

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033541.D
 Acq On : 4 Apr 2019 20:18
 Operator : SY/AP
 Sample : K2096-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:22:21 AM

Quant Time: Apr 05 03:17:26 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 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	1161112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2705130	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2696885	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2125823	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	46206m	3.181	ppbv	
15) Acetone	3.91	43	48584	0.348	ppbv	95
20) Methylene Chloride	4.41	84	69719	1.176	ppbv	96
26) Hexane	5.78	57	54989	0.477	ppbv #	46
53) Toluene	9.94	91	63955	0.242	ppbv	99

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

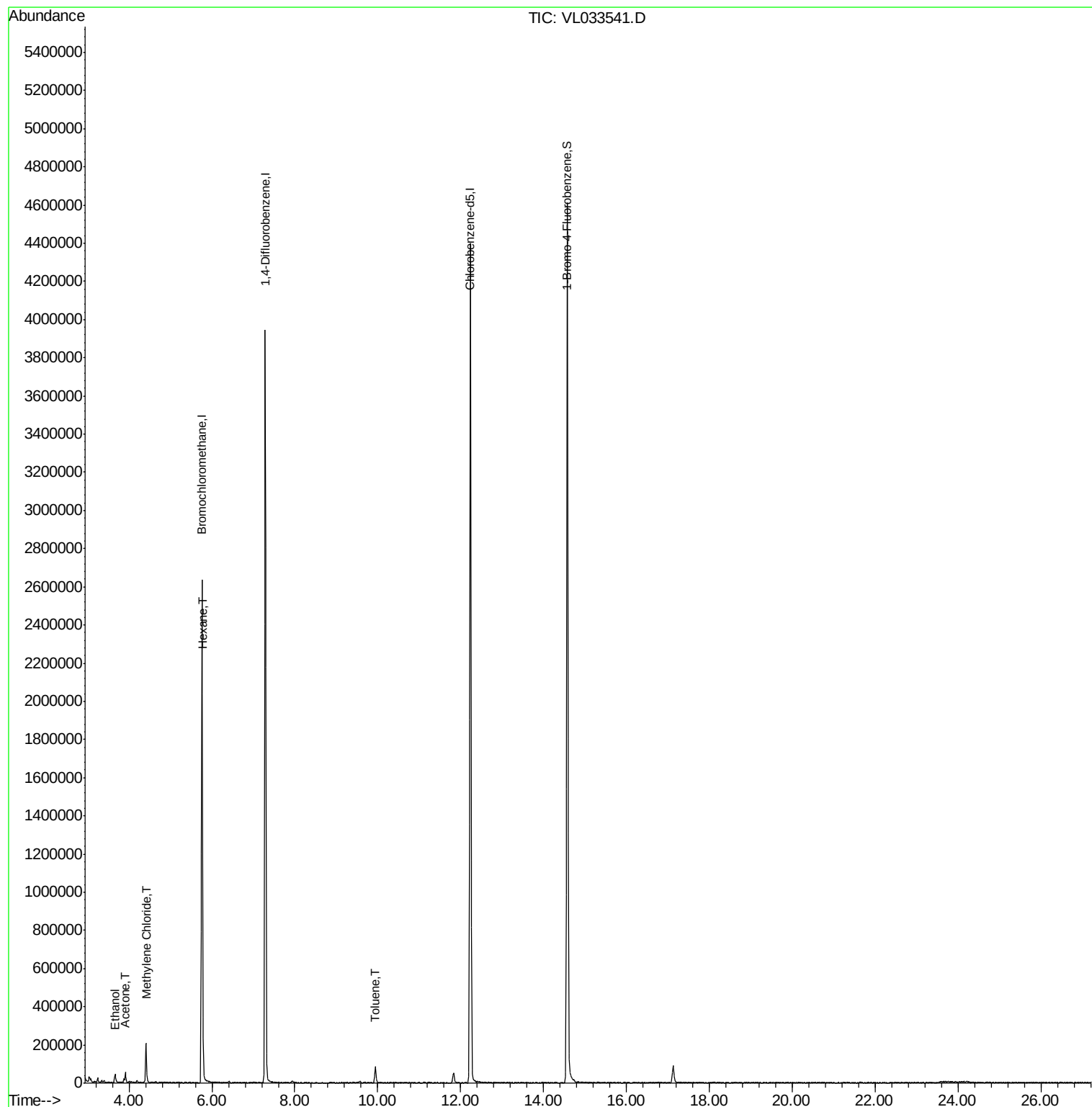
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040419\
Data File : VL033541.D
Acq On : 4 Apr 2019 20:18
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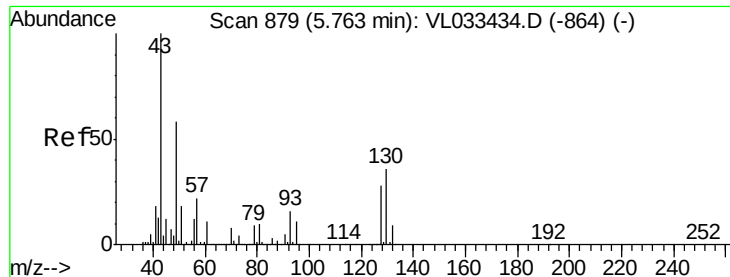
Instrument :
MSVOA_L
ClientSampleId :
A-3DL

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Quant Time: Apr 05 03:17:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
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QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033541.D

Acq: 4 Apr 2019 20:18

Instrument :

MSVOA_L

ClientSampled :

A-3DL

Tot Ion: 49 Resp: 1161112

Ion Ratio Lower Upper

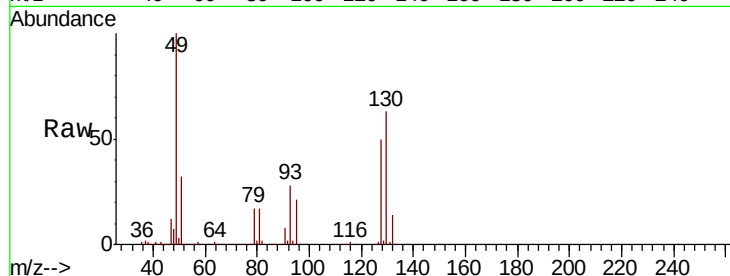
49 100

128 48.8 24.0 72.0

130 63.4 31.2 93.6

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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

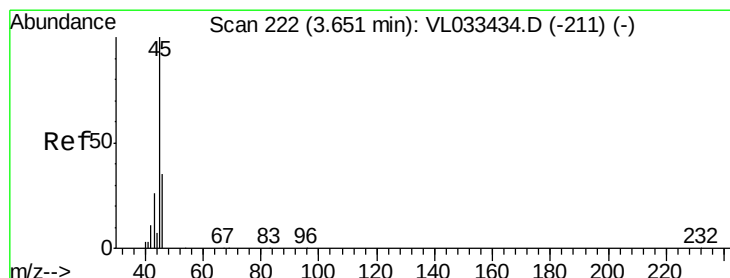
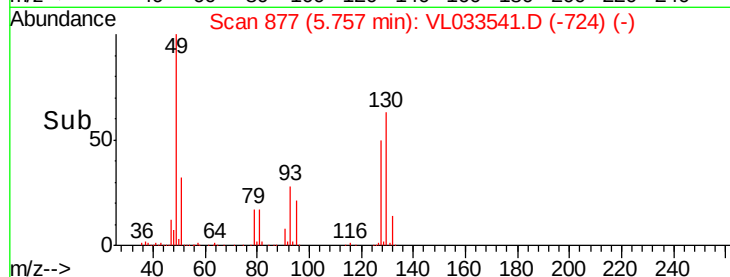
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#13

Ethanol

Concen: 3.181 ppbv m

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033541.D

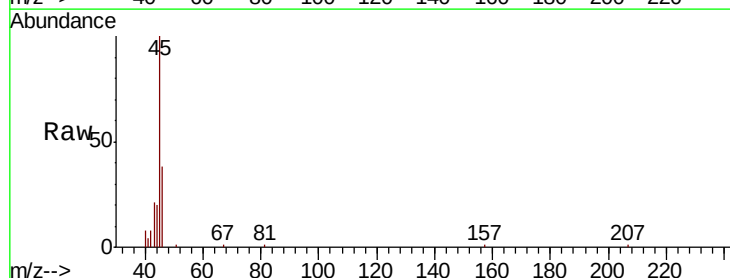
Acq: 4 Apr 2019 20:18

Tgt Ion: 45 Resp: 46206

Ion Ratio Lower Upper

45 100

46 37.0 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

25000

20000

15000

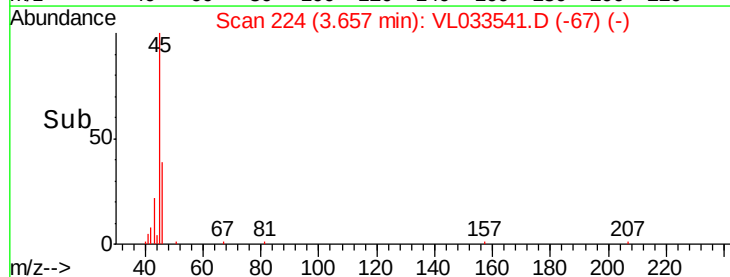
10000

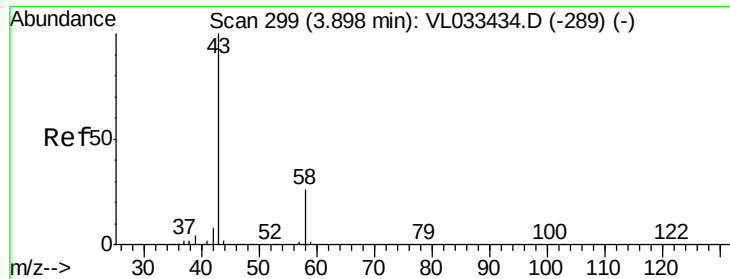
5000

0

3.60 3.65 3.70 3.75

Time-->





#15

Acetone

Concen: 0.348 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033541.D

Acq: 4 Apr 2019 20:18

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

Tot Ion: 43 Resp: 48584

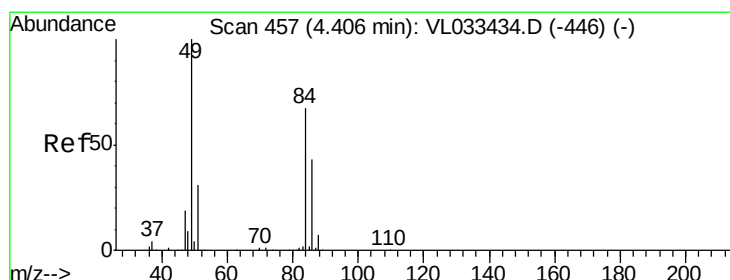
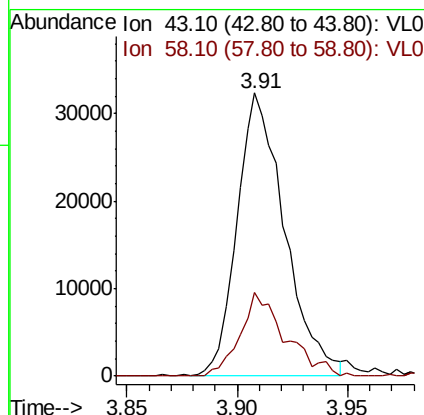
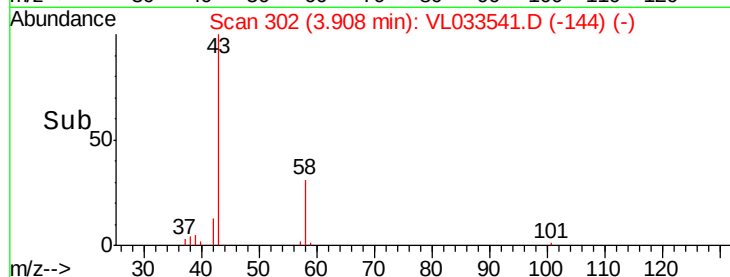
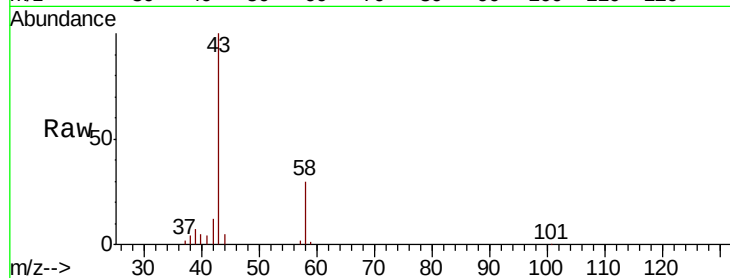
Ion Ratio Lower Upper

43 100

58 28.0 20.5 30.7

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#20

Methylene Chloride

Concen: 1.176 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033541.D

Acq: 4 Apr 2019 20:18

Tgt Ion: 84 Resp: 69719

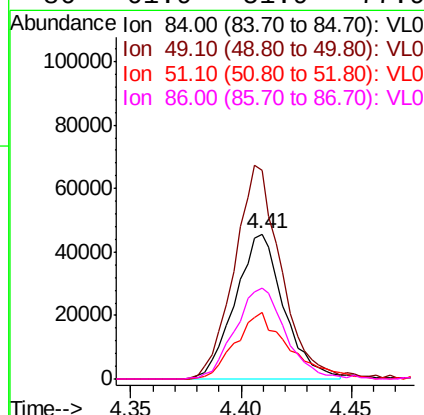
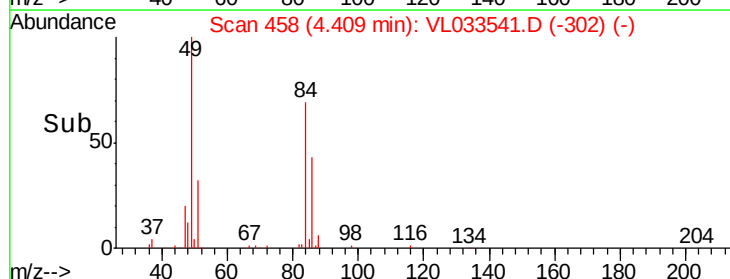
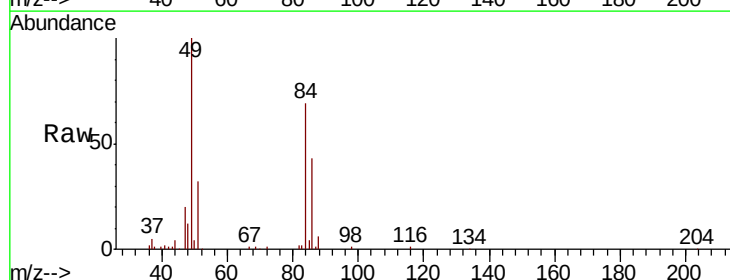
Ion Ratio Lower Upper

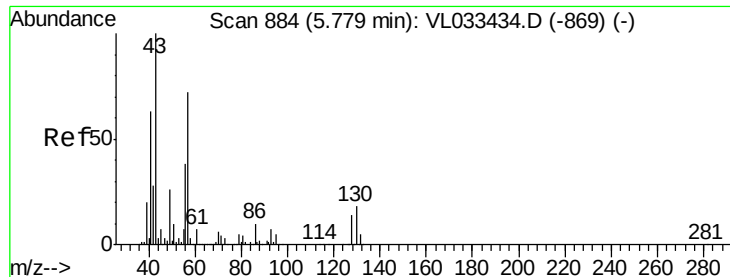
84 100

49 143.2 120.0 180.0

51 46.2 36.7 55.1

86 61.9 51.9 77.9





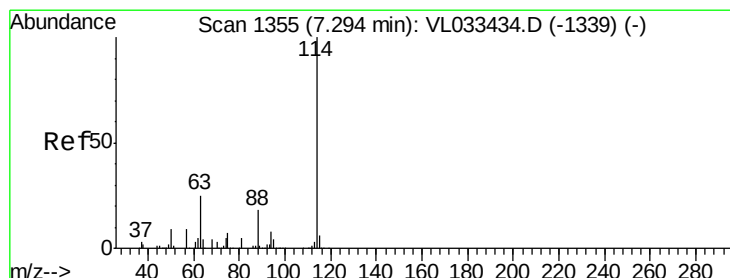
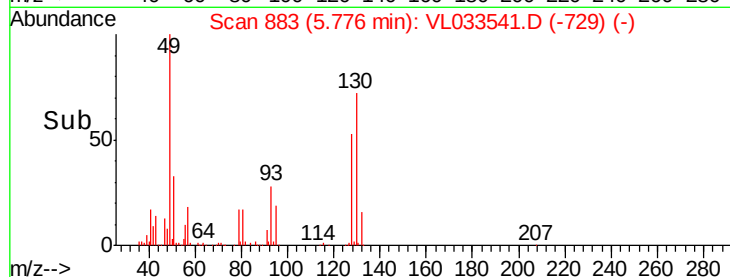
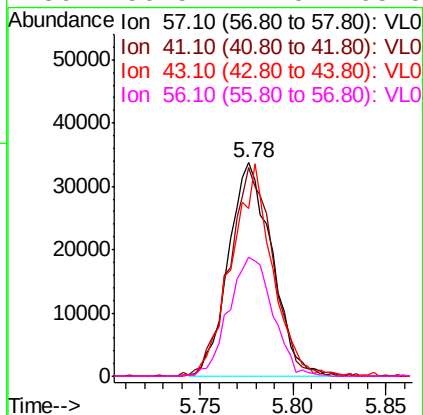
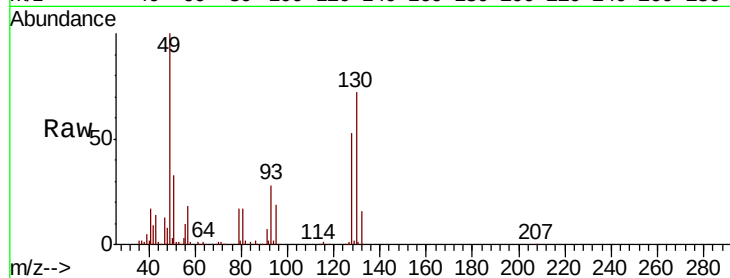
#26
Hexane
Concen: 0.477 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033541.D
Acq: 4 Apr 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :
A-3DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	98.8	70.7	106.1
43	93.3	182.6	274.0#
56	56.5	42.0	63.0

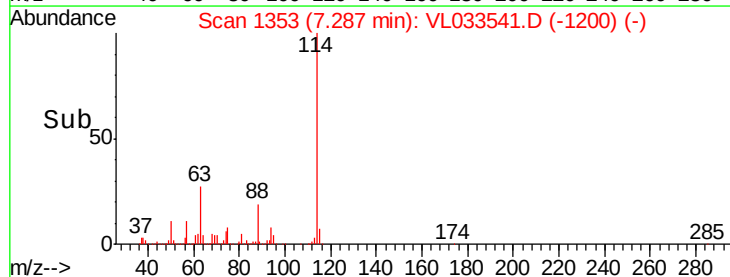
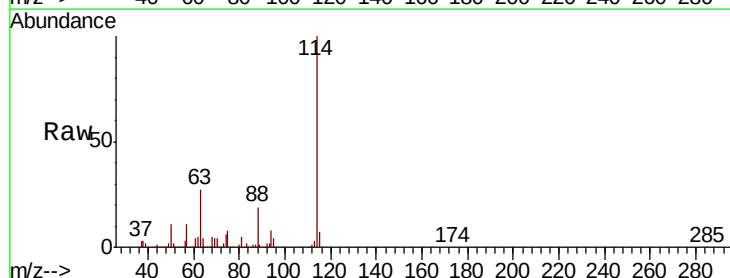
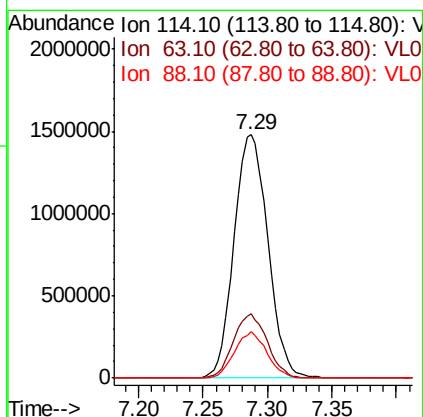
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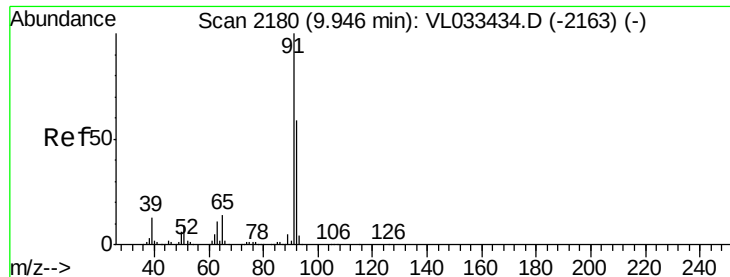
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033541.D
Acq: 4 Apr 2019 20:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.4	14.5	21.7





#53

Toluene

Concen: 0.242 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033541.D

Acq: 4 Apr 2019 20:18

Instrument :

MSVOA_L

ClientSampleId :

A-3DL

Tot Ion: 91 Resp: 63955

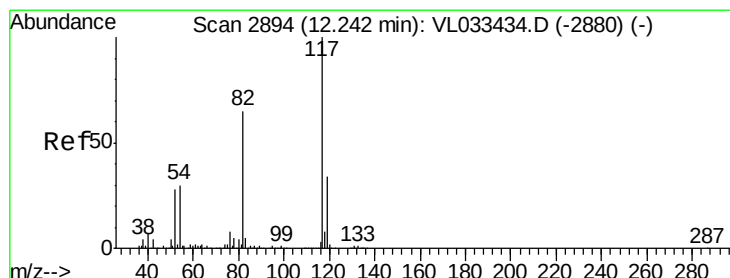
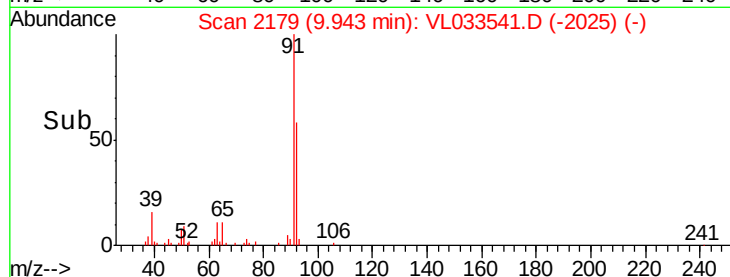
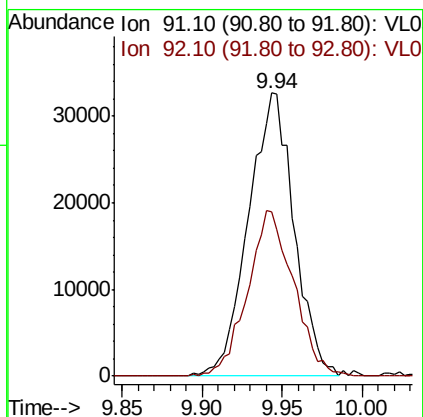
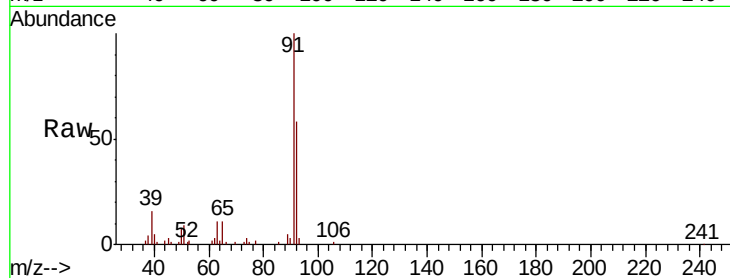
Ion Ratio Lower Upper

91 100

92 58.8 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033541.D

Acq: 4 Apr 2019 20:18

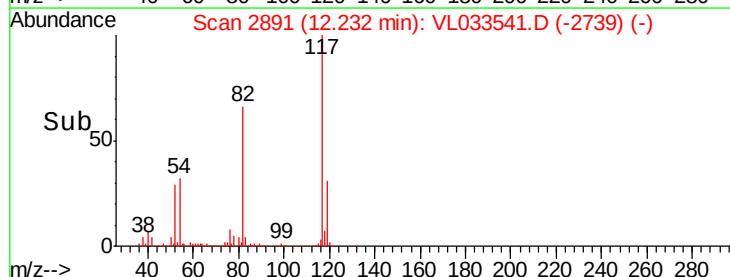
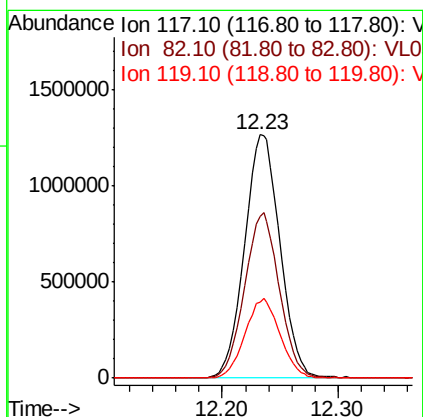
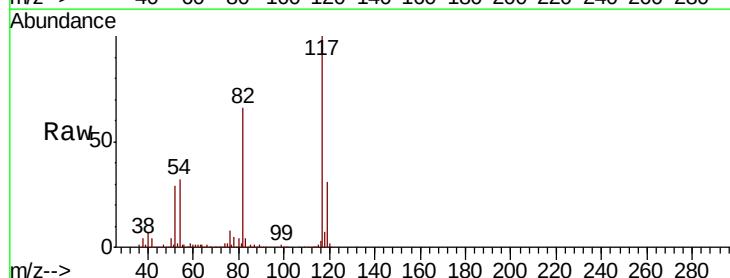
Tgt Ion: 117 Resp: 2696885

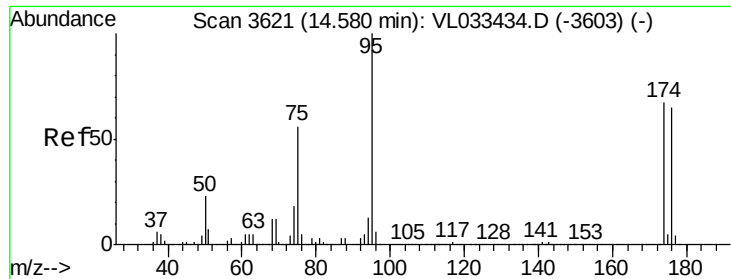
Ion Ratio Lower Upper

117 100

82 67.0 51.5 77.3

119 32.5 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.055 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033541.D
 Acq: 4 Apr 2019 20:18

Instrument :
 MSVOA_L
 ClientSampleId :
 A-3DL

Tot Ion: 95 Resp: 2125823

Ion	Ratio	Lower	Upper
95	100		
174	66.9	52.9	79.3
175	4.9	3.8	5.6

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:22:21 AM

