

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026190.D
 Acq On : 10 Oct 2015 00:14
 Operator : SY/MD
 Sample : G3973-03 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3

Manual Integrations
 APPROVED

MMdadoda
 10/13/2015 1:17:53 PM

Quant Time: Oct 12 10:44:59 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 0
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.71	49	274295m	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	8.49	114	606924m	10.00	ppbv	0.16
55) Chlorobenzene-d5	14.01	117	1005482	10.00	ppbv	0.25

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.47	95	3197850m	41.43	ppbv	0.16
Spiked Amount	10.000	Range	65 - 135	Recovery	=	414.30%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.59	41	146026m	9.93	ppbv	
10) Heptane	9.84	43	89917418m	1758.60	ppbv	
13) Ethanol	4.31	45	96453	44.58	ppbv	92
26) Hexane	6.54	57	57331664m	1726.68	ppbv	
30) Cyclohexane	8.56	84	63677518	2012.85	ppbv #	62
36) Benzene	8.24	78	15384260	265.03	ppbv #	77
53) Toluene	11.55	91	4586468	61.32	ppbv	94
58) Ethyl Benzene	14.67	91	7288724	49.91	ppbv	98
59) m/p-Xylene	14.96	91	5382296	45.92	ppbv	98
61) Styrene	15.54	104	372163	7.41	ppbv	93
62) Isopropylbenzene	16.71	105	1043088	6.44	ppbv	96
64) n-propylbenzene	17.66	120	88243	2.02	ppbv	95

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

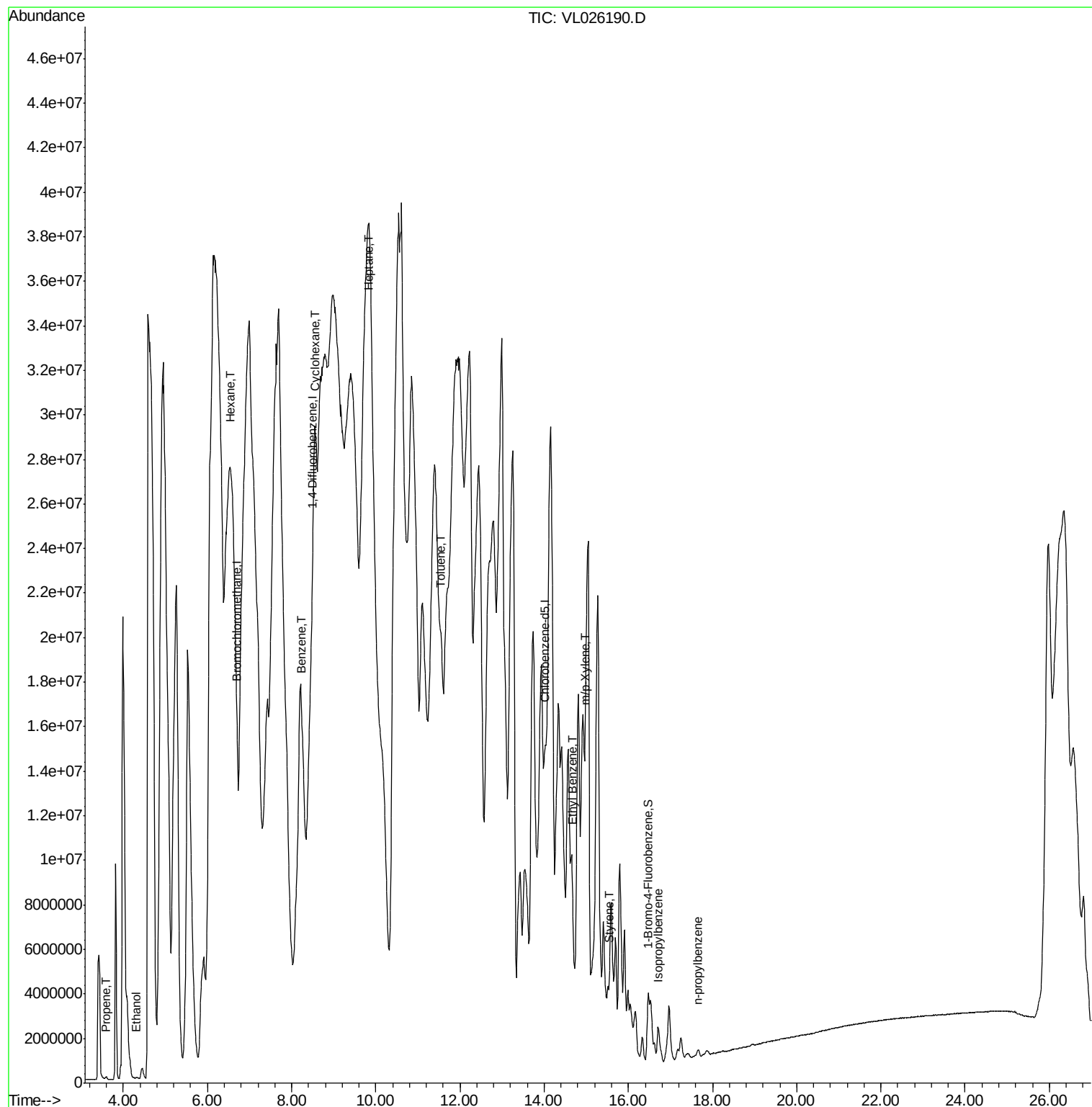
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026190.D
Acq On : 10 Oct 2015 00:14
Operator : SY/MD
Sample : G3973-03 10X
Misc : 400mL/MSVOA L
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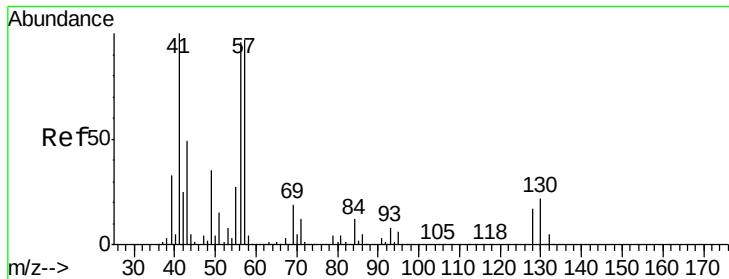
Instrument :
MSVOA_L
ClientSampleId :
SS-3

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Quant Time: Oct 12 10:44:59 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration





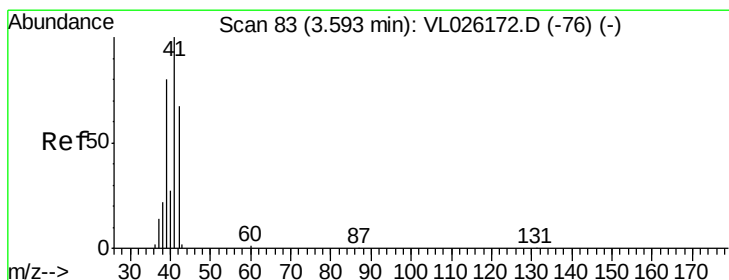
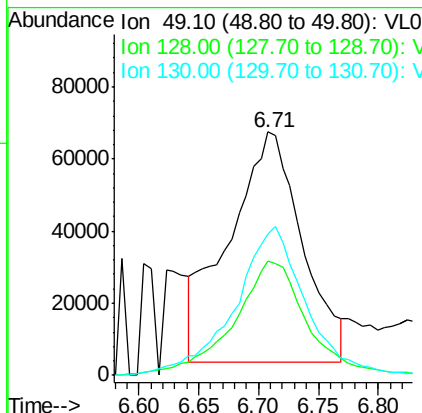
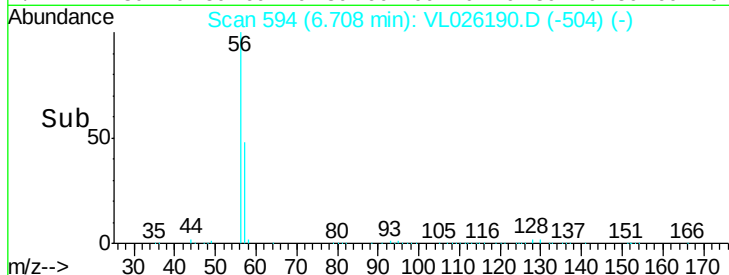
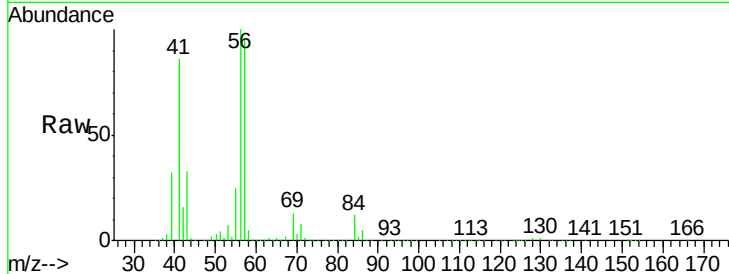
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Bromochloromethane
Concen: 10.00 ppbv m
RT: 6.71 min Scan# 594
Delta R.T. 0.05 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Instrument :
MSVOA_L
ClientSampled :
SS-3

Tot Ion: 49 Resp: 274295
Ion Ratio Lower Upper
49 100
128 49.9 26.3 78.8
130 61.9 34.2 102.5

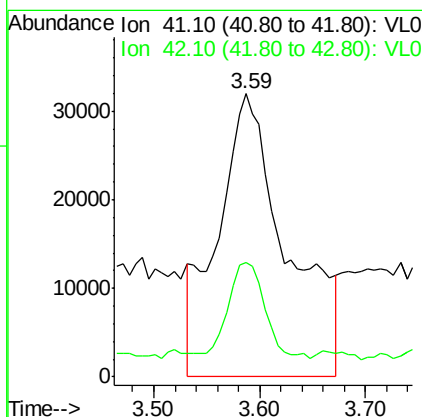
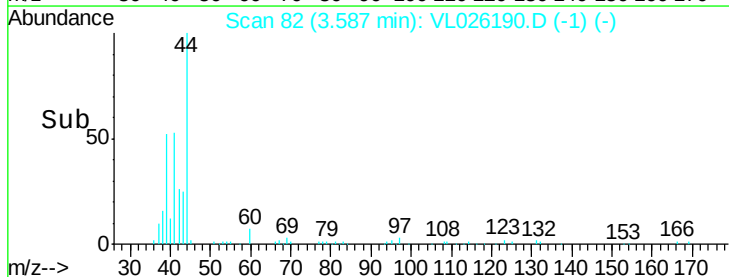
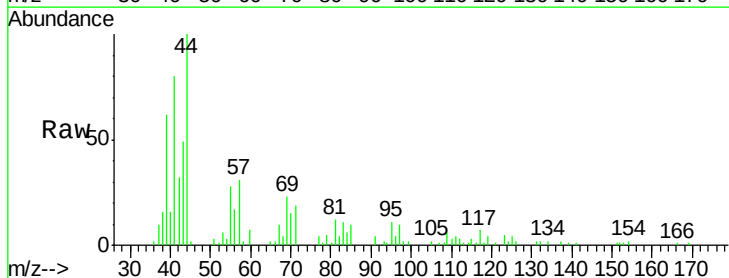
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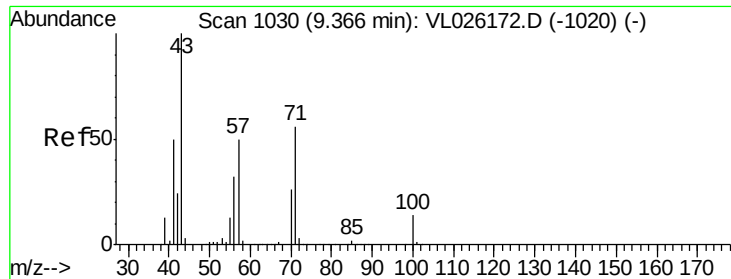
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#9
Propene
Concen: 9.93 ppbv m
RT: 3.59 min Scan# 82
Delta R.T. -0.01 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Tgt Ion: 41 Resp: 146026
Ion Ratio Lower Upper
41 100
42 2318.0 53.6 80.4#





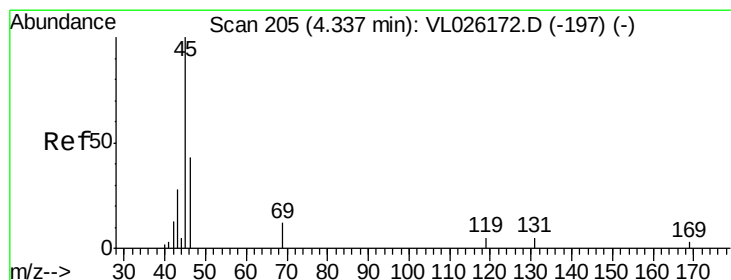
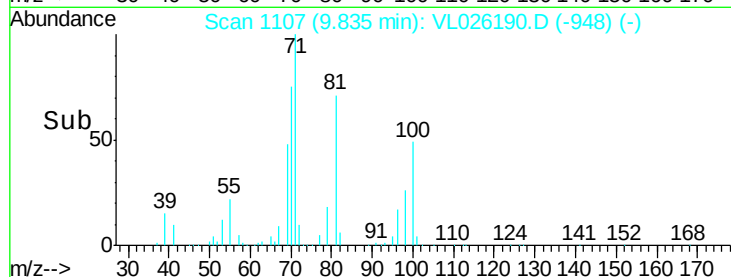
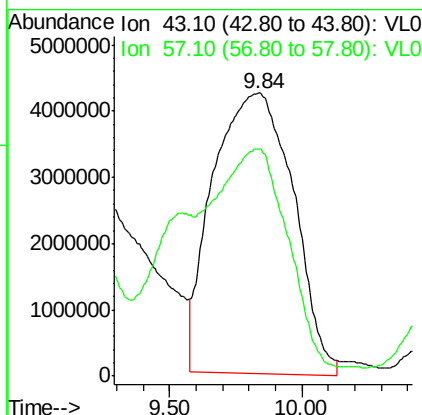
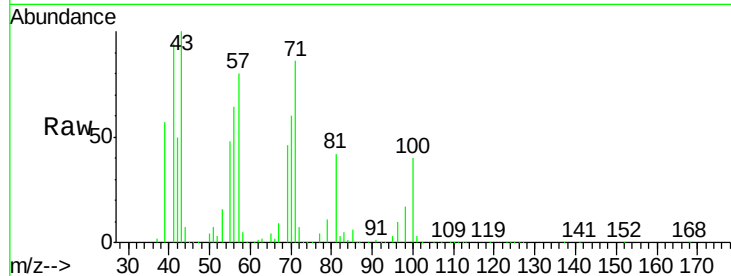
#10
Heptane
Concen: 1758.60 ppbv m
RT: 9.84 min Scan# 1107
Delta R.T. 0.47 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Instrument :
MSVOA_L
ClientSampled :
SS-3

Tot Ion: 43 Resp: 89917418
Ion Ratio Lower Upper
43 100
57 0.0 41.8 62.8#

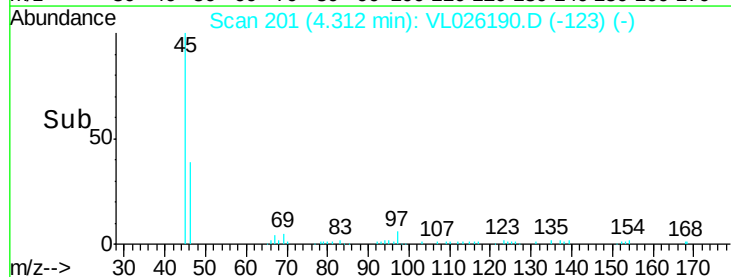
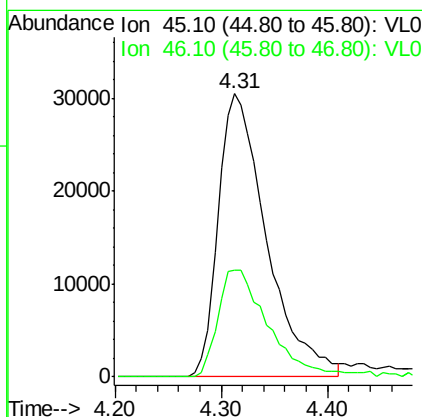
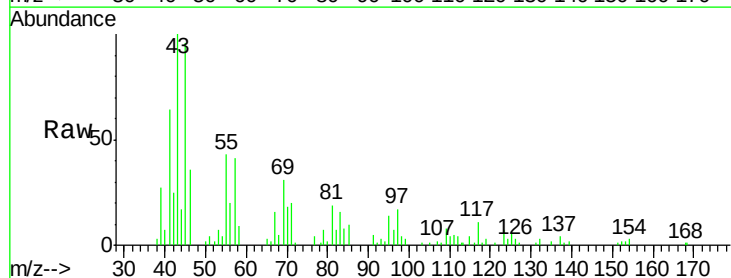
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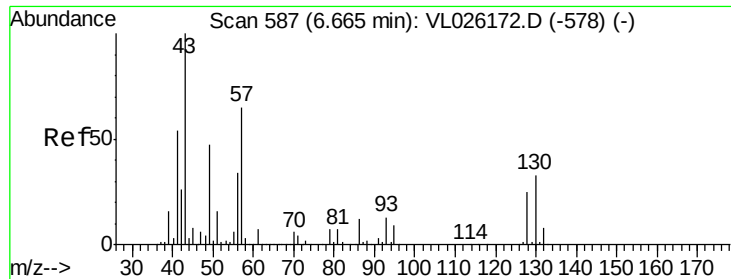
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#13
Ethanol
Concen: 44.58 ppbv
RT: 4.31 min Scan# 201
Delta R.T. -0.02 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Tgt Ion: 45 Resp: 96453
Ion Ratio Lower Upper
45 100
46 40.2 18.1 72.5





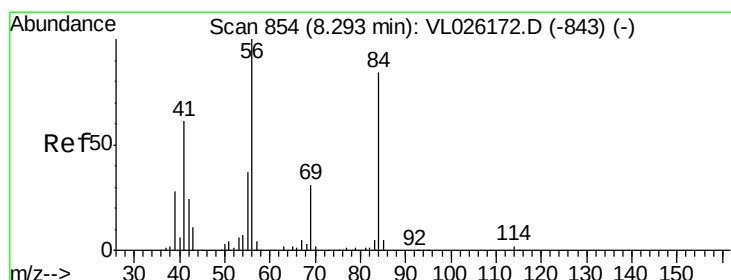
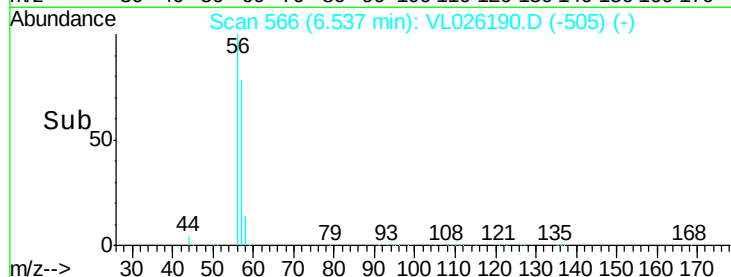
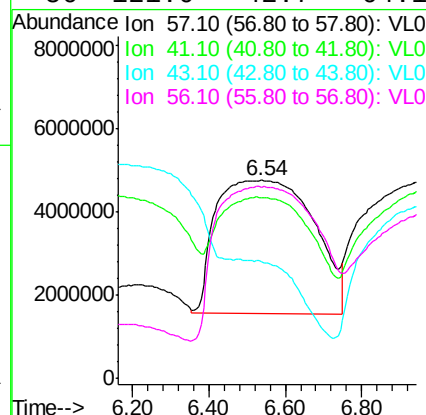
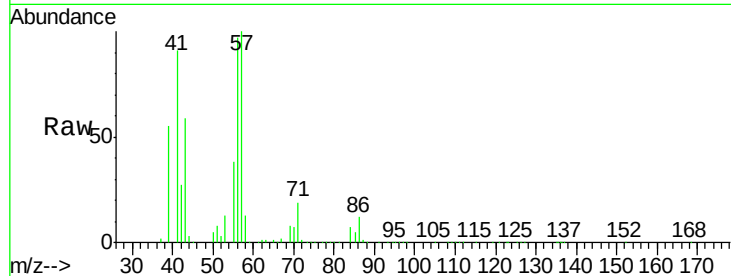
#26
Hexane
Concen: 1726.68 ppbv m
RT: 6.54 min Scan# 566
Delta R.T. -0.13 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Instrument :
MSVOA_L
ClientSampleId :
SS-3

Tot Ion: 57 Resp:57331664
Ion Ratio Lower Upper
57 100
41 53.4 68.0 102.0#
43 0.0 164.4 246.6#
56 121.0 42.7 64.1#

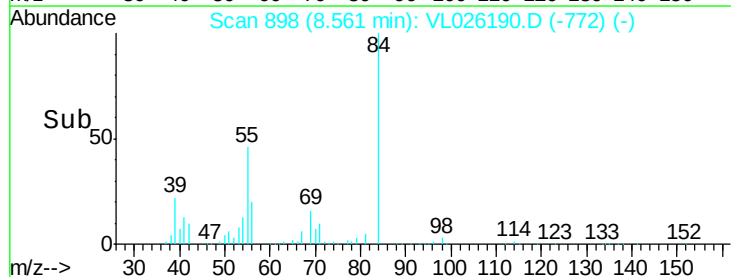
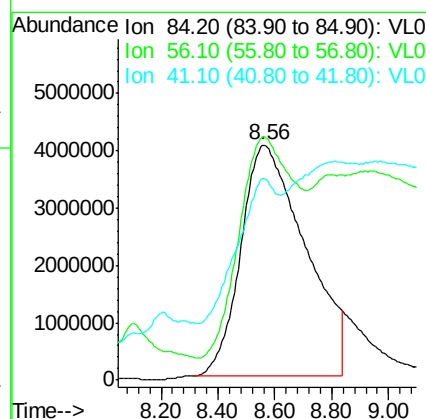
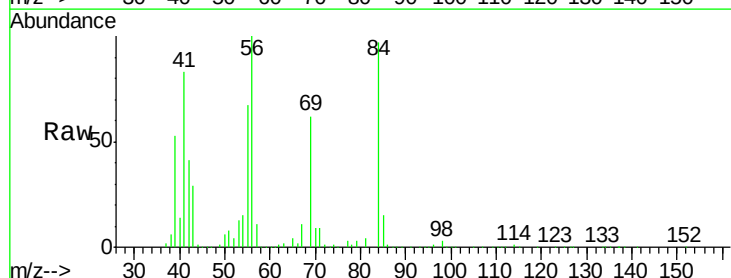
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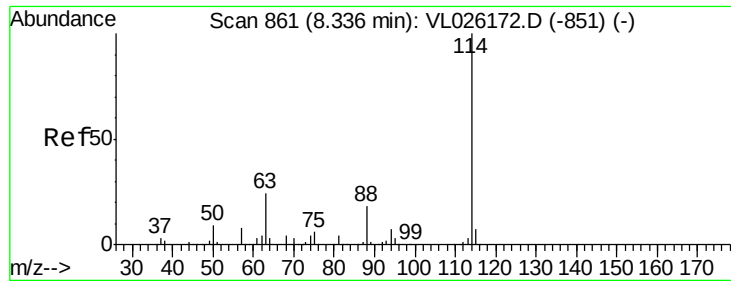
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#30
Cyclohexane
Concen: 2012.85 ppbv
RT: 8.56 min Scan# 898
Delta R.T. 0.27 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Tgt Ion: 84 Resp:63677518
Ion Ratio Lower Upper
84 100
56 83.2 99.8 149.8#
41 37.7 58.1 87.1#





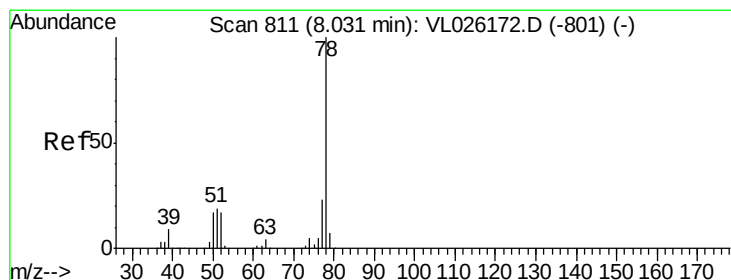
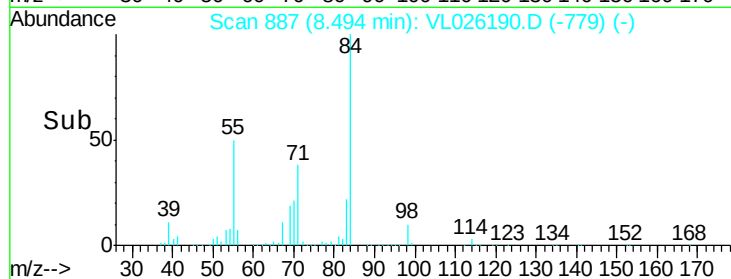
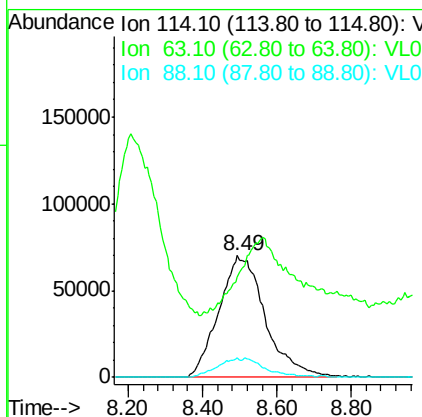
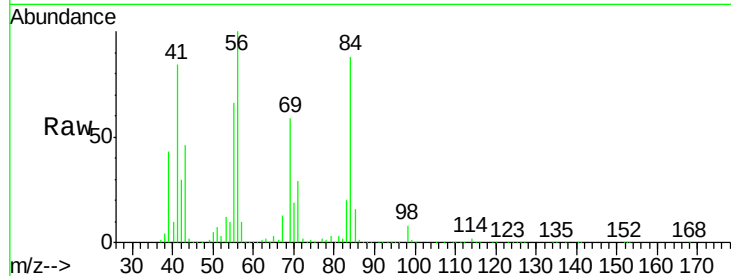
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 8.49 min Scan# 887
 Delta R.T. 0.16 min
 Lab File: VL026190.D
 Acq: 10 Oct 2015 00:14

Instrument :
 MSVOA_L
 ClientSampled :
 SS-3

Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	19.0	28.6#
88	0.0	13.8	20.8#

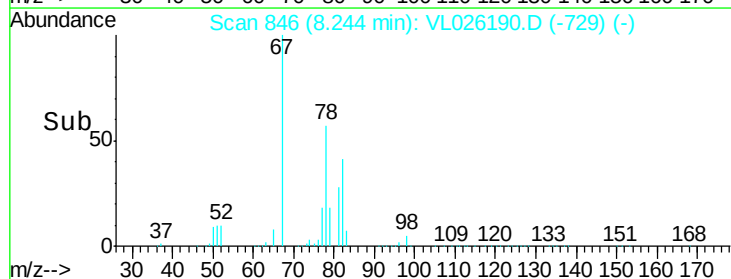
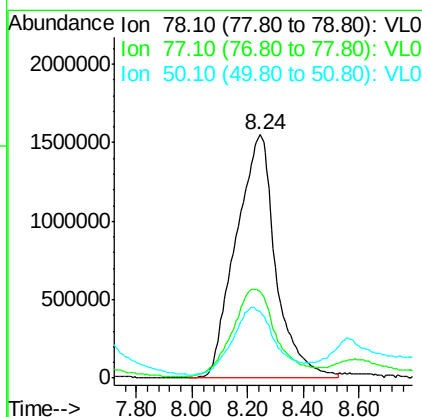
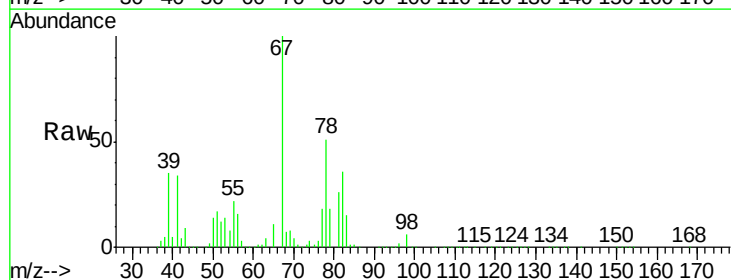
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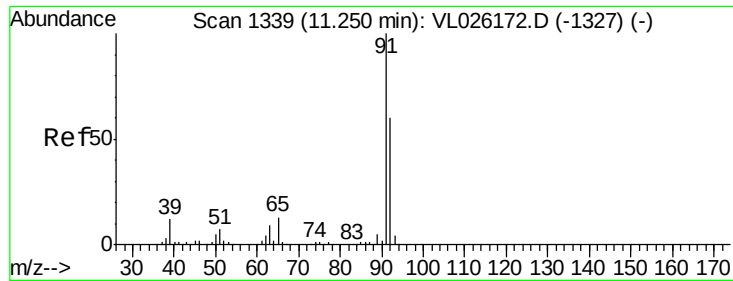
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#36
 Benzene
 Concen: 265.03 ppbv
 RT: 8.24 min Scan# 846
 Delta R.T. 0.21 min
 Lab File: VL026190.D
 Acq: 10 Oct 2015 00:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	34.6	18.2	27.4#
50	25.9	13.4	20.2#





#53

Toluene

Concen: 61.32 ppbv

RT: 11.55 min Scan# 1388

Delta R.T. 0.30 min

Lab File: VL026190.D

Acq: 10 Oct 2015 00:14

Instrument :

MSVOA_L

ClientSampled :

SS-3

Tot Ion: 91 Resp: 4586468

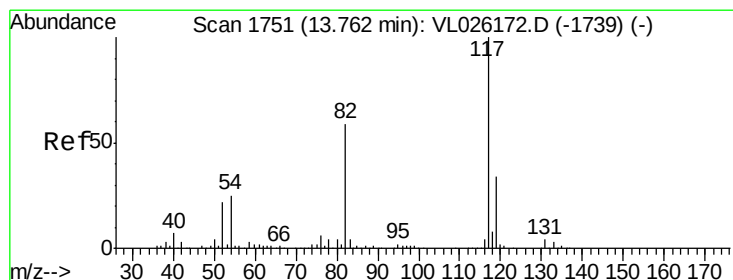
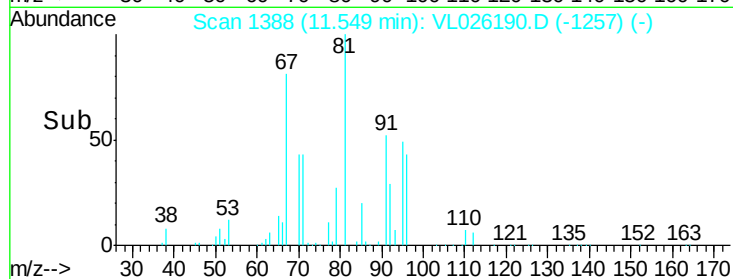
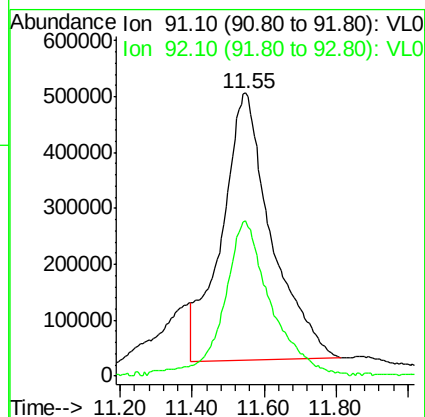
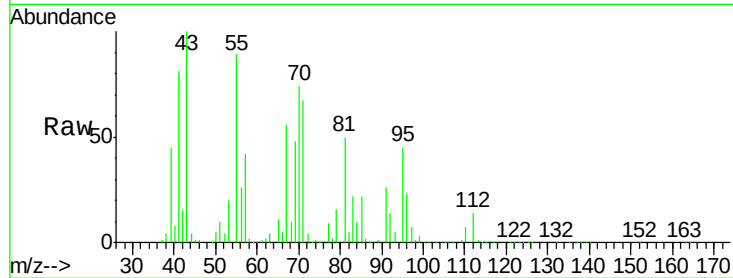
Ion Ratio Lower Upper

91 100

92 56.0 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 14.01 min Scan# 1792

Delta R.T. 0.25 min

Lab File: VL026190.D

Acq: 10 Oct 2015 00:14

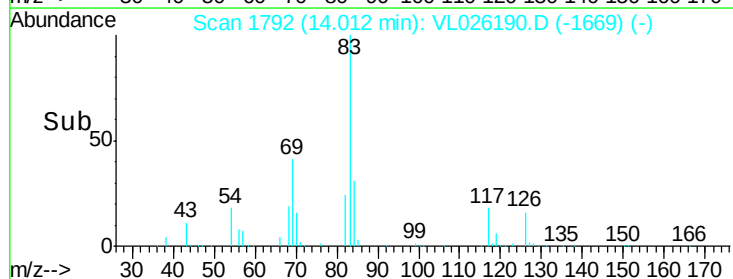
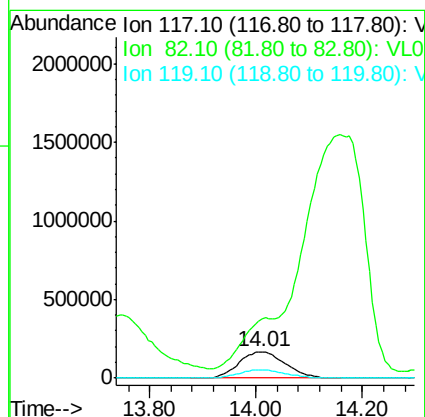
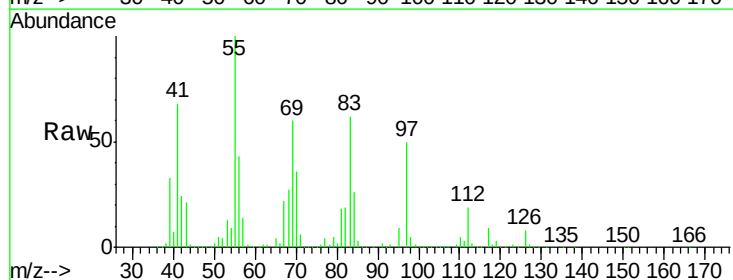
Tgt Ion: 117 Resp: 1005482

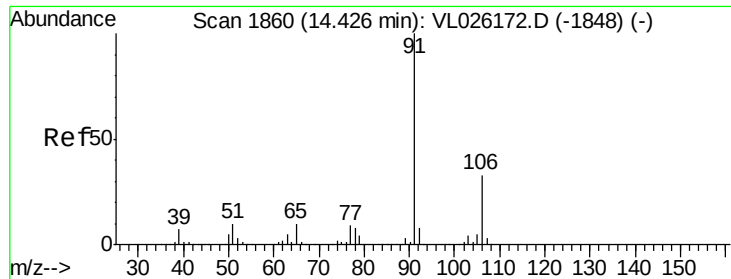
Ion Ratio Lower Upper

117 100

82 1290.3 47.7 71.5#

119 32.0 43.7 65.5#





#58

Ethyl Benzene

Concen: 49.91 ppbv

RT: 14.67 min Scan# 1900

Delta R.T. 0.24 min

Lab File: VL026190.D

Acq: 10 Oct 2015 00:14

Instrument :

MSVOA_L

ClientSampled :

SS-3

Tot Ion: 91 Resp: 7288724

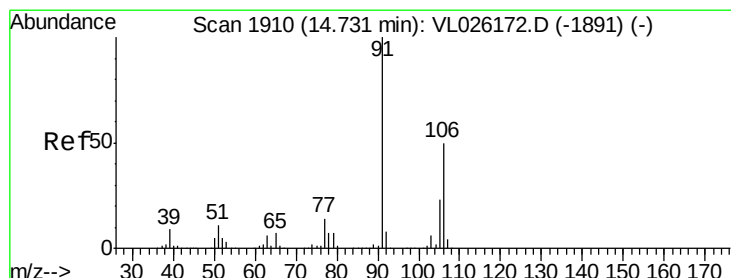
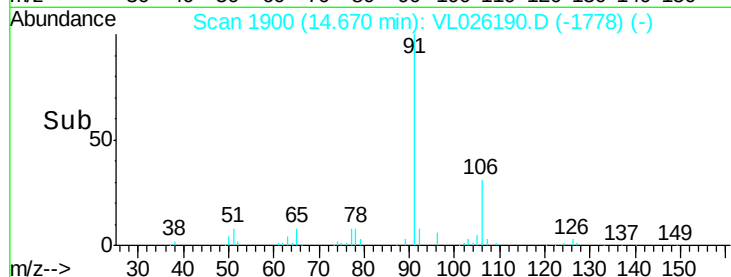
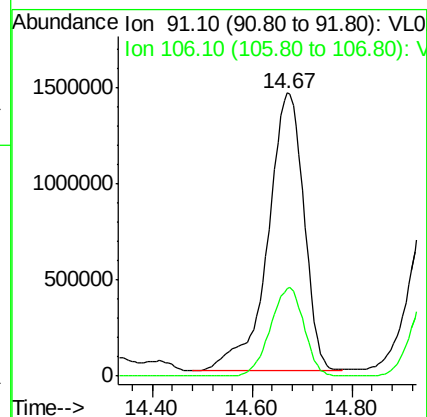
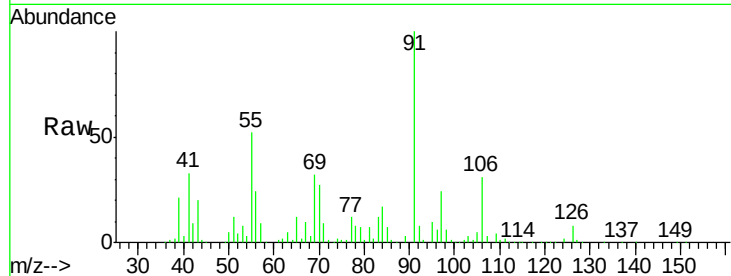
Ion Ratio Lower Upper

91 100

106 31.5 26.1 39.1

Manual Integrations
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#59

m/p-Xylene

Concen: 45.92 ppbv

RT: 14.96 min Scan# 1948

Delta R.T. 0.23 min

Lab File: VL026190.D

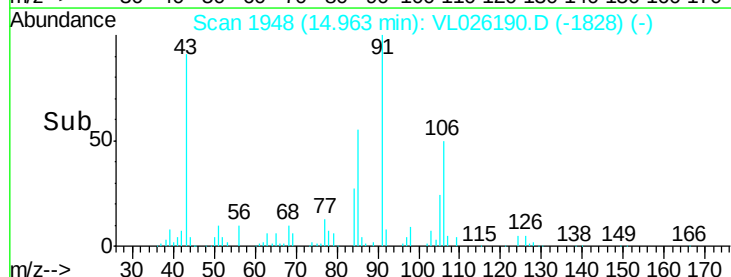
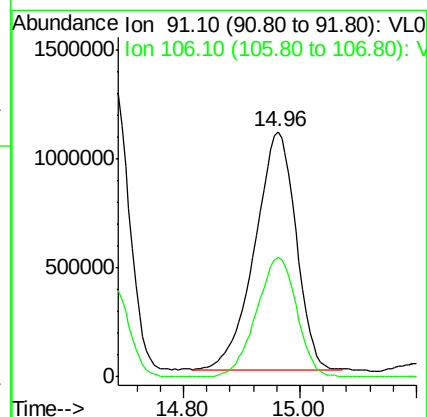
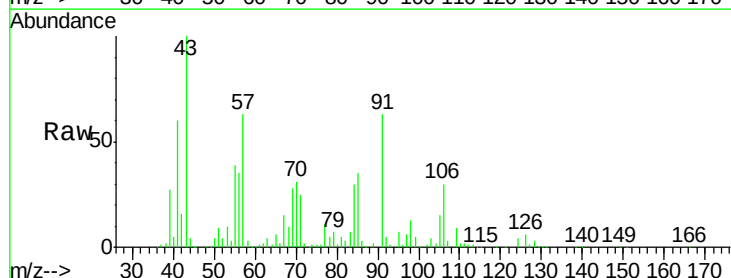
Acq: 10 Oct 2015 00:14

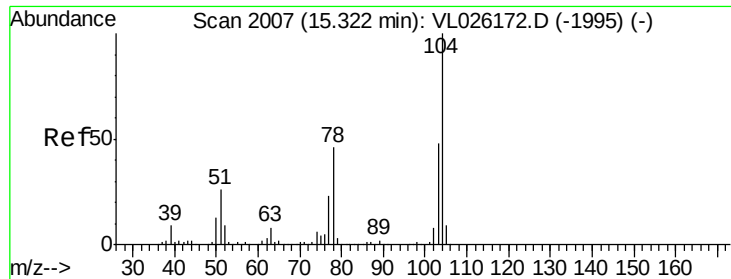
Tgt Ion: 91 Resp: 5382296

Ion Ratio Lower Upper

91 100

106 48.9 40.2 60.4





#61

Stvrene

Concen: 7.41 ppbv

RT: 15.54 min Scan# 2042

Delta R.T. 0.21 min

Lab File: VL026190.D

Acq: 10 Oct 2015 00:14

Instrument :

MSVOA_L

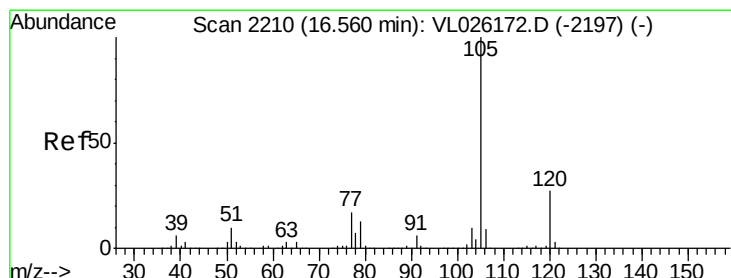
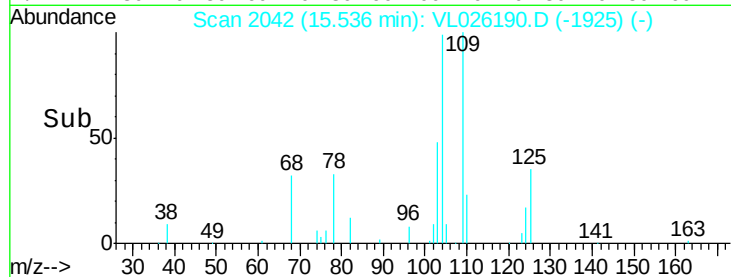
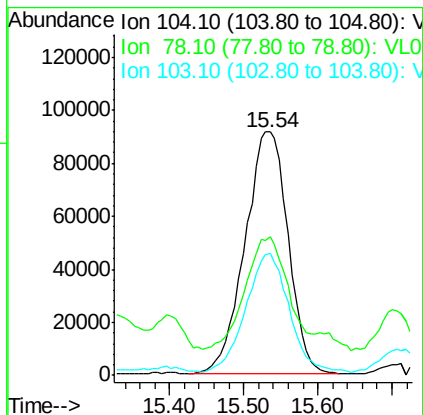
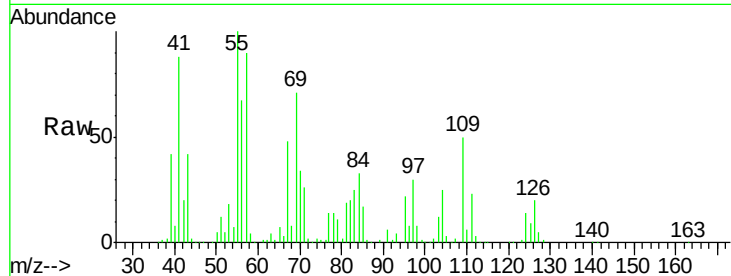
ClientSampled :

SS-3

Tot Ion:	104	Resp:	372163
Ion Ratio	Lower	Upper	
104	100		
78	51.2	36.1	54.1
103	49.5	37.5	56.3

Manual Integrations
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#62

Isopropylbenzene

Concen: 6.44 ppbv

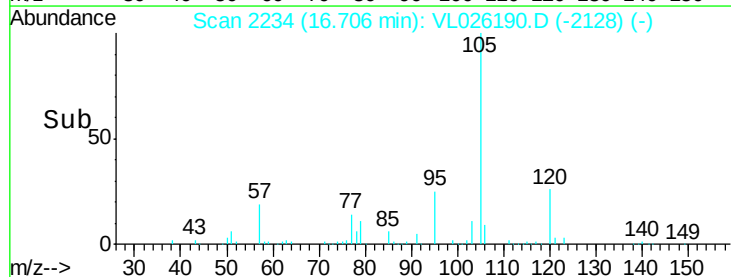
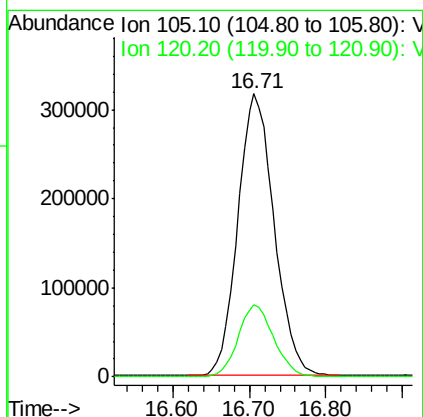
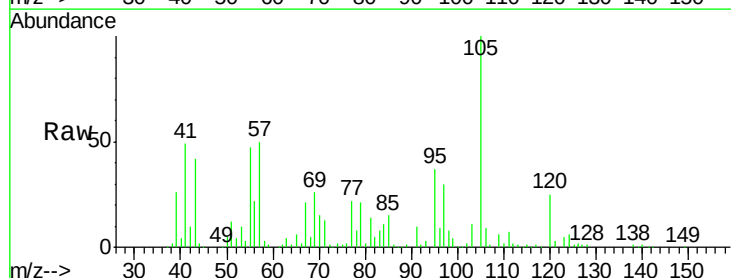
RT: 16.71 min Scan# 2234

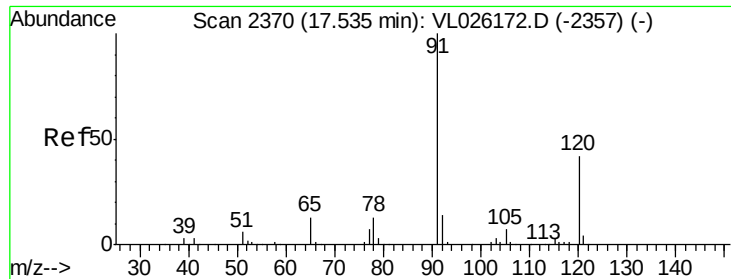
Delta R.T. 0.15 min

Lab File: VL026190.D

Acq: 10 Oct 2015 00:14

Tgt Ion:	105	Resp:	1043088
Ion Ratio	Lower	Upper	
105	100		
120	25.2	21.8	32.6





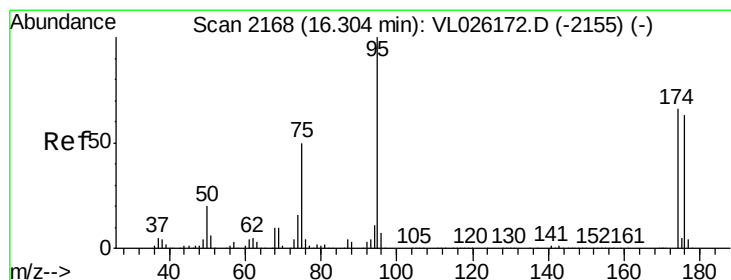
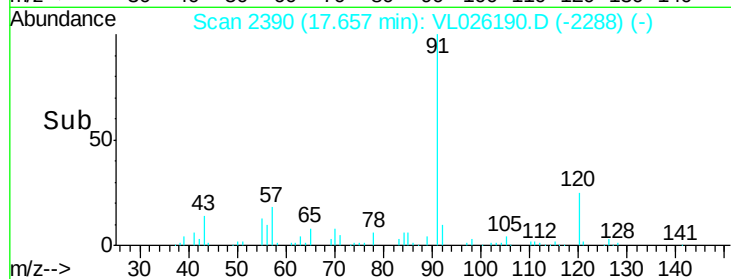
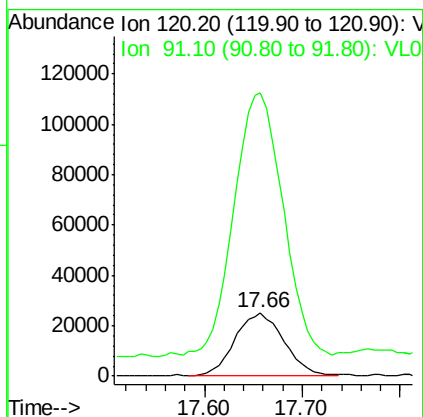
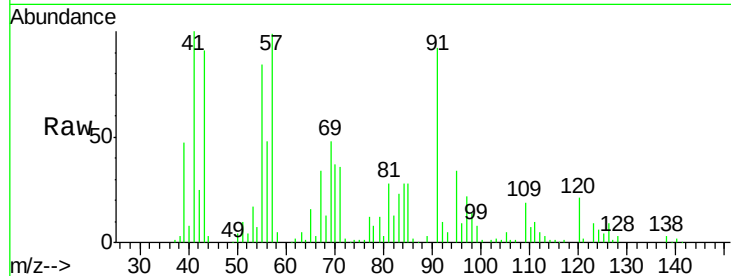
#64
n-propylbenzene
Concen: 2.02 ppbv
RT: 17.66 min Scan# 2390
Delta R.T. 0.12 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Instrument :
MSVOA_L
ClientSampled :
SS-3

Tot Ion:120 Resp: 88243
Ion Ratio Lower Upper
120 100
91 430.0 353.4 530.2

Manual Integrations
APPROVED

MMdadoda
10/13/2015 1:17:53 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 41.43 ppbv m
RT: 16.47 min Scan# 2195
Delta R.T. 0.16 min
Lab File: VL026190.D
Acq: 10 Oct 2015 00:14

Tgt Ion: 95 Resp: 3197850
Ion Ratio Lower Upper
95 100
174 0.0 52.2 78.4#
175 0.0 3.9 5.9#

