

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032843.D
 Acq On : 29 Nov 2018 20:39
 Operator : SY/AP
 Sample : J6088-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3DL

Manual Integrations
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 12/4/2018 8:39:00 AM

Quant Time: Nov 30 07:52:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:52:27 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1352599	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3414095	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3253831	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2480439	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.68	45	14764m	1.050	ppbv	
15) Acetone	3.92	43	129632	1.049	ppbv	100
20) Methylene Chloride	4.42	84	19487	0.305	ppbv #	91
34) 2-Butanone	5.37	43	23142m	0.131	ppbv	
53) Toluene	9.95	91	32529	0.115	ppbv	98

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

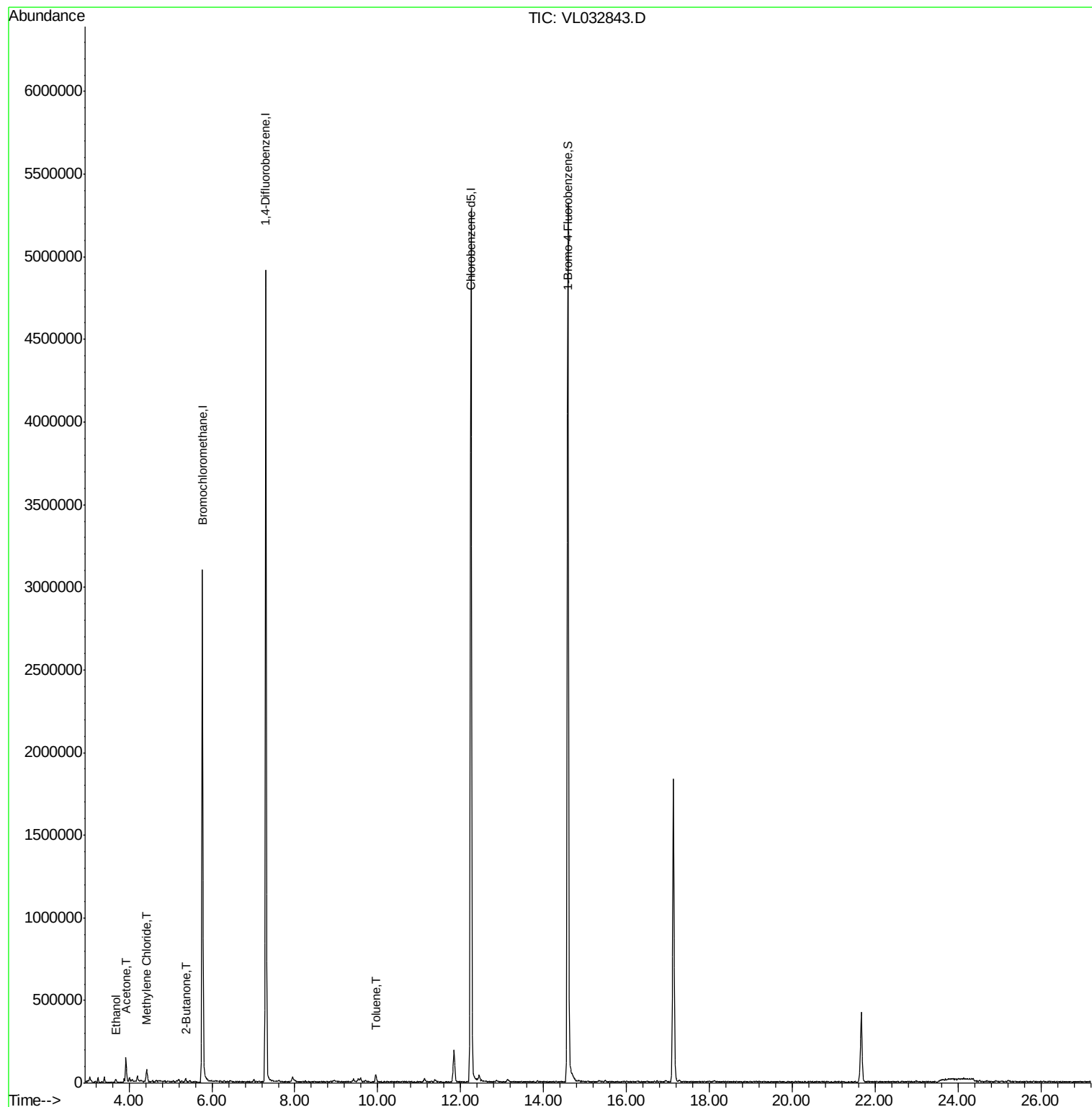
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
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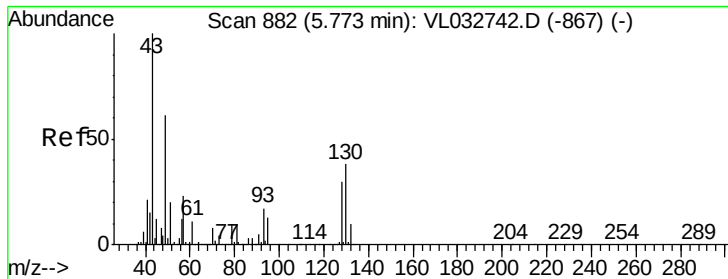
Instrument :
MSVOA_L
ClientSampleId :
IAS-3DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
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QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032843.D

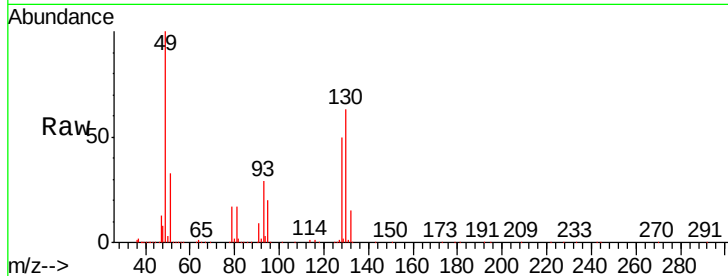
Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_L

ClientSampled :

IAS-3DL



Tgt Ion: 49 Resp: 1352599

Ion Ratio Lower Upper

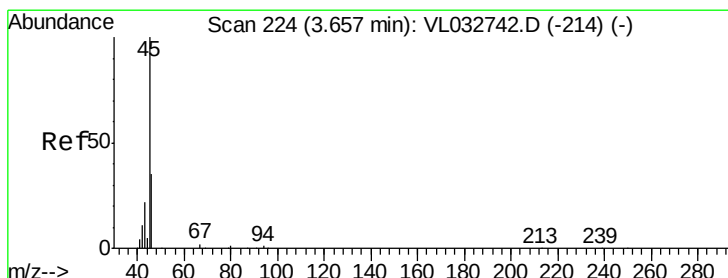
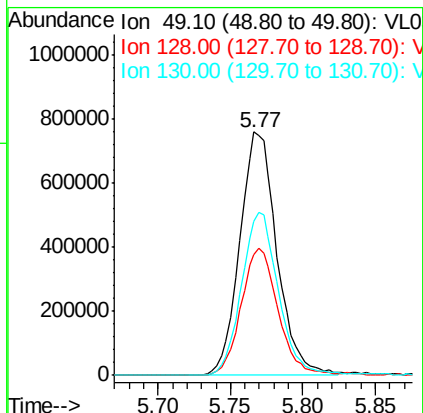
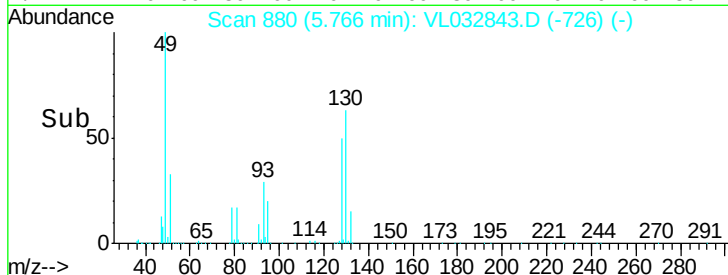
49 100

128 52.8 24.9 74.6

130 67.9 31.4 94.2

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#13

Ethanol

Concen: 1.050 ppbv m

RT: 3.68 min Scan# 232

Delta R.T. 0.03 min

Lab File: VL032843.D

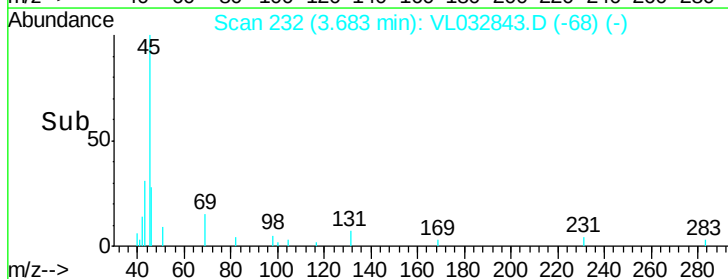
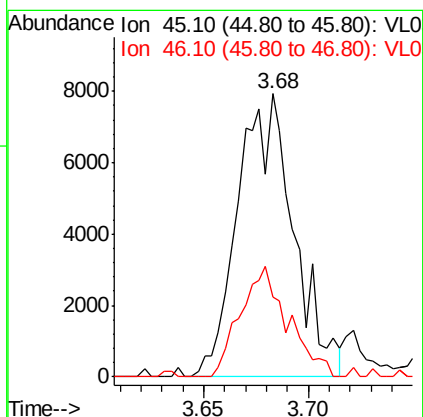
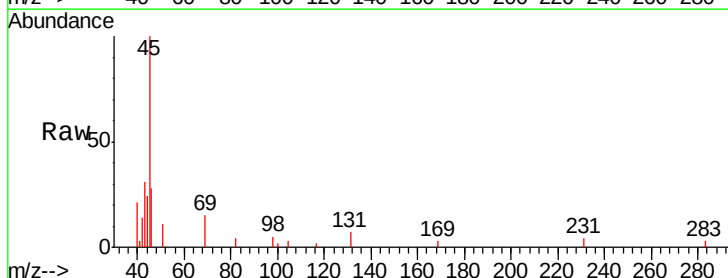
Acq: 29 Nov 2018 20:39

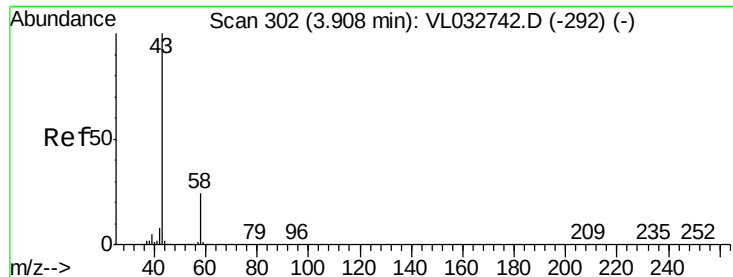
Tgt Ion: 45 Resp: 14764

Ion Ratio Lower Upper

45 100

46 0.0 14.5 57.9#





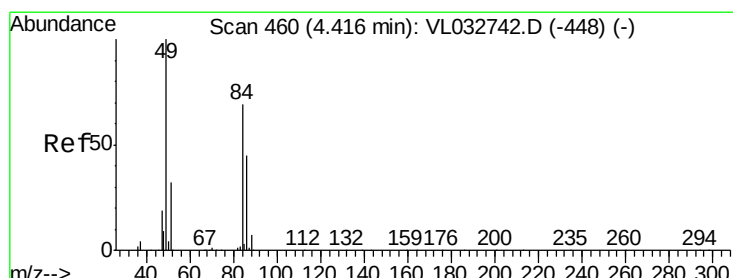
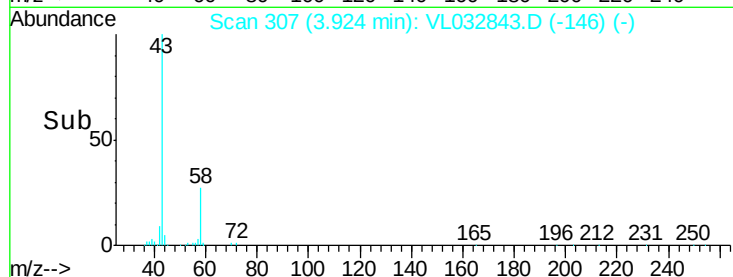
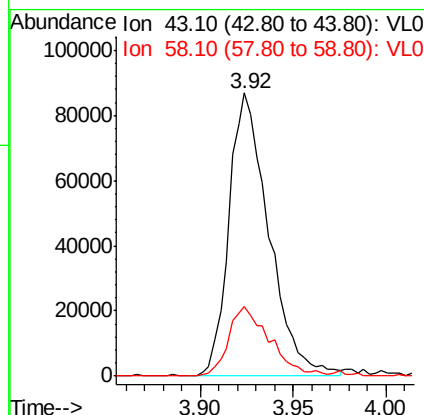
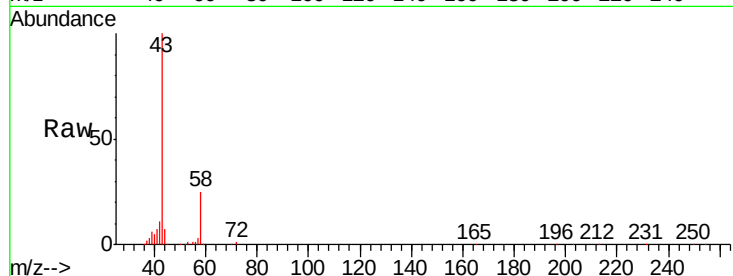
#15
Acetone
Concen: 1.049 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.02 min
Lab File: VL032843.D
Acq: 29 Nov 2018 20:39

Instrument :
MSVOA_L
ClientSampleID :
IAS-3DL

Tgt Ion: 43 Resp: 129632
Ion Ratio Lower Upper
43 100
58 26.4 21.1 31.7

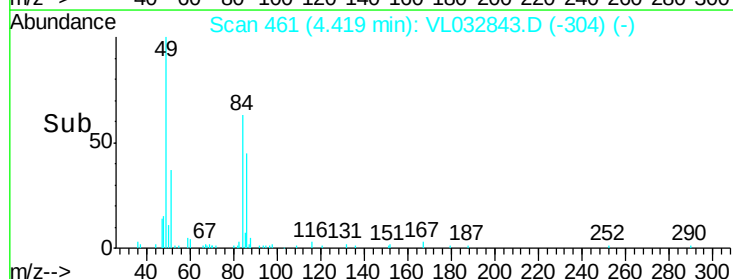
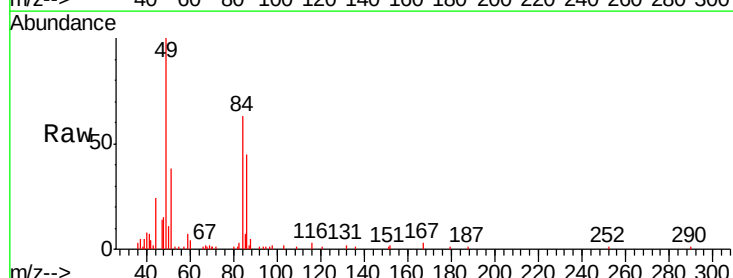
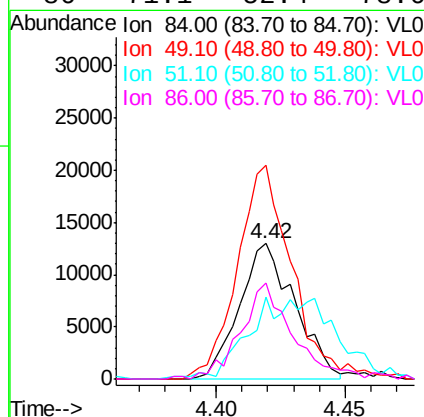
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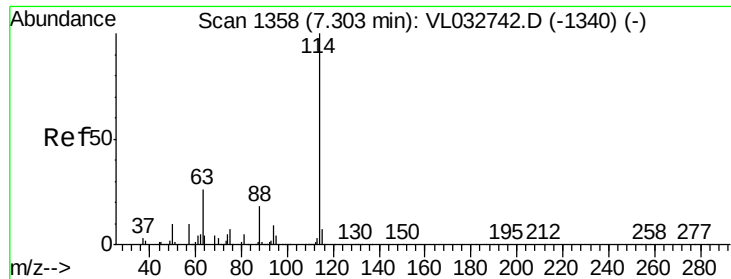
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#20
Methylene Chloride
Concen: 0.305 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032843.D
Acq: 29 Nov 2018 20:39

Tgt Ion: 84 Resp: 19487
Ion Ratio Lower Upper
84 100
49 153.7 115.8 173.6
51 58.3 36.9 55.3#
86 71.1 52.4 78.6





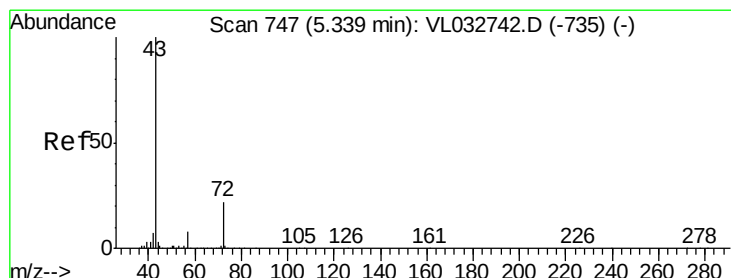
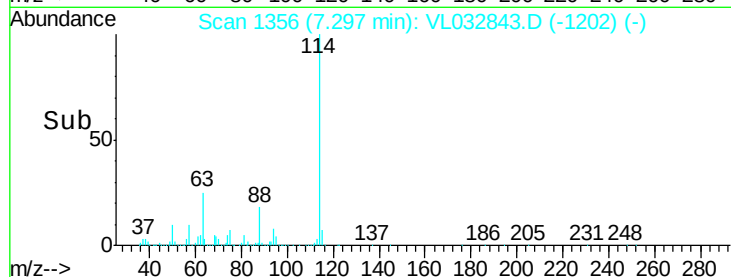
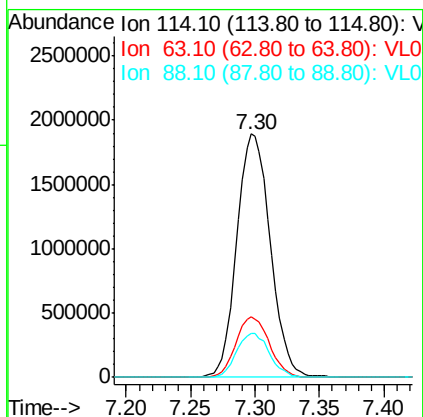
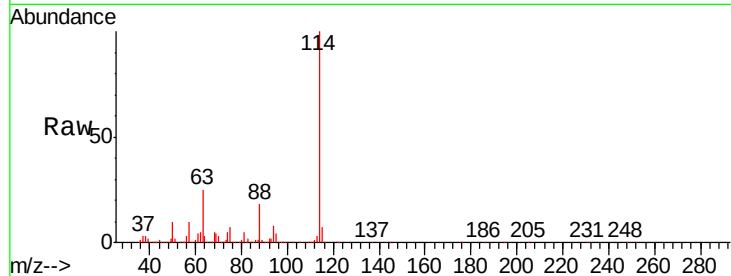
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL032843.D
 Acq: 29 Nov 2018 20:39

Instrument :
 MSVOA_L
 ClientSampled :
 IAS-3DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.9	31.3
88	17.9	14.4	21.6

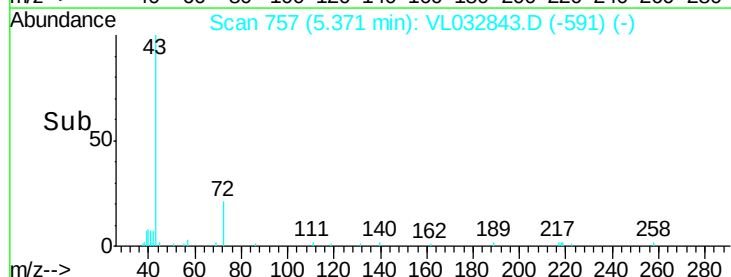
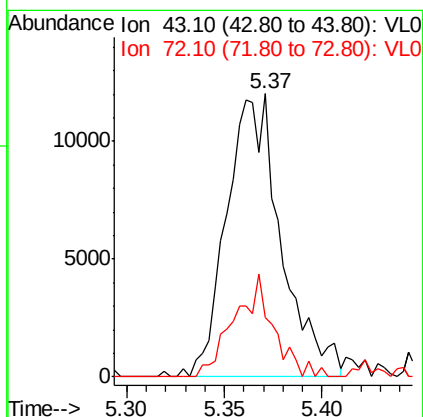
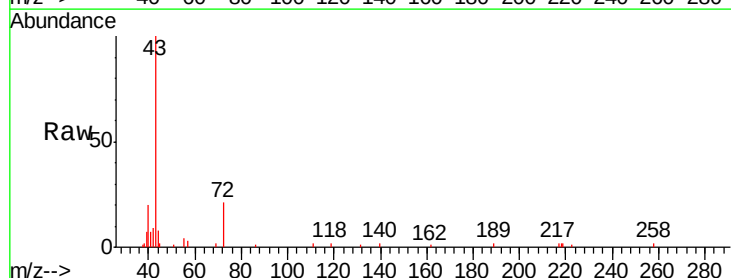
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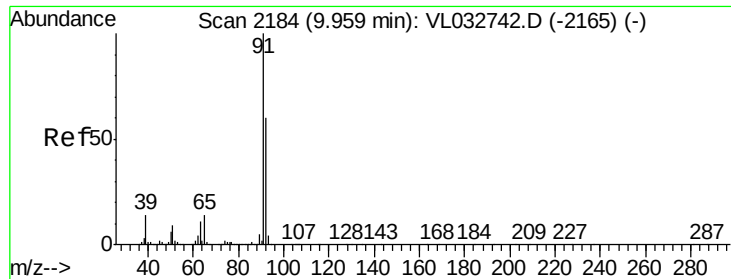
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#34
 2-Butanone
 Concen: 0.131 ppbv m
 RT: 5.37 min Scan# 757
 Delta R.T. 0.03 min
 Lab File: VL032843.D
 Acq: 29 Nov 2018 20:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6#





#53

Toluene

Concen: 0.115 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032843.D

Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_L

ClientSampled :

IAS-3DL

Tgt Ion: 91 Resp: 32529

Ion Ratio Lower Upper

91 100

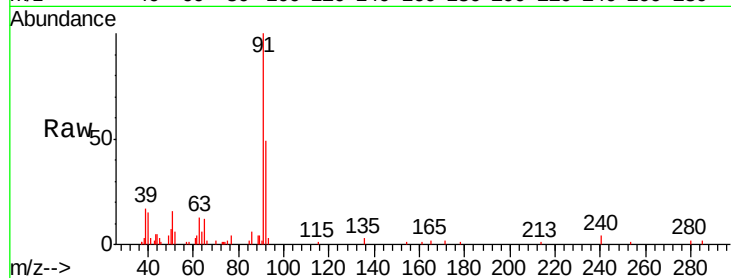
92 58.6 47.9 71.9

Manual Integrations

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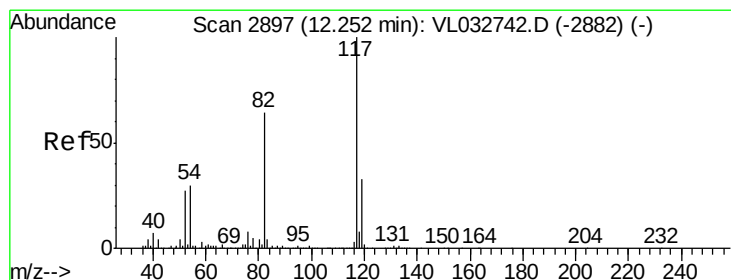
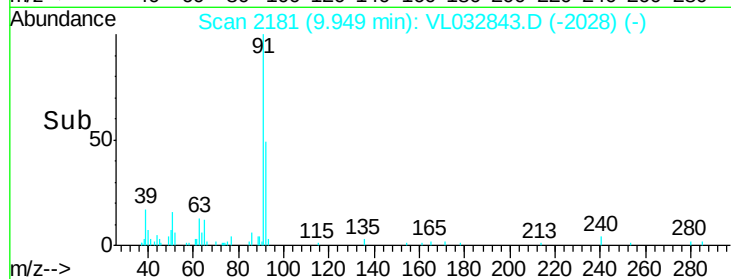
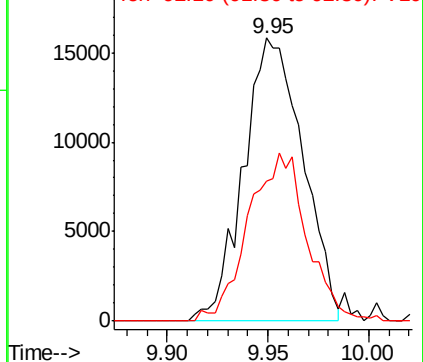
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032843.D

Acq: 29 Nov 2018 20:39

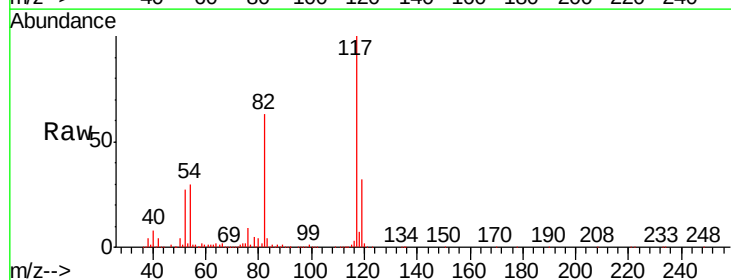
Tgt Ion: 117 Resp: 3253831

Ion Ratio Lower Upper

117 100

82 63.8 51.0 76.6

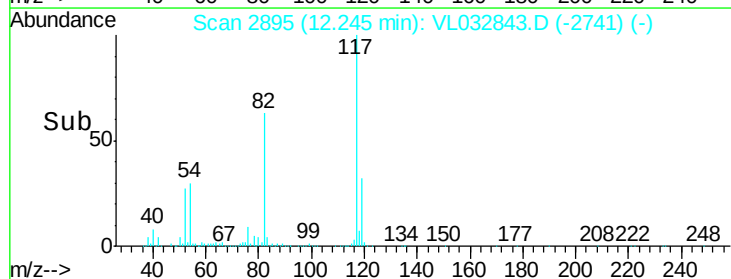
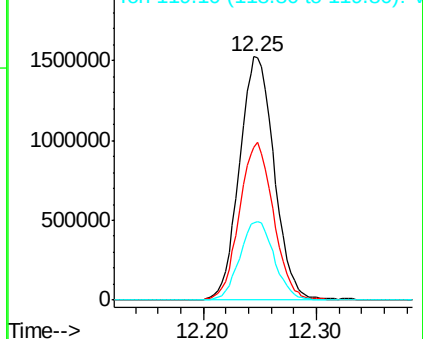
119 32.5 28.0 42.0

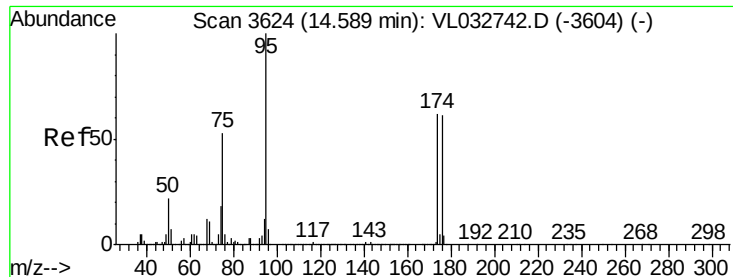


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.192 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032843.D
 Acq: 29 Nov 2018 20:39

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3DL

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.7	50.7	76.1
175	4.8	3.8	5.6

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