

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032672.D
 Acq On : 19 Oct 2018 7:01
 Operator : SY/AP
 Sample : J5581-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-2DL

Manual Integrations
 APPROVED

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 10/24/2018 12:05:44 PM

Quant Time: Oct 19 08:14:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1535628	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3709839	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3686823	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2746713	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.67	45	55965	3.962	ppbv	98
15) Acetone	3.93	43	45906	0.324	ppbv	99
20) Methylene Chloride	4.43	84	29530m	0.410	ppbv	
26) Hexane	5.80	57	56927	0.369	ppbv #	41
53) Toluene	9.96	91	106827	0.309	ppbv	97

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

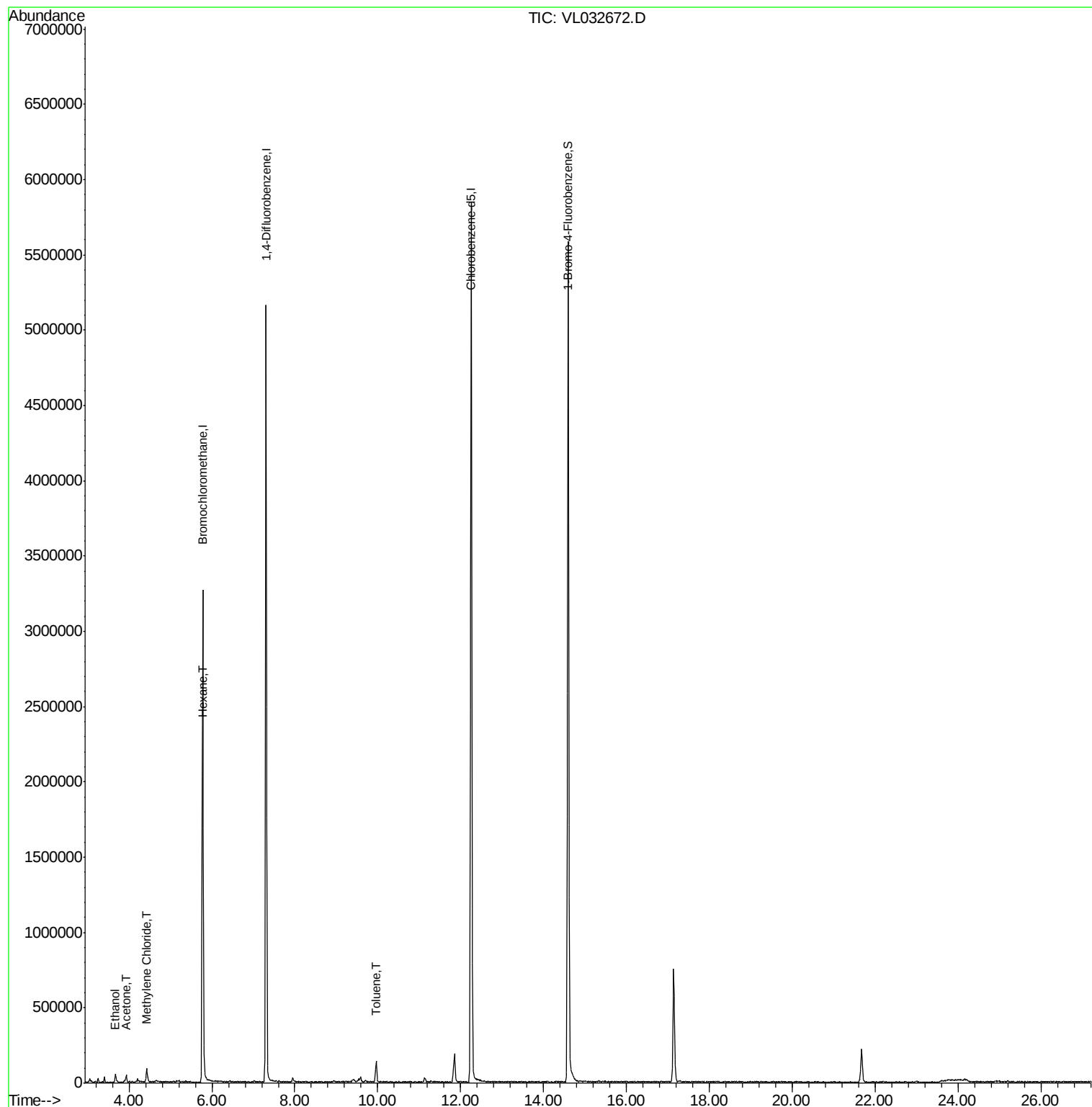
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101818\
Data File : VL032672.D
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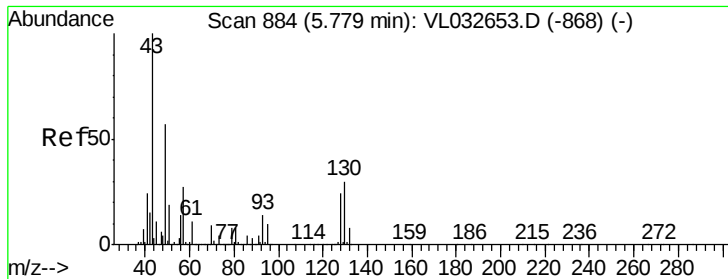
Instrument :
MSVOA_L
ClientSampleId :
A-2DL

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Quant Time: Oct 19 08:14:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
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QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampleId :

A-2DL

Tot Ion: 49 Resp: 1535628

Ion Ratio Lower Upper

49 100

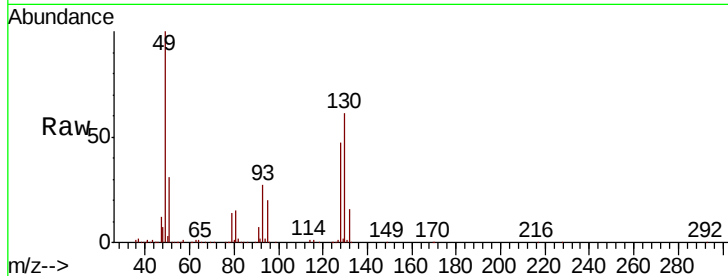
128 48.8 22.3 66.8

130 61.7 28.4 85.3

Manual Integrations
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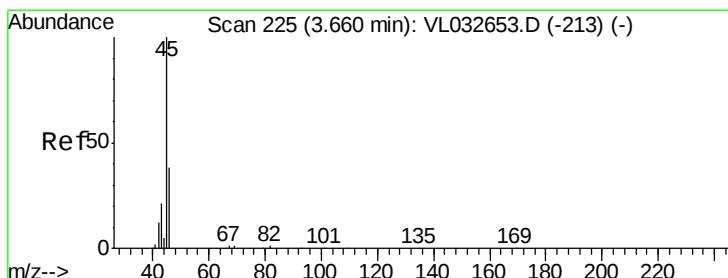
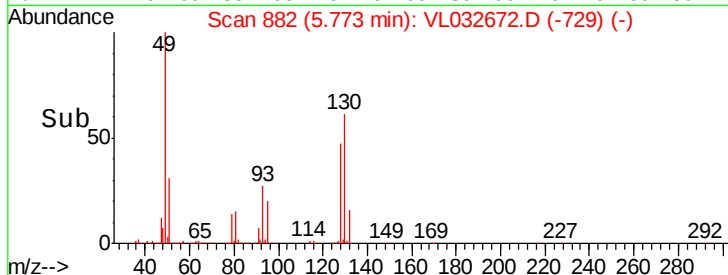
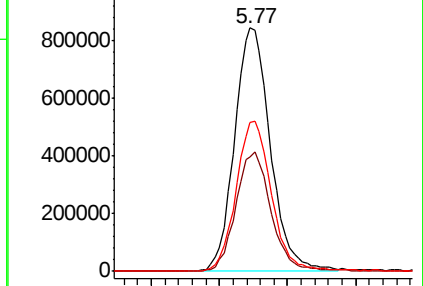
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 3.962 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL032672.D

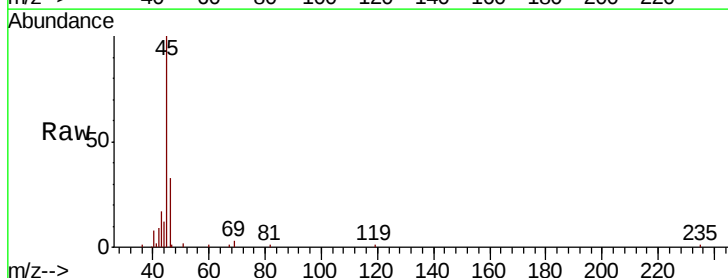
Acq: 19 Oct 2018 7:01

Tgt Ion: 45 Resp: 55965

Ion Ratio Lower Upper

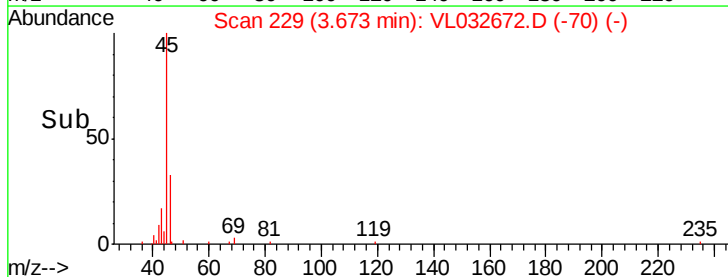
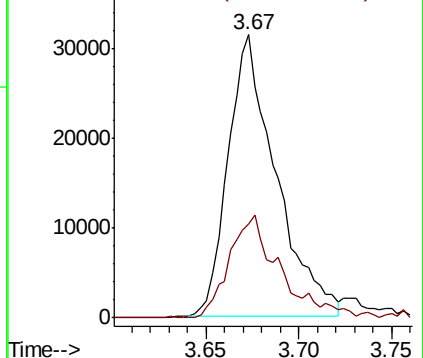
45 100

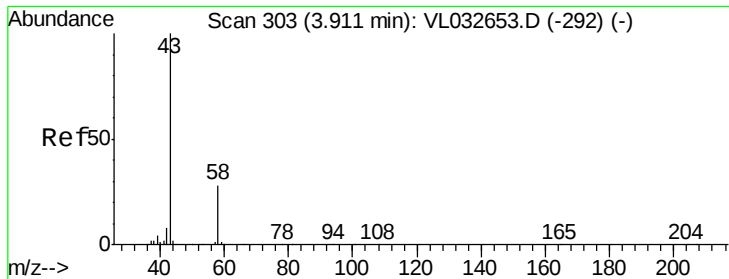
46 39.6 15.4 61.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.324 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampleId :

A-2DL

Tot Ion: 43 Resp: 45906

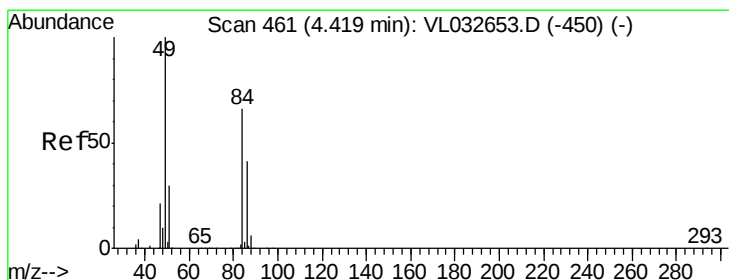
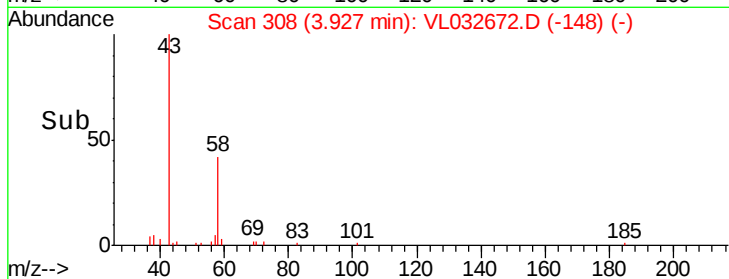
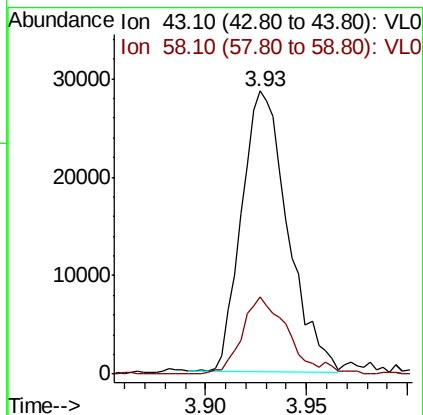
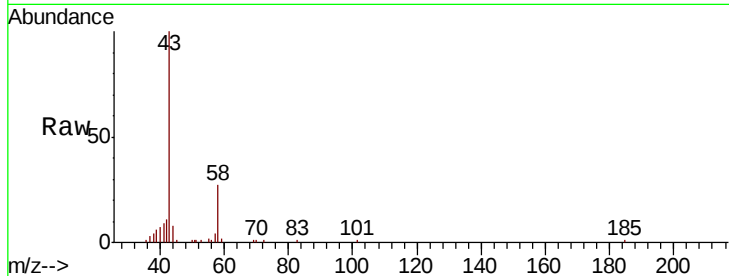
Ion Ratio Lower Upper

43 100

58 27.9 22.1 33.1

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#20

Methylene Chloride

Concen: 0.410 ppbv m

RT: 4.43 min Scan# 463

Delta R.T. 0.01 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Tgt Ion: 84 Resp: 29530

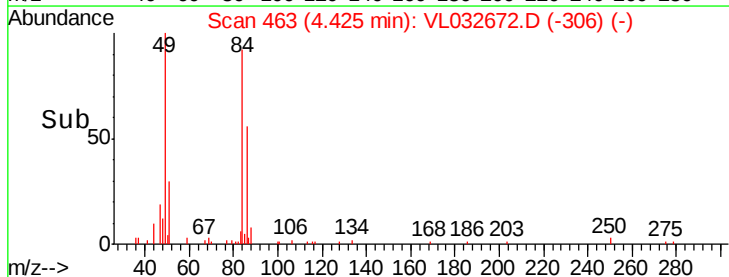
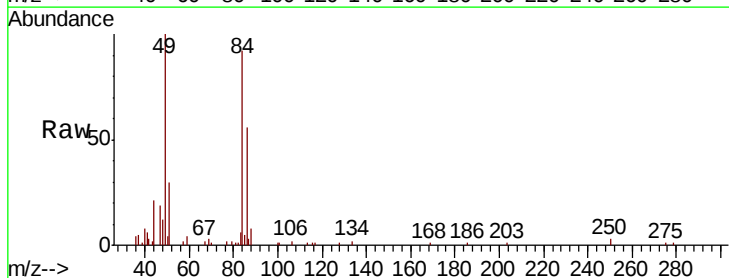
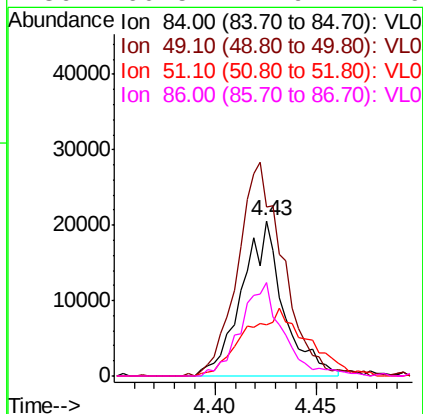
Ion Ratio Lower Upper

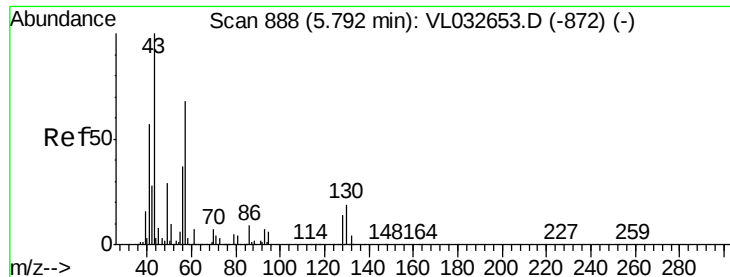
84 100

49 108.6 113.5 170.3#

51 33.1 34.8 52.2#

86 60.5 47.9 71.9





#26

Hexane

Concen: 0.369 ppbv

RT: 5.80 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

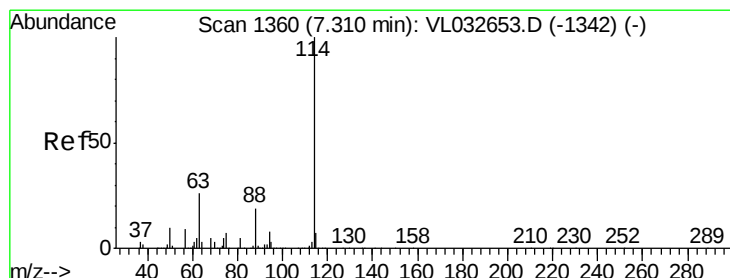
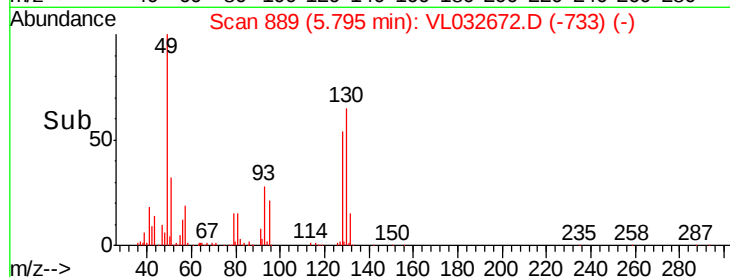
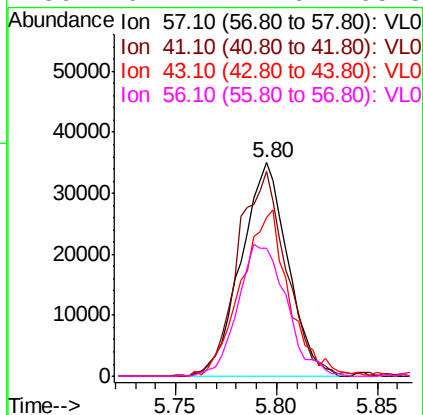
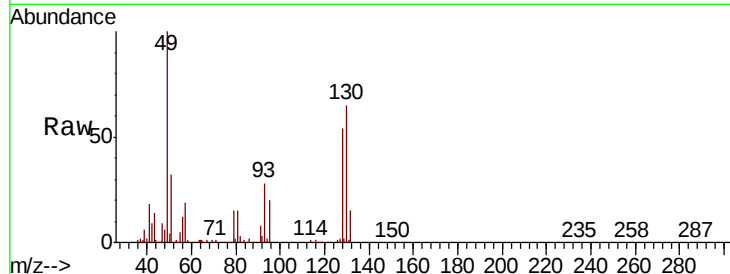
ClientSampled :

A-2DL

Tot Ion:	57	Resp:	56927
Ion Ratio	Lower	Upper	
57	100		
41	101.0	67.4	101.0
43	80.4	171.9	257.9#
56	64.2	42.6	63.8#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

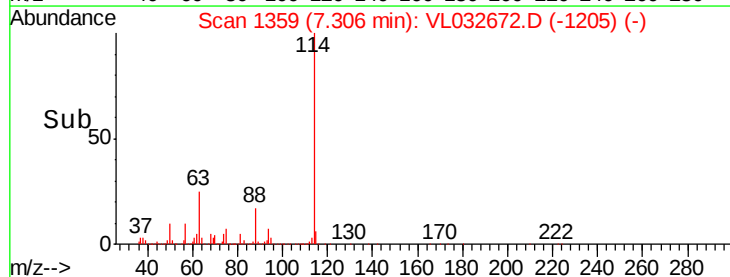
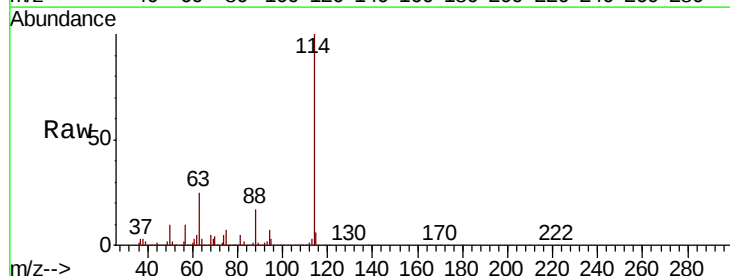
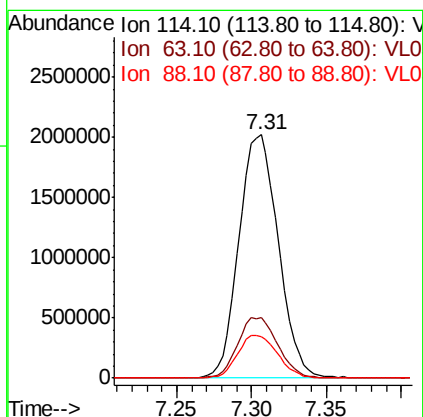
RT: 7.31 min Scan# 1359

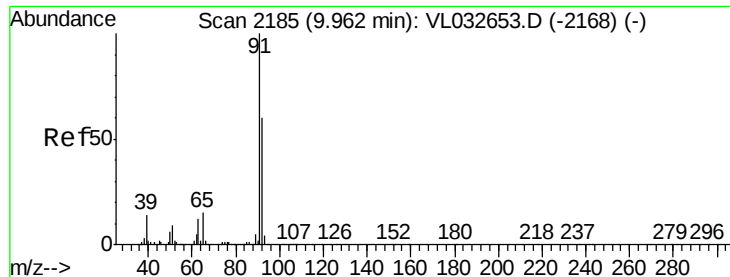
Delta R.T. -0.00 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Tgt Ion:	114	Resp:	3709839
Ion Ratio	Lower	Upper	
114	100		
63	25.4	21.7	32.5
88	17.9	14.9	22.3





#53

Toluene

Concen: 0.309 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampled :

A-2DL

Tot Ion: 91 Resp: 106827

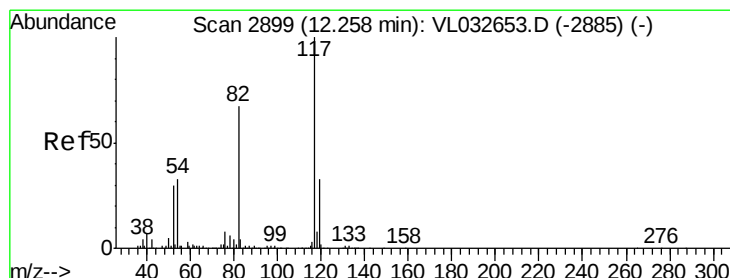
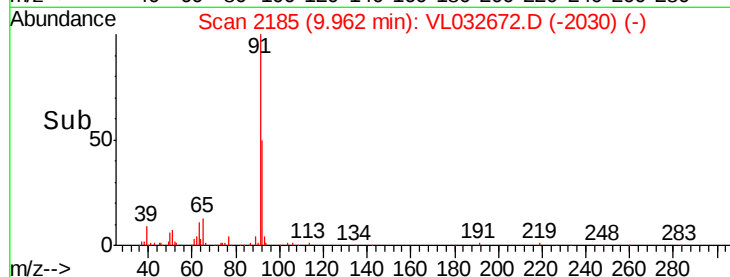
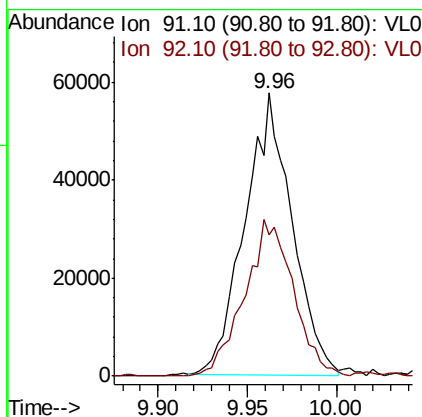
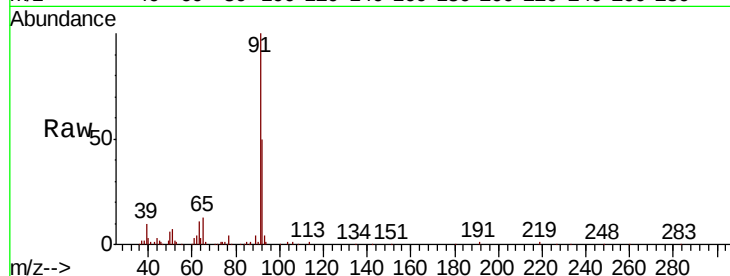
Ion Ratio Lower Upper

91 100

92 58.3 48.4 72.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

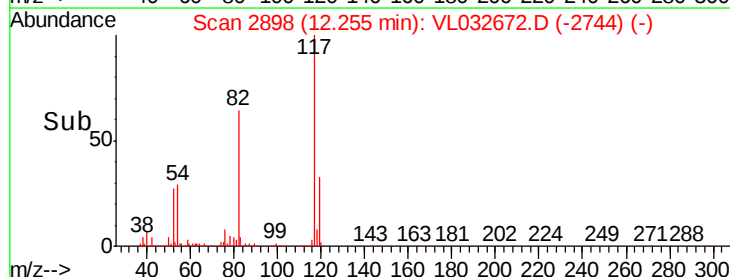
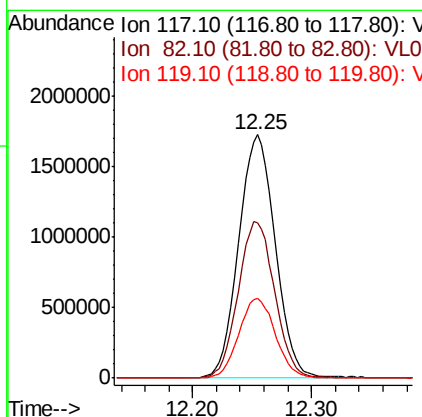
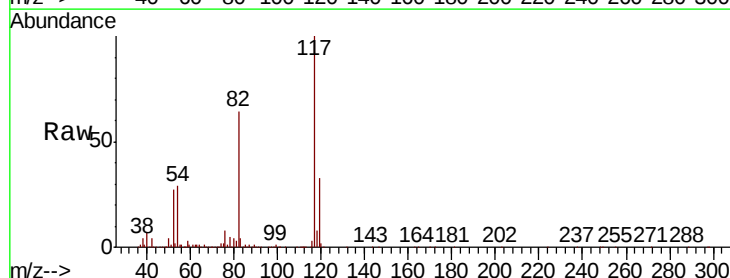
Tgt Ion: 117 Resp: 3686823

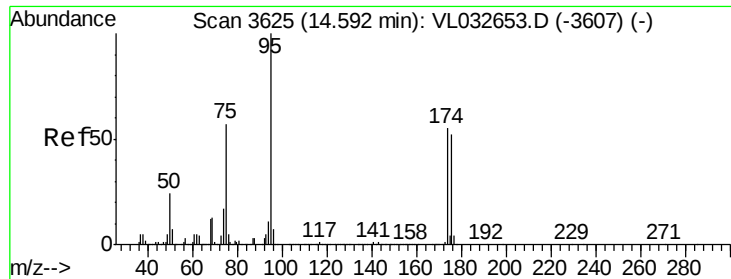
Ion Ratio Lower Upper

117 100

82 64.7 52.7 79.1

119 32.9 26.7 40.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.006 ppbv
 RT: 14.59 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL032672.D
 Acq: 19 Oct 2018 7:01

Instrument :
 MSVOA_L
 ClientSampleId :
 A-2DL

Tot Ion: 95 Resp: 2746713
 Ion Ratio Lower Upper
 95 100
 174 62.3 46.0 69.0
 175 4.6 3.4 5.0

Manual Integrations
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