

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110718\
 Data File : VL032724.D
 Acq On : 7 Nov 2018 19:39
 Operator : SY/AP
 Sample : J5823-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-03DL

Manual Integrations
 APPROVED

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 11/12/2018 12:30:11 PM

Quant Time: Nov 12 01:28:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1466263	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3636040	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3587502	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2760735	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	22583m	0.479	ppbv	
13) Ethanol	3.68	45	10077	0.747	ppbv	85
15) Acetone	3.93	43	113212m	0.836	ppbv	
26) Hexane	5.79	57	29595m	0.201	ppbv	
53) Toluene	9.96	91	303861	0.898	ppbv	98
59) m/p-Xylene	13.13	91	81342m	0.219	ppbv	

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

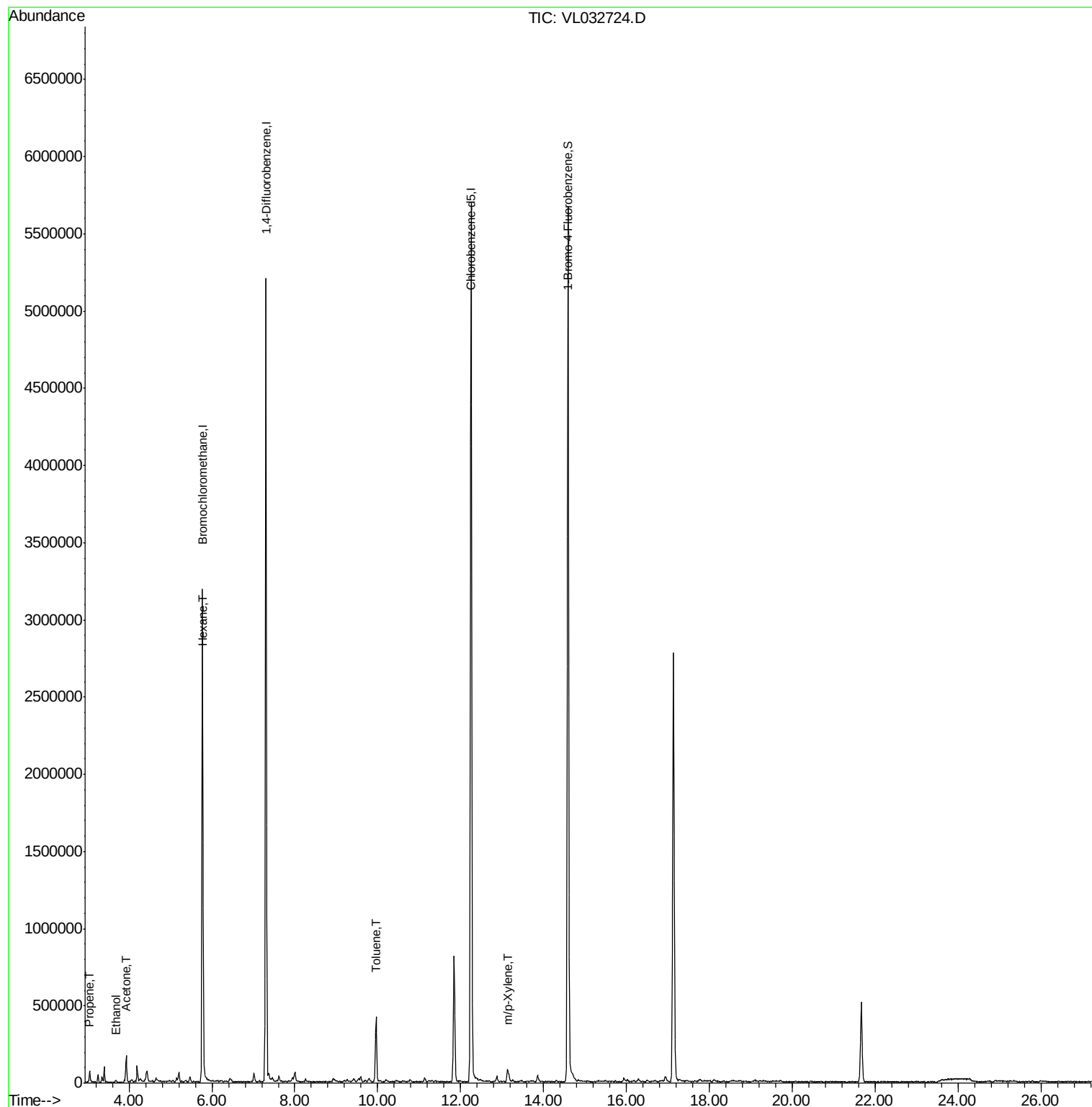
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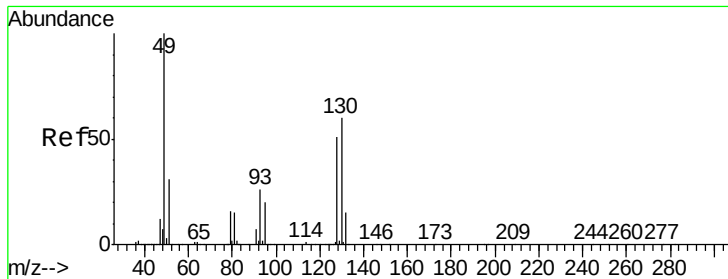
Instrument :
MSVOA_L
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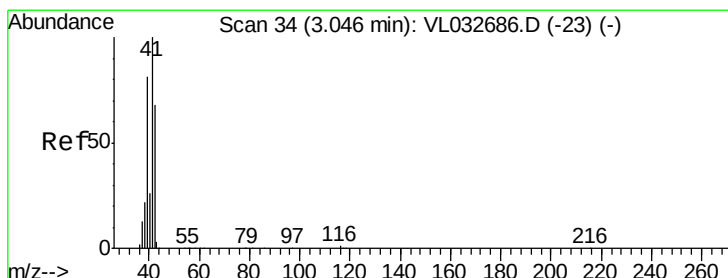
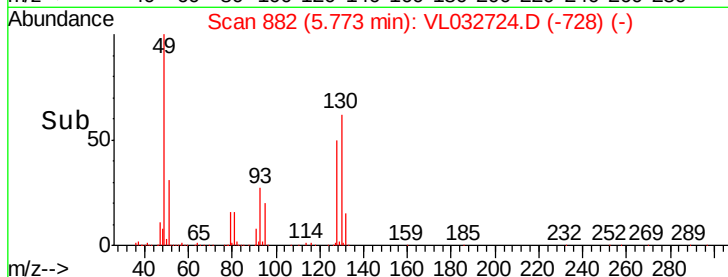
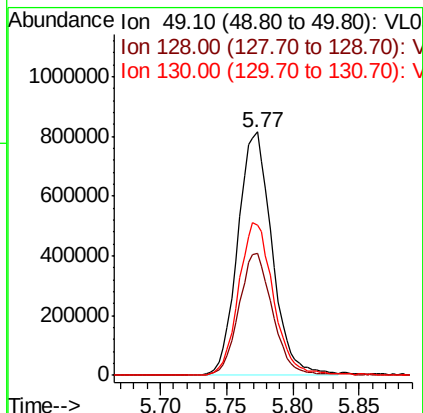
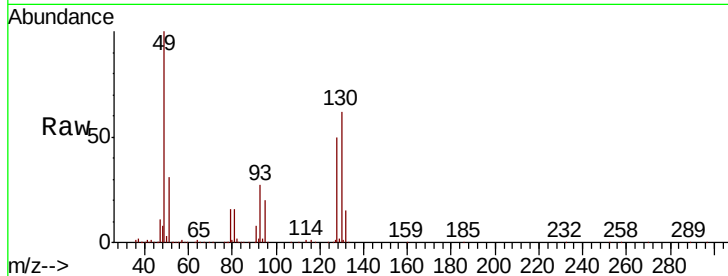
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: VL032724.D
 Acq: 7 Nov 2018 19:39

Instrument :
 MSVOA_L
 ClientSampled :
 IA-03DL

Tot Ion: 49 Resp: 1466263
 Ion Ratio Lower Upper
 49 100
 128 50.0 22.3 66.8
 130 64.3 28.4 85.3

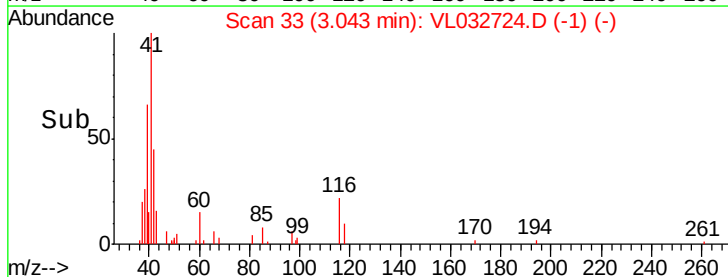
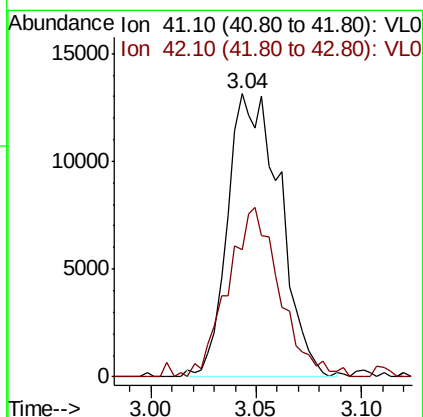
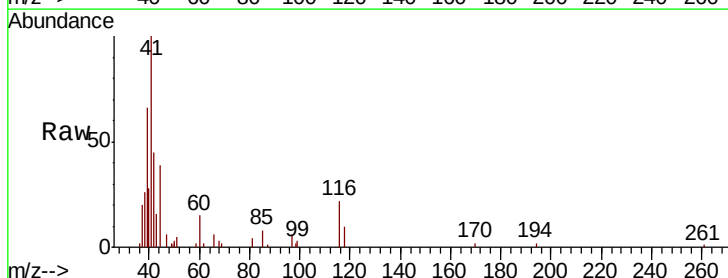
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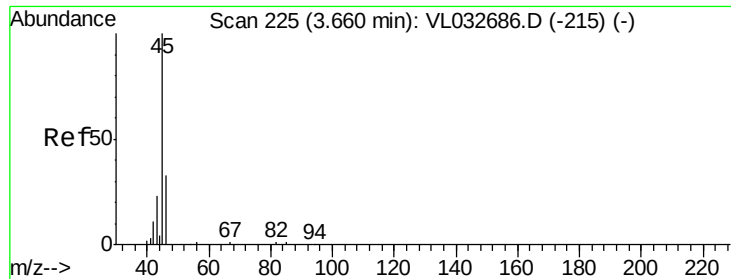
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#9
 Propene
 Concen: 0.479 ppbv m
 RT: 3.04 min Scan# 33
 Delta R.T. 0.00 min
 Lab File: VL032724.D
 Acq: 7 Nov 2018 19:39

Tgt Ion: 41 Resp: 22583
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.4 83.0#





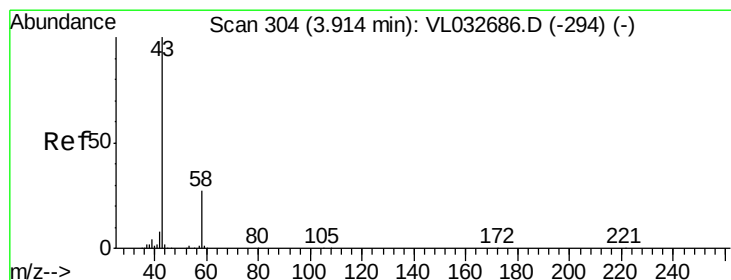
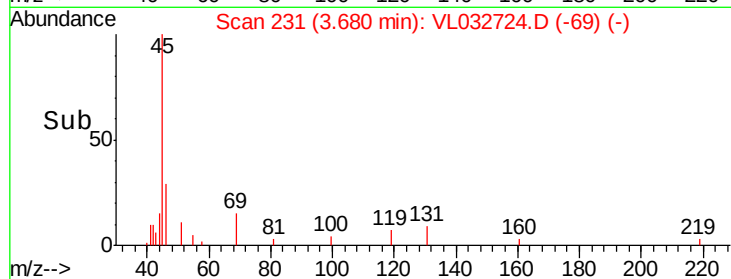
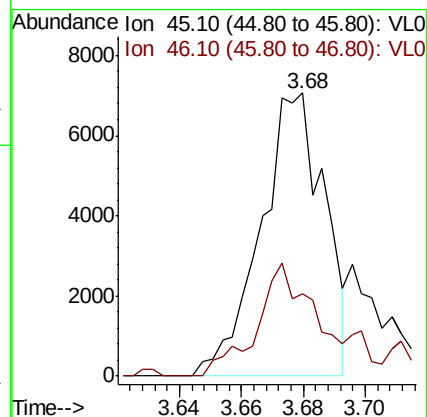
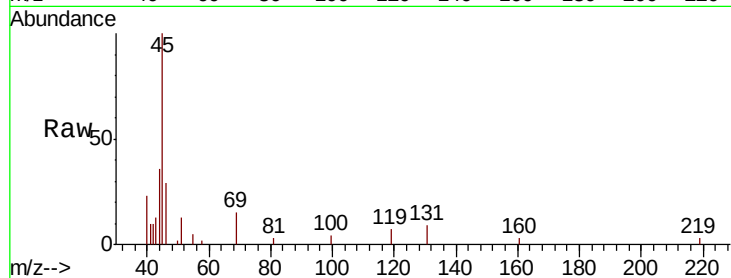
#13
Ethanol
Concen: 0.747 ppbv
RT: 3.68 min Scan# 231
Delta R.T. 0.02 min
Lab File: VL032724.D
Acq: 7 Nov 2018 19:39

Instrument :
MSVOA_L
ClientSampled :
IA-03DL

Tot Ion	45	Resp	10077
Ion Ratio	100	Lower	Upper
45	100		
46	47.5	15.4	61.8

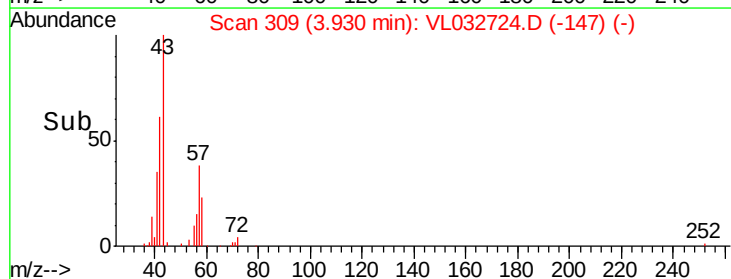
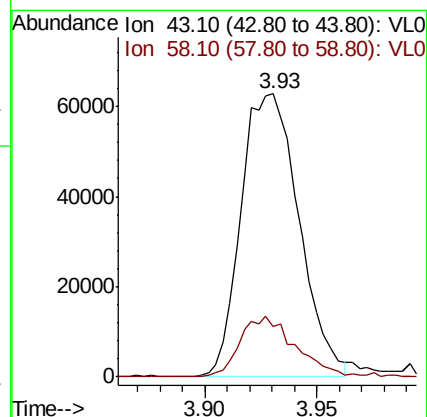
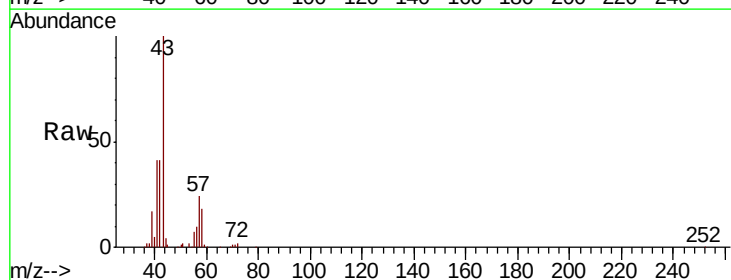
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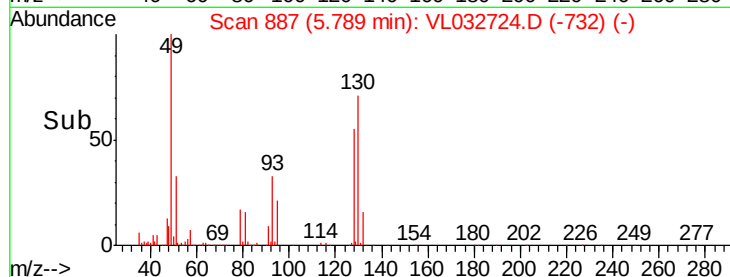
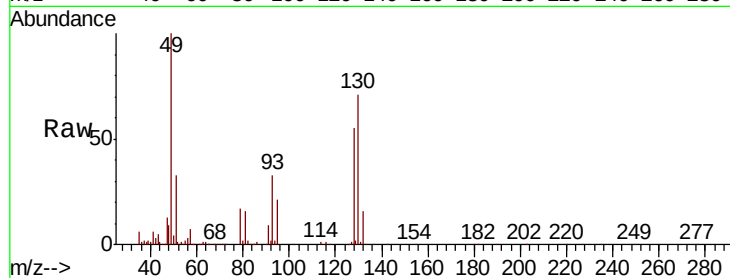
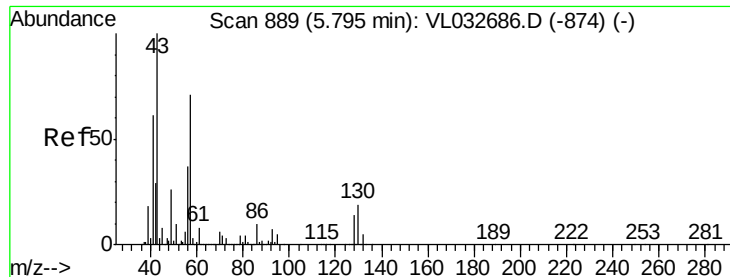
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#15
Acetone
Concen: 0.836 ppbv m
RT: 3.93 min Scan# 309
Delta R.T. 0.02 min
Lab File: VL032724.D
Acq: 7 Nov 2018 19:39

Tgt Ion	43	Resp	113212
Ion Ratio	100	Lower	Upper
43	100		
58	0.0	22.1	33.1#





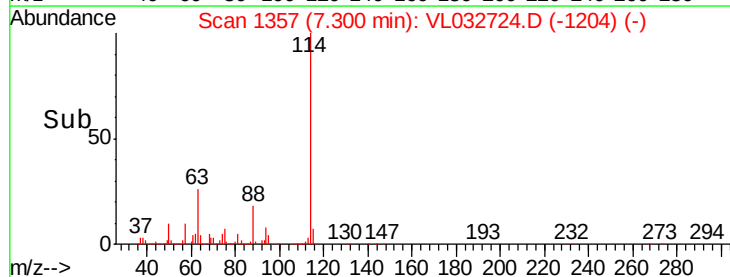
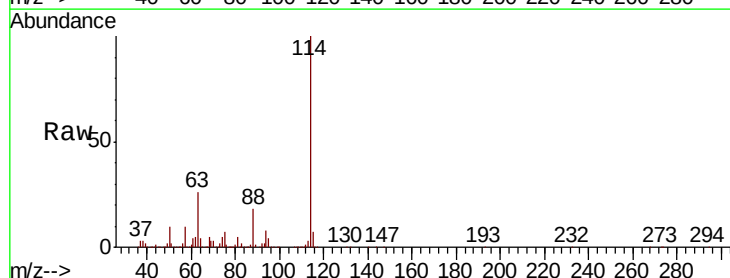
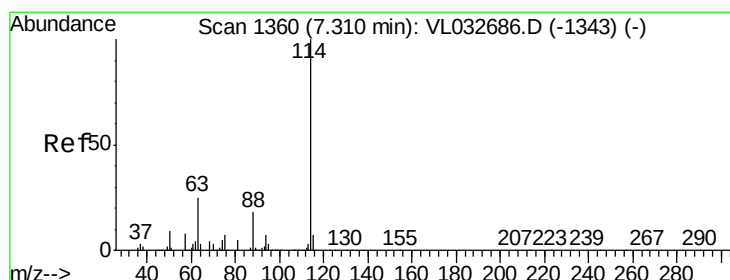
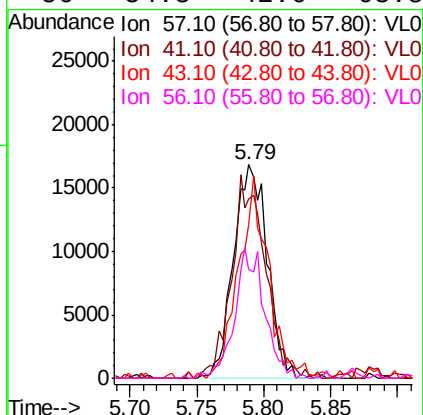
#26
Hexane
Concen: 0.201 ppbv m
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032724.D
Acq: 7 Nov 2018 19:39

Tot Ion	Ratio	Lower	Upper
57	100		
41	94.1	67.4	101.0
43	84.4	171.9	257.9#
56	54.3	42.6	63.8

Instrument :
MSVOA_L
ClientSampled :
IA-03DL

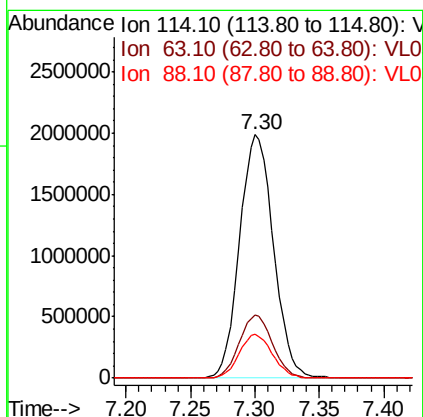
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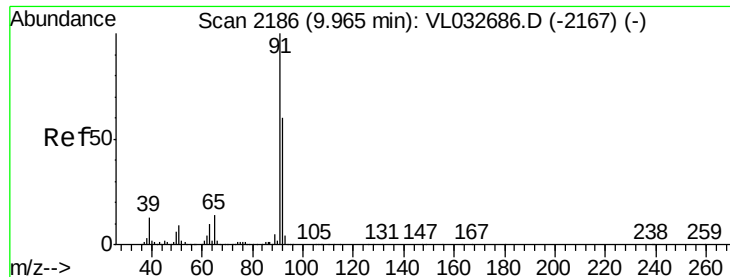
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL032724.D
Acq: 7 Nov 2018 19:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.7	32.5
88	17.7	14.9	22.3





#53

Toluene

Concen: 0.898 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032724.D

Acq: 7 Nov 2018 19:39

Instrument :

MSVOA_L

ClientSampleId :

IA-03DL

Tot Ion: 91 Resp: 303861

Ion Ratio Lower Upper

91 100

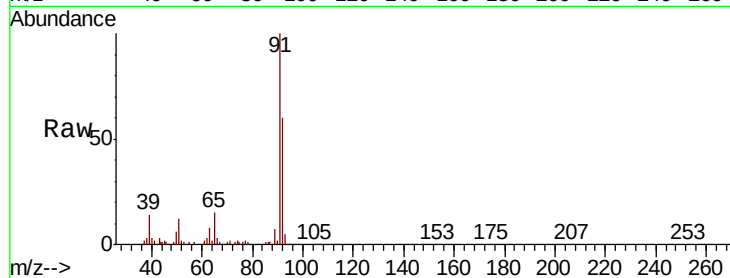
92 59.3 48.4 72.6

Manual Integrations

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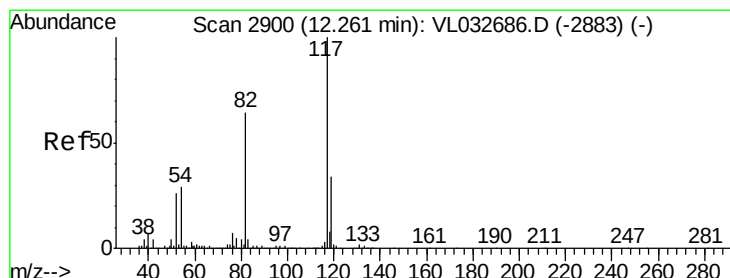
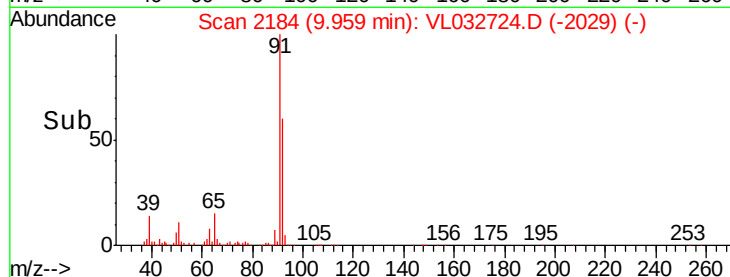
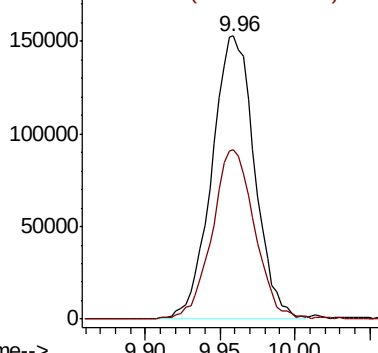
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032724.D

Acq: 7 Nov 2018 19:39

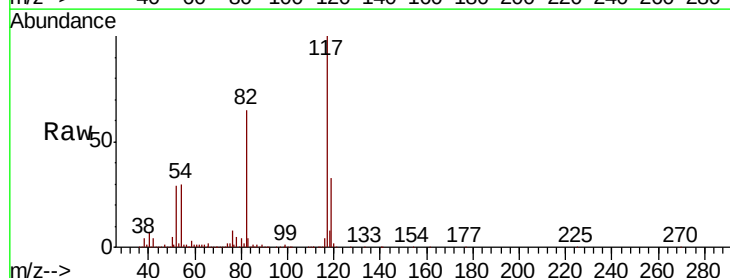
Tgt Ion: 117 Resp: 3587502

Ion Ratio Lower Upper

117 100

82 65.2 52.7 79.1

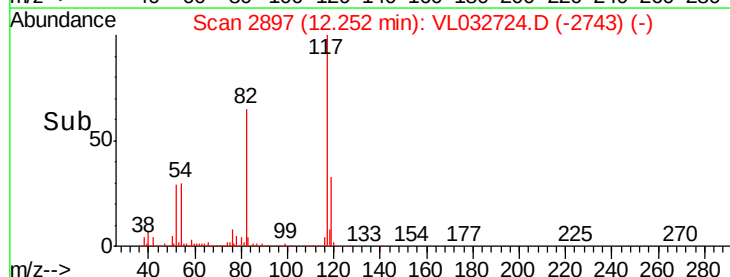
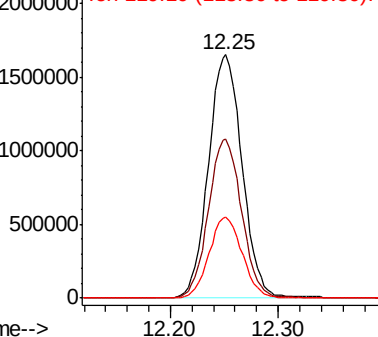
119 33.1 26.7 40.1

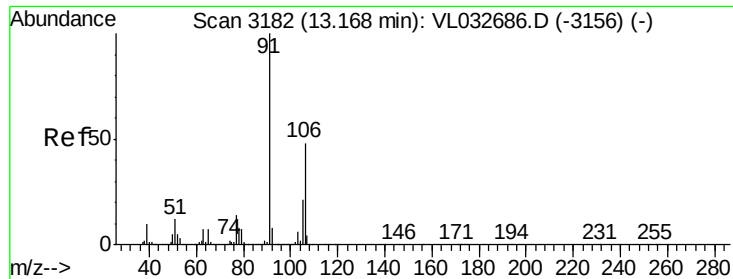


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





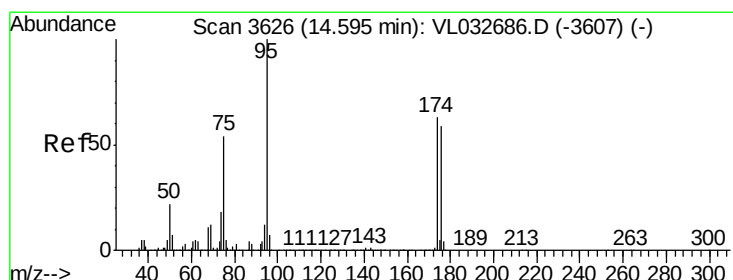
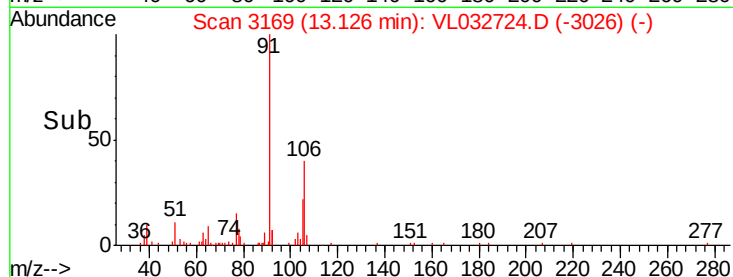
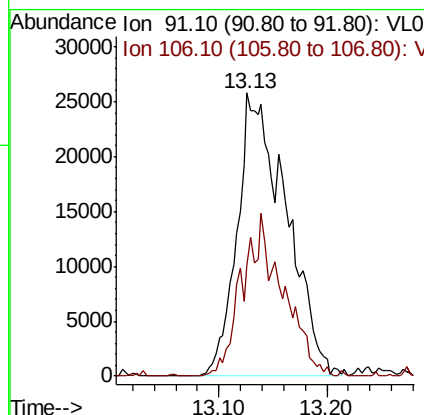
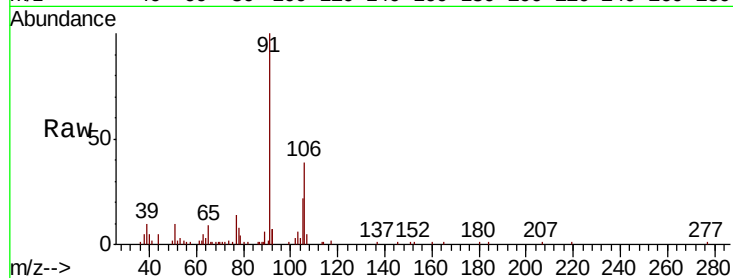
#59
m/p-Xylene
Concen: 0.219 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.04 min
Lab File: VL032724.D
Acq: 7 Nov 2018 19:39

Instrument :
MSVOA_L
ClientSampled :
IA-03DL

Tot Ion: 91 Resp: 81342
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032724.D
Acq: 7 Nov 2018 19:39

Tgt Ion: 95 Resp: 2760735
Ion Ratio Lower Upper
95 100
174 64.8 46.0 69.0
175 4.7 3.4 5.0

