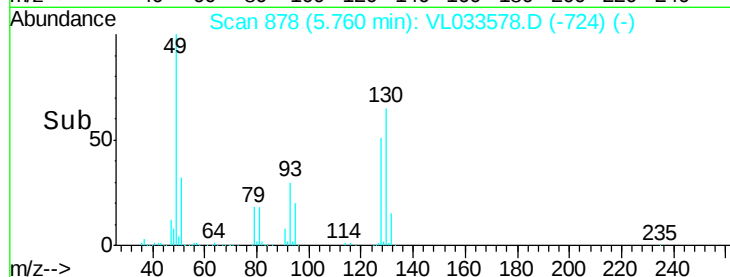
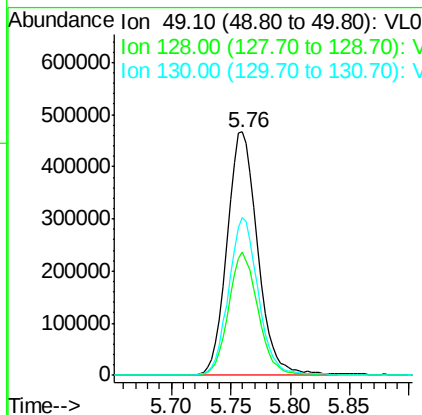
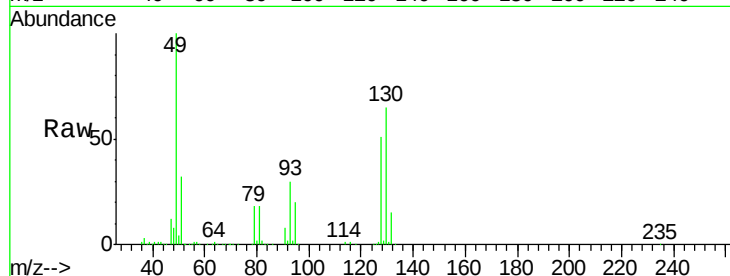
ClientSampled :

A-7DL

Tot Ion:	49	Resp:	834629
Ion	Ratio	Lower	Upper
49	100		
128	49.3	24.0	72.0
130	63.2	31.2	93.6

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#13

Ethanol

Concen: 9.281 ppbv m

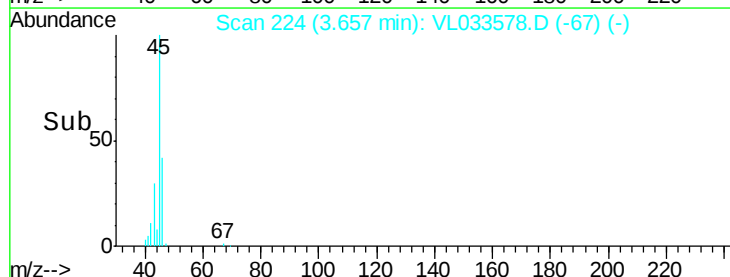
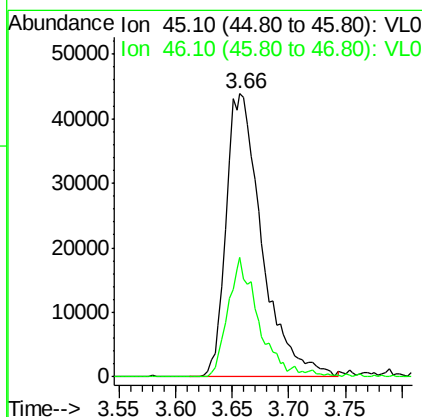
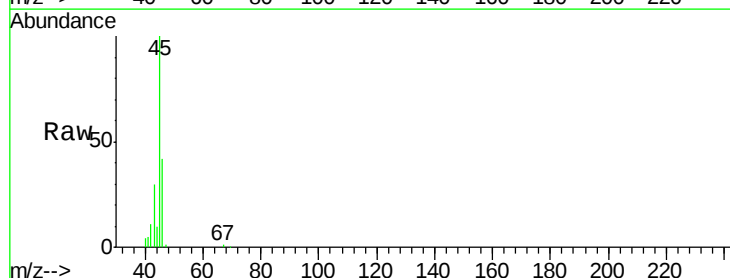
RT: 3.66 min Scan# 224

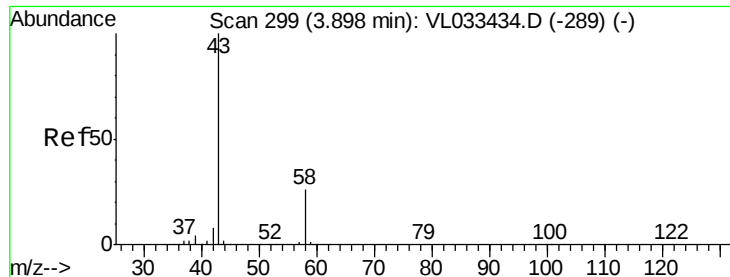
Delta R.T. 0.01 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

Tgt Ion:	45	Resp:	96908
Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#





#15

Acetone

Concen: 0.642 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

Instrument :

MSVOA_L

ClientSampleId :

A-7DL

Tot Ion: 43 Resp: 64383

Ion Ratio Lower Upper

43 100

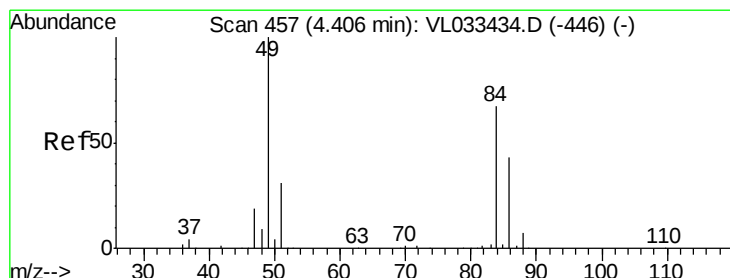
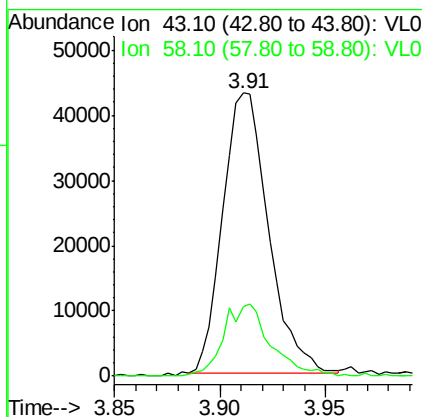
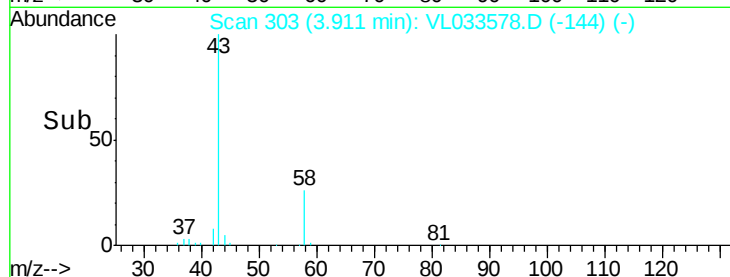
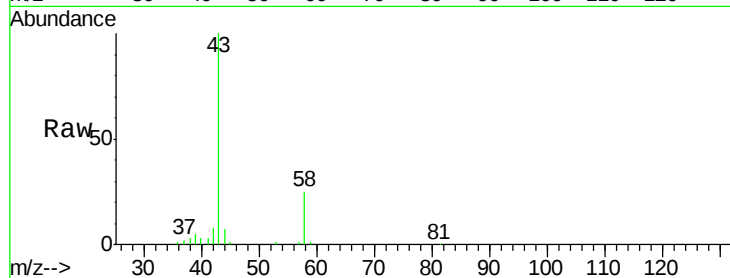
58 26.7 20.5 30.7

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#20

Methylene Chloride

Concen: 0.566 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

Tgt Ion: 84 Resp: 24098

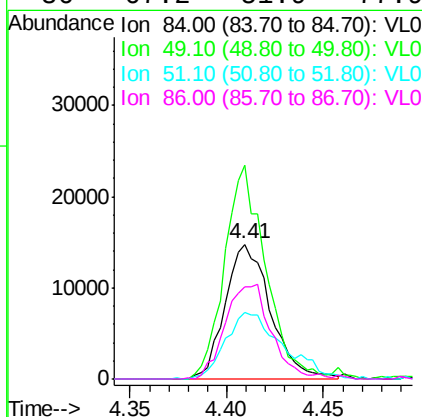
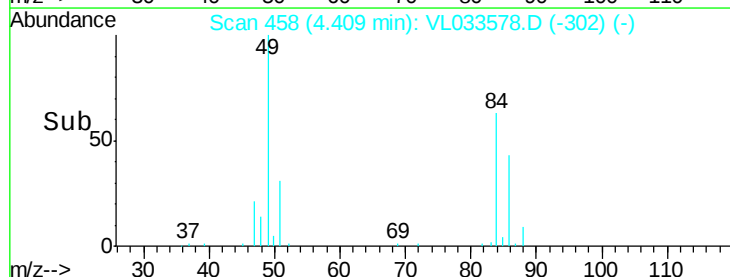
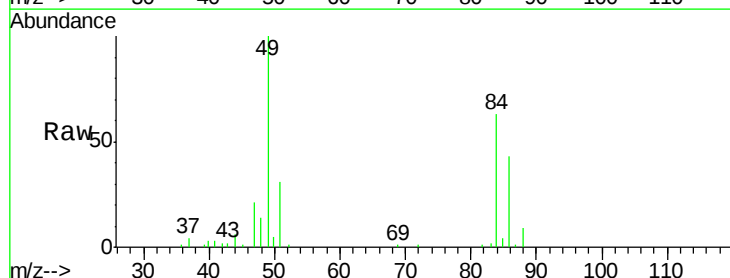
Ion Ratio Lower Upper

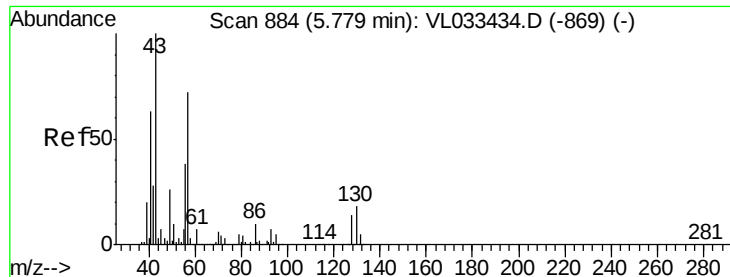
84 100

49 158.4 120.0 180.0

51 49.3 36.7 55.1

86 67.2 51.9 77.9





#26

Hexane

Concen: 0.502 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

Instrument :

MSVOA_L

ClientSampleId :

A-7DL

Tot Ion: 57 Resp: 41535

Ion Ratio Lower Upper

57 100

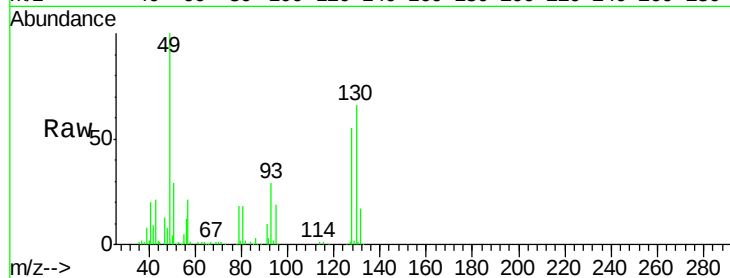
41 102.0 70.7 106.1

43 105.0 182.6 274.0#

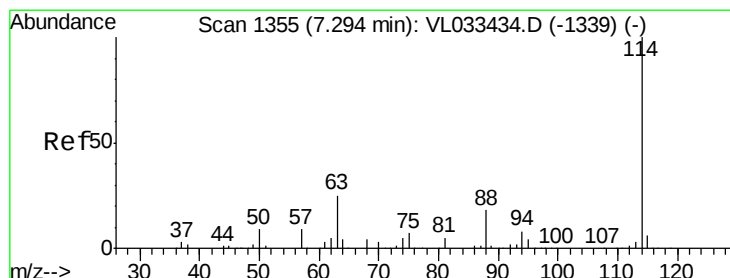
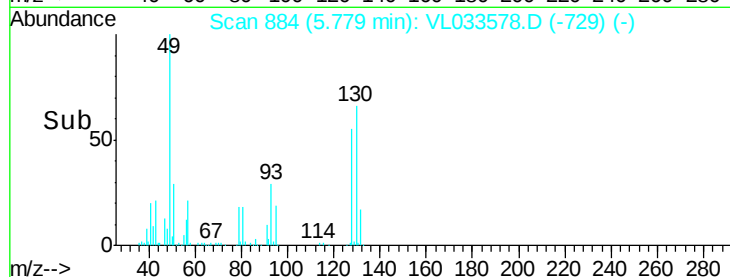
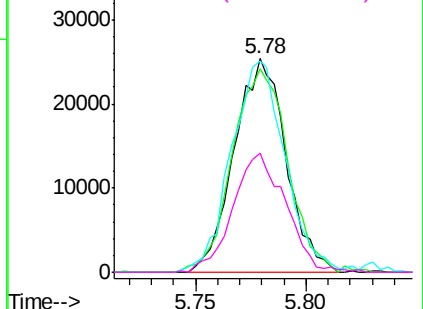
56 56.7 42.0 63.0

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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: VL033578.D

Acq: 11 Apr 2019 00:16

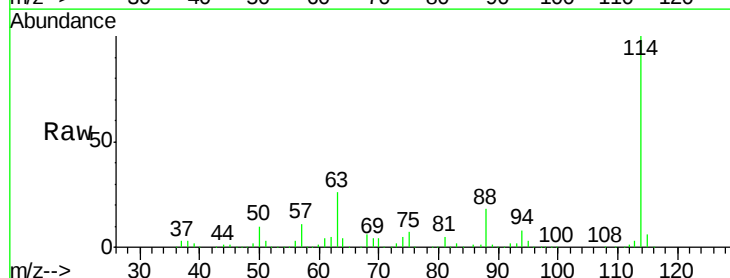
Tgt Ion: 114 Resp: 1938606

Ion Ratio Lower Upper

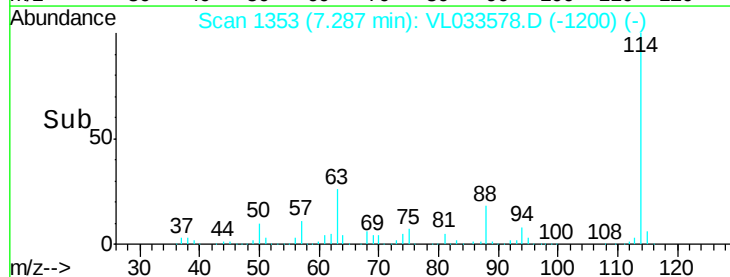
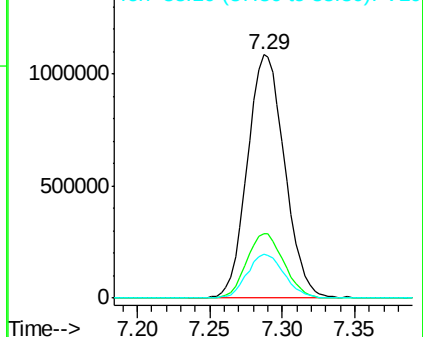
114 100

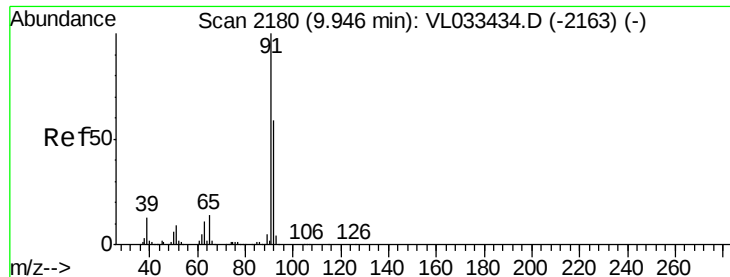
63 26.7 21.5 32.3

88 18.2 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: 0.111 ppbv m

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

Instrument :

MSVOA_L

ClientSampleId :

A-7DL

Tot Ion: 91 Resp: 20930

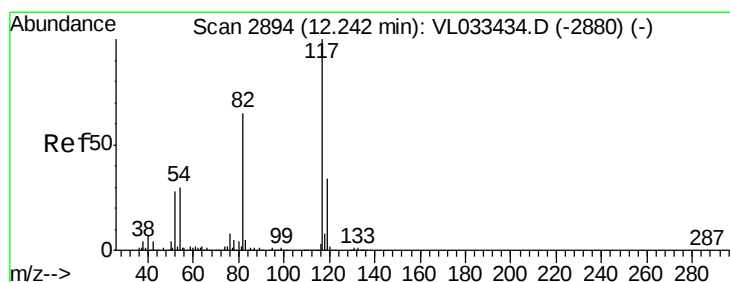
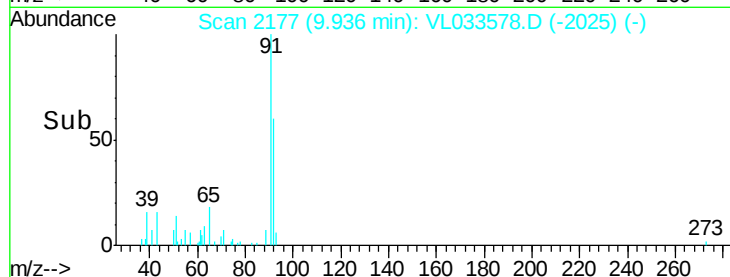
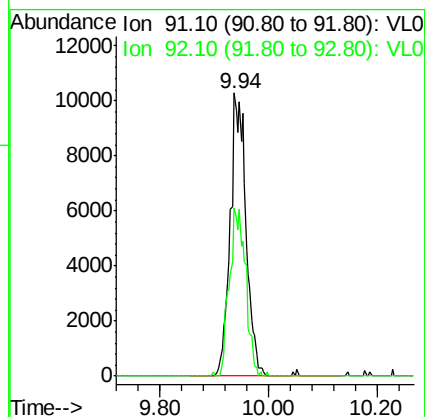
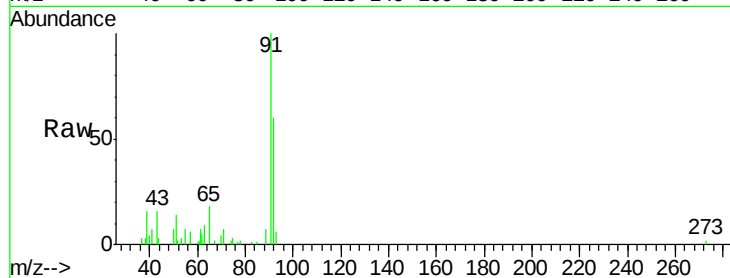
Ion Ratio Lower Upper

91 100

92 60.3 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

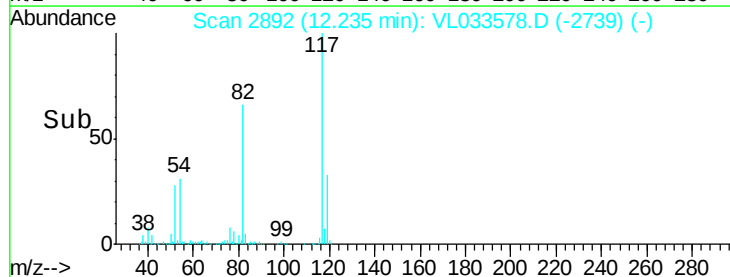
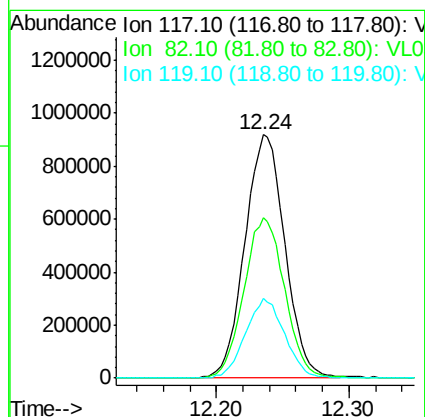
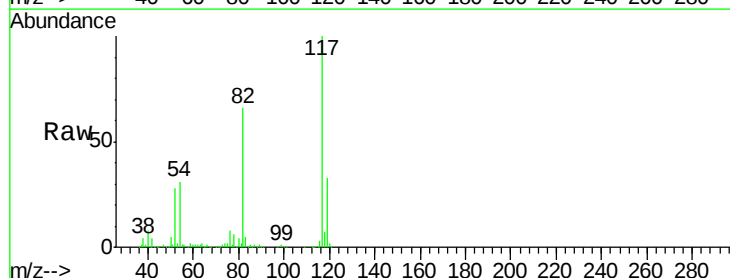
Tgt Ion: 117 Resp: 1924851

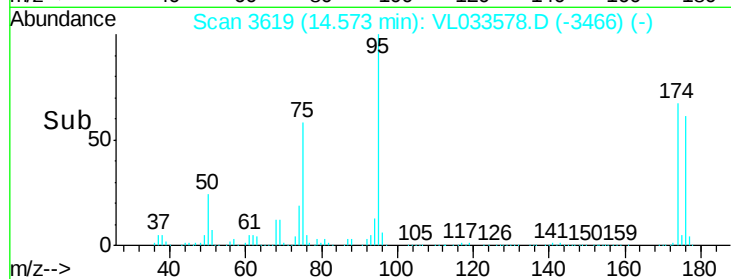
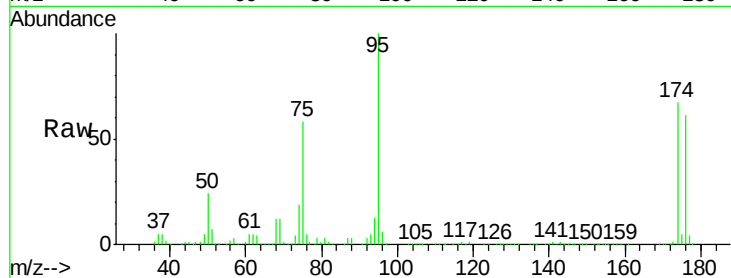
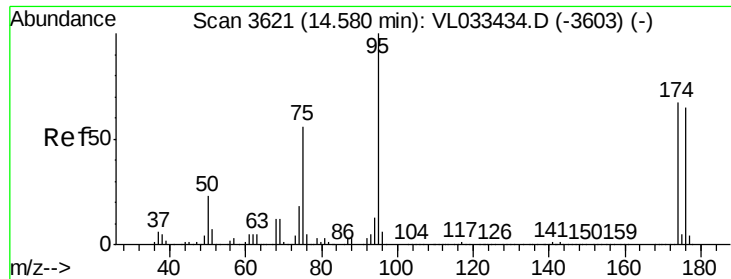
Ion Ratio Lower Upper

117 100

82 67.5 51.5 77.3

119 32.3 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.342 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033578.D

Acq: 11 Apr 2019 00:16

Instrument :

MSVOA_L

ClientSampleId :

A-7DL

Tot Ion: 95 Resp: 1560558

Ion Ratio Lower Upper

95 100

174 66.2 52.9 79.3

175 4.7 3.8 5.6

Manual Integrations

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