

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026184.D
 Acq On : 9 Oct 2015 20:15
 Operator : SY/MD
 Sample : G3973-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:24:30 PM

Quant Time: Oct 10 04:21:14 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	6.67	49	803829	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.41	114	755324	10.00	ppbv	0.07
55) Chlorobenzene-d5	14.08	117	496981	10.00	ppbv	0.32

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	16.68	95	796	0.02	ppbv	0.38	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	0.20%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	47692	0.32	ppbv	96
3) Chlorodifluoromethane	3.57	51	146048m	1.56	ppbv	
4) Chloromethane	3.75	50	10965	0.21	ppbv	96
9) Propene	3.59	41	232617	5.40	ppbv	97
10) Heptane	9.52	43	104501	0.70	ppbv #	1
11) Trichlorofluoromethane	4.70	101	34074	0.23	ppbv	89
13) Ethanol	4.34	45	162936	25.70	ppbv	91
15) Acetone	4.60	43	13765164	132.49	ppbv #	79
19) Isopropyl Alcohol	4.77	45	160743	3.97	ppbv #	94
23) Vinyl Acetate	6.07	43	64695039	351.81	ppbv #	4
26) Hexane	6.78	57	43896967	451.14	ppbv #	46
27) Carbon Disulfide	5.40	76	49260	0.42	ppbv #	1
30) Cyclohexane	8.42	84	63649896	686.56	ppbv #	64
36) Benzene	8.12	78	37598107	520.46	ppbv #	49
53) Toluene	11.83	91	195398056m	2098.99	ppbv	
58) Ethyl Benzene	14.70	91	43715862m	605.58	ppbv	
59) m/p-Xylene	14.97	91	47419529m	818.54	ppbv	
60) o-Xylene	15.71	91	14902213m	245.47	ppbv	

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

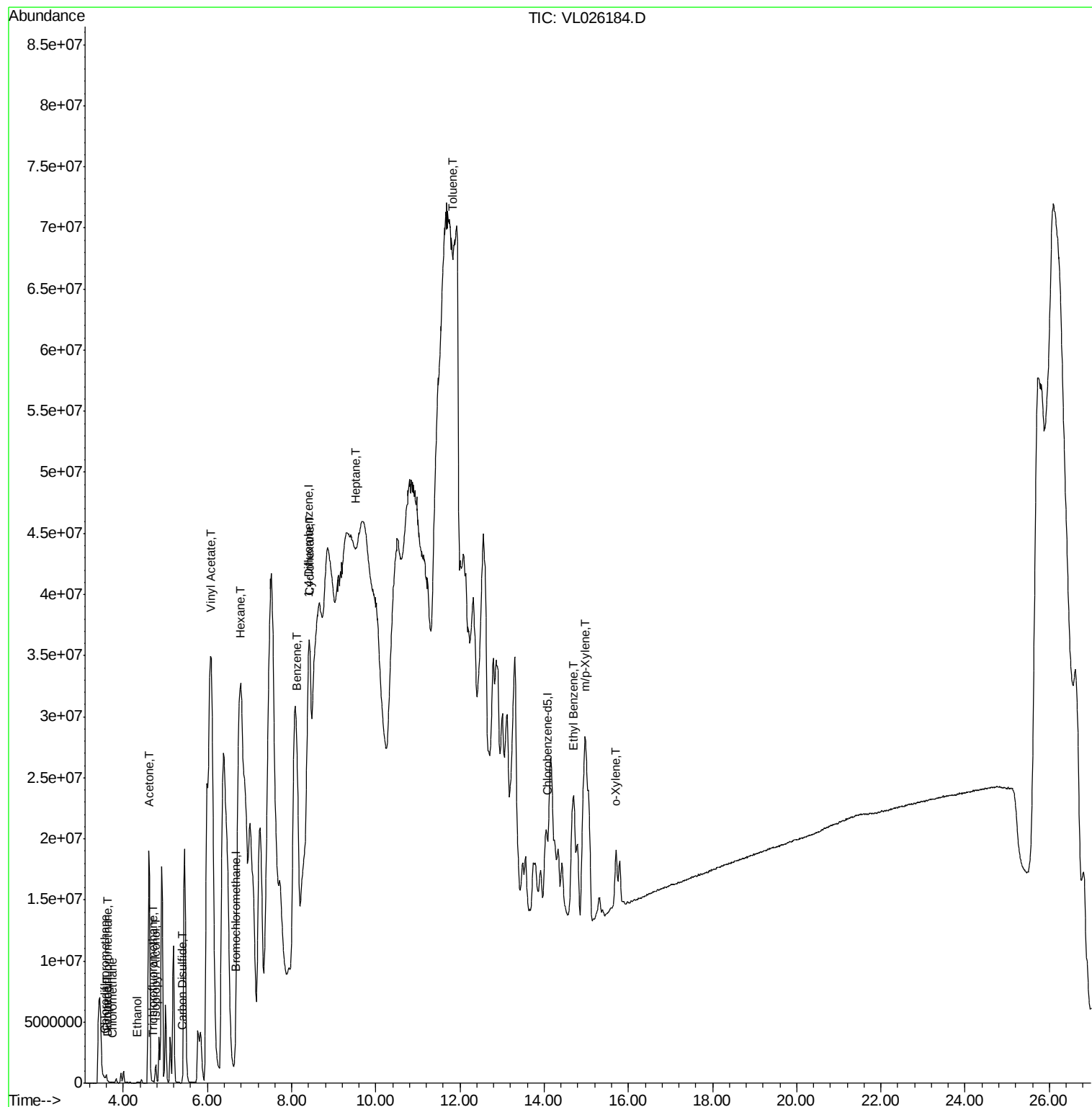
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026184.D
Acq On : 9 Oct 2015 20:15
Operator : SY/MD
Sample : G3973-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

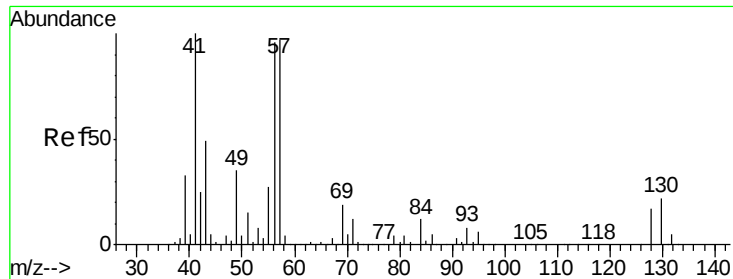
Instrument :
MSVOA_L
ClientSampleId :
SS-1

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Quant Time: Oct 10 04:21:14 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





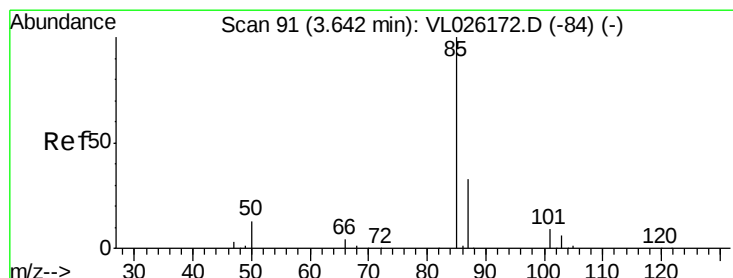
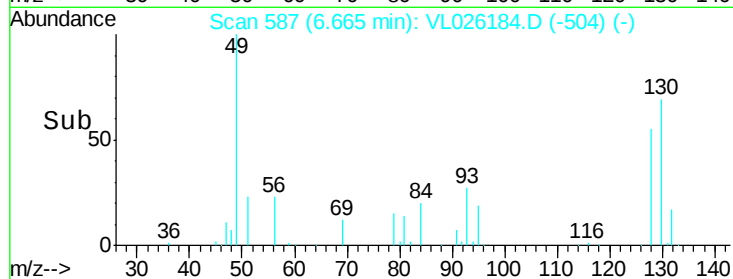
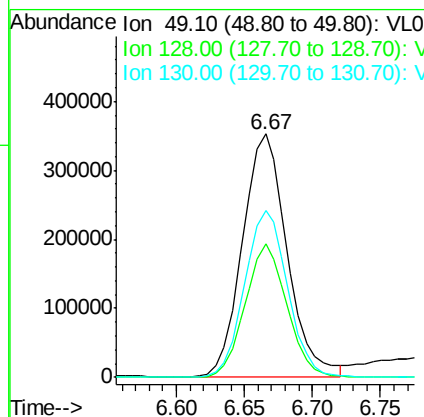
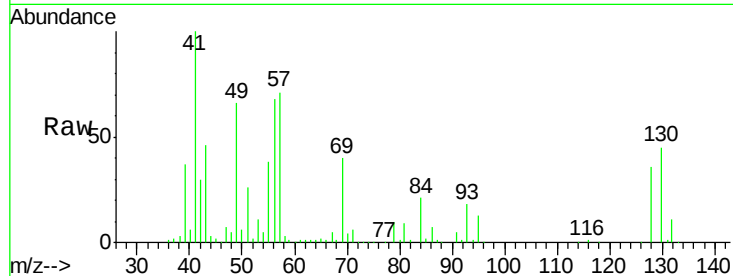
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.01 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion: 49 Resp: 803829
Ion Ratio Lower Upper
49 100
128 51.8 26.3 78.8
130 66.6 34.2 102.5

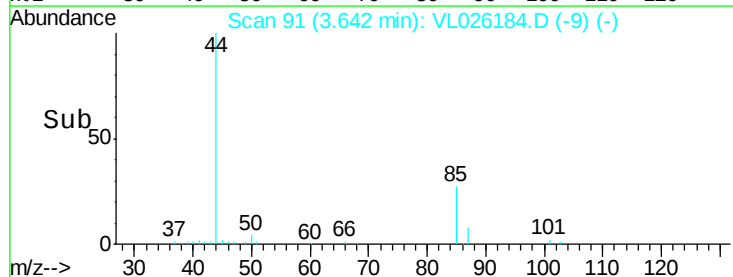
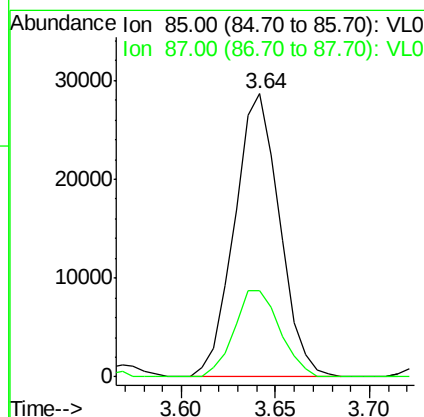
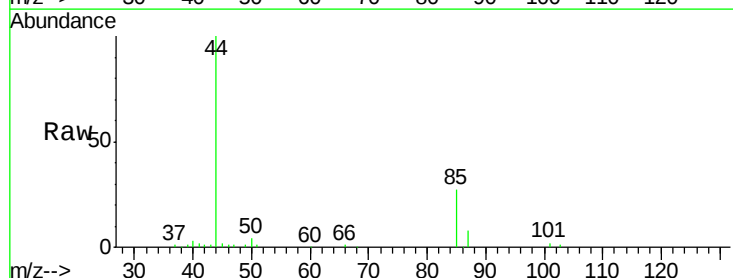
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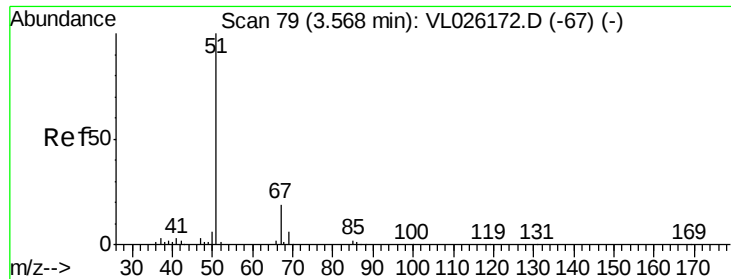
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#2
Dichlorodifluoromethane
Concen: 0.32 ppbv
RT: 3.64 min Scan# 91
Delta R.T. 0.00 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 85 Resp: 47692
Ion Ratio Lower Upper
85 100
87 30.7 26.2 39.4





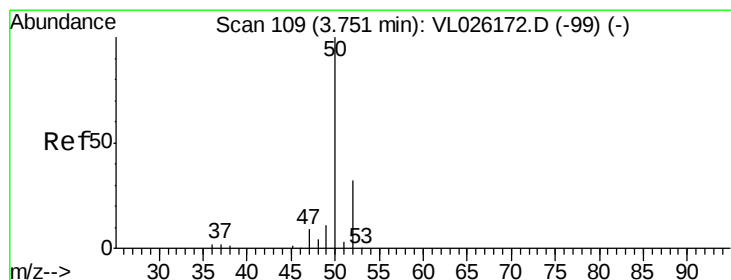
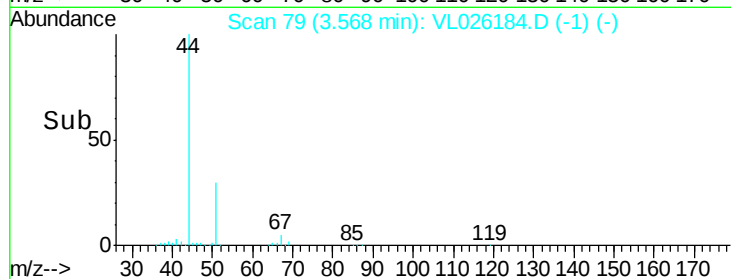
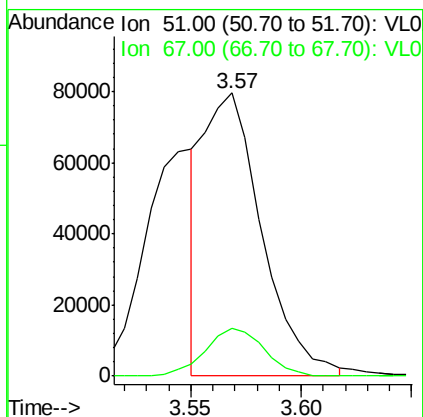
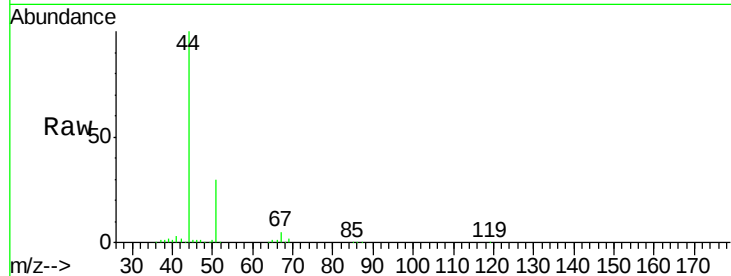
#3
Chlorodifluoromethane
Concen: 1.56 ppbv m
RT: 3.57 min Scan# 79
Delta R.T. 0.00 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
51	100		
67	16.8	14.9	22.3

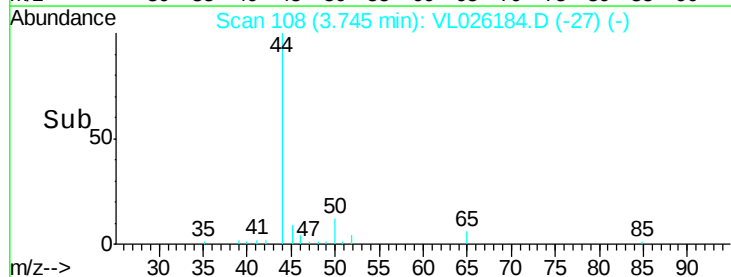
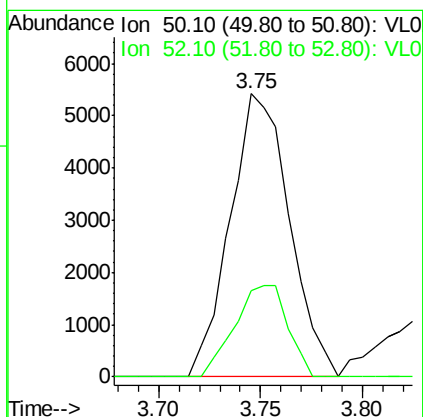
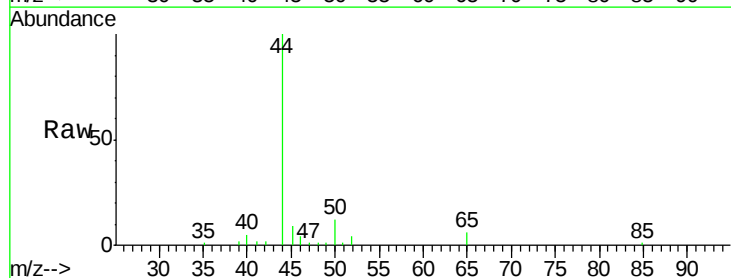
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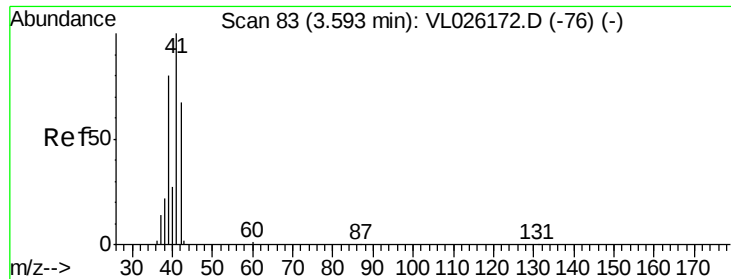
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#4
Chloromethane
Concen: 0.21 ppbv
RT: 3.75 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.4	25.9	38.9





#9

Propene

Concen: 5.40 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 41 Resp: 232617

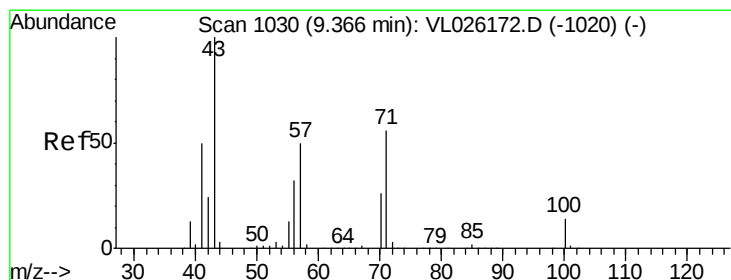
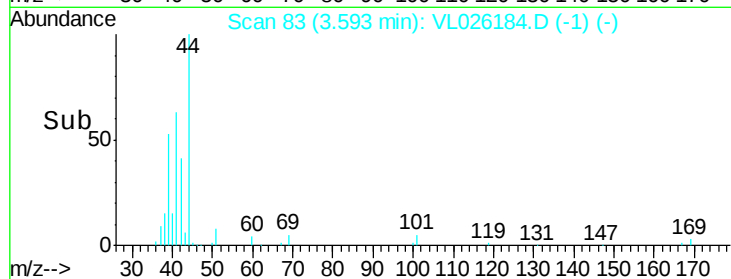
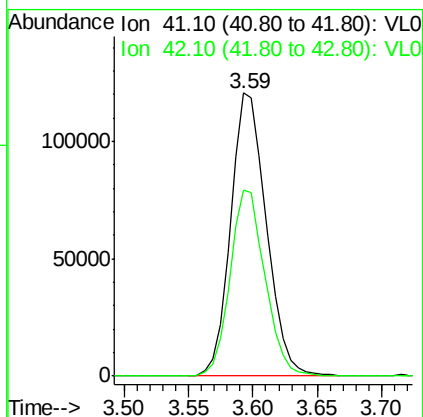
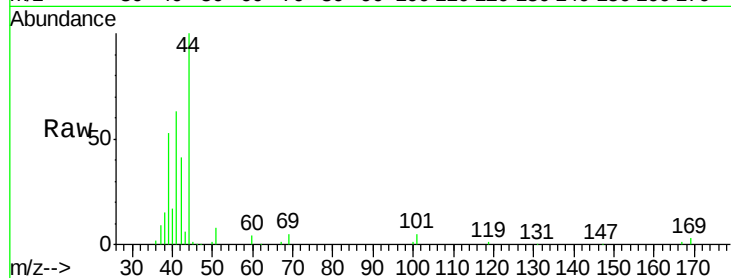
Ion Ratio Lower Upper

41 100

42 64.4 53.6 80.4

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#10

Heptane

Concen: 0.70 ppbv

RT: 9.52 min Scan# 1056

Delta R.T. 0.16 min

Lab File: VL026184.D

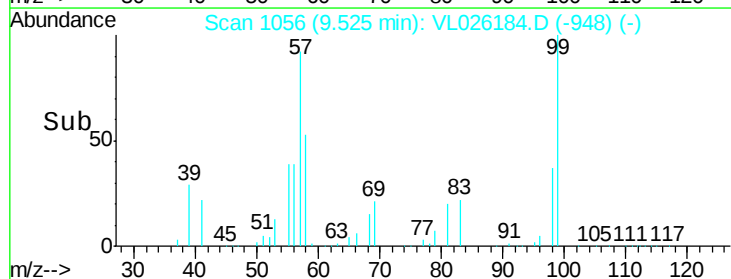
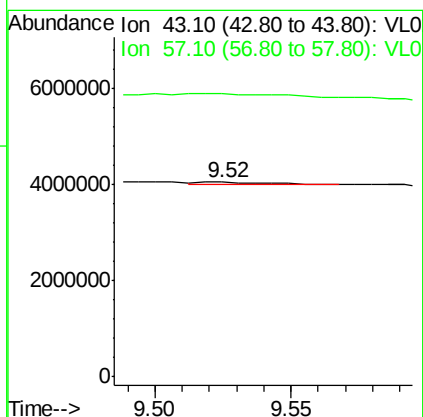
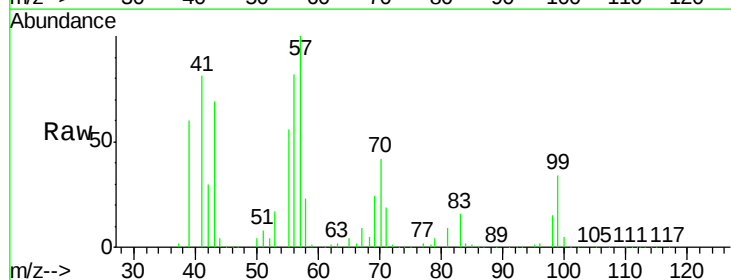
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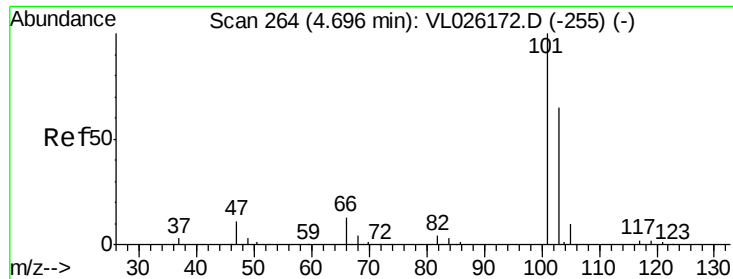
Tgt Ion: 43 Resp: 104501

Ion Ratio Lower Upper

43 100

57 75489.5 41.8 62.8#





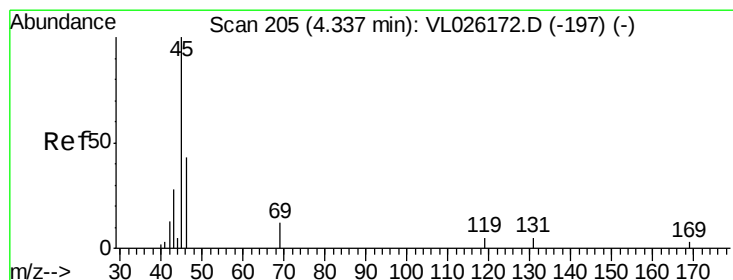
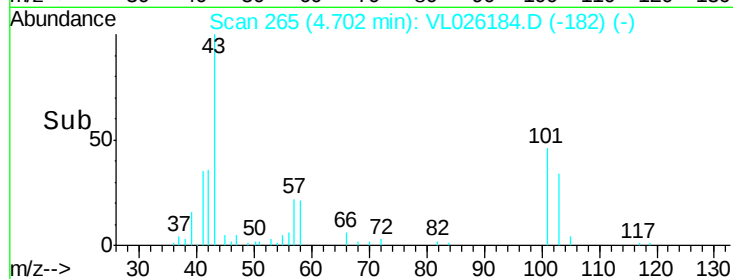
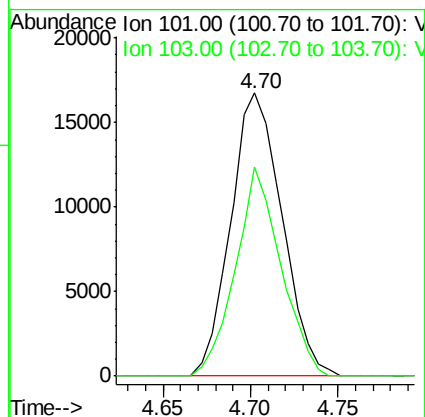
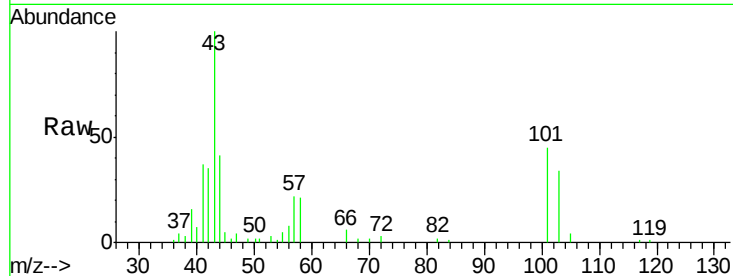
#11
Trichlorofluoromethane
Concen: 0.23 ppbv
RT: 4.70 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion:101 Resp: 34074
Ion Ratio Lower Upper
101 100
103 73.9 51.9 77.9

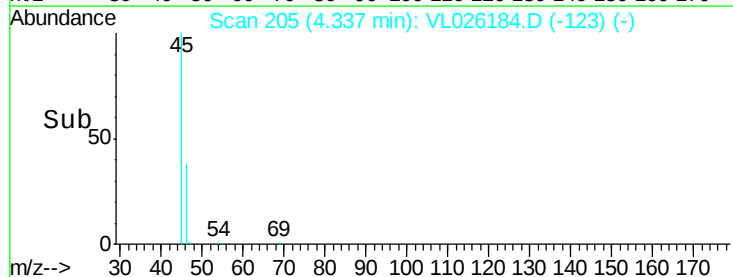
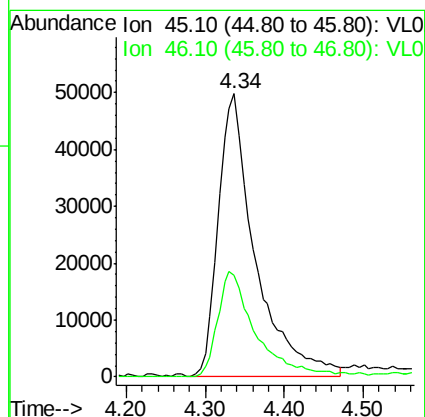
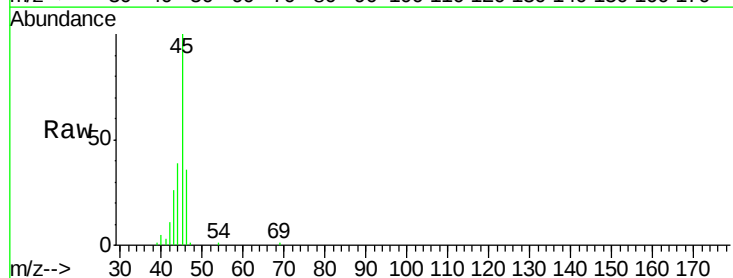
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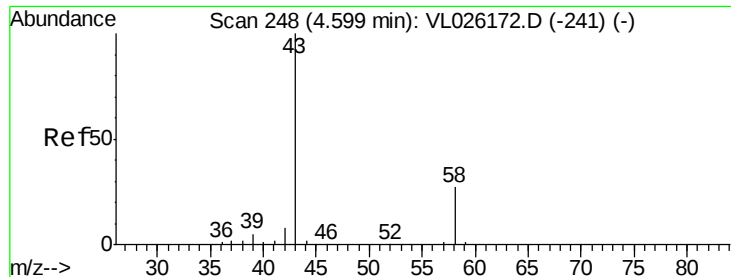
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#13
Ethanol
Concen: 25.70 ppbv
RT: 4.34 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 45 Resp: 162936
Ion Ratio Lower Upper
45 100
46 39.3 18.1 72.5





#15

Acetone

Concen: 132.49 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tot Ion: 43 Resp:13765164

Ion Ratio Lower Upper

43 100

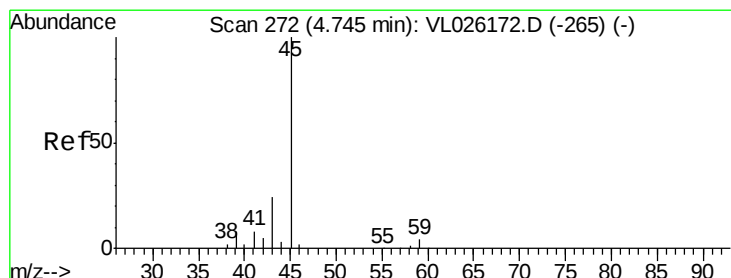
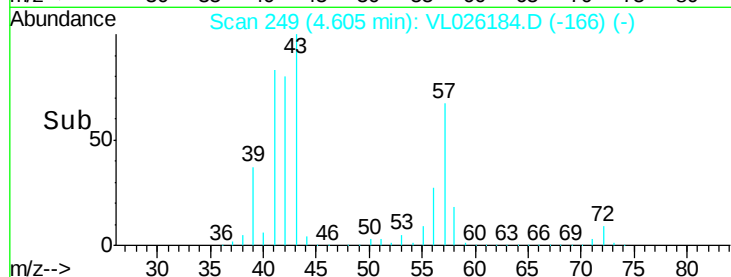
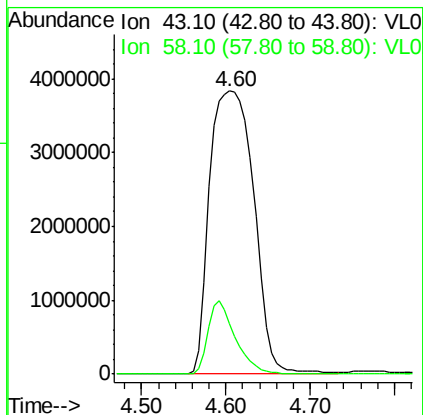
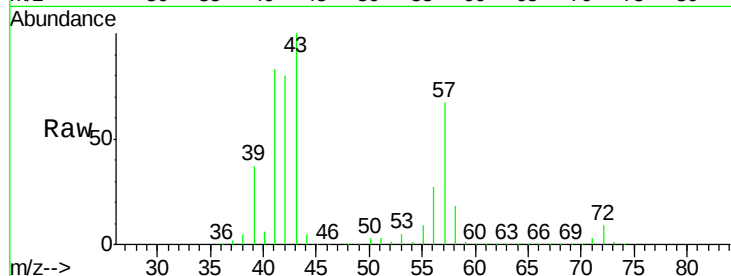
58 16.5 22.0 33.0#

Manual Integrations

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#19

Isopropyl Alcohol

Concen: 3.97 ppbv

RT: 4.77 min Scan# 276

Delta R.T. 0.02 min

Lab File: VL026184.D

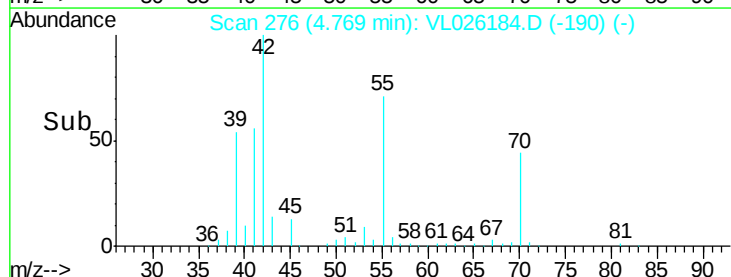
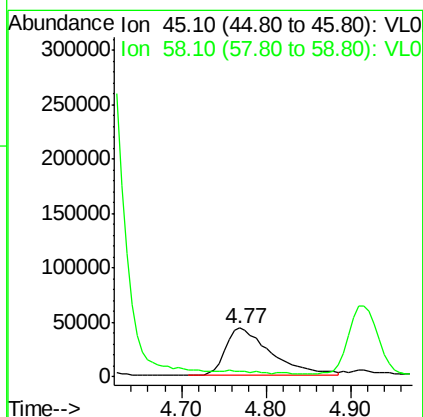
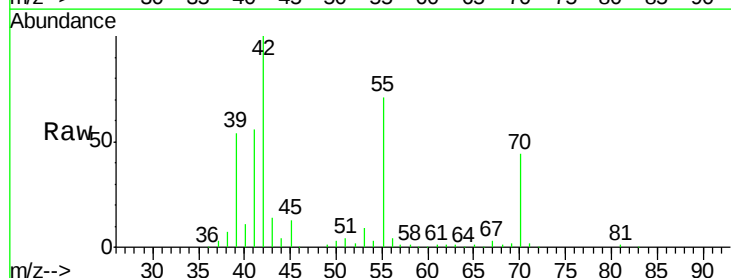
Acq: 9 Oct 2015 20:15

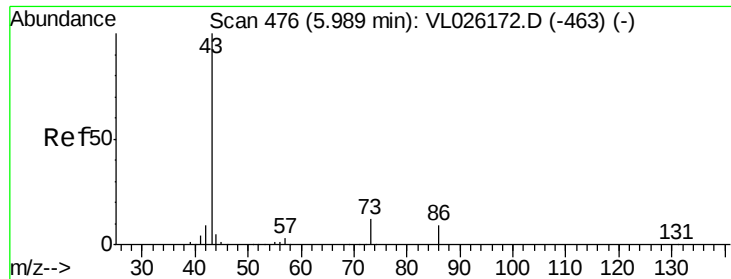
Tgt Ion: 45 Resp: 160743

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#





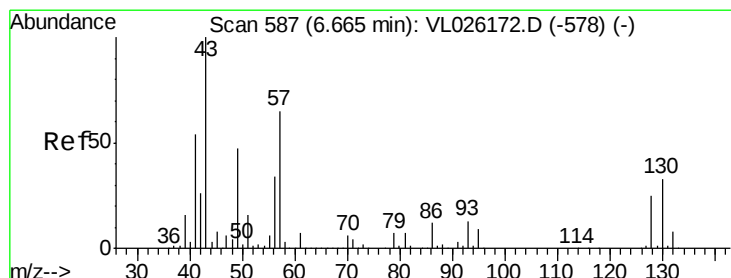
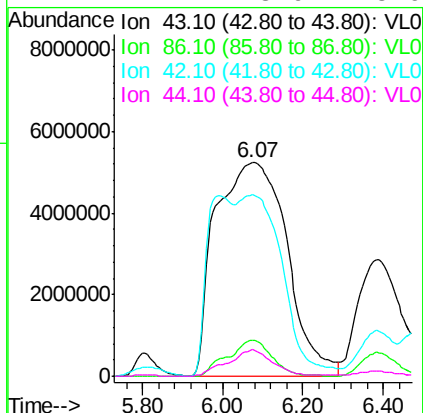
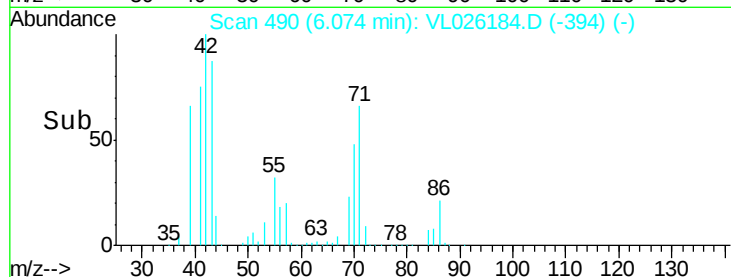
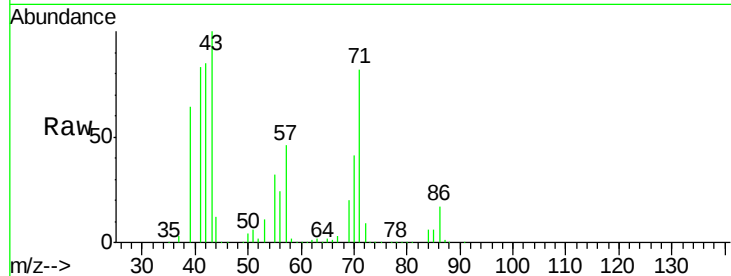
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 Vinyl Acetate
 Concen: 351.81 ppbv
 RT: 6.07 min Scan# 490
 Delta R.T. 0.09 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion: 43 Resp:64695039
 Ion Ratio Lower Upper
 43 100
 86 17.0 7.2 10.8#
 42 84.8 7.4 11.2#
 44 12.1 3.9 5.9#

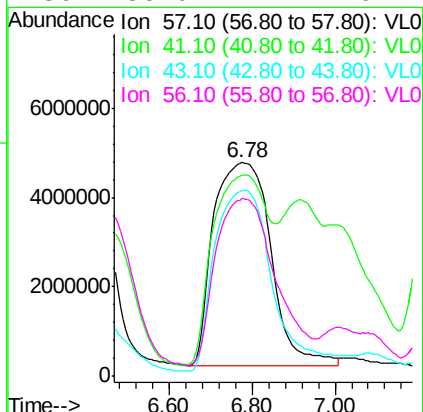
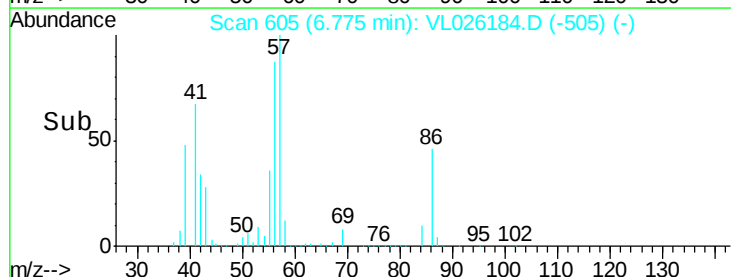
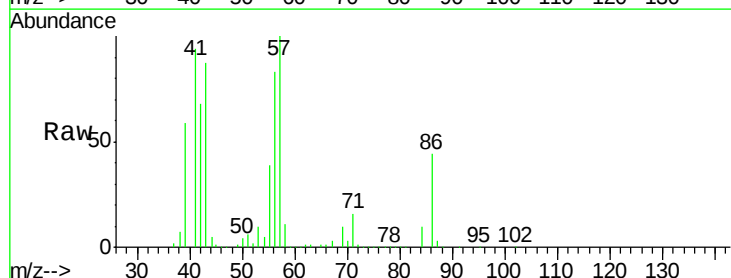
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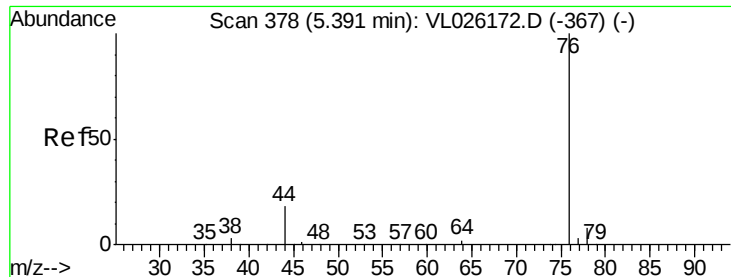
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#26
 Hexane
 Concen: 451.14 ppbv
 RT: 6.78 min Scan# 605
 Delta R.T. 0.11 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Tgt Ion: 57 Resp:43896967
 Ion Ratio Lower Upper
 57 100
 41 94.4 68.0 102.0
 43 91.3 164.4 246.6#
 56 86.0 42.7 64.1#





#27

Carbon Disulfide

Concen: 0.42 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.01 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

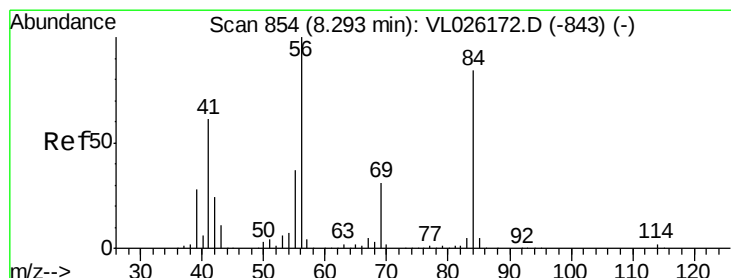
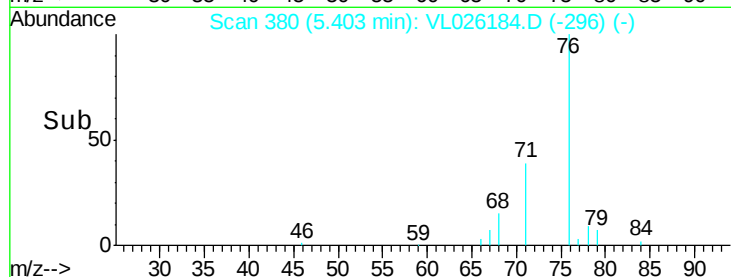
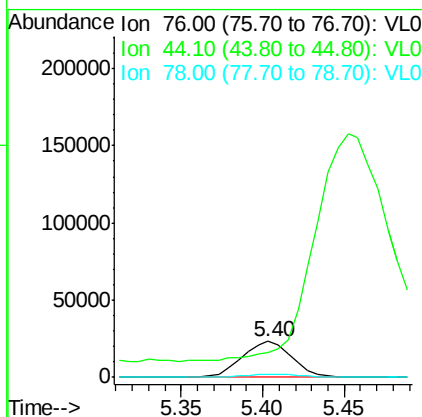
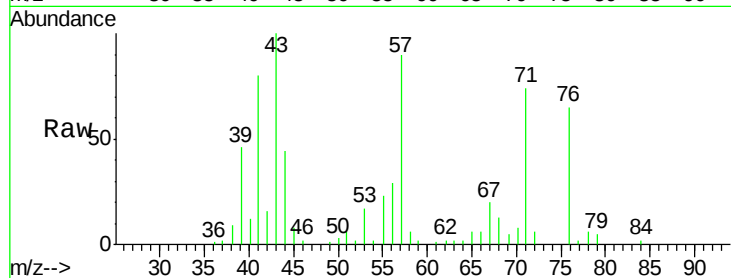
ClientSampleId :

SS-1

Tot Ion:	76	Resp:	49260
Ion	Ratio	Lower	Upper
76	100		
44	991.9	14.2	21.4#
78	11.5	7.5	11.3#

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#30

Cyclohexane

Concen: 686.56 ppbv

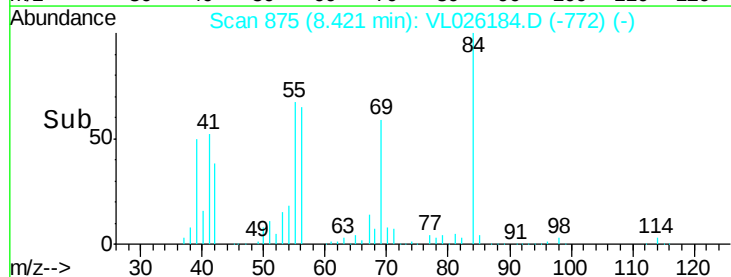
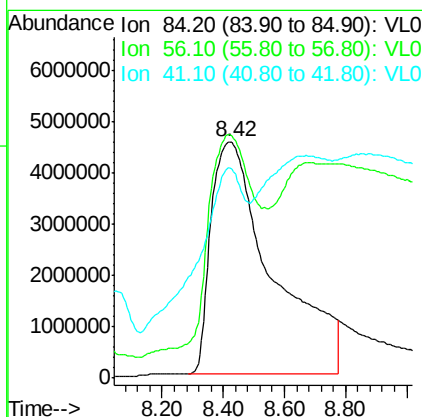
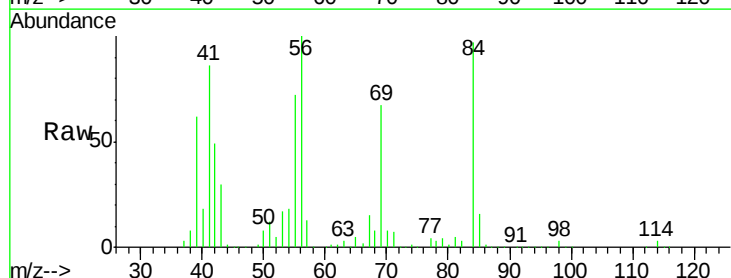
RT: 8.42 min Scan# 875

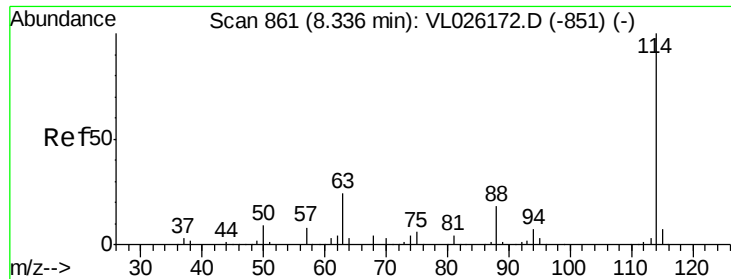
Delta R.T. 0.13 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Tgt Ion:	84	Resp:	63649896
Ion	Ratio	Lower	Upper
84	100		
56	77.2	99.8	149.8#
41	50.4	58.1	87.1#





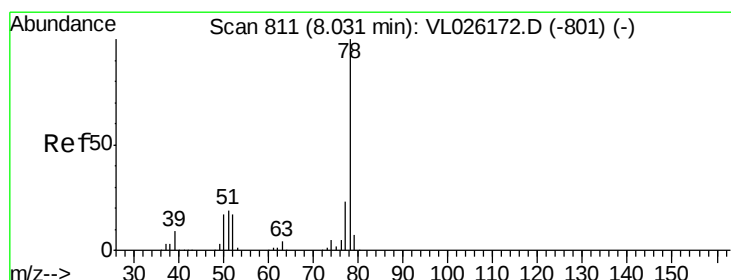
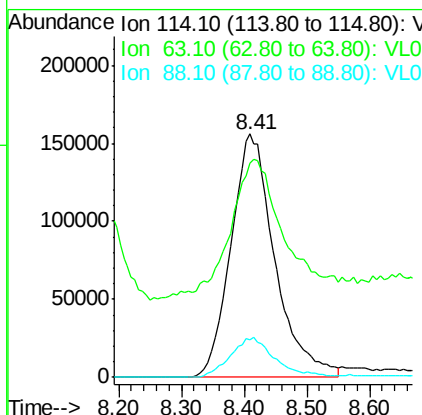
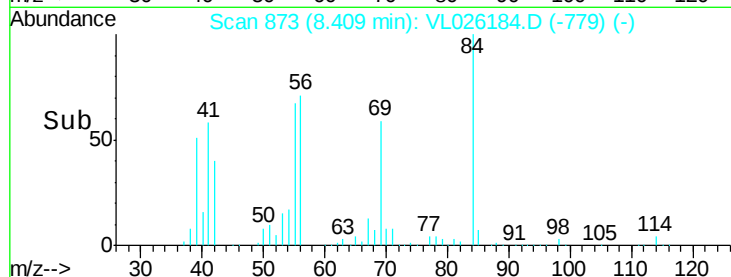
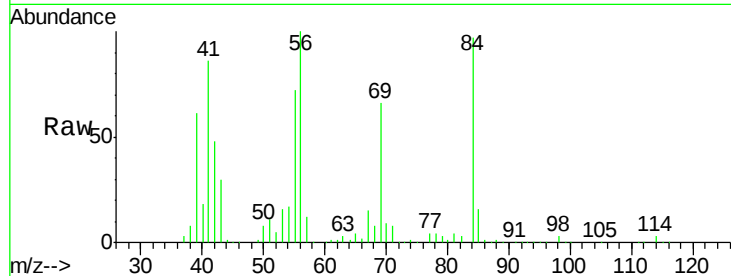
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.41 min Scan# 873
 Delta R.T. 0.07 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	95.3	19.0	28.6#
88	16.8	13.8	20.8

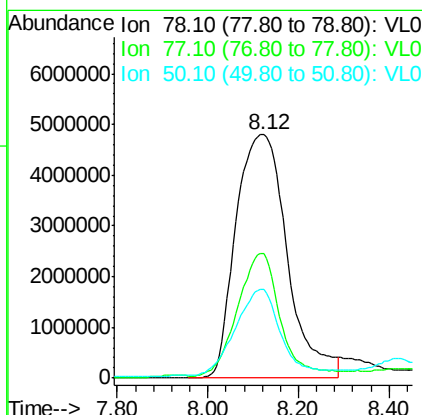
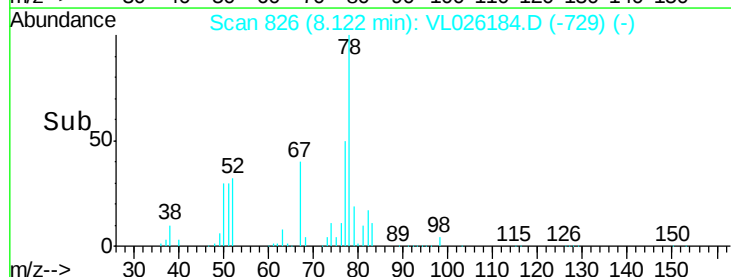
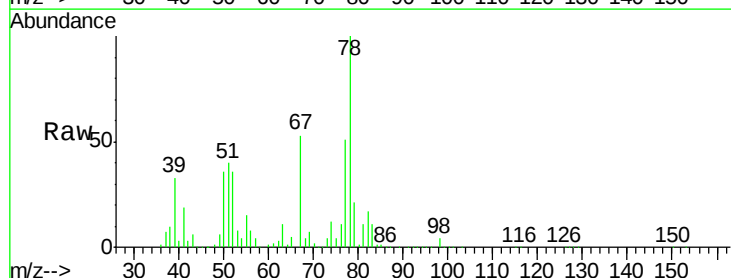
Manual Integrations
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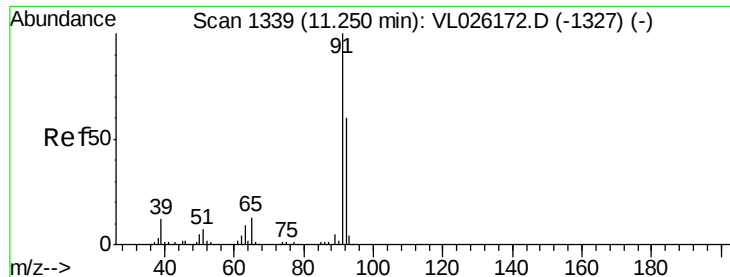
MMdadoda
 10/12/2015 1:24:30 PM



#36
 Benzene
 Concen: 520.46 ppbv
 RT: 8.12 min Scan# 826
 Delta R.T. 0.09 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	50.3	18.2	27.4#
50	35.3	13.4	20.2#





#53

Toluene

Concen: 2098.99 ppbv m

RT: 11.83 min Scan# 1434

Delta R.T. 0.58 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 91 Resp:19539805

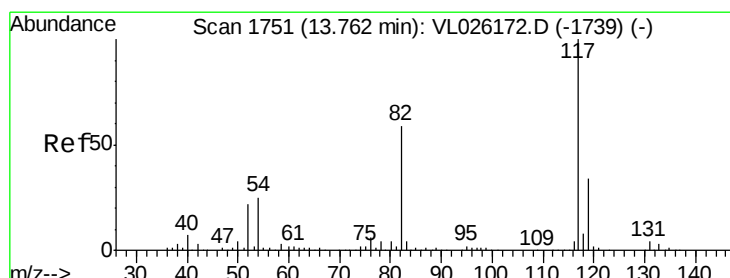
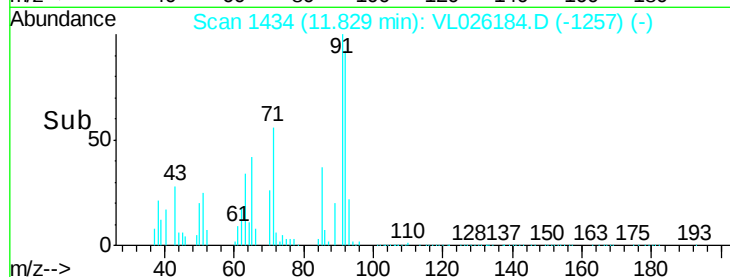
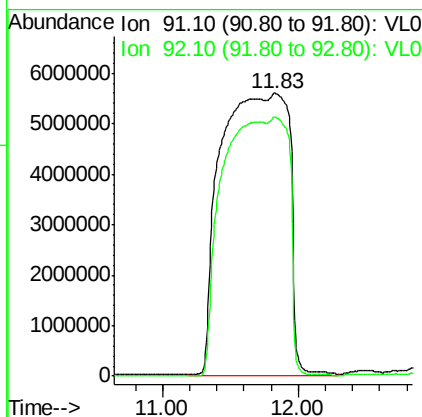
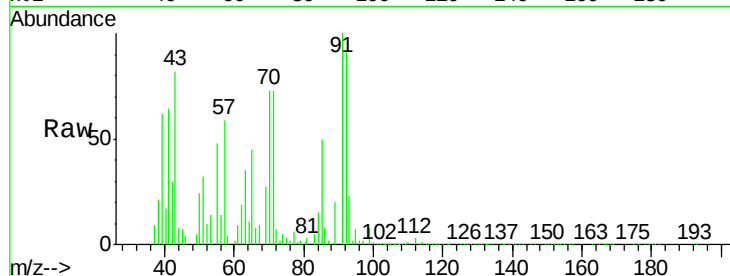
Ion Ratio Lower Upper

91 100

92 56.8 48.5 72.7

Manual Integrations
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MMdadoda
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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 14.08 min Scan# 1804

Delta R.T. 0.32 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

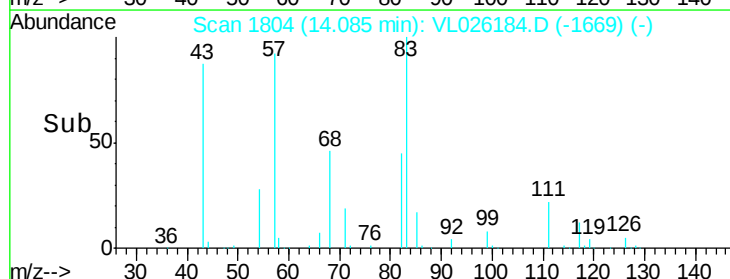
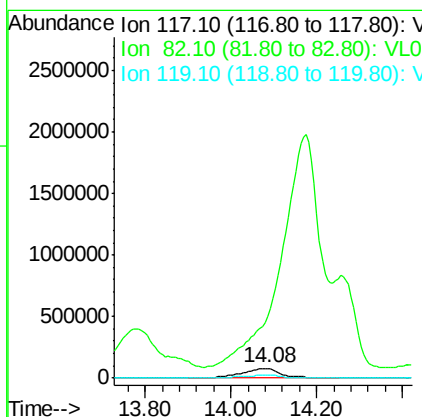
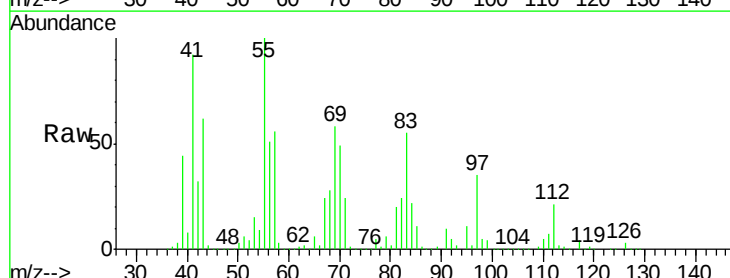
Tgt Ion:117 Resp: 496981

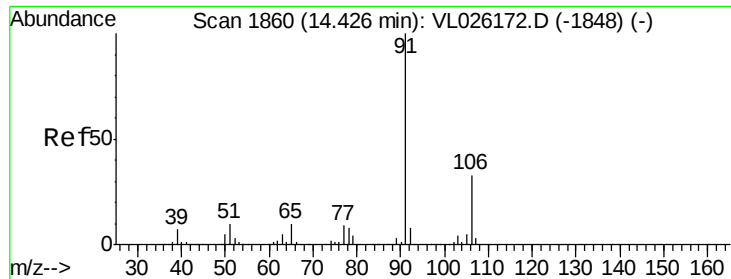
Ion Ratio Lower Upper

117 100

82 0.0 47.7 71.5#

119 32.1 43.7 65.5#





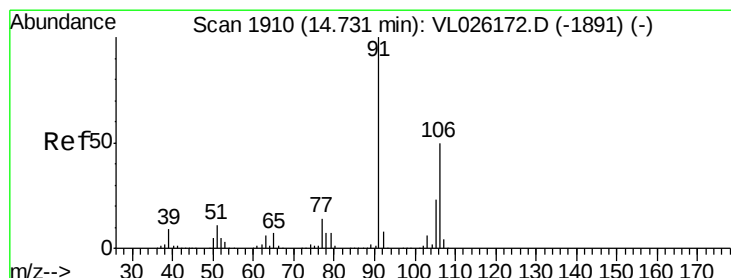
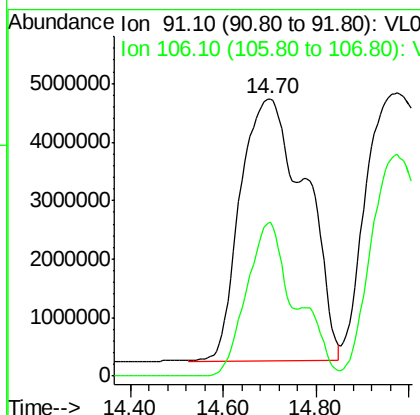
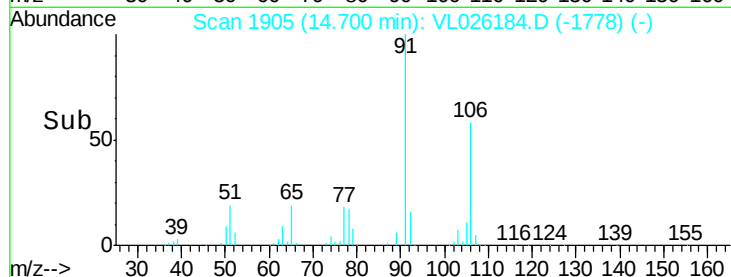
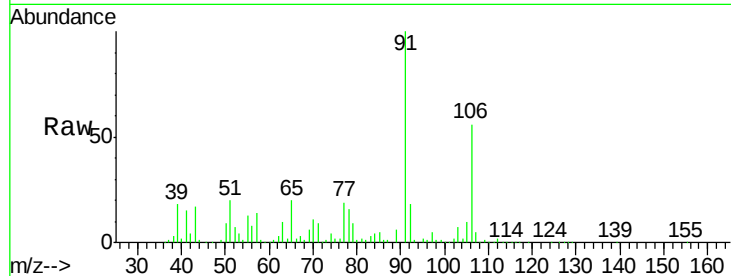
#58
Ethyl Benzene
Concen: 605.58 ppbv m
RT: 14.70 min Scan# 1905
Delta R.T. 0.27 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion: 91 Resp:43715862
Ion Ratio Lower Upper
91 100
106 55.5 26.1 39.1#

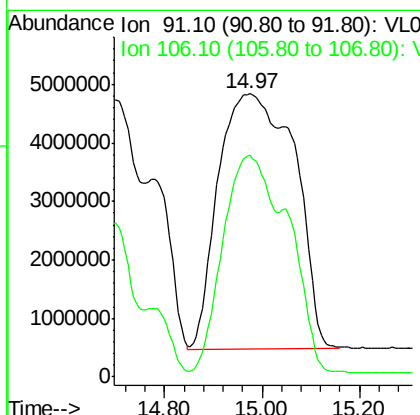
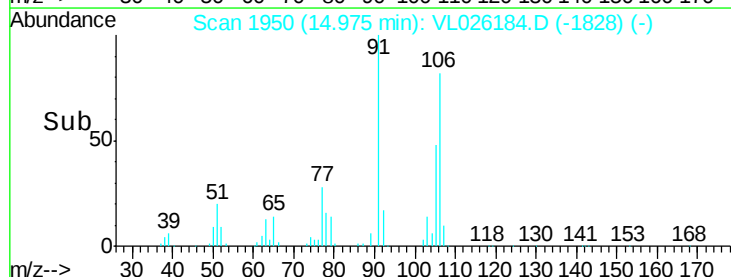
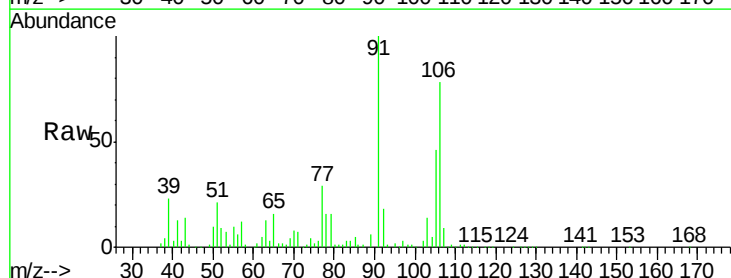
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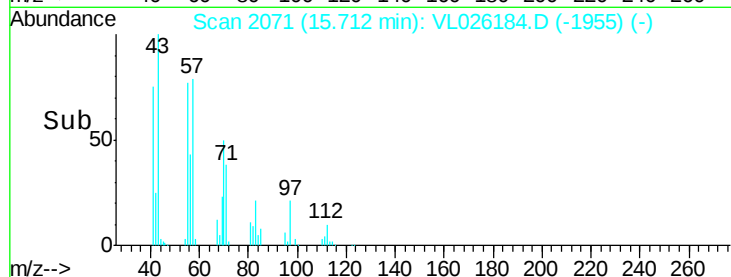
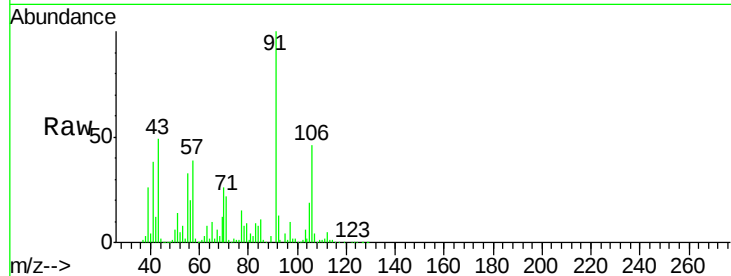
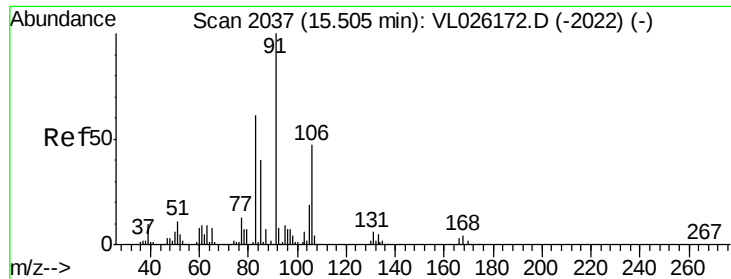
MMdadoda
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#59
m/p-Xylene
Concen: 818.54 ppbv m
RT: 14.97 min Scan# 1950
Delta R.T. 0.24 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 91 Resp:47419529
Ion Ratio Lower Upper
91 100
106 0.0 40.2 60.4#





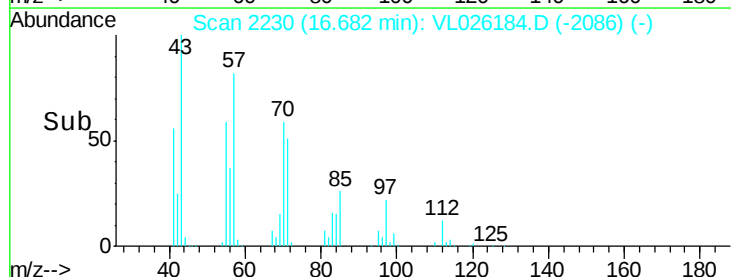
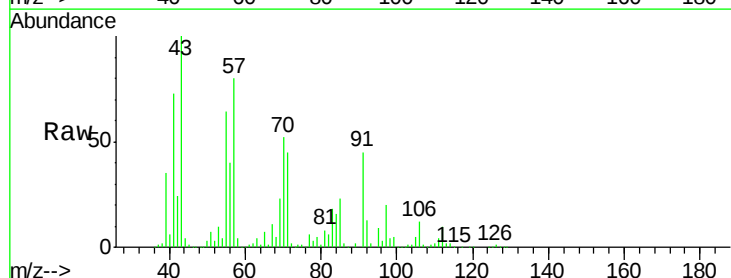
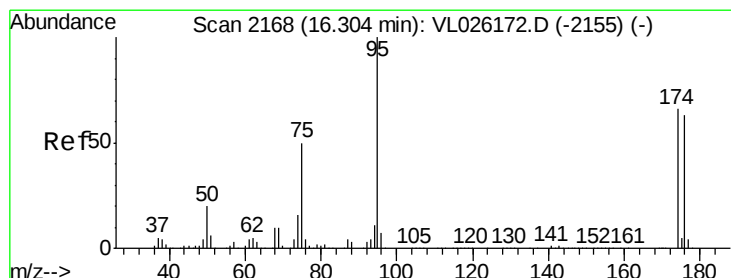
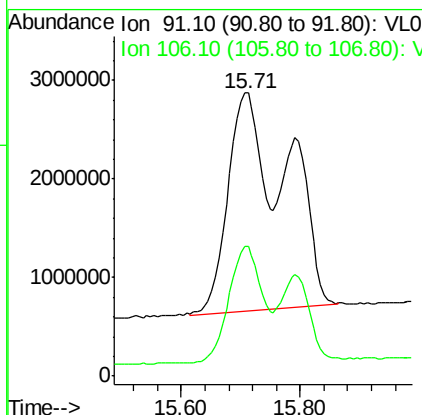
#60
o-Xylene
Concen: 245.47 ppbv m
RT: 15.71 min Scan# 2071
Delta R.T. 0.21 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tot Ion: 91 Resp: 14902213
Ion Ratio Lower Upper
91 100
106 17.7 23.4 70.3#

Instrument :
MSVOA_L
ClientSampled :
SS-1

Manual Integrations
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MMdadoda
10/12/2015 1:24:30 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 0.02 ppbv
RT: 16.68 min Scan# 2230
Delta R.T. 0.38 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 95 Resp: 796
Ion Ratio Lower Upper
95 100
174 0.0 52.2 78.4#
175 0.0 3.9 5.9#

