

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110718\
 Data File : VL032732.D
 Acq On : 8 Nov 2018 00:57
 Operator : SY/AP
 Sample : J5823-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-1DL

Manual Integrations
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 11/12/2018 12:30:21 PM

Quant Time: Nov 12 03:26:58 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 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	1464951	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3718654	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.25	117	3659977	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2770819	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	13416m	0.285	ppbv	
13) Ethanol	3.66	45	2037350	151.191	ppbv	98
15) Acetone	3.91	43	228394	1.688	ppbv	94
17) tert-Butyl alcohol	4.38	59	78179	1.965	ppbv #	100
19) Isopropyl Alcohol	4.04	45	277639	2.882	ppbv	99
26) Hexane	5.79	57	25768	0.175	ppbv #	57
36) Benzene	7.01	78	77268	0.256	ppbv #	94
44) 2,2,4-Trimethylpentane	8.00	57	104623	0.203	ppbv #	79
53) Toluene	9.96	91	508629	1.469	ppbv	100
58) Ethyl Benzene	12.88	91	49901	0.117	ppbv	90
59) m/p-Xylene	13.14	91	177782m	0.470	ppbv	
60) o-Xylene	13.86	91	63345m	0.173	ppbv	
74) 1,2,4-Trimethylbenzene	16.93	105	41574m	0.103	ppbv	

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

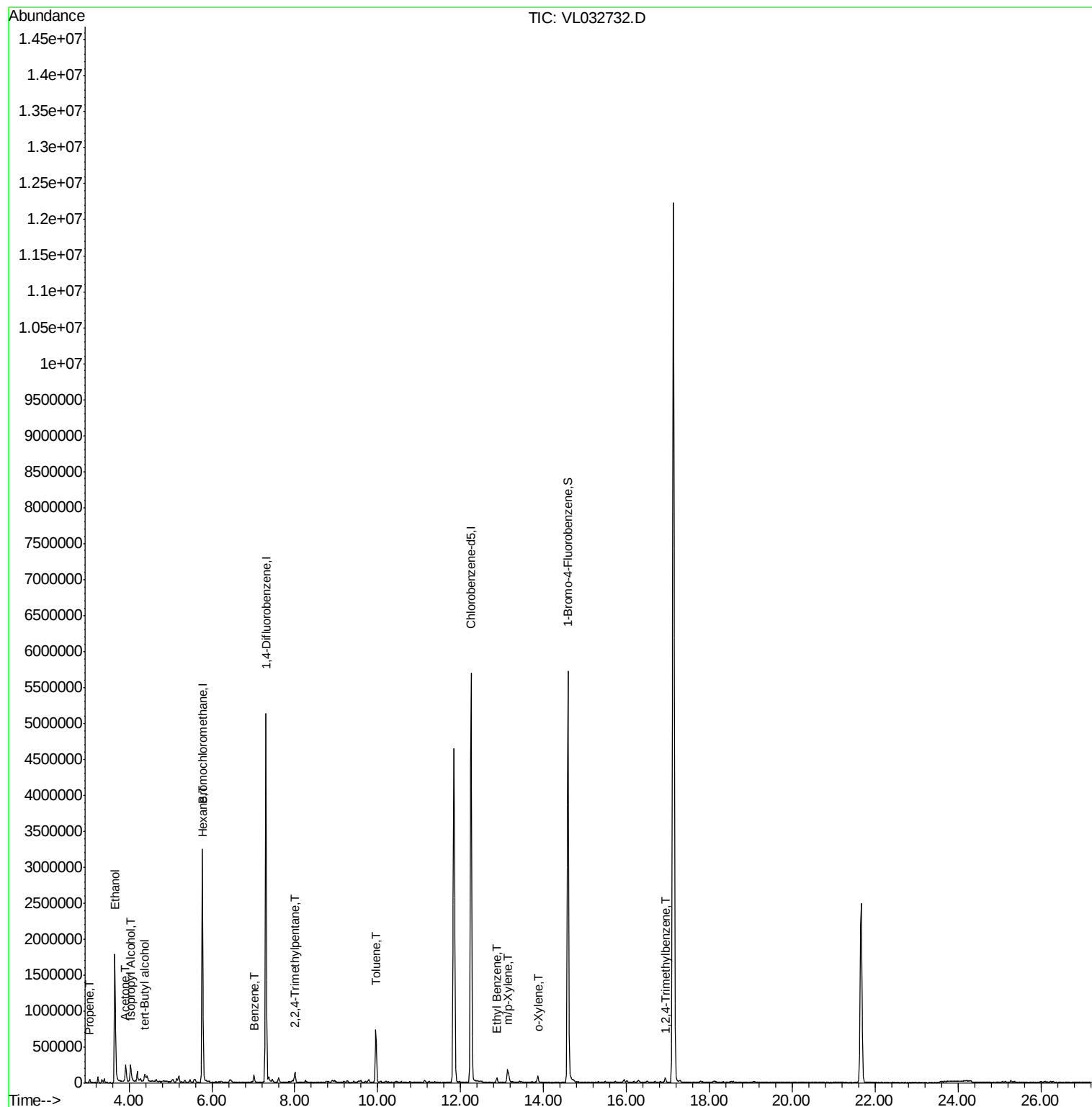
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110718\
Data File : VL032732.D
Acq On : 8 Nov 2018 00:57
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

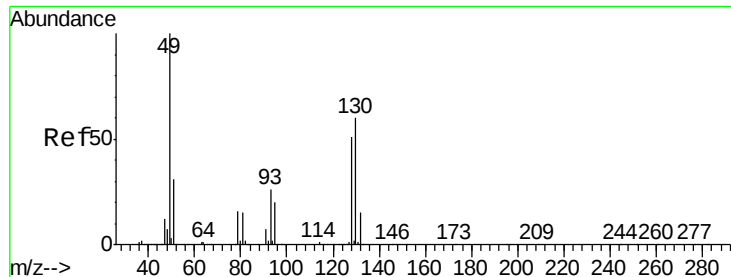
Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

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Quant Time: Nov 12 03:26:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

Lab File: VL032732.D

Acq: 8 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

DUP-1DL

Tot Ion: 49 Resp: 1464951

Ion Ratio Lower Upper

49 100

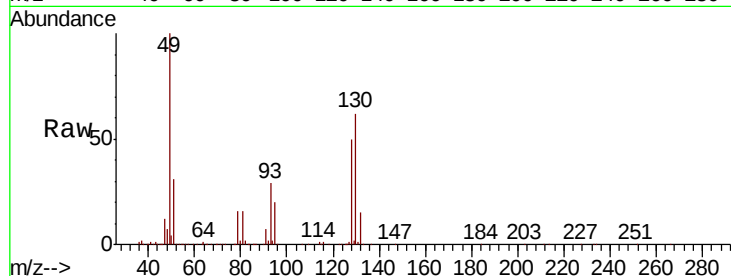
128 51.5 22.3 66.8

130 64.6 28.4 85.3

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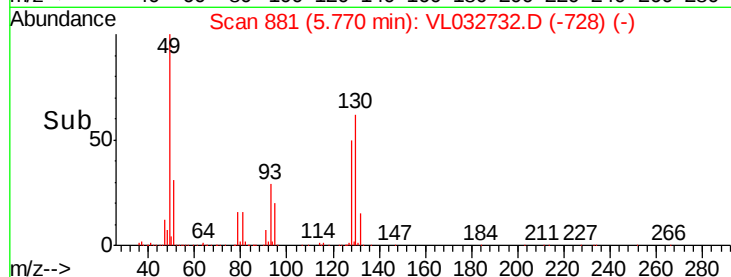


Abundance Ion 49.10 (48.80 to 49.80): VL0

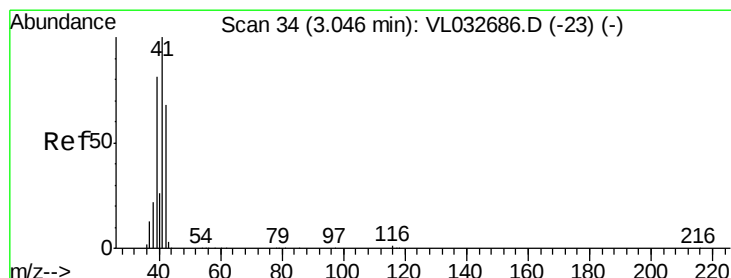
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#9

Propene

Concen: 0.285 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032732.D

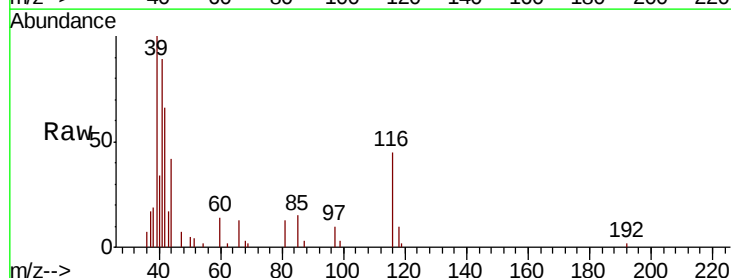
Acq: 8 Nov 2018 00:57

Tgt Ion: 41 Resp: 13416

Ion Ratio Lower Upper

41 100

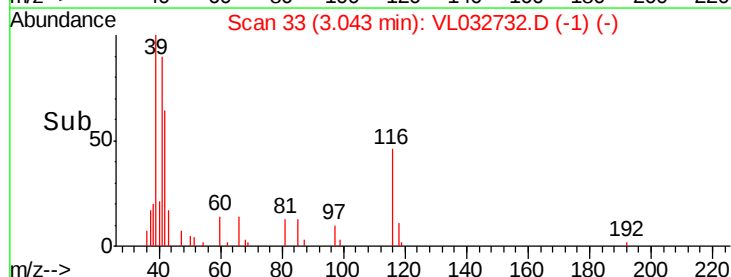
42 0.0 55.4 83.0#



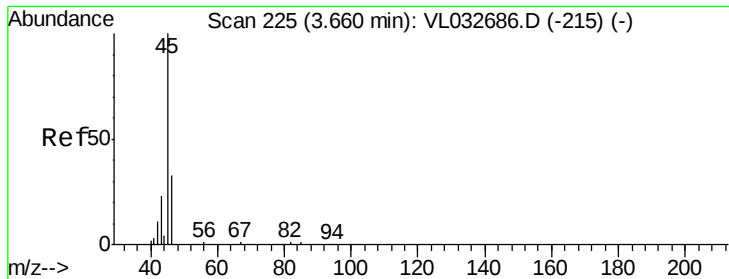
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Time-->



Time-->



#13

Ethanol

Concen: 151.191 ppbv

RT: 3.66 min Scan# 224

Delta R.T. -0.00 min

Lab File: VL032732.D

Acq: 8 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

DUP-1DL

Tot Ion: 45 Resp: 2037350

Ion Ratio Lower Upper

45 100

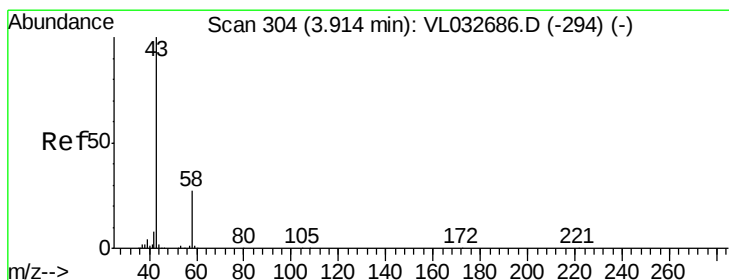
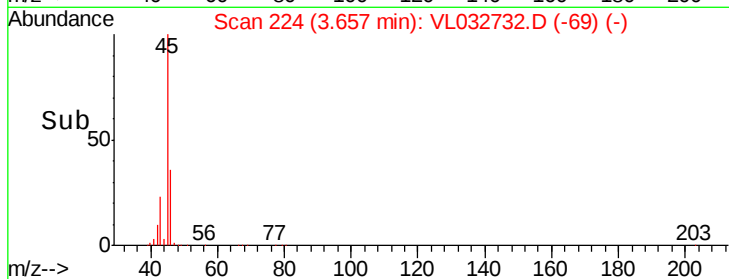
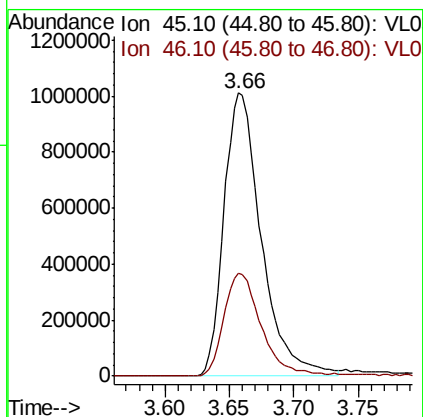
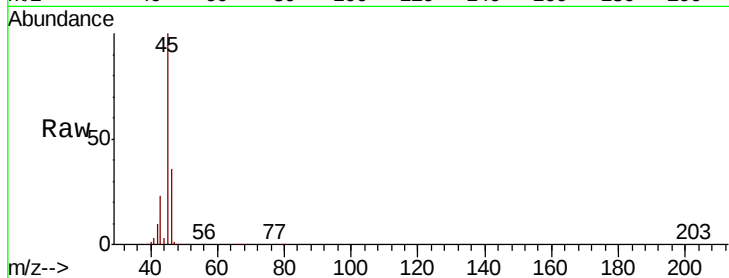
46 37.2 15.4 61.8

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#15

Acetone

Concen: 1.688 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.00 min

Lab File: VL032732.D

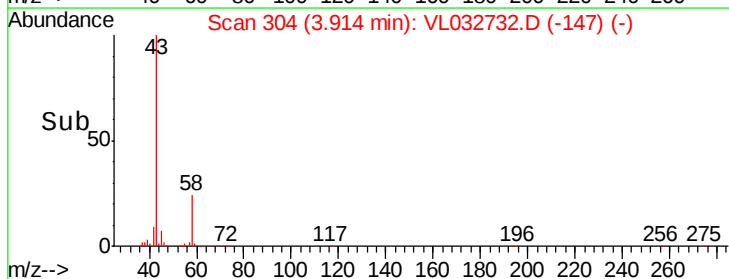
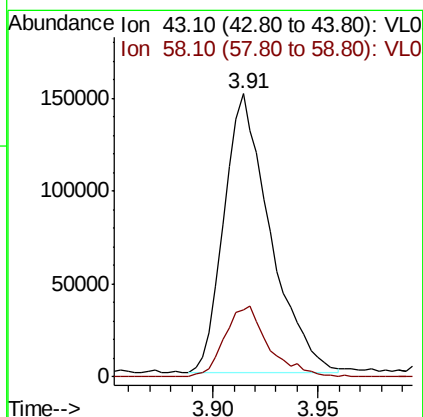
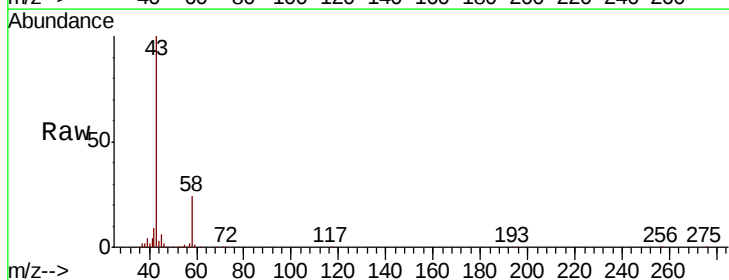
Acq: 8 Nov 2018 00:57

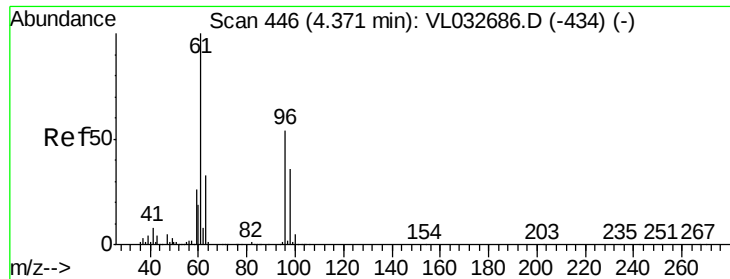
Tgt Ion: 43 Resp: 228394

Ion Ratio Lower Upper

43 100

58 24.5 22.1 33.1





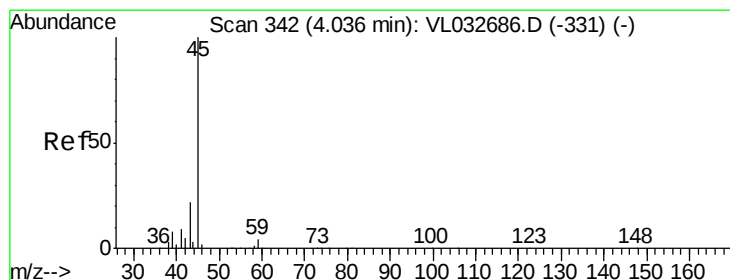
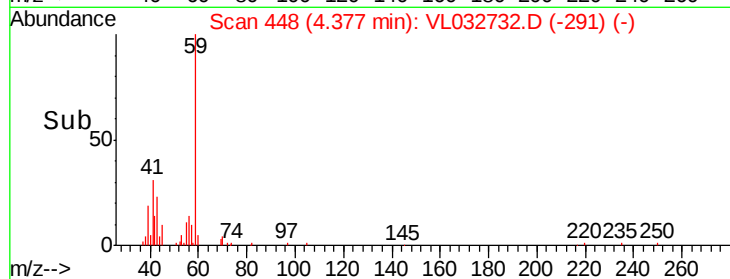
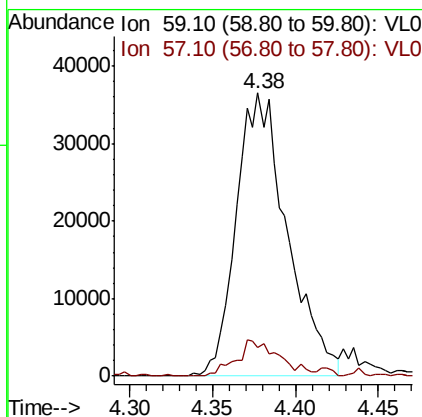
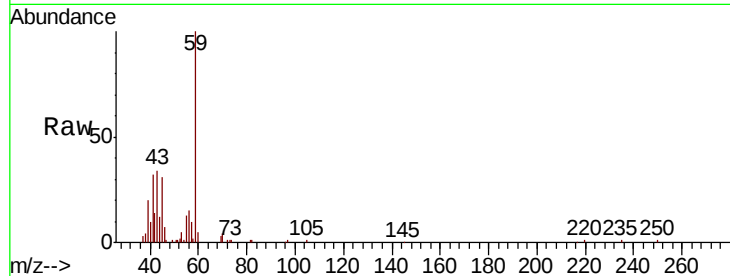
#17
tert-Butyl alcohol
Concen: 1.965 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	0.0	0.0#

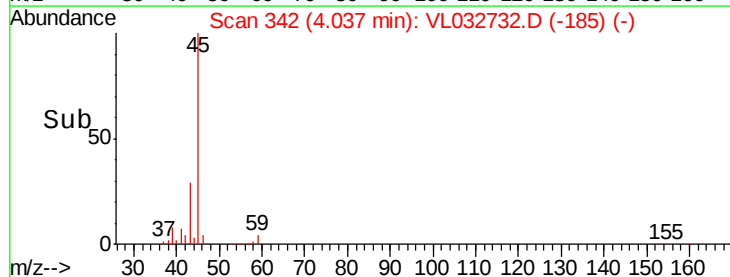
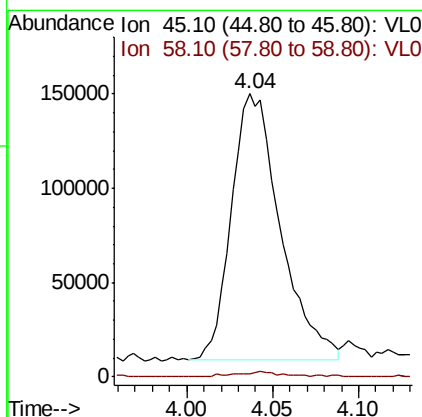
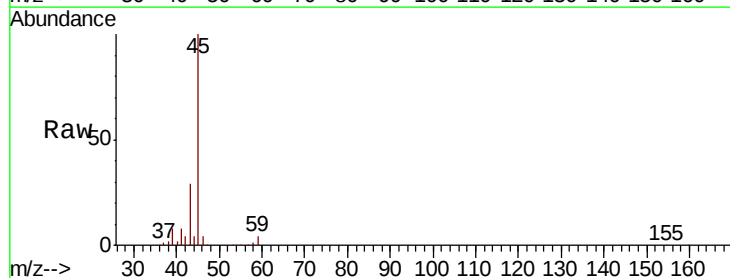
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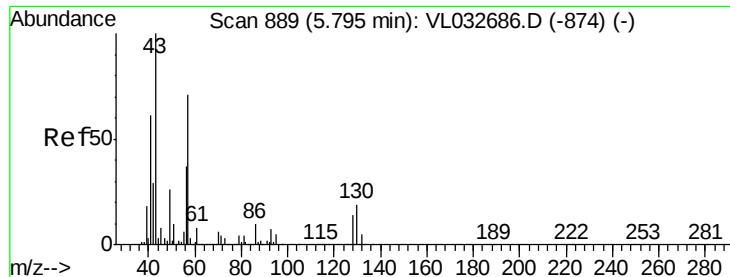
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#19
Isopropyl Alcohol
Concen: 2.882 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion	Ratio	Lower	Upper
45	100		
58	2.3	2.0	3.0





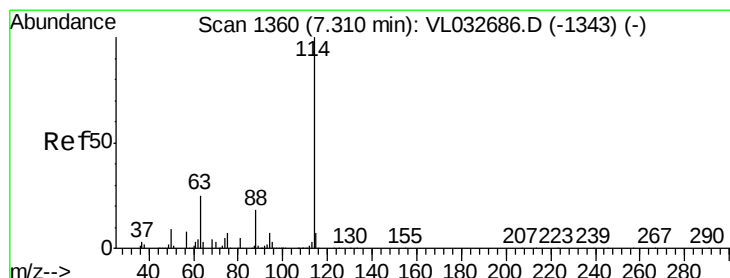
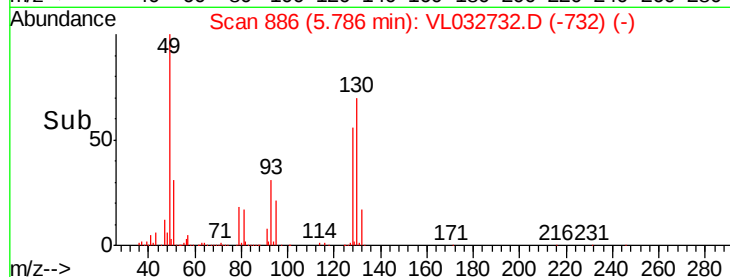
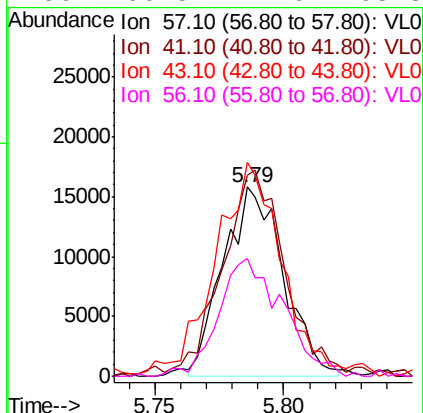
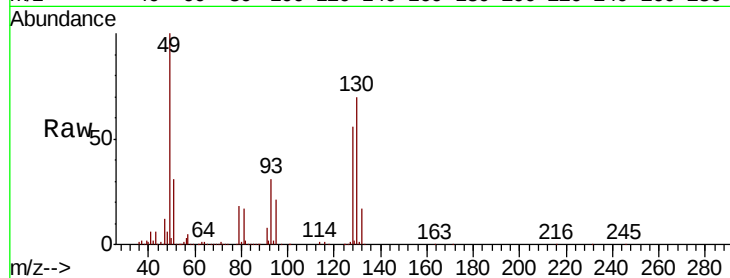
#26
Hexane
Concen: 0.175 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleID :
DUP-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	110.5	67.4	101.0#
43	127.5	171.9	257.9#
56	66.5	42.6	63.8#

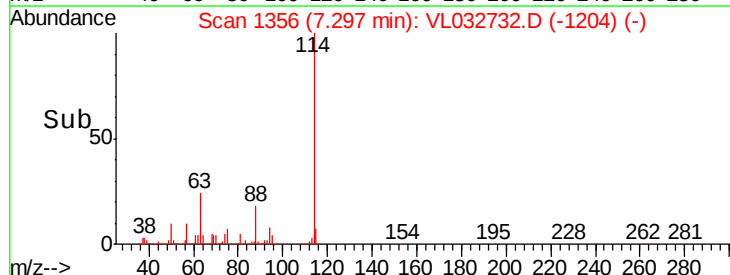
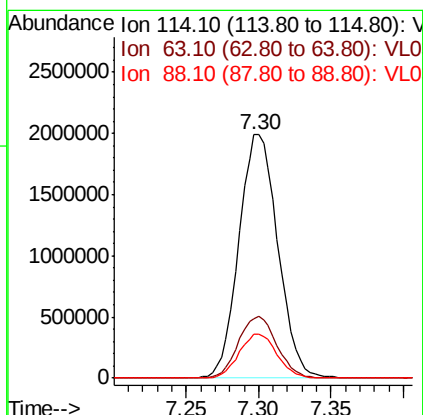
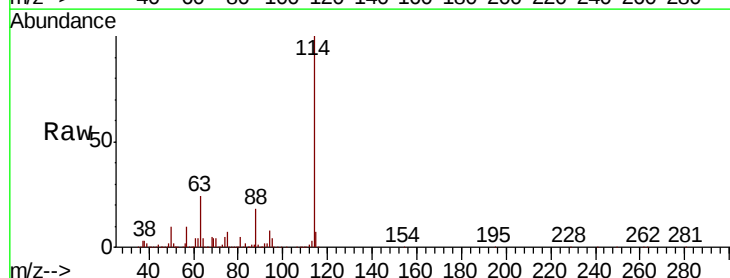
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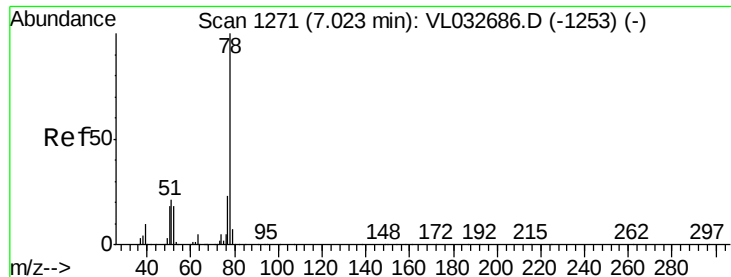
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.7	32.5
88	17.7	14.9	22.3





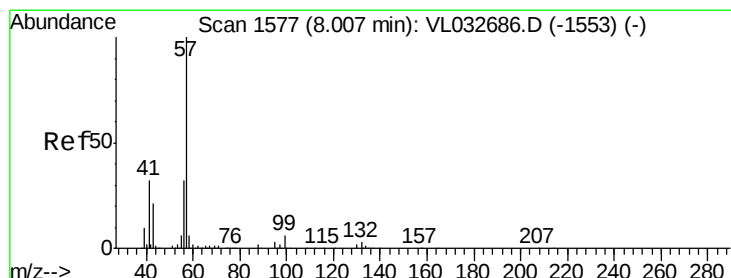
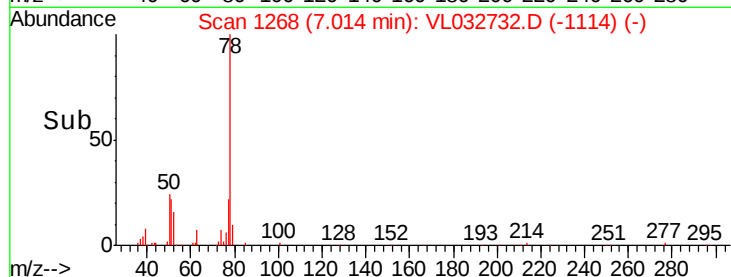
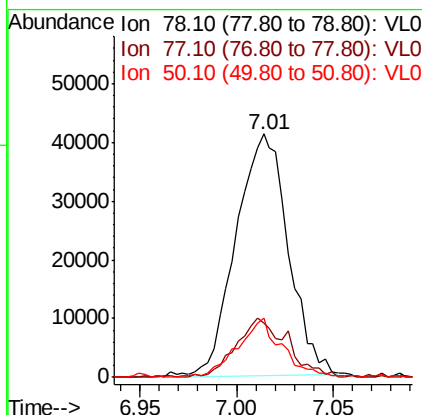
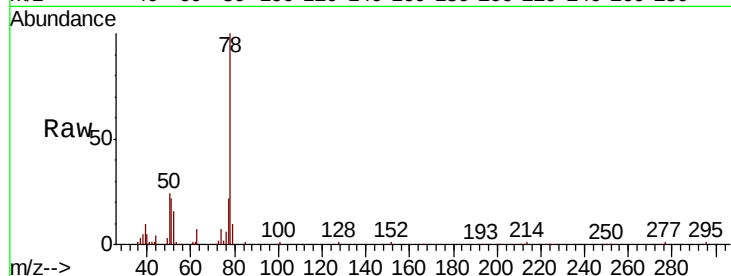
#36
Benzene
Concen: 0.256 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.1	27.1
50	24.1	15.1	22.7

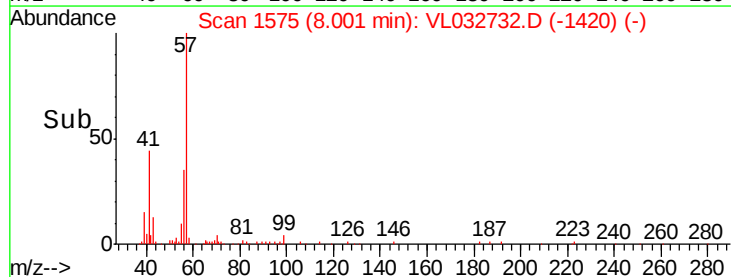
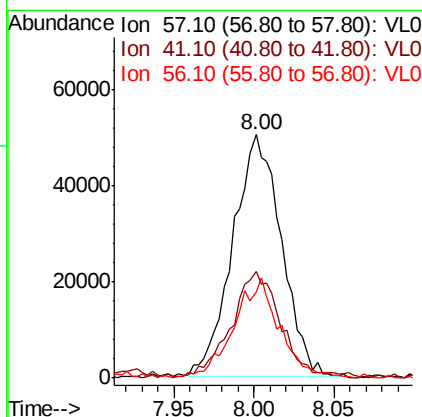
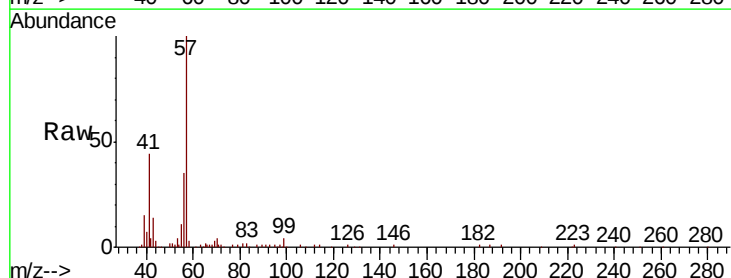
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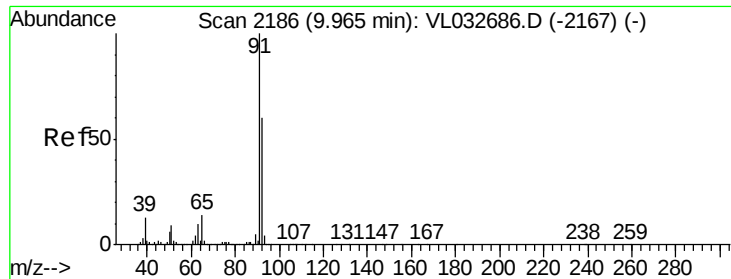
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#44
2,2,4-Trimethylpentane
Concen: 0.203 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	45.4	24.7	37.1
56	39.5	25.0	37.4





#53

Toluene

Concen: 1.469 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL032732.D

Acq: 8 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

DUP-1DL

Tot Ion: 91 Resp: 508629

Ion Ratio Lower Upper

91 100

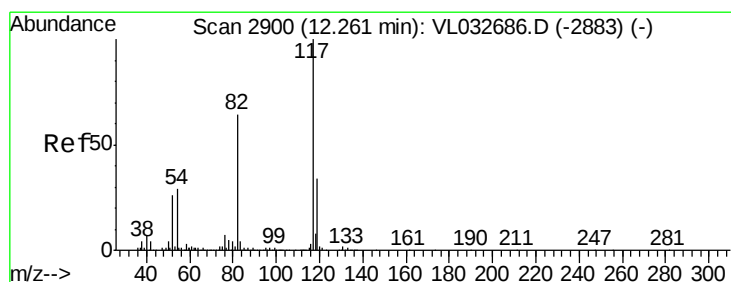
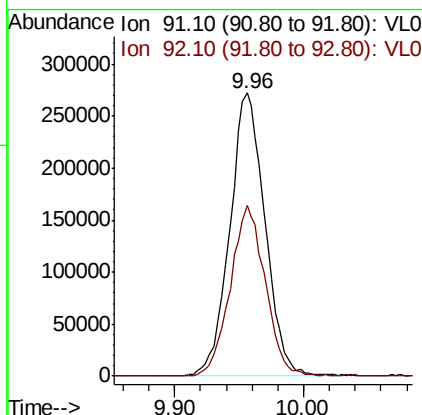
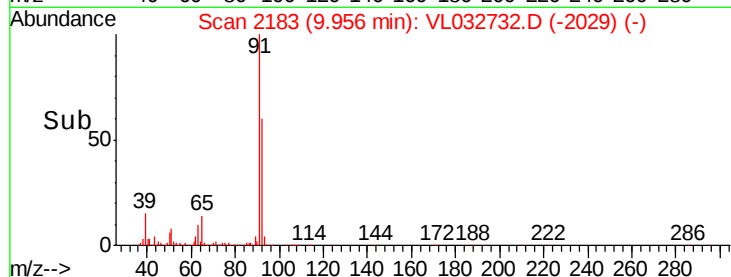
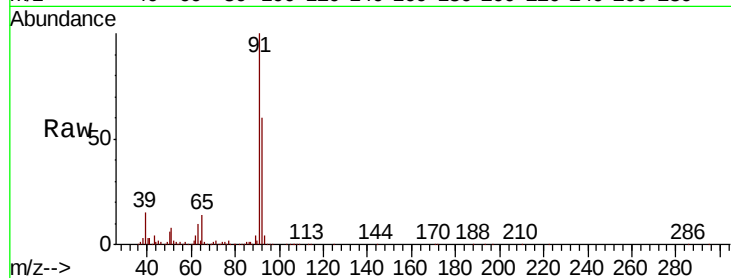
92 60.8 48.4 72.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL032732.D

Acq: 8 Nov 2018 00:57

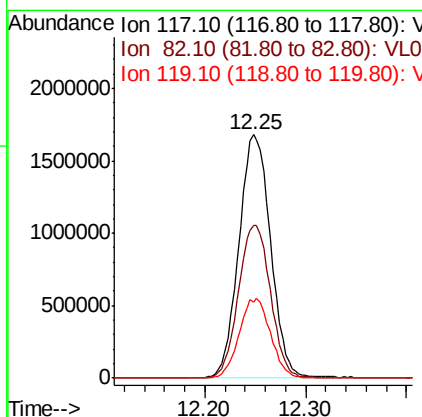
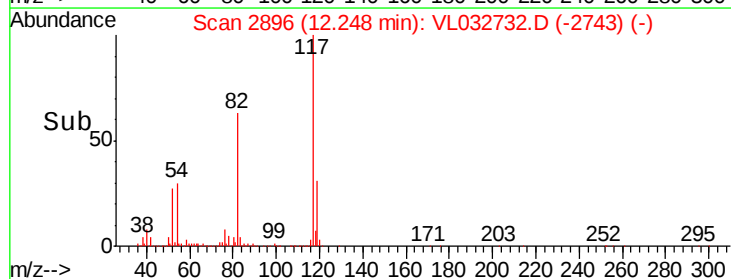
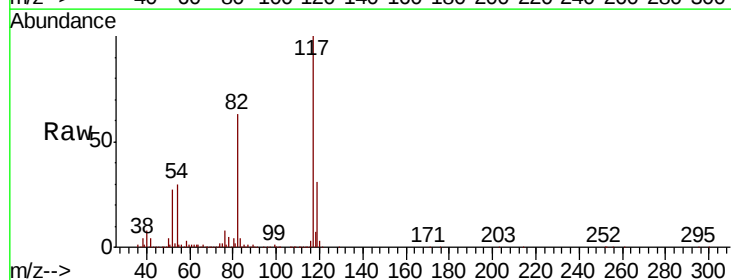
Tgt Ion: 117 Resp: 3659977

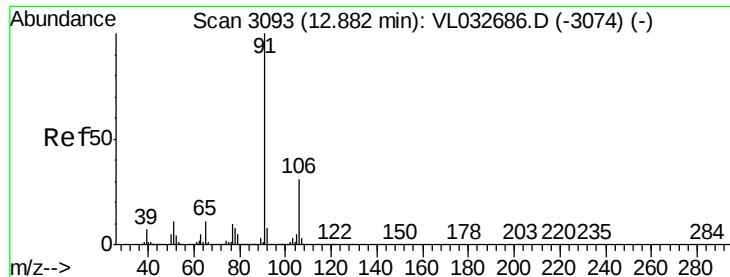
Ion Ratio Lower Upper

117 100

82 64.0 52.7 79.1

119 32.6 26.7 40.1





#58

Ethyl Benzene

Concen: 0.117 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL032732.D

Acq: 8 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleID :

DUP-1DL

Tot Ion: 91 Resp: 49901

Ion Ratio Lower Upper

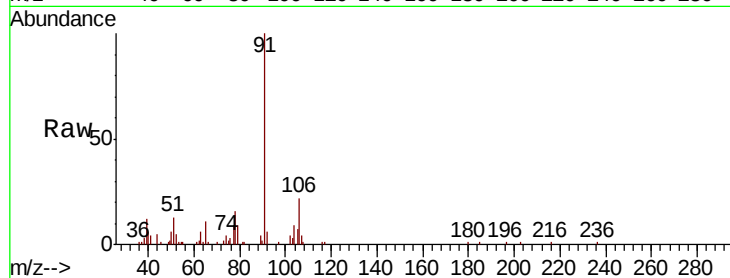
91 100

106 24.6 24.2 36.2

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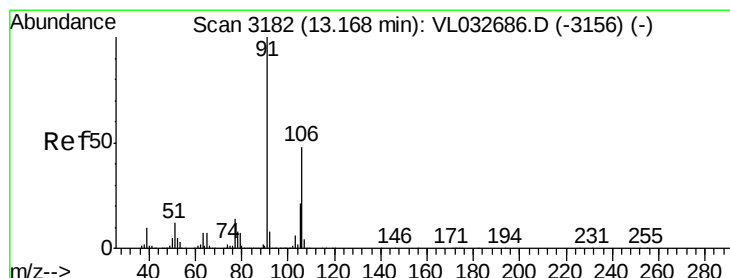
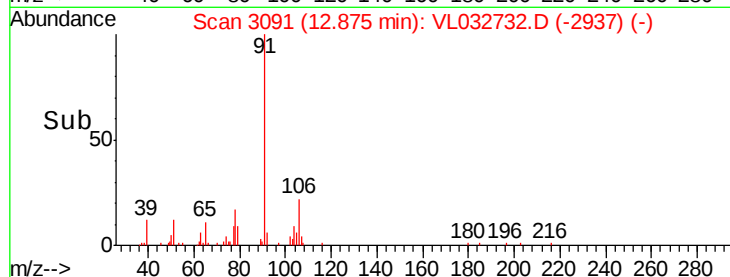
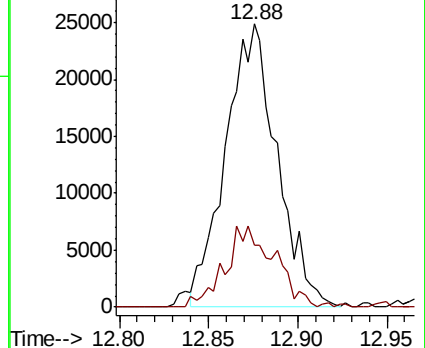
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.470 ppbv m

RT: 13.14 min Scan# 3172

Delta R.T. -0.03 min

Lab File: VL032732.D

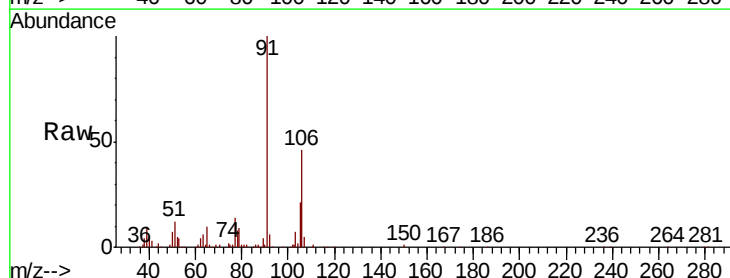
Acq: 8 Nov 2018 00:57

Tgt Ion: 91 Resp: 177782

Ion Ratio Lower Upper

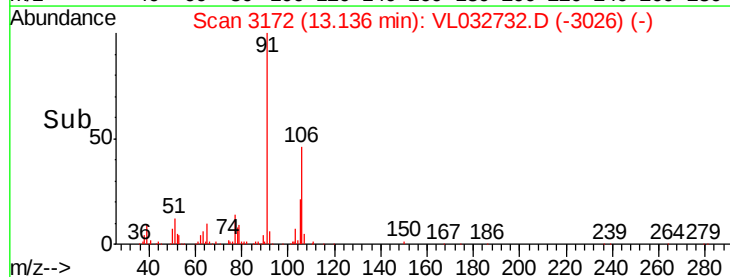
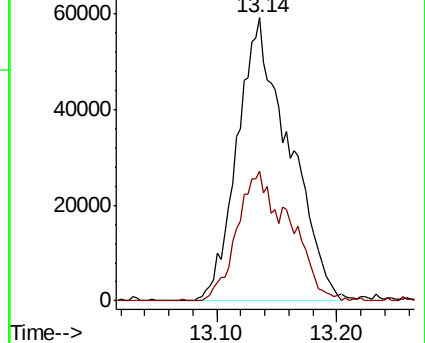
91 100

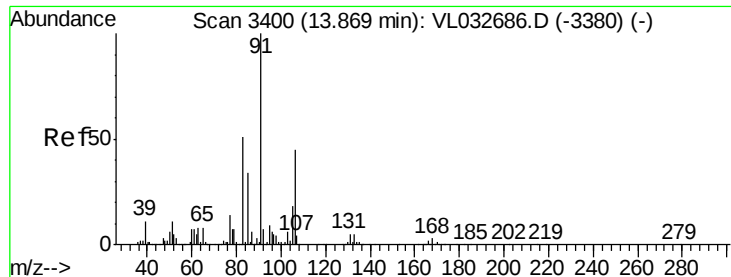
106 0.0 35.9 53.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





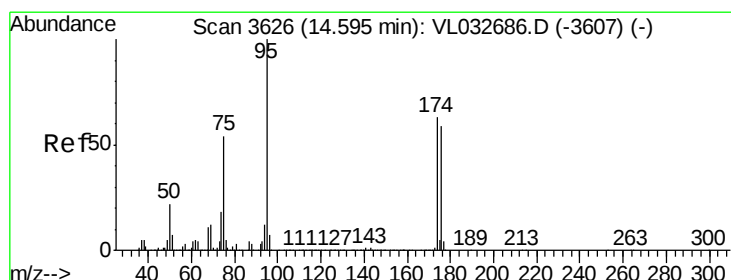
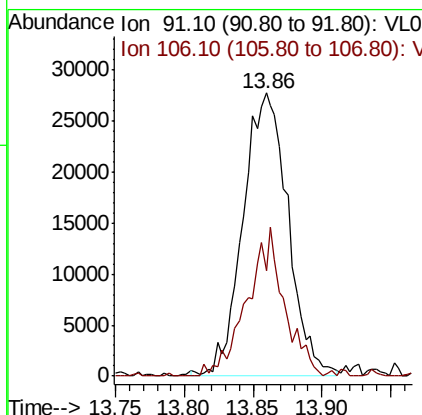
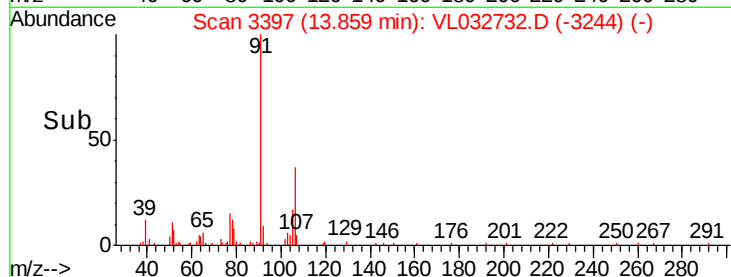
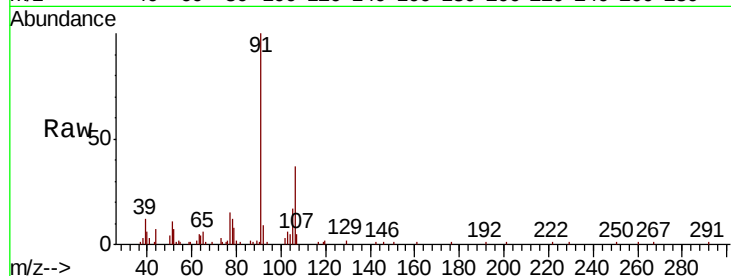
#60
o-Xylene
Concen: 0.173 ppbv m
RT: 13.86 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tot Ion: 91 Resp: 63345
Ion Ratio Lower Upper
91 100
106 43.8 22.1 66.1

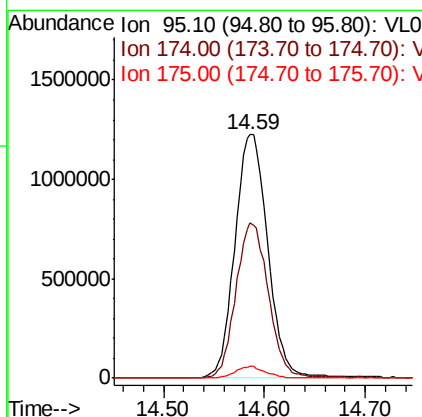
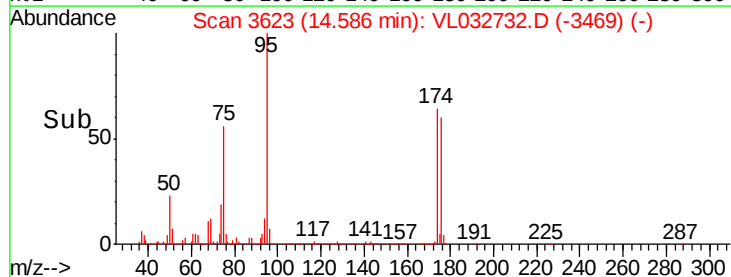
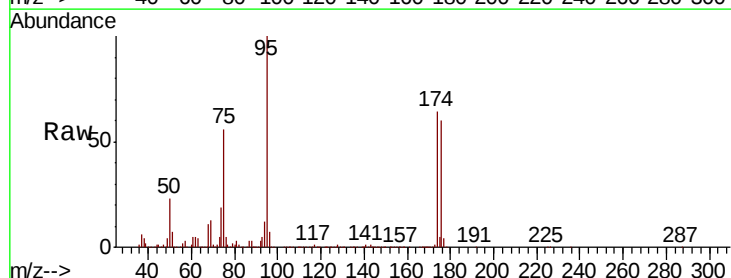
Manual Integrations
APPROVED

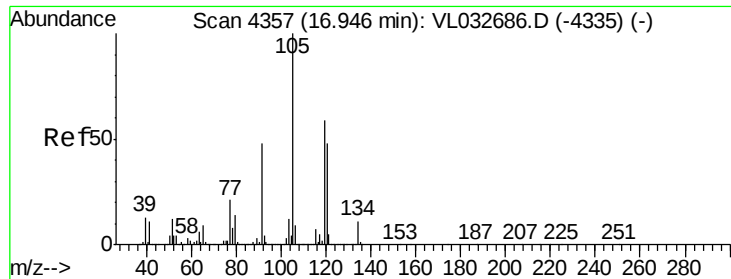
MMDadoda
11/12/2018 12:30:21 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.168 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 95 Resp: 2770819
Ion Ratio Lower Upper
95 100
174 63.8 46.0 69.0
175 4.6 3.4 5.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.103 ppbv m
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.01 min
 Lab File: VL032732.D
 Acq: 8 Nov 2018 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-1DL

Tot Ion:	105	Resp:	41574
Ion Ratio	Lower	Upper	
105	100		
120	47.4	35.8	53.8
91	10.8	33.2	49.8#
77	12.7	16.2	24.4#

Manual Integrations
 APPROVED

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 11/12/2018 12:30:21 PM

