

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\
 Data File : VL032607.D
 Acq On : 11 Oct 2018 16:43
 Operator : SY/AP
 Sample : J5316-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 2:07:31 PM

Quant Time: Oct 12 12:56:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 08 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1564322	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3419286	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3607720	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.61	95	2603260	9.57	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.92	43	1803482	13.134	ppbv	100
17) tert-Butyl alcohol	4.41	59	20250m	1.174	ppbv	
53) Toluene	9.98	91	1059643	3.147	ppbv	100
58) Ethyl Benzene	12.89	91	68246	0.156	ppbv	93
59) m/p-Xylene	13.15	91	252826	0.649	ppbv	100
60) o-Xylene	13.88	91	62415m	0.165	ppbv	

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

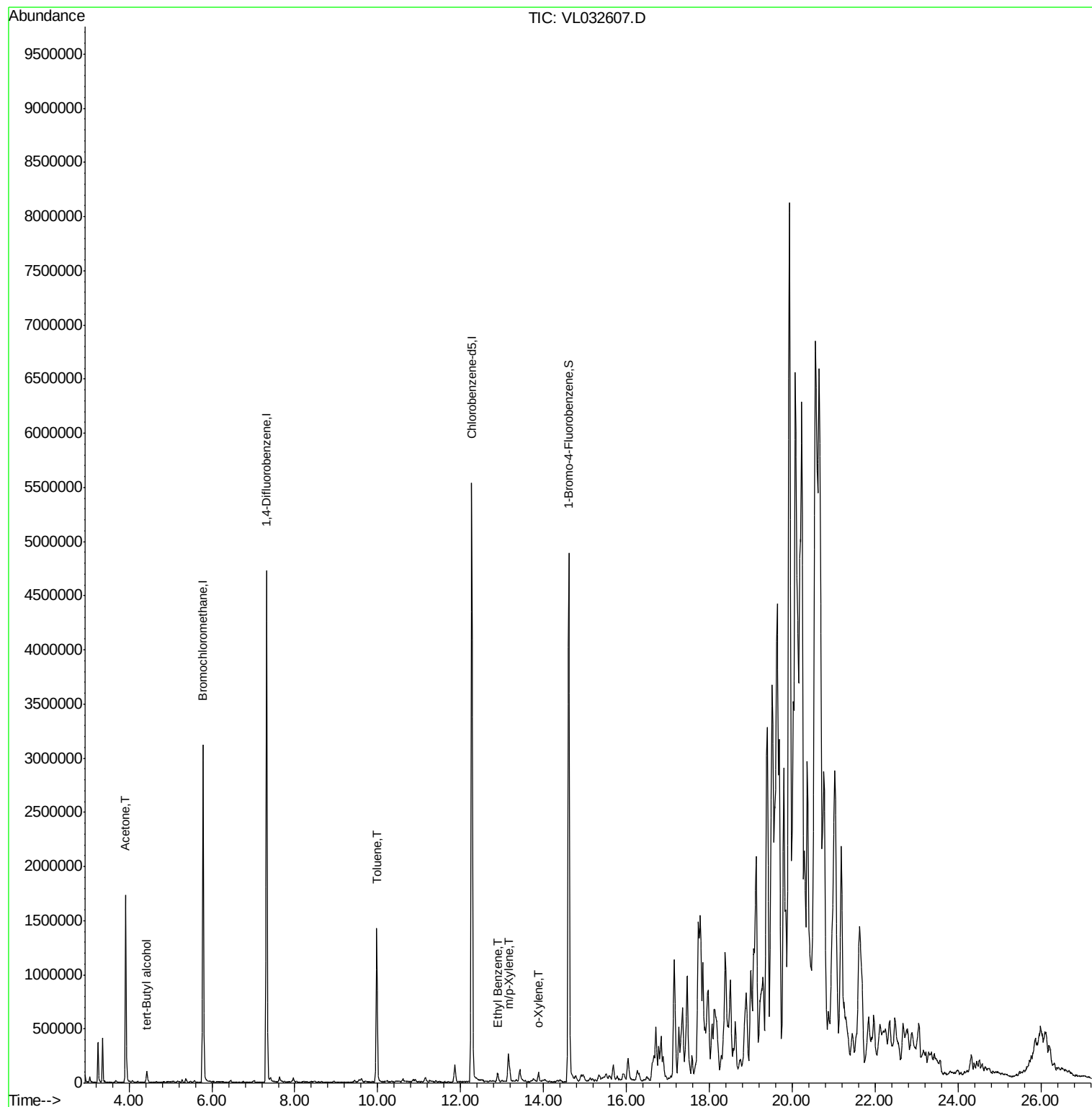
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101118\
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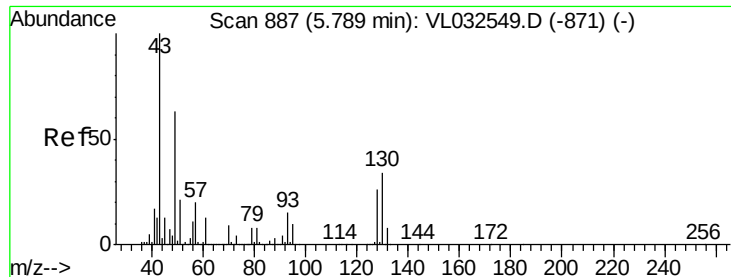
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
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QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032607.D

Acq: 11 Oct 2018 16:43

Instrument :

MSVOA_L

ClientSampled :

SV-1DL

Tot Ion: 49 Resp: 1564322

Ion Ratio Lower Upper

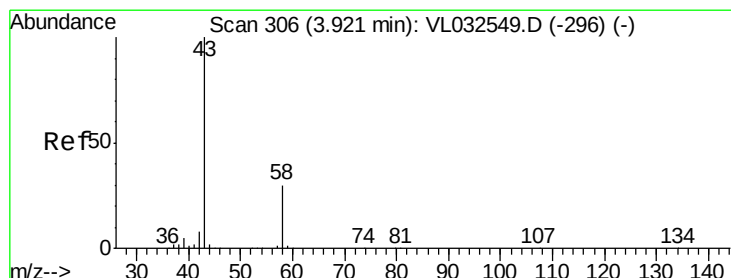
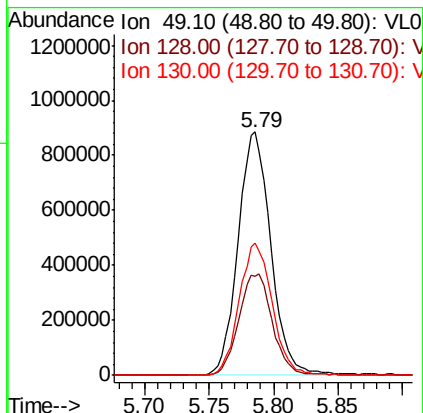
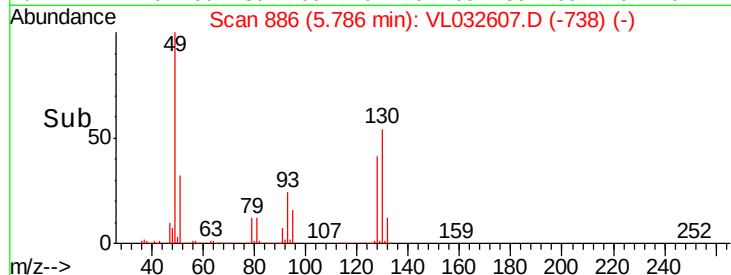
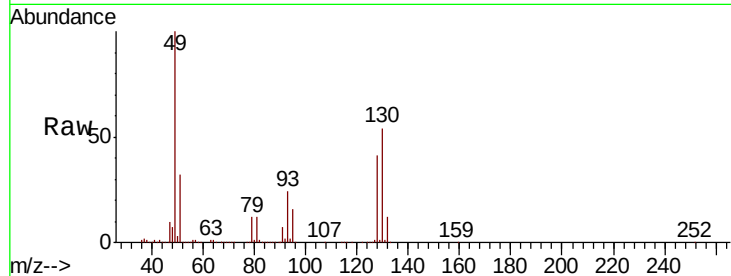
49 100

128 43.0 20.7 62.1

130 55.6 26.6 79.7

Manual Integrations
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#15

Acetone

Concen: 13.134 ppbv

RT: 3.92 min Scan# 305

Delta R.T. -0.02 min

Lab File: VL032607.D

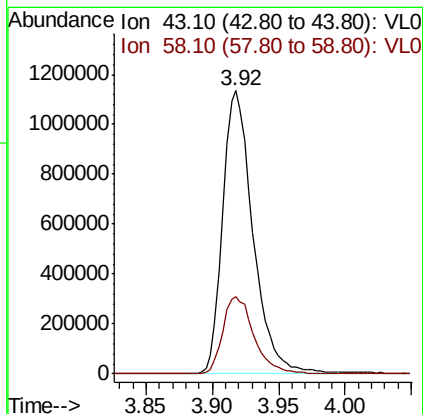
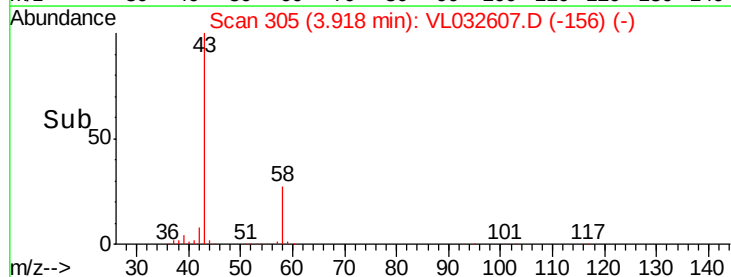
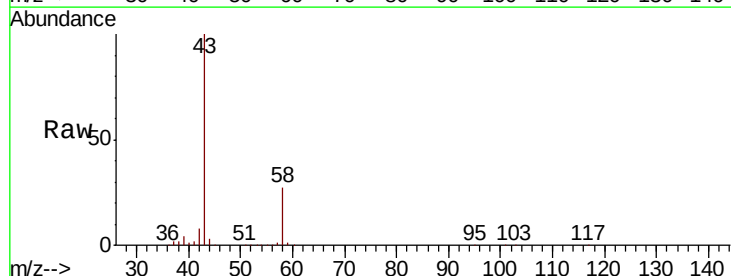
Acq: 11 Oct 2018 16:43

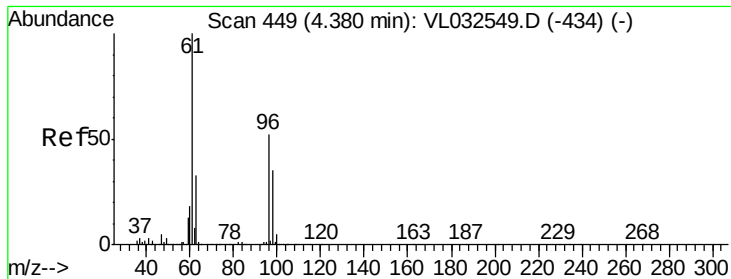
Tgt Ion: 43 Resp: 1803482

Ion Ratio Lower Upper

43 100

58 28.2 22.6 33.8





#17

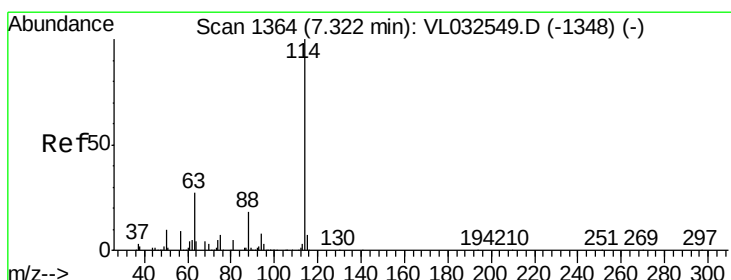
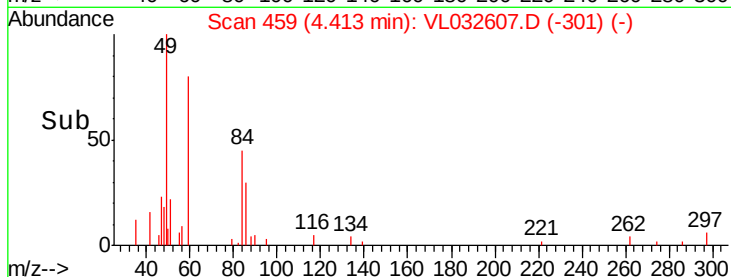
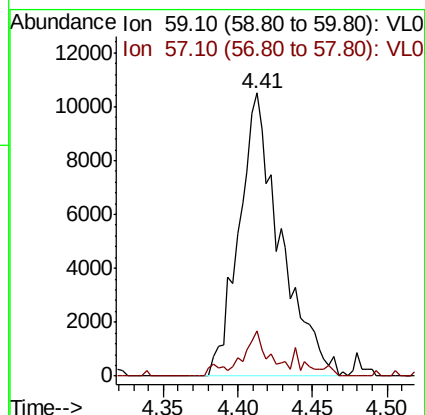
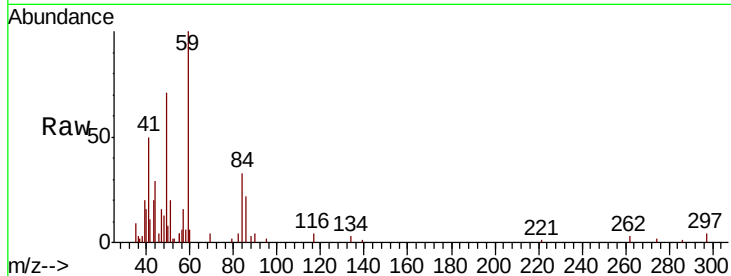
tert-Butyl alcohol
Concen: 1.174 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Manual Integrations
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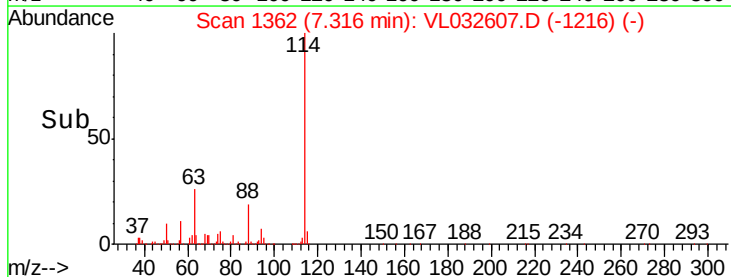
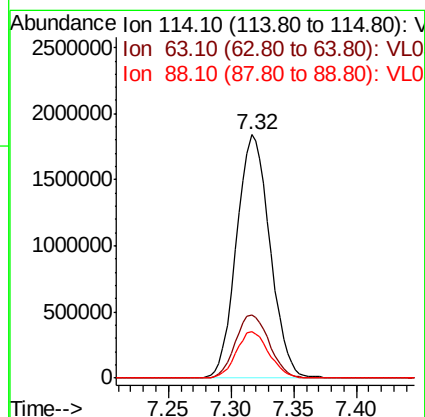
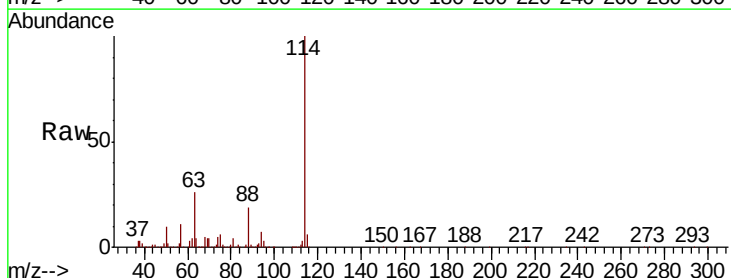
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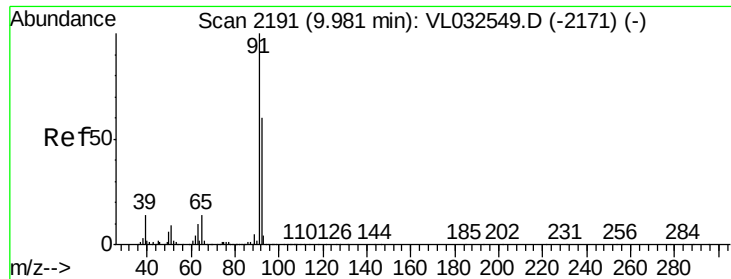


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.5	22.2	33.4
88	18.7	15.0	22.4





#53

Toluene

Concen: 3.147 ppbv

RT: 9.98 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL032607.D

Acq: 11 Oct 2018 16:43

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tot Ion: 91 Resp: 1059643

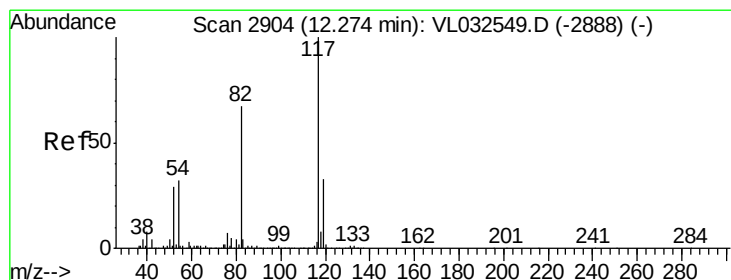
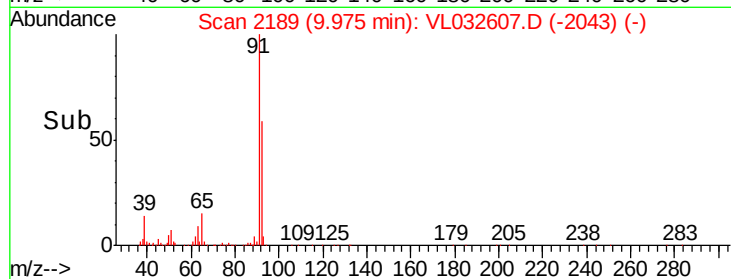
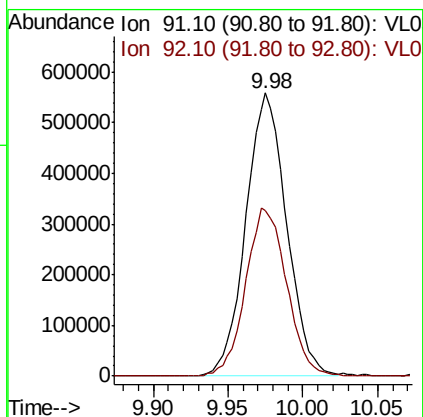
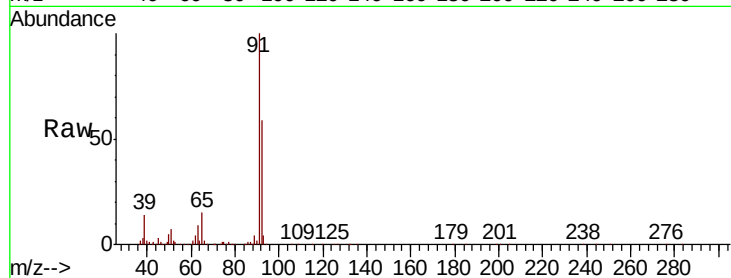
Ion Ratio Lower Upper

91 100

92 59.8 48.1 72.1

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2902

Delta R.T. -0.03 min

Lab File: VL032607.D

Acq: 11 Oct 2018 16:43

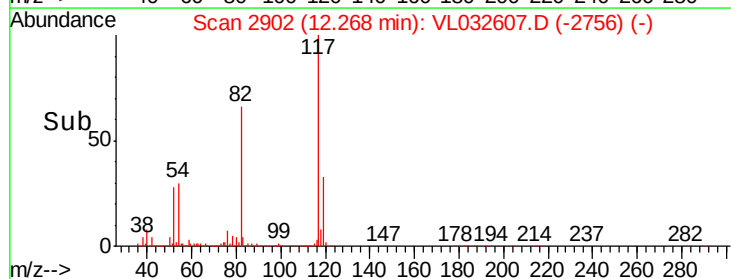
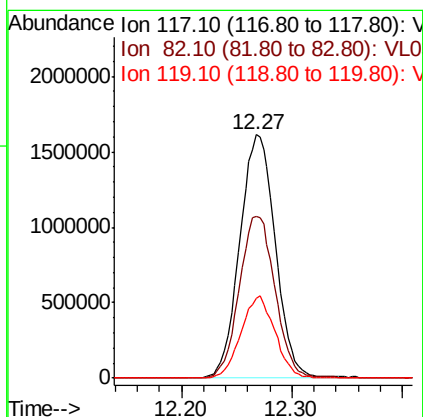
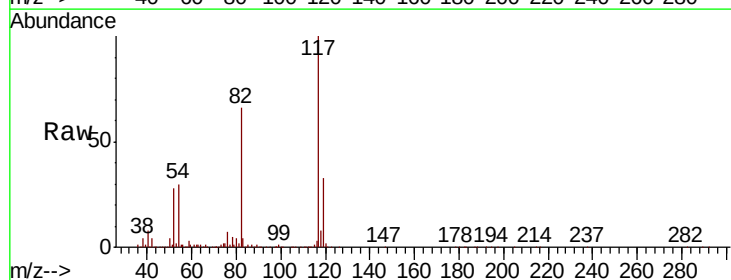
Tgt Ion: 117 Resp: 3607720

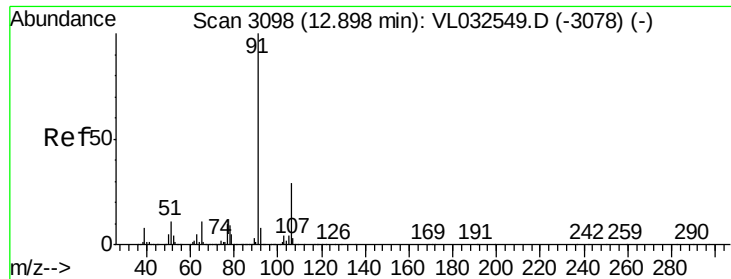
Ion Ratio Lower Upper

117 100

82 67.2 53.0 79.6

119 32.3 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.156 ppbv

RT: 12.89 min Scan# 3096

Delta R.T. -0.03 min

Lab File: VL032607.D

Acq: 11 Oct 2018 16:43

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tot Ion: 91 Resp: 68246

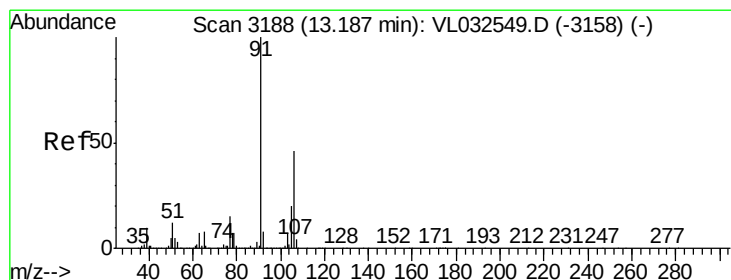
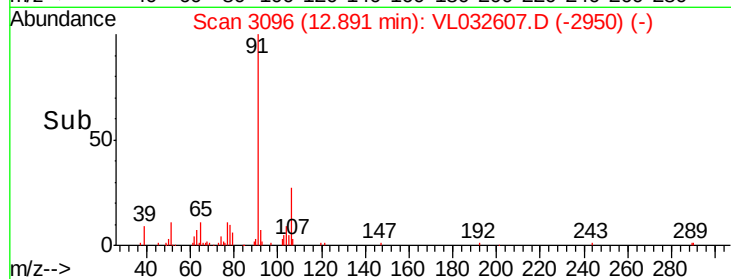
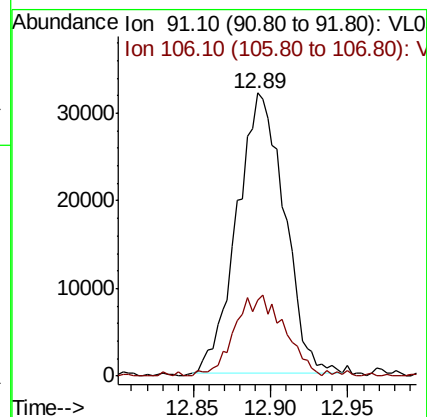
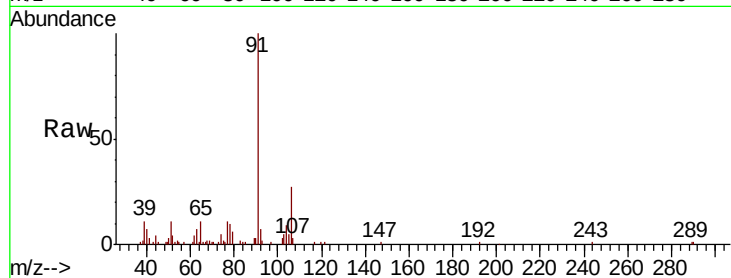
Ion Ratio Lower Upper

91 100

106 27.3 24.8 37.2

Manual Integrations
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#59

m/p-Xylene

Concen: 0.649 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. -0.06 min

Lab File: VL032607.D

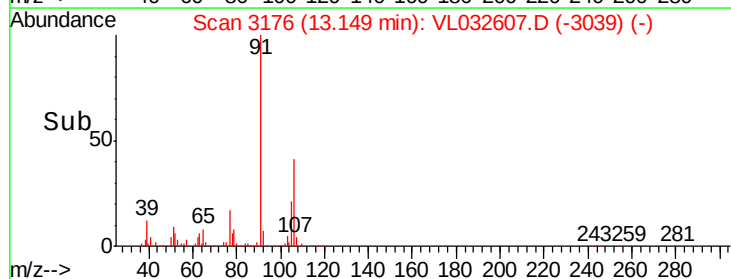
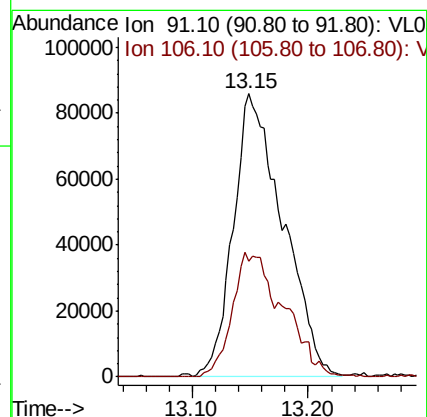
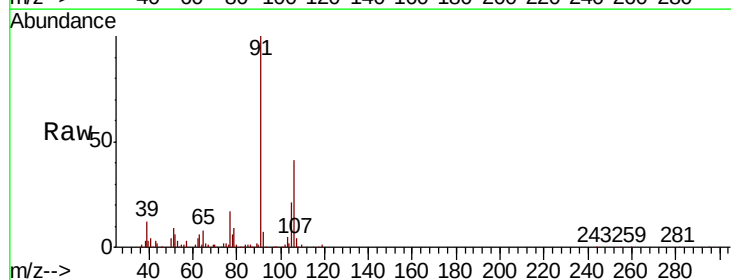
Acq: 11 Oct 2018 16:43

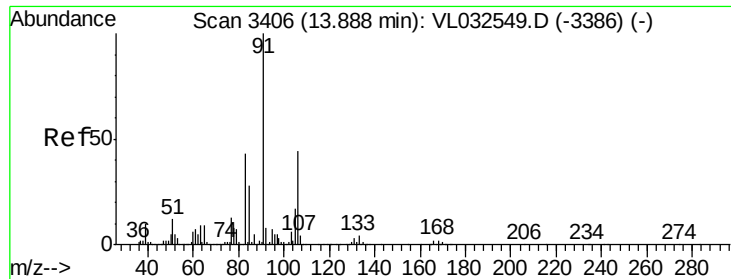
Tgt Ion: 91 Resp: 252826

Ion Ratio Lower Upper

91 100

106 45.5 36.6 55.0





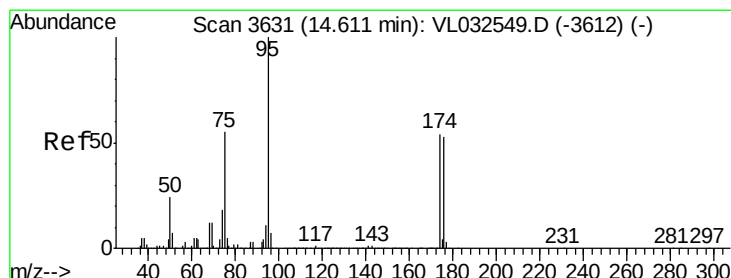
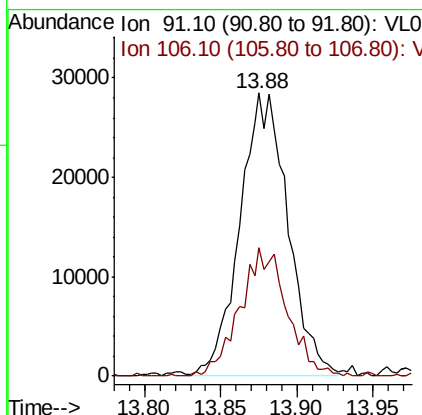
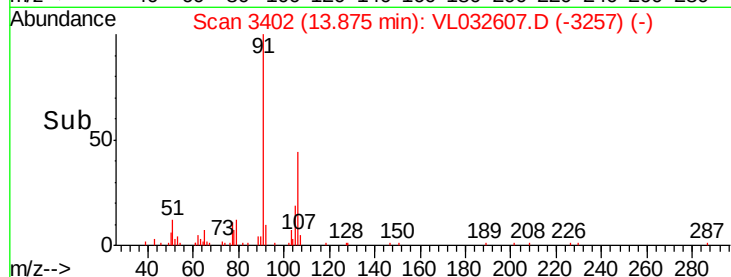
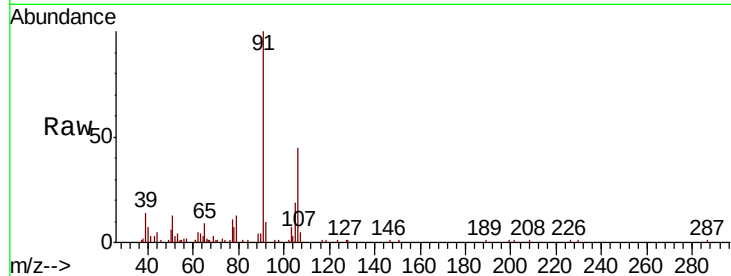
#60
o-Xylene
Concen: 0.165 ppbv m
RT: 13.88 min Scan# 3402
Delta R.T. -0.03 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion: 91 Resp: 62415
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.7

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.569 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032607.D
Acq: 11 Oct 2018 16:43

Tgt Ion: 95 Resp: 2603260
Ion Ratio Lower Upper
95 100
174 57.9 46.3 69.5
175 4.3 3.4 5.0

