

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025757.D
 Acq On : 27 Jul 2015 17:33
 Operator : SY/MD
 Sample : G3092-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-221-BDUP

Manual Integrations
 APPROVED

MMDadoda
 7/28/2015 12:56:59 PM

Quant Time: Jul 28 11:18:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	880616	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	2265880	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	2628949	10.00	ppbv	0.05

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	16.32	95	1975344	8.91	ppbv	0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.64	85	60823	0.27	ppbv	91
3) Chlorodifluoromethane	3.57	51	114215m	0.92	ppbv	
4) Chloromethane	3.75	50	29008	0.51	ppbv	98
9) Propene	3.60	41	285151m	6.92	ppbv	
10) Heptane	9.35	43	46515	0.29	ppbv	96
11) Trichlorofluoromethane	4.70	101	59646	0.20	ppbv	96
13) Ethanol	4.32	45	302252	47.15	ppbv	97
15) Acetone	4.60	43	1135089	7.30	ppbv	99
17) tert-Butyl alcohol	5.15	59	24093	0.18	ppbv	95
19) Isopropyl Alcohol	4.76	45	305229	4.92	ppbv #	1
20) Methylene Chloride	5.15	84	433018	6.85	ppbv	99
25) Ethyl Acetate	6.67	43	146185	0.62	ppbv #	85
26) Hexane	6.66	57	179909	1.62	ppbv #	51
27) Carbon Disulfide	5.39	76	21526	0.12	ppbv #	62
29) Chloroform	6.75	83	26876	0.12	ppbv	93
30) Cyclohexane	8.29	84	56395	0.53	ppbv #	36
34) 2-Butanone	6.21	43	79918	0.62	ppbv	97
35) Carbon Tetrachloride	8.16	117	14225	0.06	ppbv	87
36) Benzene	8.02	78	68032	0.31	ppbv	97
38) Trichloroethene	9.07	130	79166	0.78	ppbv	93
41) Tetrahydrofuran	7.15	42	22298	0.35	ppbv #	84
44) 2,2,4-Trimethylpentane	9.09	57	160477	0.43	ppbv #	77
50) 4-Methyl-2-Pentanone	10.10	43	583145	3.15	ppbv	99
52) Tetrachloroethene	12.92	164	47766587	438.87	ppbv	87
53) Toluene	11.24	91	355177	1.16	ppbv	100
58) Ethyl Benzene	14.46	91	142654	0.33	ppbv	97
59) m/p-Xylene	14.74	91	341872	0.90	ppbv	98
60) o-Xylene	15.53	91	236061	0.57	ppbv	99
61) Styrene	15.36	104	13980m	0.10	ppbv	
62) Isopropylbenzene	16.57	105	63929	0.12	ppbv	100
64) n-propylbenzene	17.55	120	99342	0.68	ppbv	94
72) 4-Ethyltoluene	17.84	105	592487	1.30	ppbv	98
73) 1,3,5-Trimethylbenzene	18.01	105	436058	0.98	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	1452995	2.91	ppbv #	68
79) Naphthalene	23.94	128	91878	0.19	ppbv	98

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

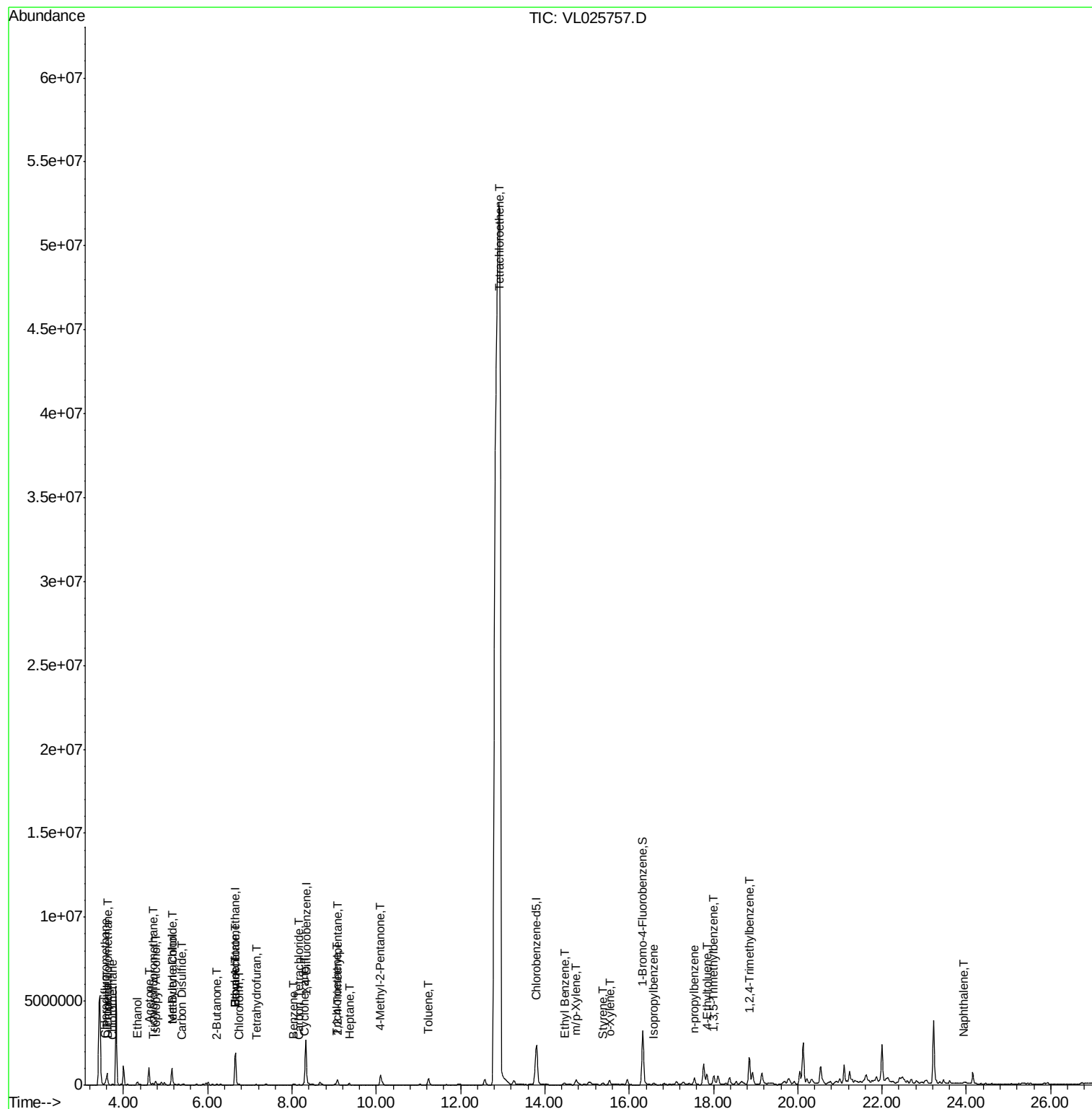
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025757.D
Acq On : 27 Jul 2015 17:33
Operator : SY/MD
Sample : G3092-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

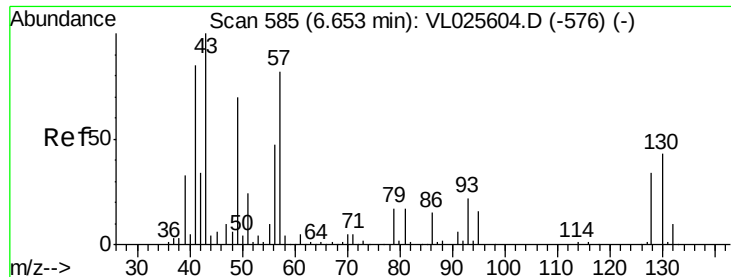
Instrument :
MSVOA_L
ClientSampleId :
A-221-BDUP

Manual Integrations
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7/28/2015 12:56:59 PM

Quant Time: Jul 28 11:18:20 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion: 49 Resp: 880616
Ion Ratio Lower Upper

49 100

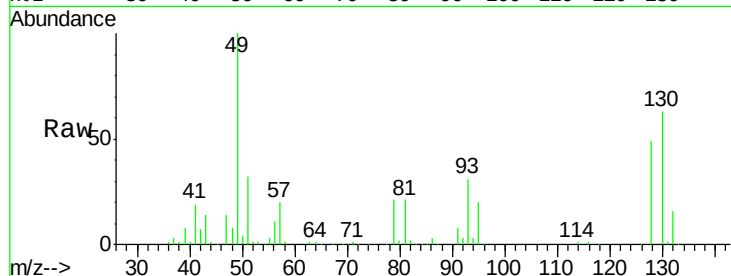
128 49.2 25.4 76.0

130 63.7 31.9 95.9

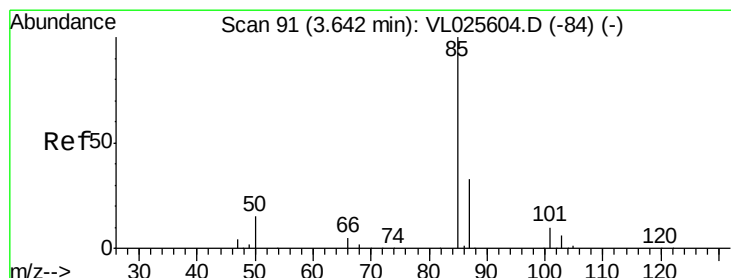
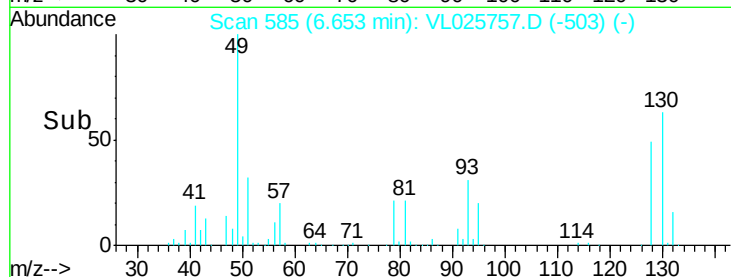
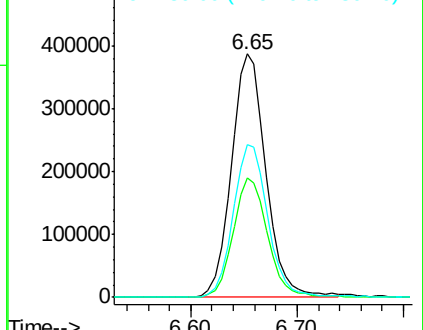
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.27 ppbv

RT: 3.64 min Scan# 91

Delta R.T. -0.00 min

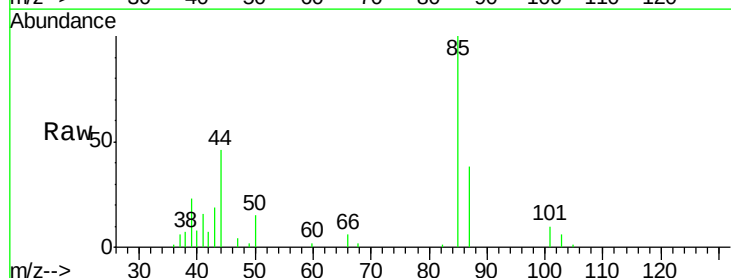
Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

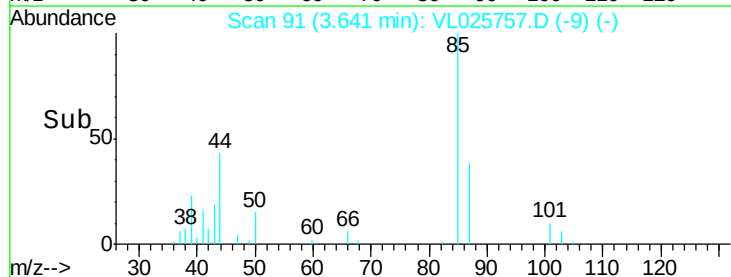
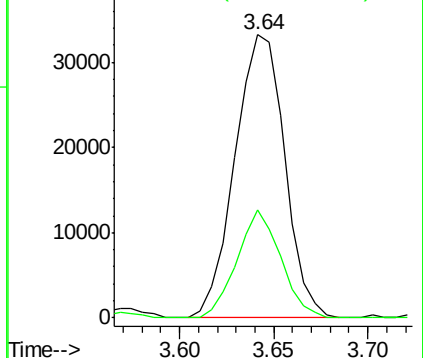
Tgt Ion: 85 Resp: 60823
Ion Ratio Lower Upper

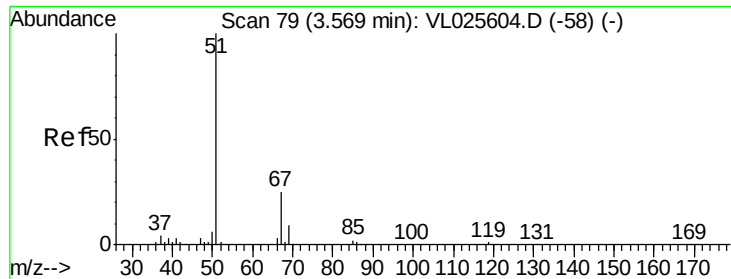
85 100

87 38.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.92 ppbv m

RT: 3.57 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion: 51 Resp: 114215

Ion Ratio Lower Upper

51 100

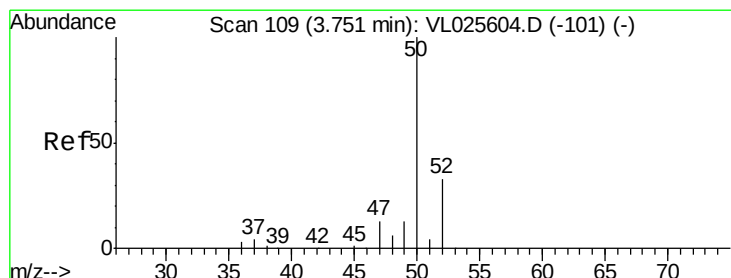
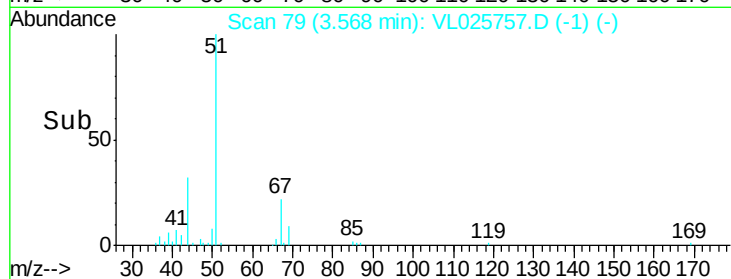
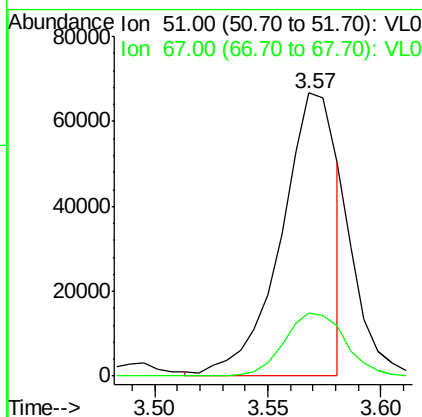
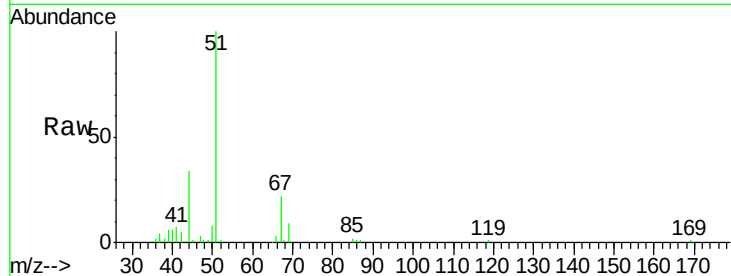
67 24.4 19.5 29.3

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#4

Chloromethane

Concen: 0.51 ppbv

RT: 3.75 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL025757.D

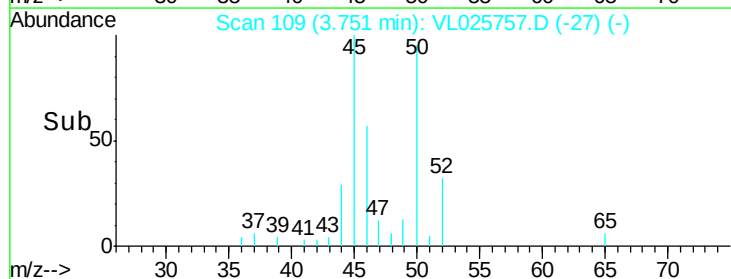
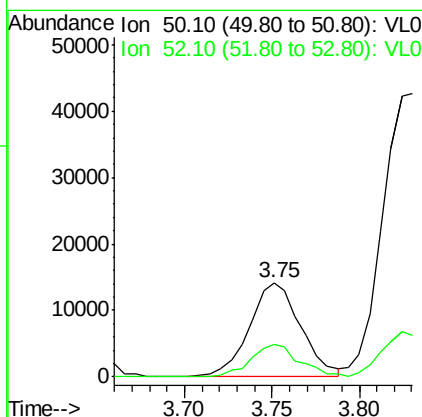
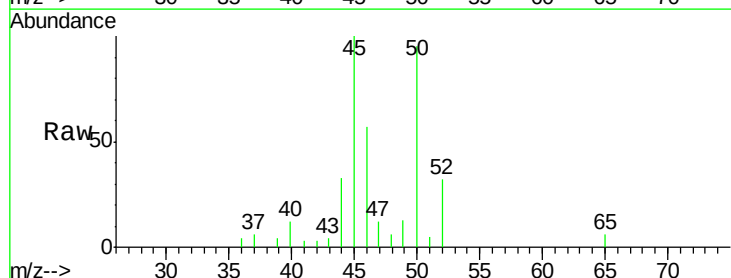
Acq: 27 Jul 2015 17:33

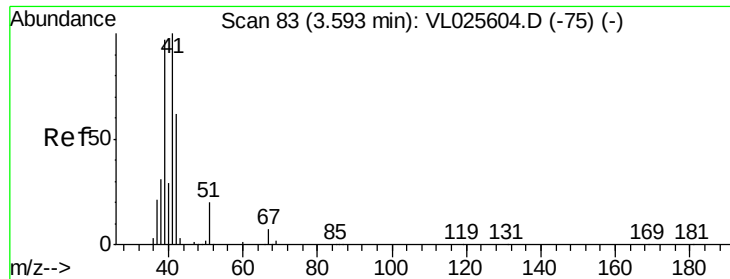
Tgt Ion: 50 Resp: 29008

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.2





#9

Propene

Concen: 6.92 ppbv m

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

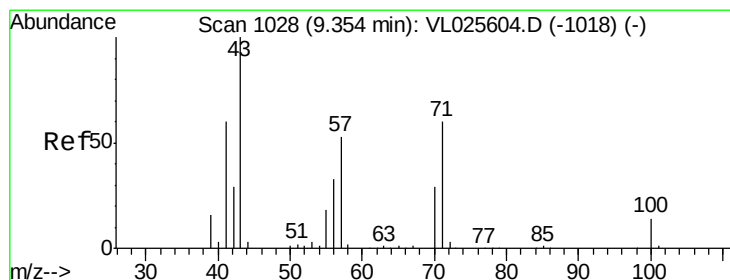
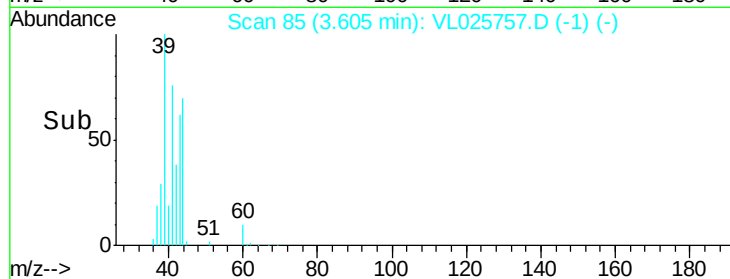
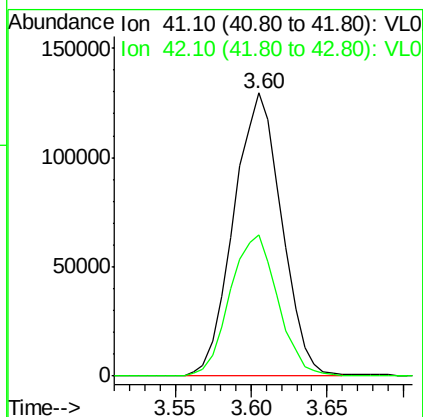
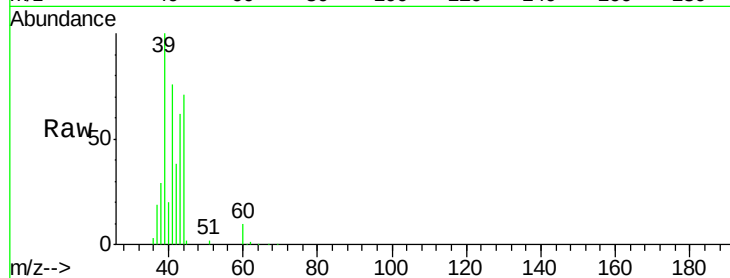
ClientSampled :

A-221-BDUP

Tgt Ion: 41 Resp: 285151
 Ion Ratio Lower Upper
 41 100
 42 503.7 52.4 78.6#

Manual Integrations
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#10

Heptane

Concen: 0.29 ppbv

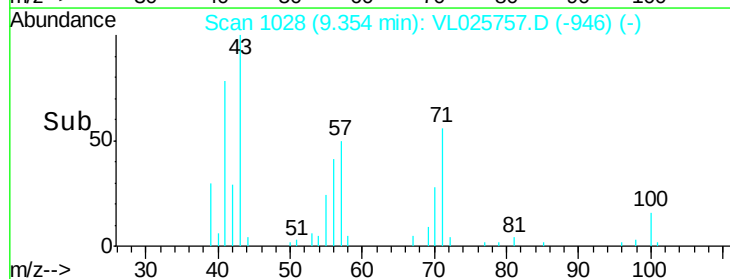
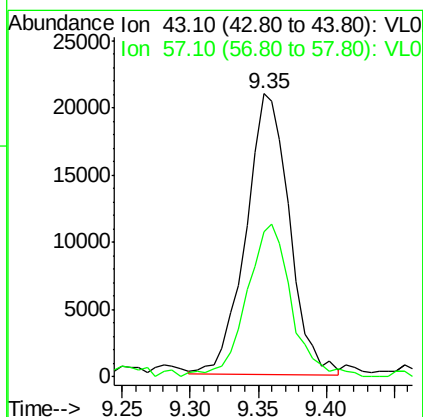
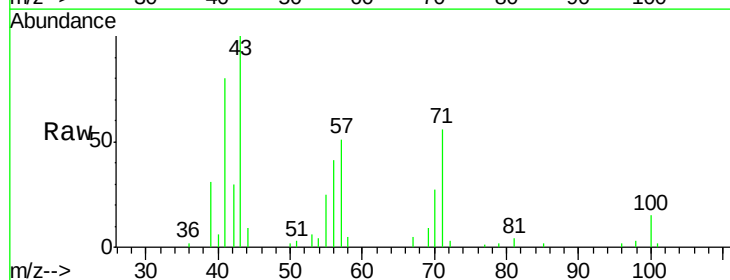
RT: 9.35 min Scan# 1028

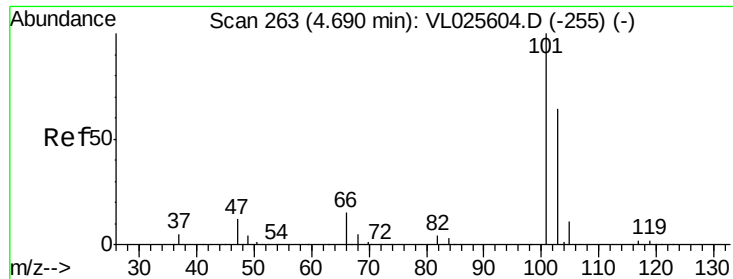
Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Tgt Ion: 43 Resp: 46515
 Ion Ratio Lower Upper
 43 100
 57 56.2 42.6 64.0





#11

Trichlorofluoromethane

Concen: 0.20 ppbv

RT: 4.70 min Scan# 264

Delta R.T. 0.01 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion: 101 Resp: 59646

Ion Ratio Lower Upper

101 100

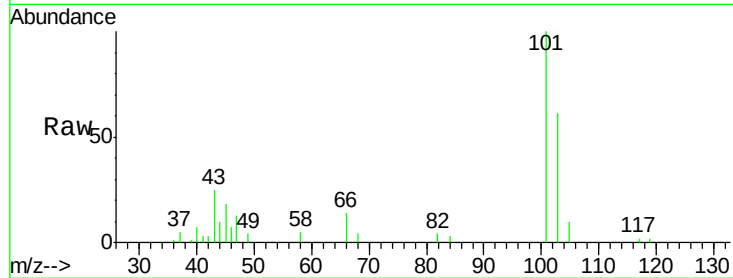
103 61.4 51.4 77.2

Manual Integrations

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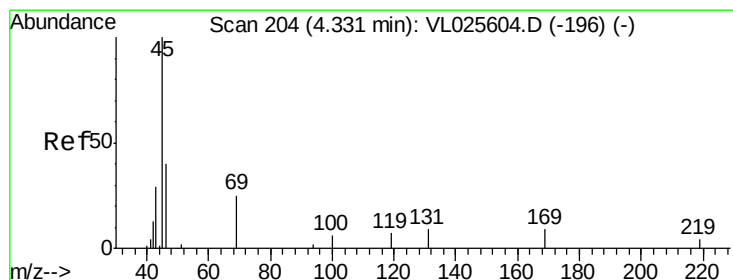
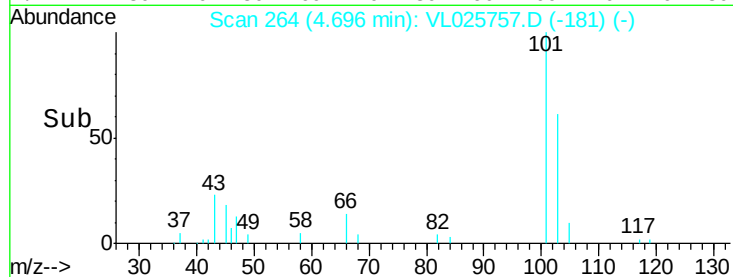
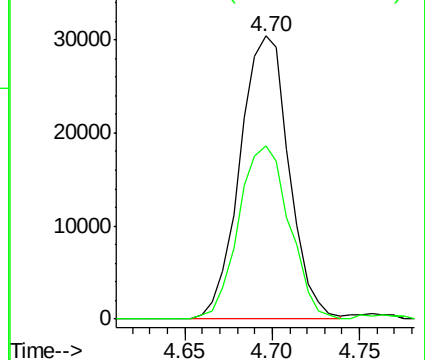
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 47.15 ppbv

RT: 4.32 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL025757.D

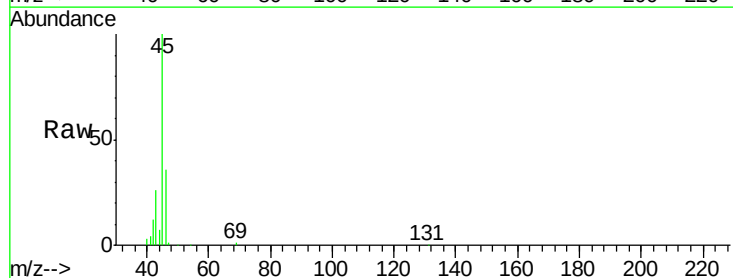
Acq: 27 Jul 2015 17:33

Tgt Ion: 45 Resp: 302252

Ion Ratio Lower Upper

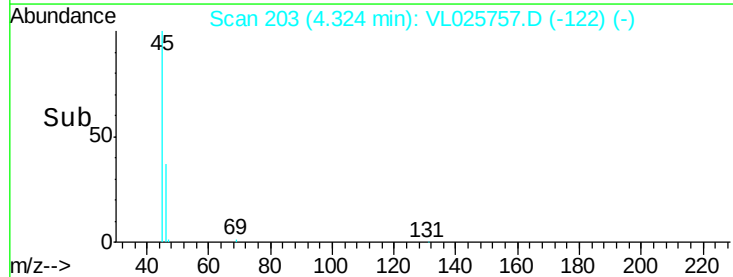
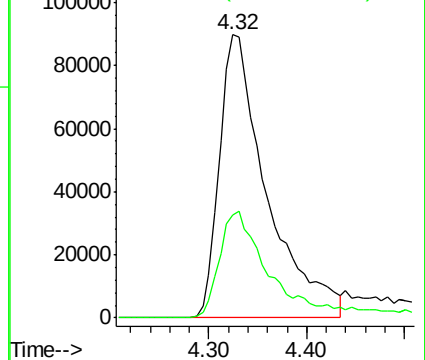
45 100

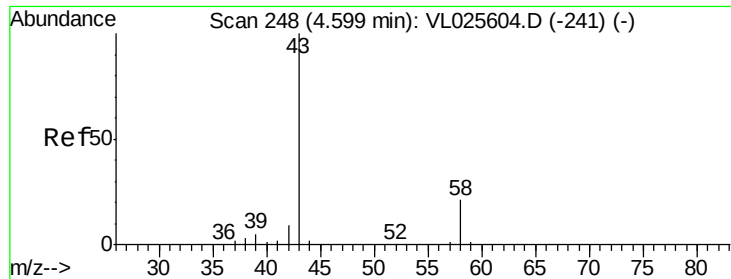
46 41.9 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 7.30 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion: 43 Resp: 1135089

Ion Ratio Lower Upper

43 100

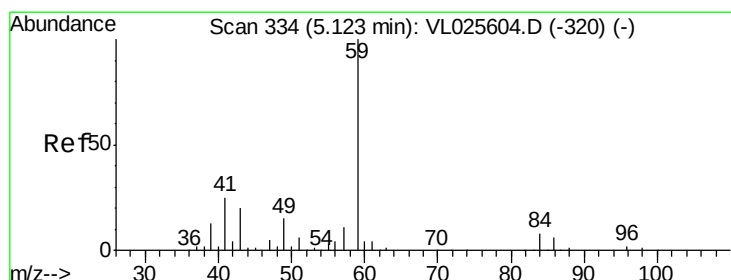
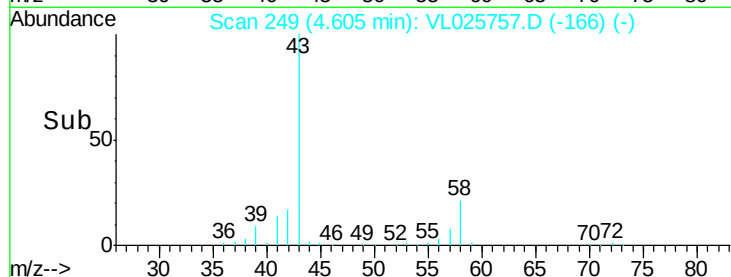
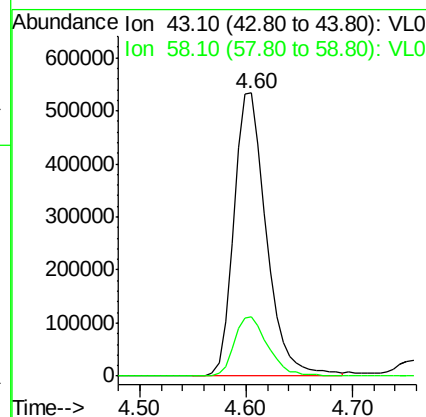
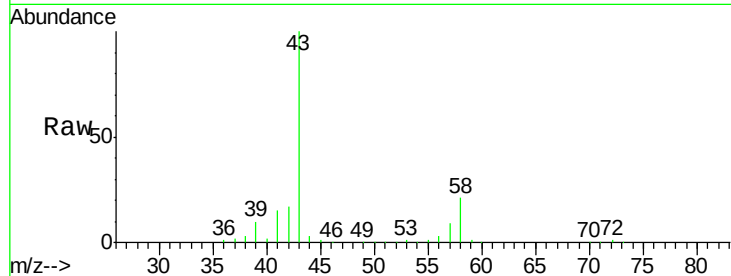
58 22.2 17.2 25.8

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 0.18 ppbv

RT: 5.15 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL025757.D

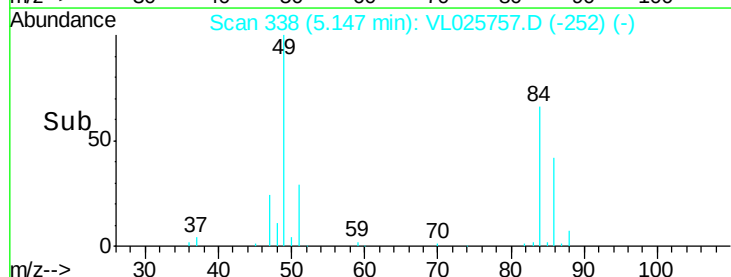
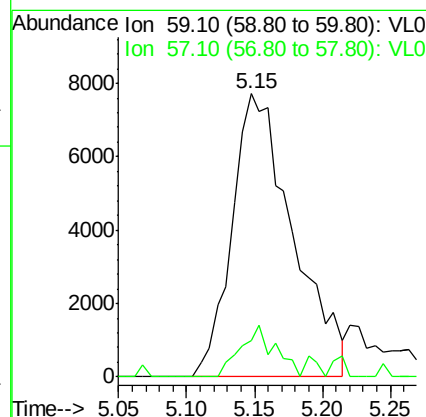
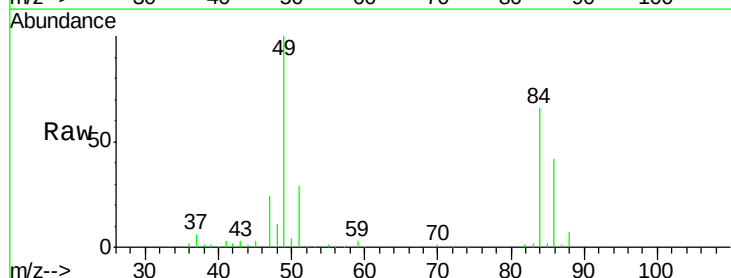
Acq: 27 Jul 2015 17:33

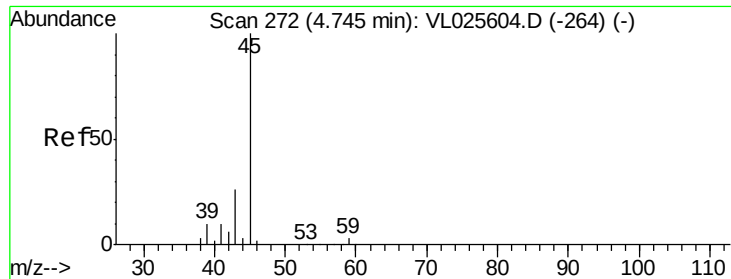
Tgt Ion: 59 Resp: 24093

Ion Ratio Lower Upper

59 100

57 13.7 9.4 14.2





#19

Isopropyl Alcohol

Concen: 4.92 ppbv

RT: 4.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion: 45 Resp: 305229

Ion Ratio Lower Upper

45 100

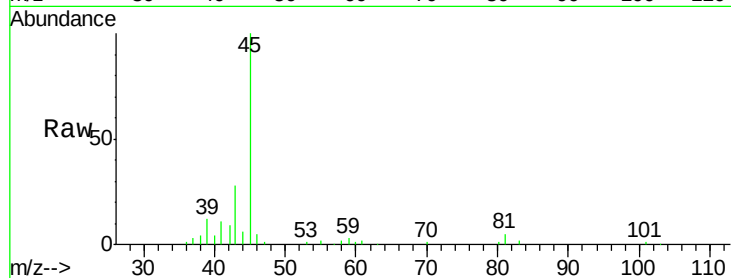
58 82.6 1.1 1.7#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.76

120000

100000

80000

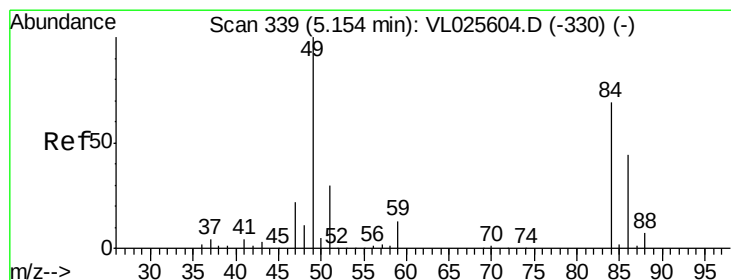
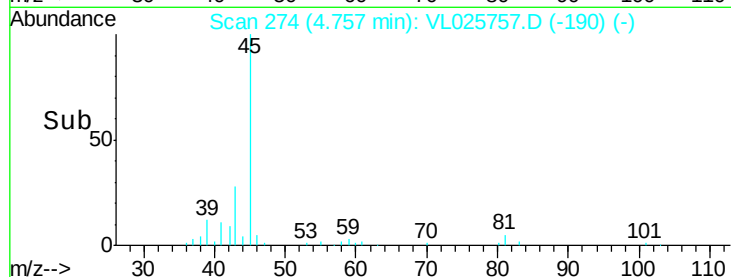
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 6.85 ppbv

RT: 5.15 min Scan# 339

Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Tgt Ion: 84 Resp: 433018

Ion Ratio Lower Upper

84 100

49 143.6 115.2 172.8

51 42.9 35.0 52.6

86 63.9 50.6 76.0

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

400000

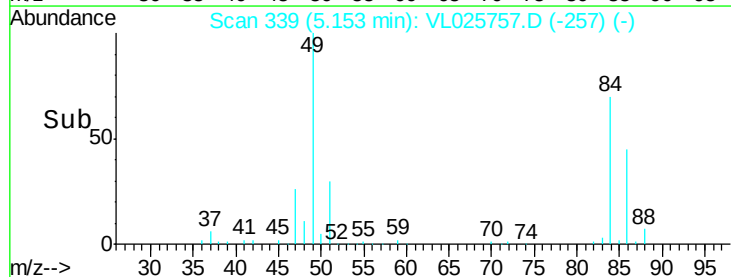
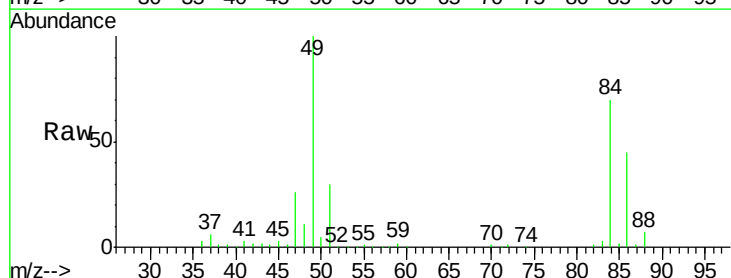
300000

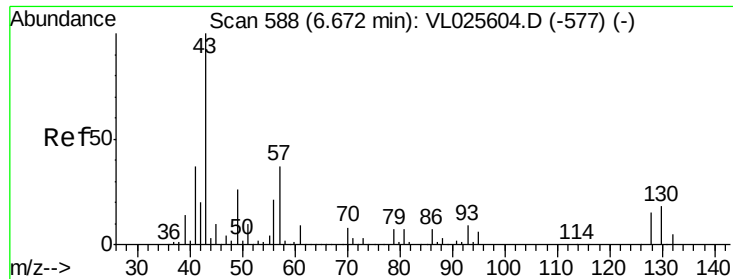
200000

100000

0

Time-->





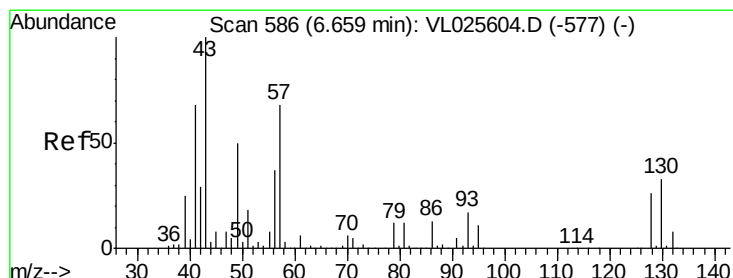
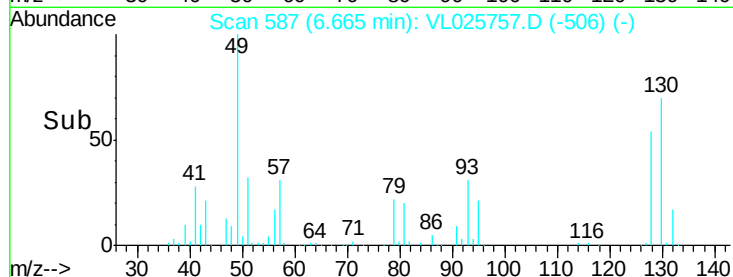
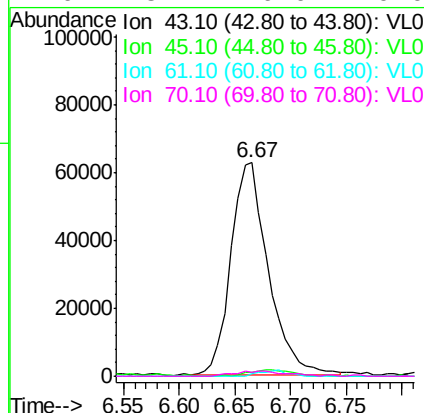
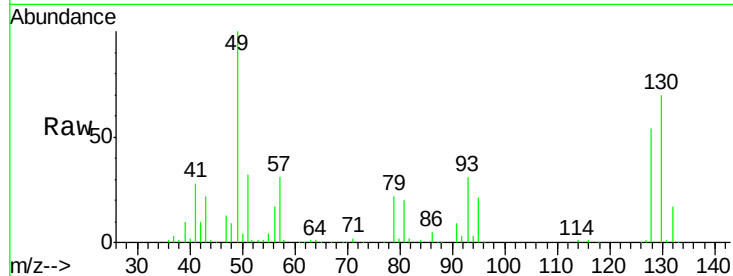
#25
Ethyl Acetate
Concen: 0.62 ppbv
RT: 6.67 min Scan# 587
Delta R.T. -0.01 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Instrument :
MSVOA_L
ClientSampled :
A-221-BDUP

Tgt Ion	Ratio	Lower	Upper
43	100		
45	3.5	7.5	11.3#
61	2.1	6.6	10.0#
70	3.7	6.0	9.0#

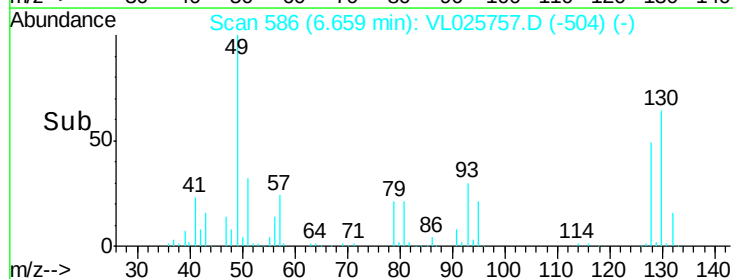
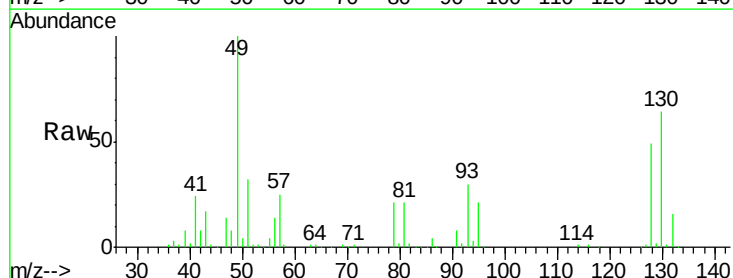
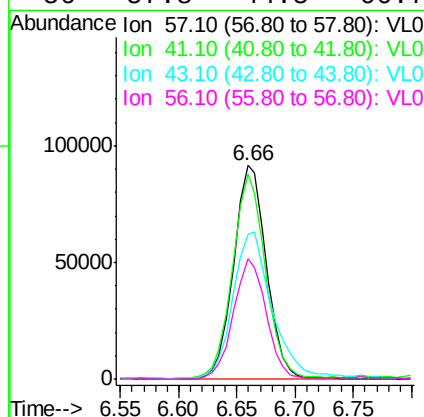
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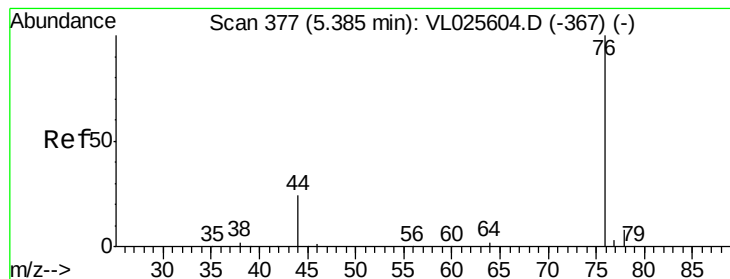
MMDadoda
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#26
Hexane
Concen: 1.62 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.00 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.7	81.4	122.2
43	83.1	171.4	257.2#
56	57.8	44.5	66.7





#27

Carbon Disulfide

Concen: 0.12 ppbv

RT: 5.39 min Scan# 378

Delta R.T. 0.01 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

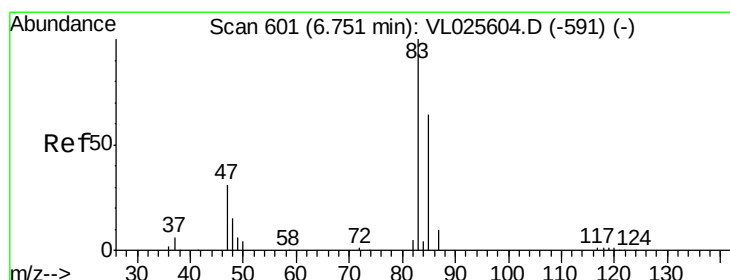
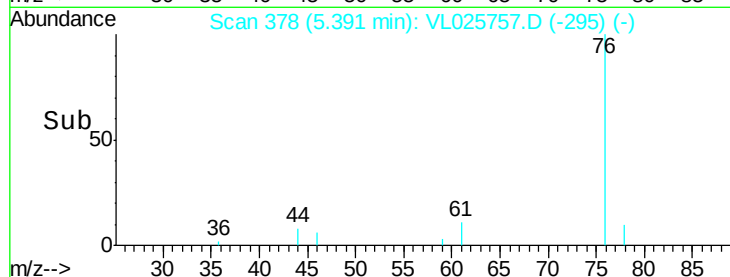
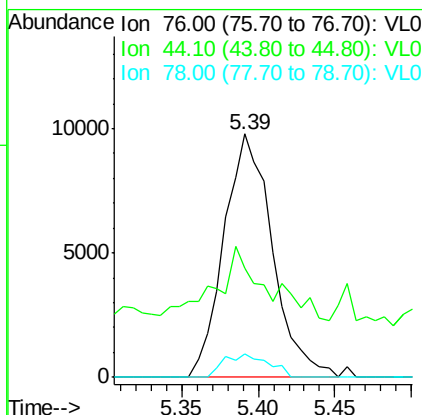
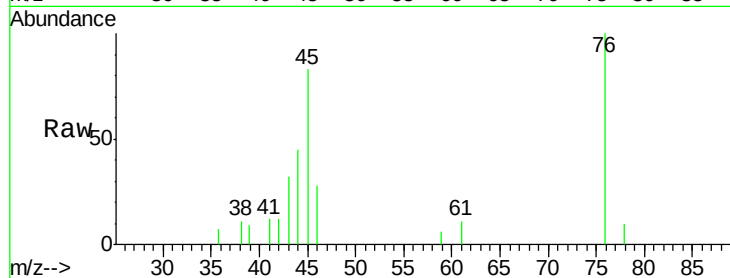
ClientSampled :

A-221-BDUP

Tgt Ion:	76	Resp:	21526
Ion Ratio	Lower	Upper	
76	100		
44	51.4	20.2	30.4#
78	8.7	7.4	11.2

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#29

Chloroform

Concen: 0.12 ppbv

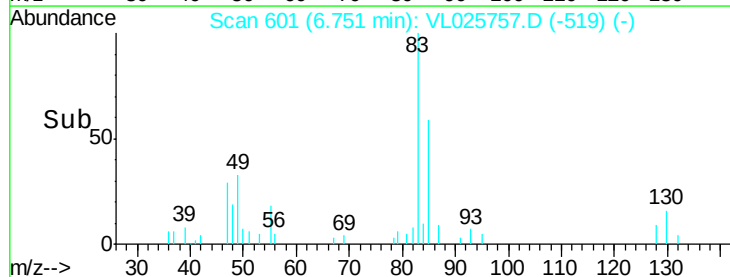
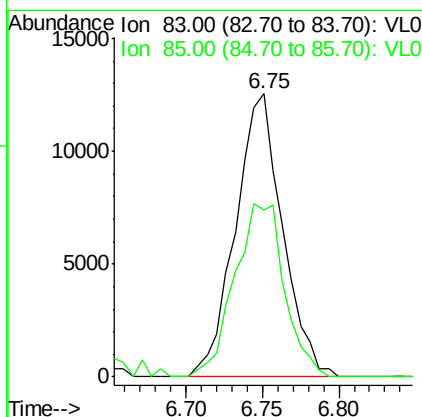
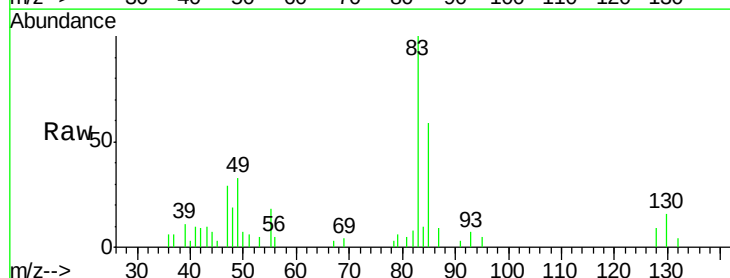
RT: 6.75 min Scan# 601

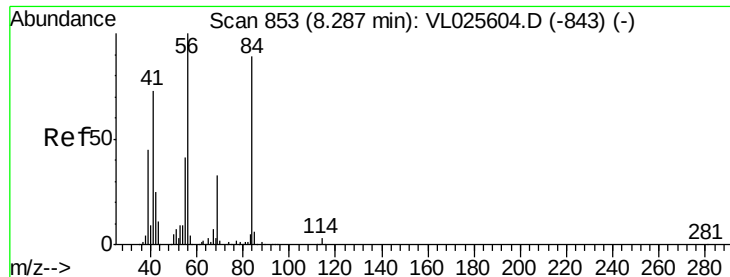
Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Tgt Ion:	83	Resp:	26876
Ion Ratio	Lower	Upper	
83	100		
85	58.8	51.6	77.4





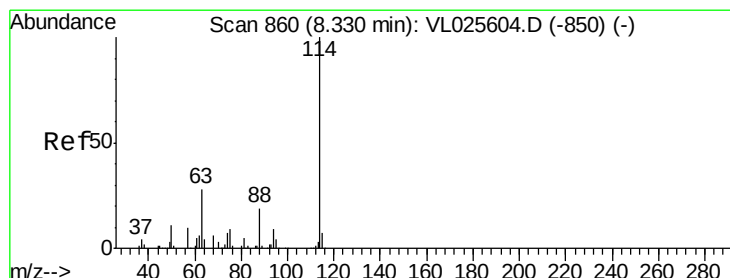
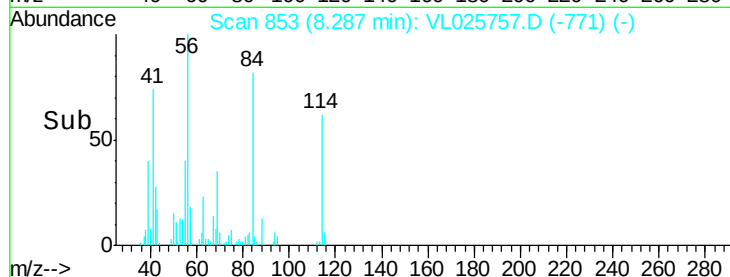
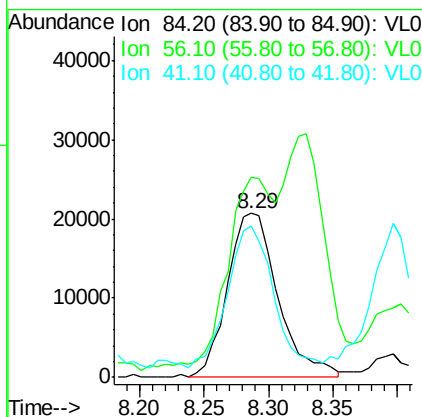
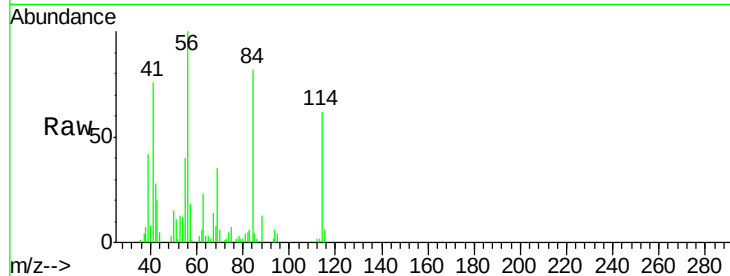
#30
Cyclohexane
Concen: 0.53 ppbv
RT: 8.29 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDUP

Tgt Ion	Ratio	Lower	Upper
84	100		
56	236.0	97.5	146.3#
41	88.0	65.4	98.2

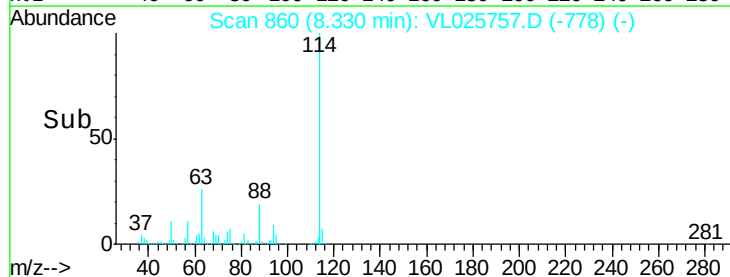
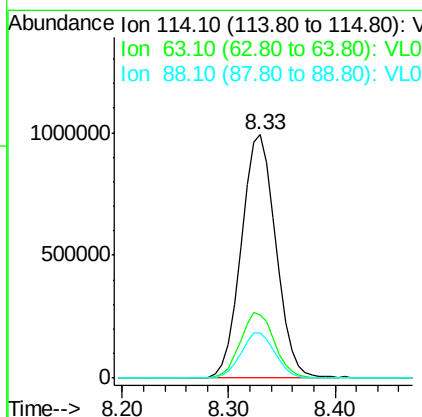
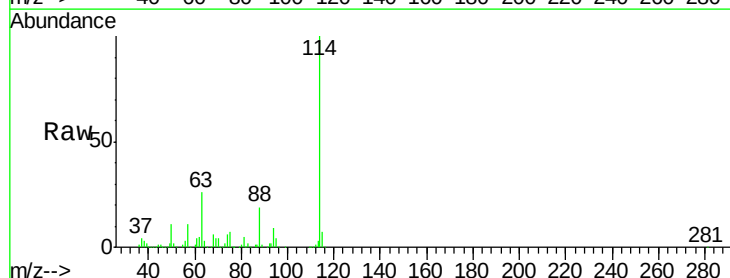
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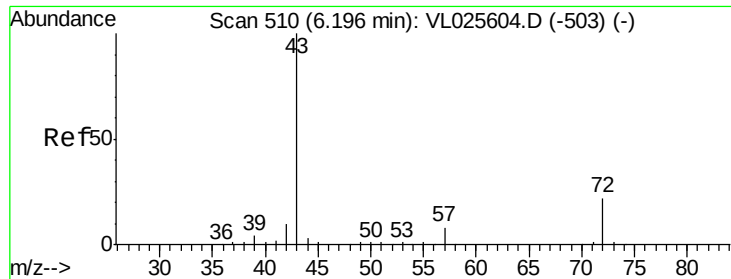
MMDadoda
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	22.4	33.6
88	18.5	15.0	22.4





#34

2-Butanone

Concen: 0.62 ppbv

RT: 6.21 min Scan# 512

Delta R.T. 0.01 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion: 43 Resp: 79918

Ion Ratio Lower Upper

43 100

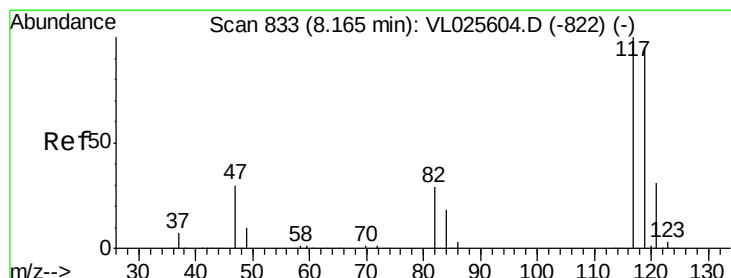
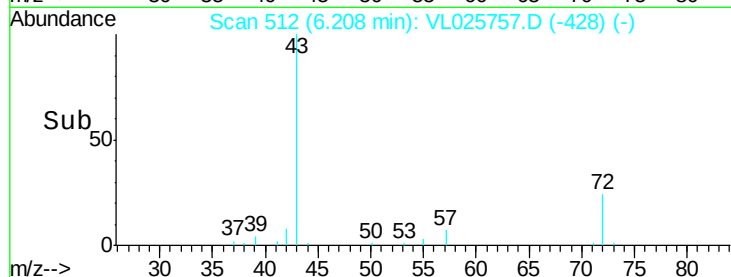
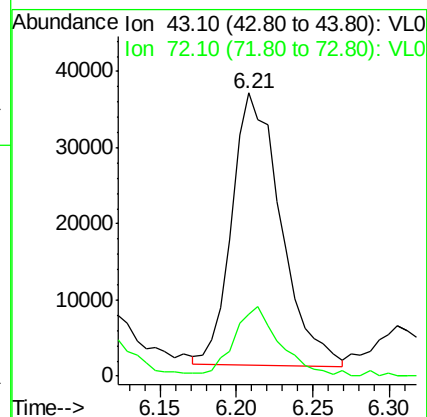
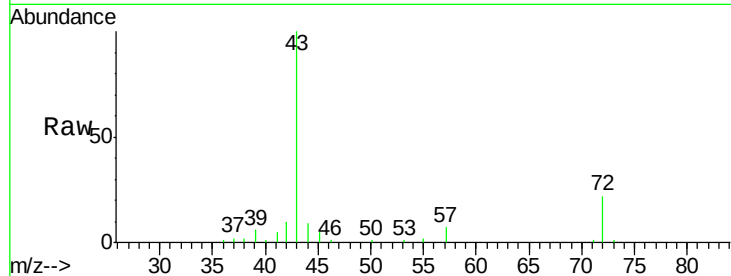
72 24.7 18.6 28.0

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#35

Carbon Tetrachloride

Concen: 0.06 ppbv

RT: 8.16 min Scan# 833

Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

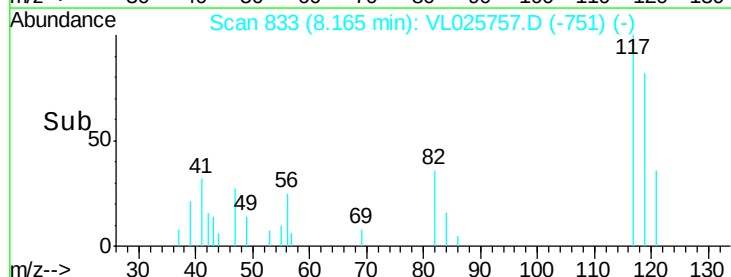
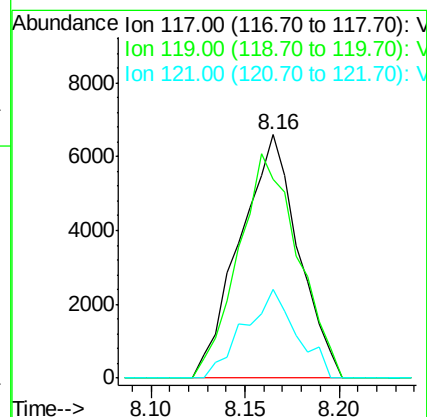
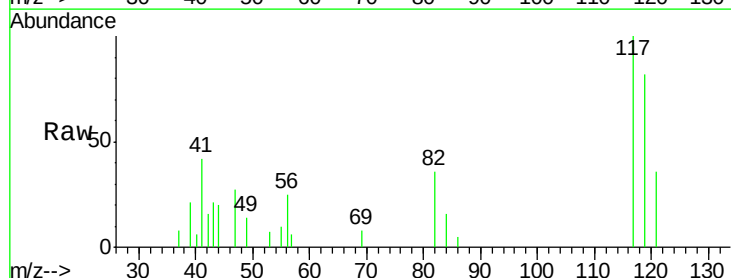
Tgt Ion: 117 Resp: 14225

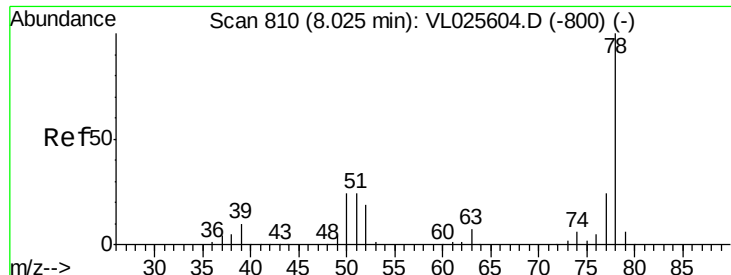
Ion Ratio Lower Upper

117 100

119 81.7 75.9 113.9

121 36.5 24.4 36.6





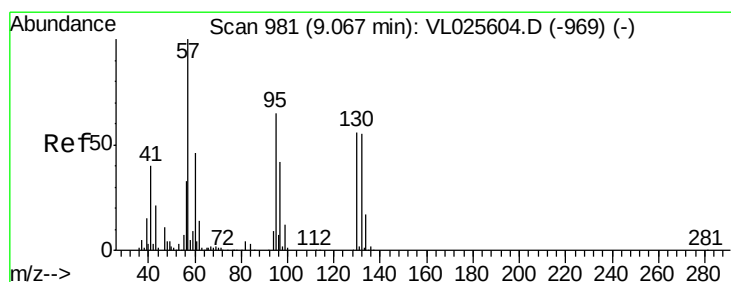
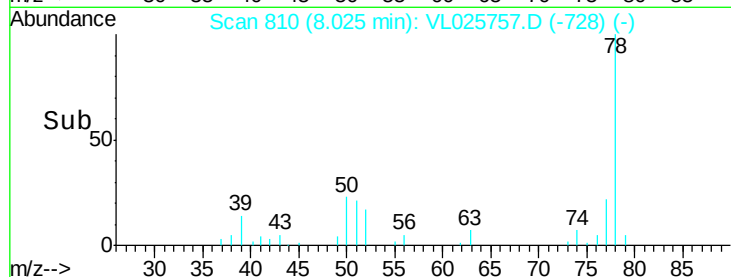
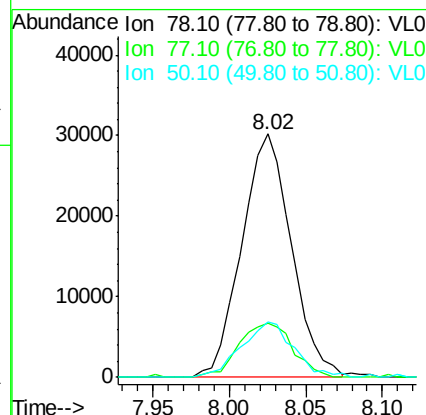
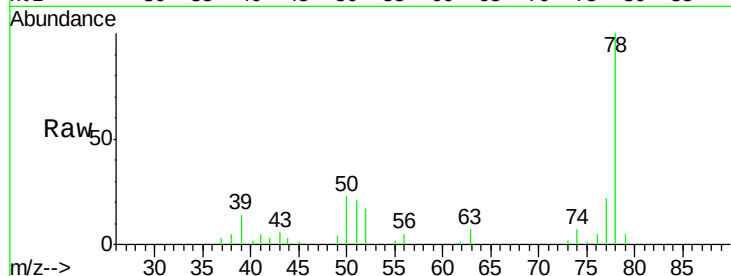
#36
Benzene
Concen: 0.31 ppbv
RT: 8.02 min Scan# 810
Delta R.T. -0.00 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDUP

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.4
50	22.5	19.2	28.8

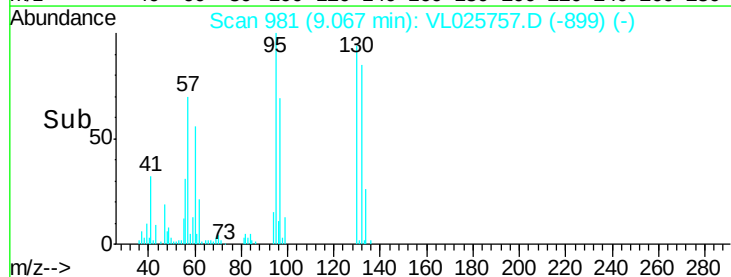
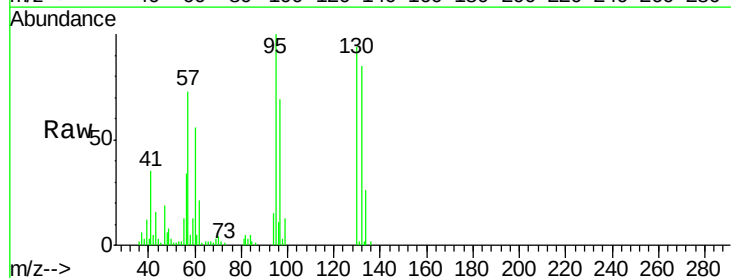
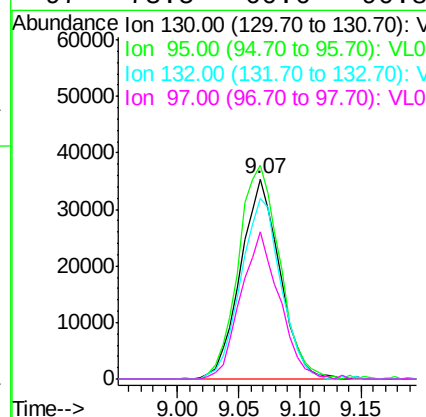
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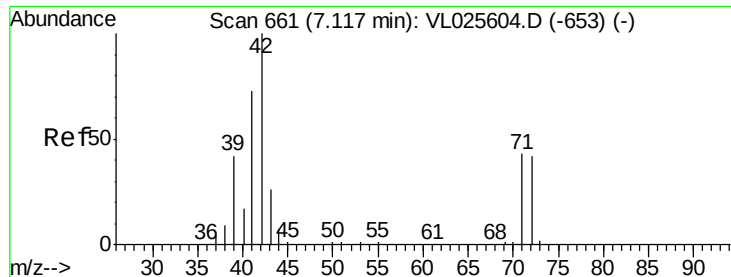
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#38
Trichloroethene
Concen: 0.78 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.00 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.7	94.2	141.4
132	90.5	78.6	118.0
97	73.5	60.6	90.8





#41

Tetrahydrofuran

Concen: 0.35 ppbv

RT: 7.15 min Scan# 666

Delta R.T. 0.03 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

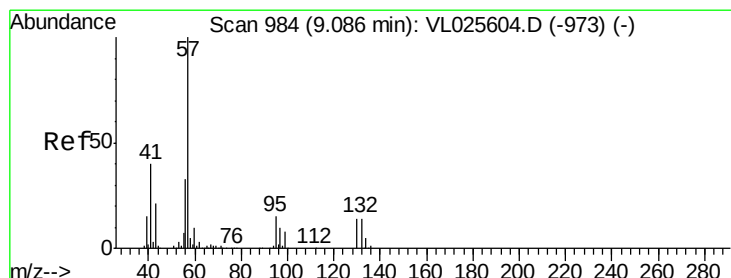
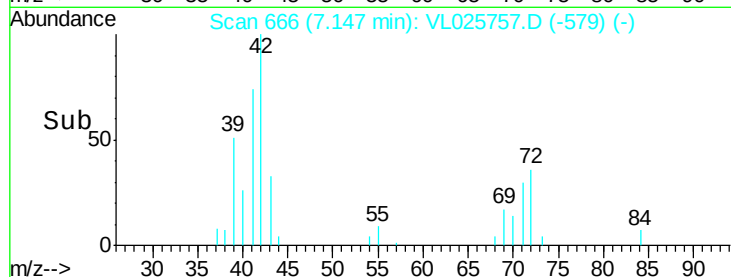
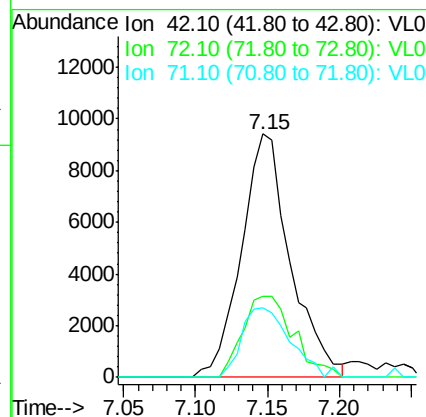
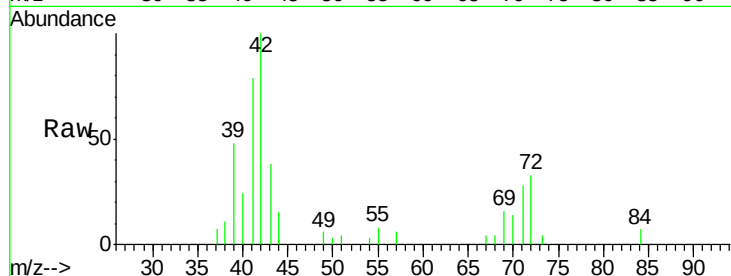
ClientSampleId :

A-221-BDUP

Tgt Ion:	42	Resp:	22298
Ion Ratio	Lower	Upper	
42	100		
72	34.6	34.0	51.0
71	28.5	33.0	49.6#

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#44

2,2,4-Trimethylpentane

Concen: 0.43 ppbv

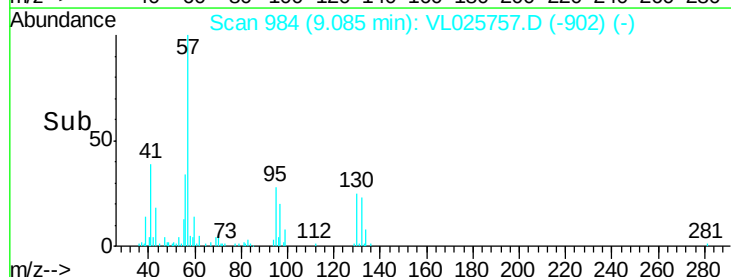
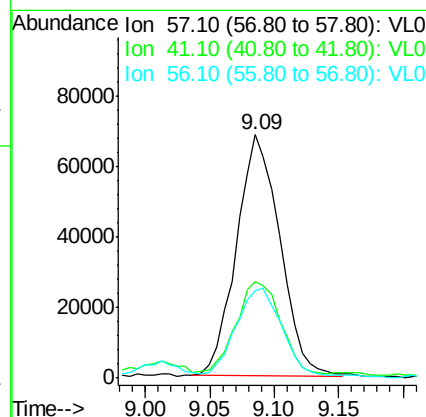
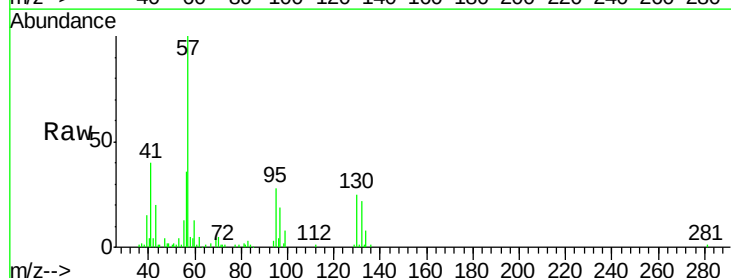
RT: 9.09 min Scan# 984

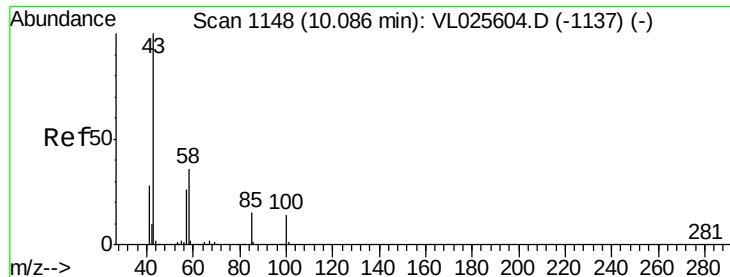
Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Tgt Ion:	57	Resp:	160477
Ion Ratio	Lower	Upper	
57	100		
41	50.1	31.2	46.8#
56	47.9	25.4	38.2#





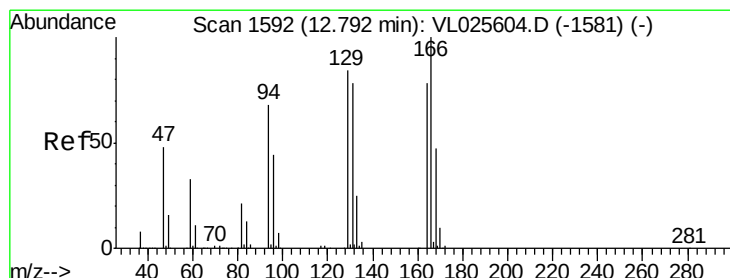
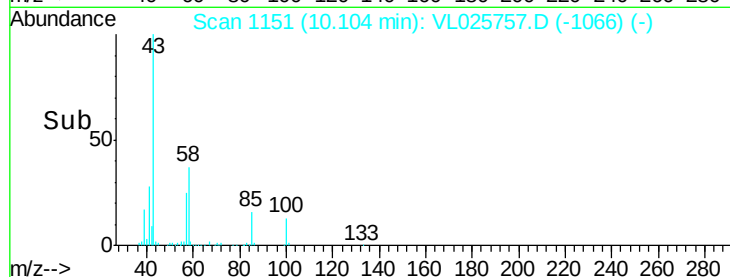
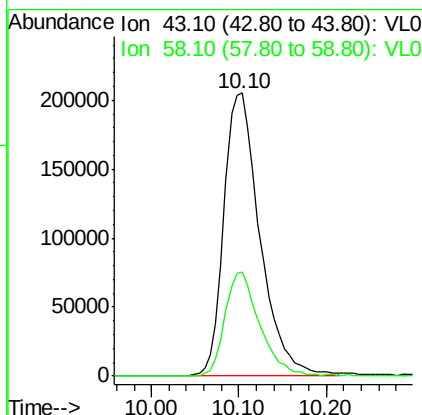
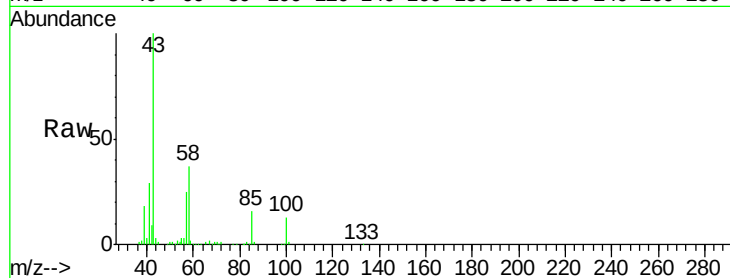
#50
4-Methyl-2-Pentanone
Concen: 3.15 ppbv
RT: 10.10 min Scan# 1151
Delta R.T. 0.02 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDUP

Tgt Ion: 43 Resp: 583145
Ion Ratio Lower Upper
43 100
58 36.0 28.5 42.7

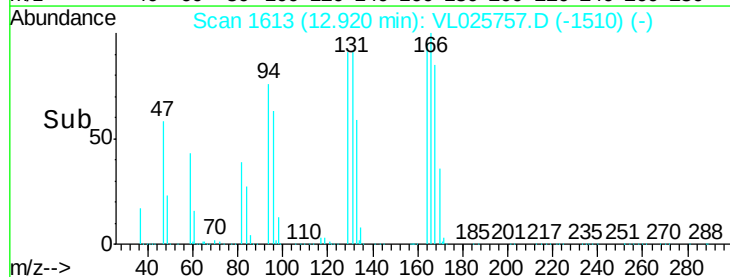
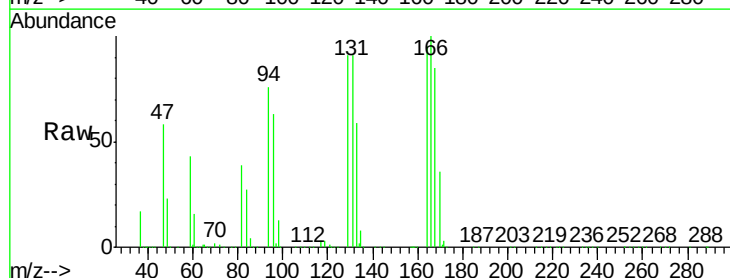
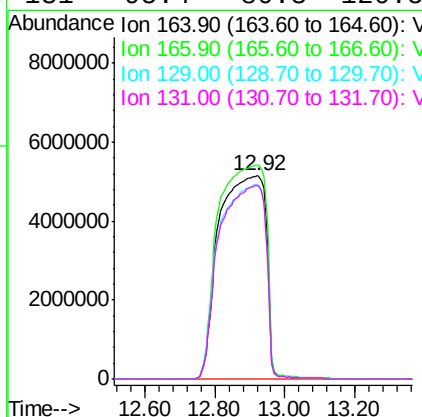
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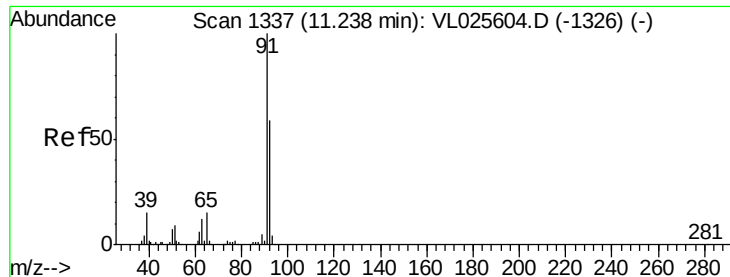
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#52
Tetrachloroethene
Concen: 438.87 ppbv
RT: 12.92 min Scan# 1613
Delta R.T. 0.13 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Tgt Ion: 164 Resp: 47766587
Ion Ratio Lower Upper
164 100
166 105.2 102.3 153.5
129 95.8 86.2 129.4
131 95.4 80.3 120.5





#53

Toluene

Concen: 1.16 ppbv

RT: 11.24 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion: 91 Resp: 355177

Ion Ratio Lower Upper

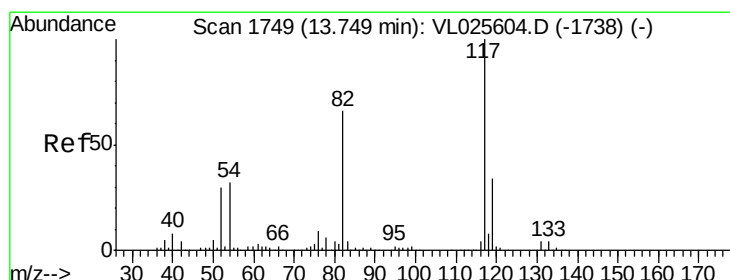
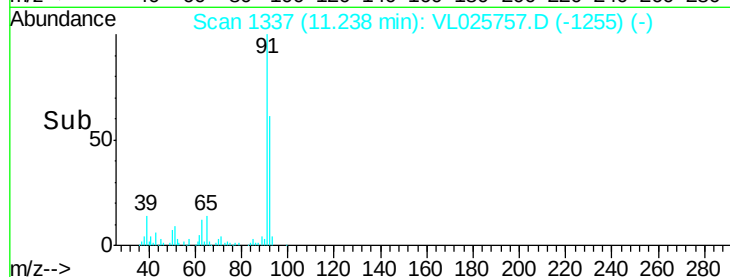
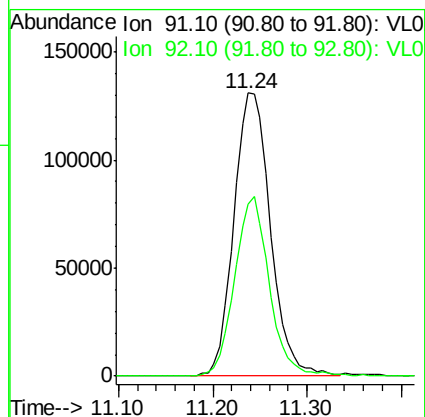
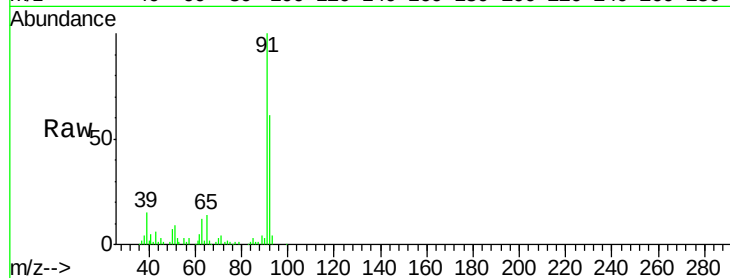
91 100

92 60.4 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.80 min Scan# 1757

Delta R.T. 0.05 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

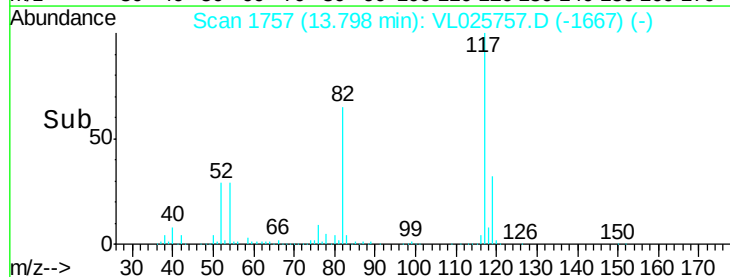
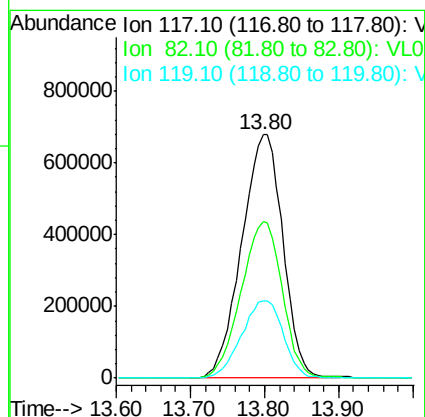
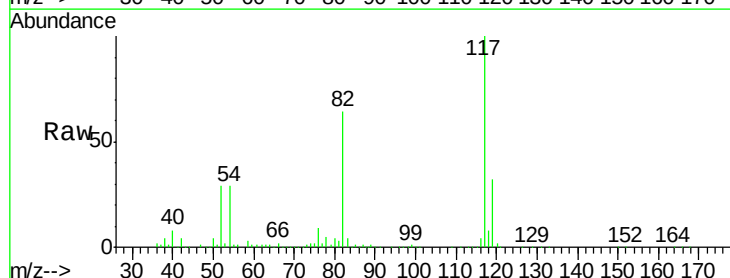
Tgt Ion: 117 Resp: 2628949

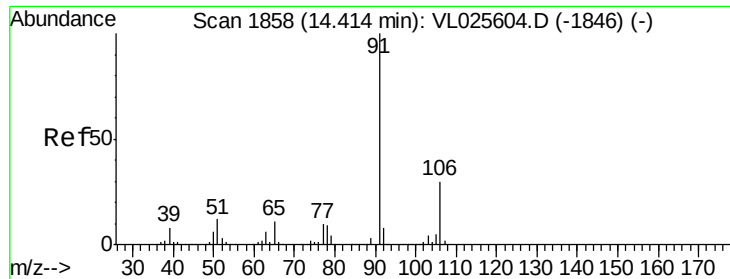
Ion Ratio Lower Upper

117 100

82 0.0 50.5 75.7#

119 32.6 45.1 67.7#





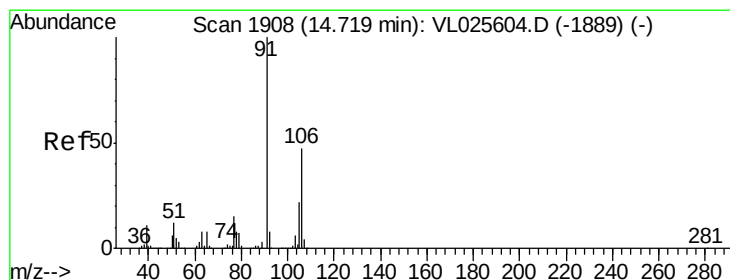
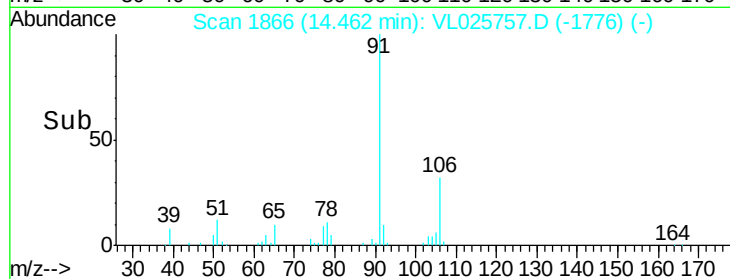
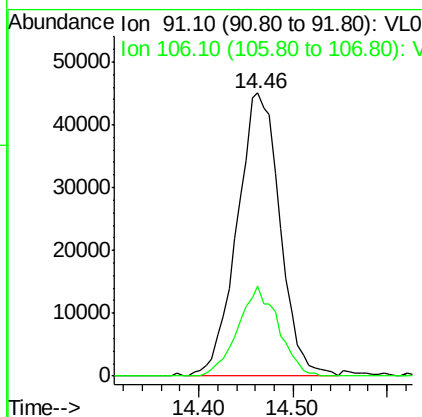
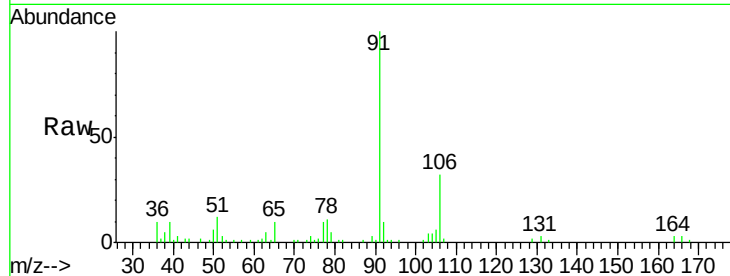
#58
Ethyl Benzene
Concen: 0.33 ppbv
RT: 14.46 min Scan# 1866
Delta R.T. 0.05 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDUP

Tgt Ion: 91 Resp: 142654
Ion Ratio Lower Upper
91 100
106 32.0 24.2 36.2

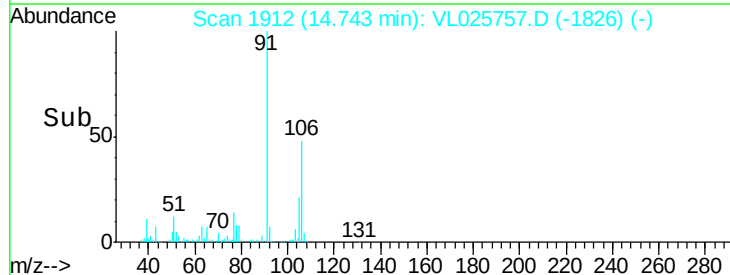
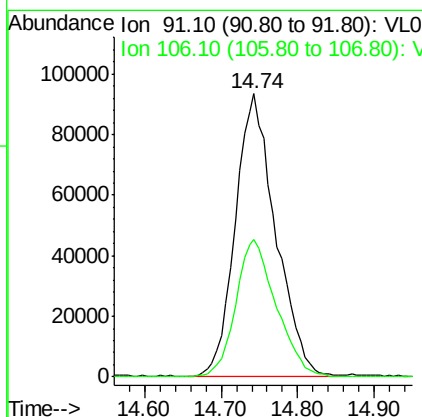
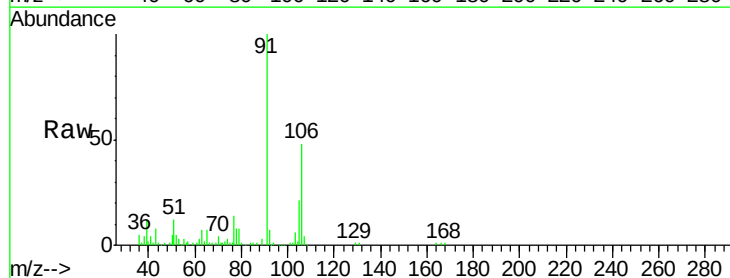
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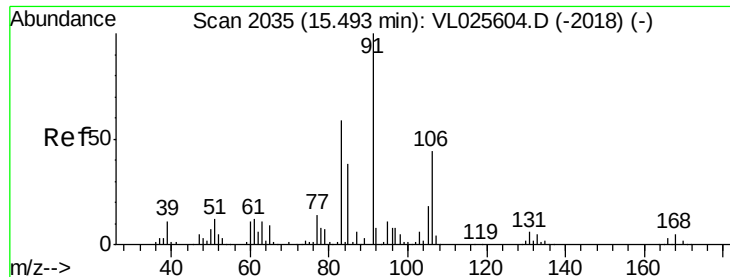
MMDadoda
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#59
m/p-Xylene
Concen: 0.90 ppbv
RT: 14.74 min Scan# 1912
Delta R.T. 0.02 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Tgt Ion: 91 Resp: 341872
Ion Ratio Lower Upper
91 100
106 48.5 37.9 56.9





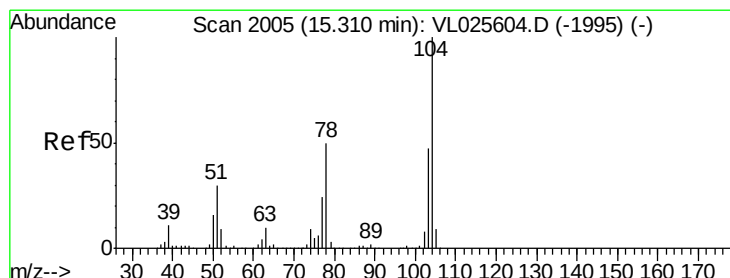
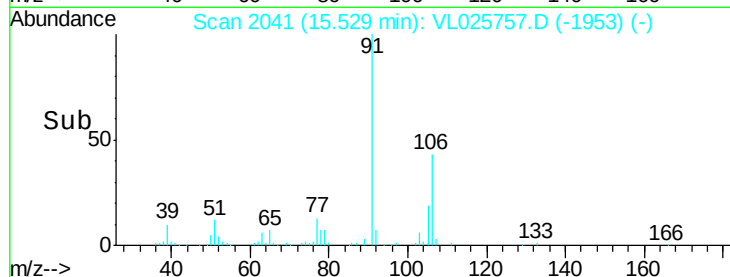
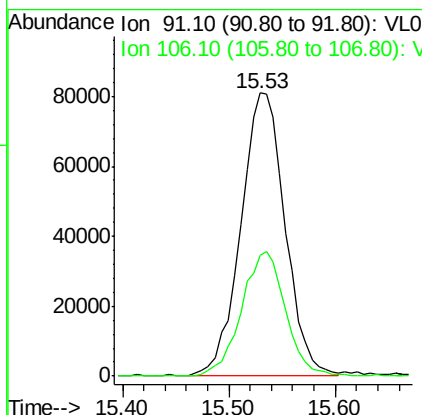
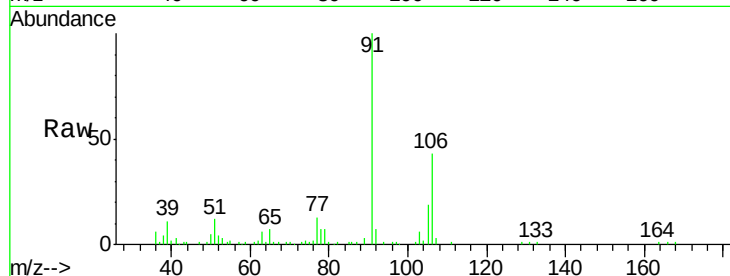
#60
o-Xylene
Concen: 0.57 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. 0.04 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDUP

Tgt Ion: 91 Resp: 236061
Ion Ratio Lower Upper
91 100
106 43.5 22.1 66.1

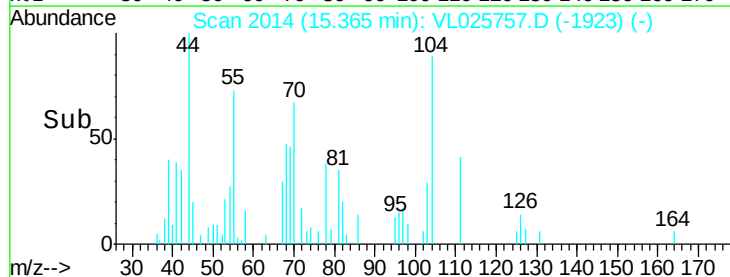
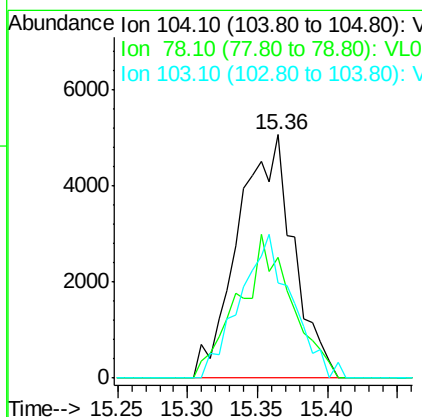
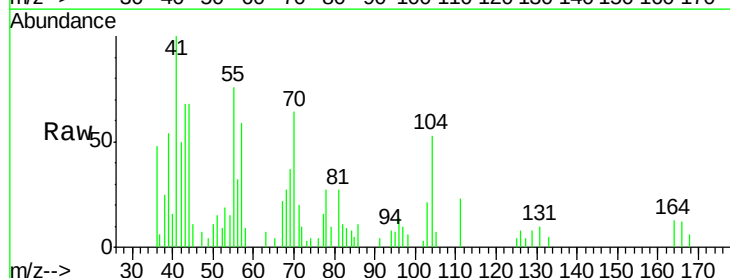
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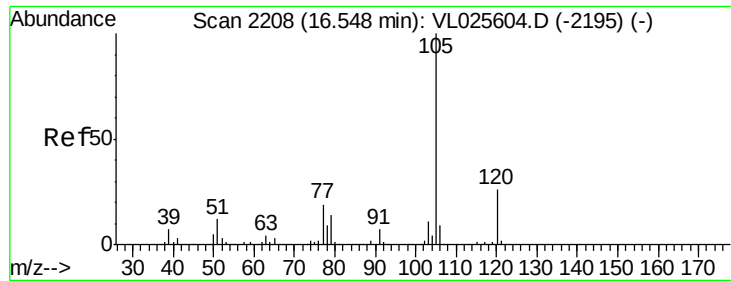
MMDadoda
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#61
Styrene
Concen: 0.10 ppbv m
RT: 15.36 min Scan# 2014
Delta R.T. 0.05 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Tgt Ion: 104 Resp: 13980
Ion Ratio Lower Upper
104 100
78 0.0 40.2 60.4#
103 0.0 37.4 56.2#





#62

Isopropylbenzene

Concen: 0.12 ppbv

RT: 16.57 min Scan# 2212

Delta R.T. 0.02 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion:105 Resp: 63929

Ion Ratio Lower Upper

105 100

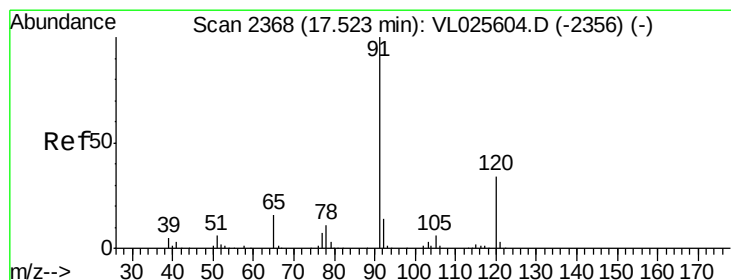
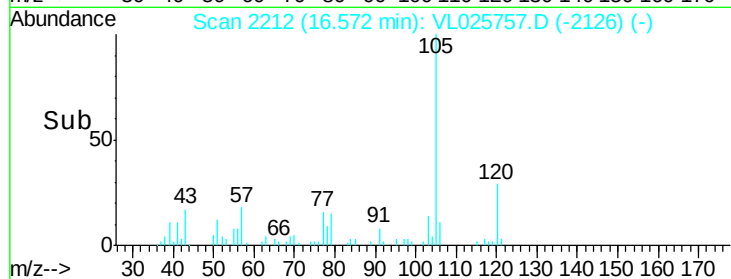
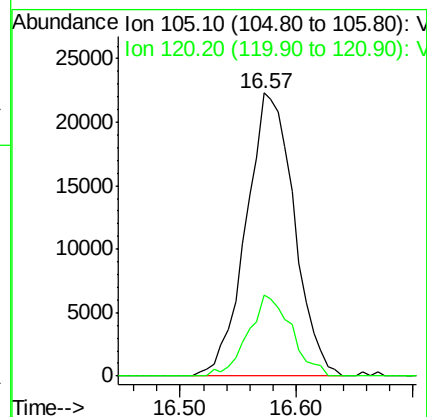
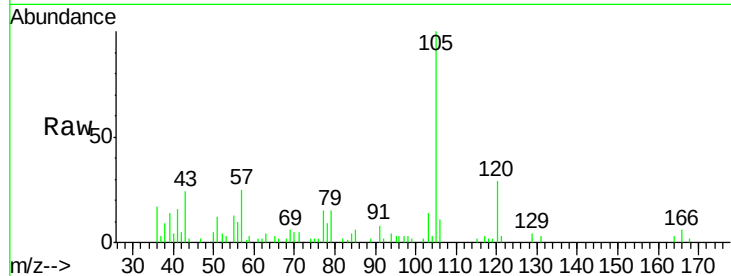
120 25.8 20.6 31.0

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#64

n-propylbenzene

Concen: 0.68 ppbv

RT: 17.55 min Scan# 2372

Delta R.T. 0.02 min

Lab File: VL025757.D

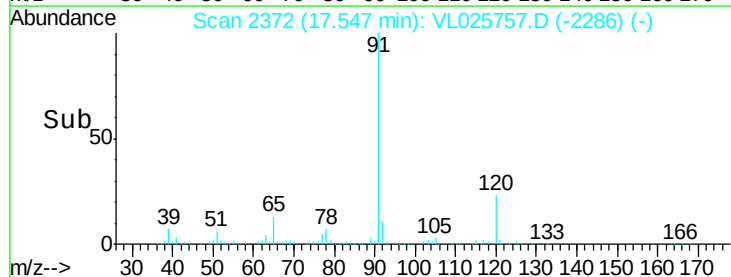
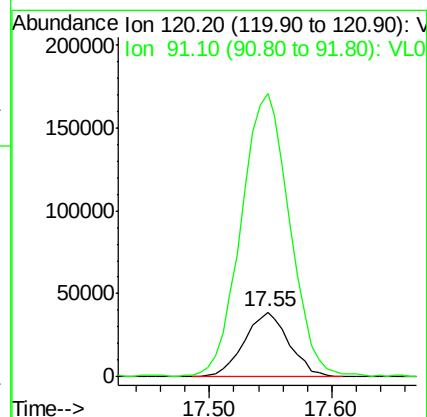
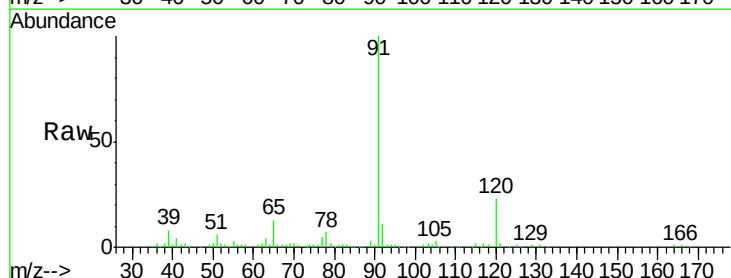
Acq: 27 Jul 2015 17:33

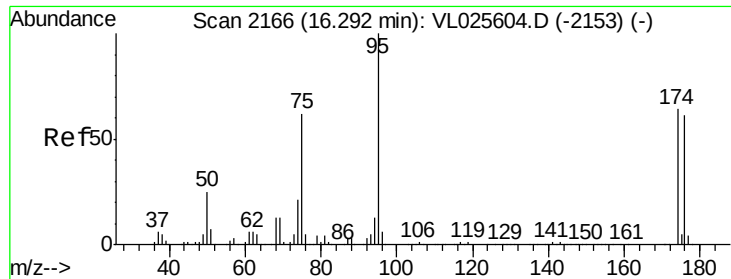
Tgt Ion:120 Resp: 99342

Ion Ratio Lower Upper

120 100

91 479.3 370.5 555.7





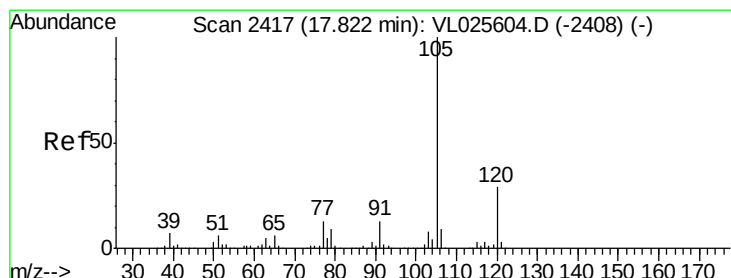
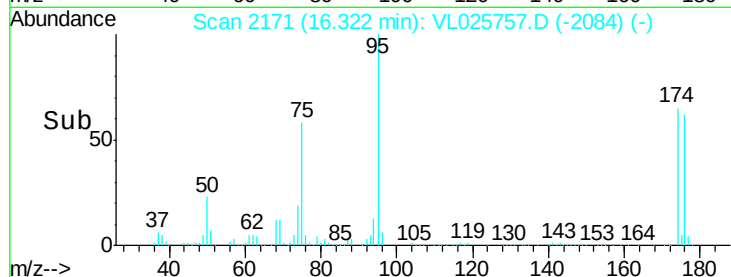
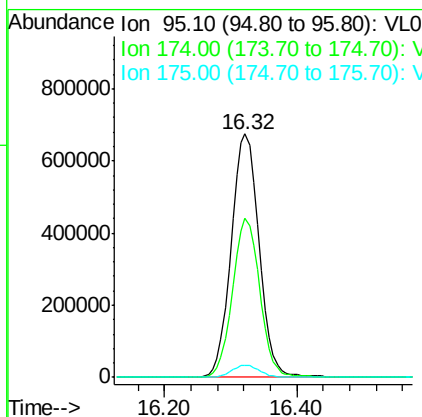
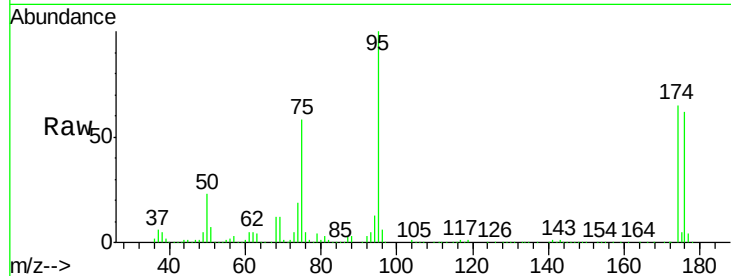
#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.91 ppbv
 RT: 16.32 min Scan# 2171
 Delta R.T. 0.03 min
 Lab File: VL025757.D
 Acq: 27 Jul 2015 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 A-221-BDUP

Tgt Ion: 95 Resp: 1975344
 Ion Ratio Lower Upper
 95 100
 174 64.1 52.0 78.0
 175 4.9 3.9 5.9

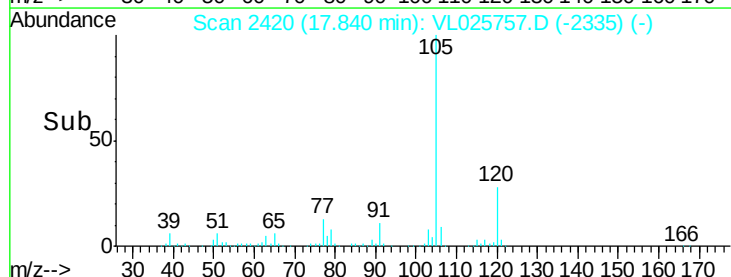
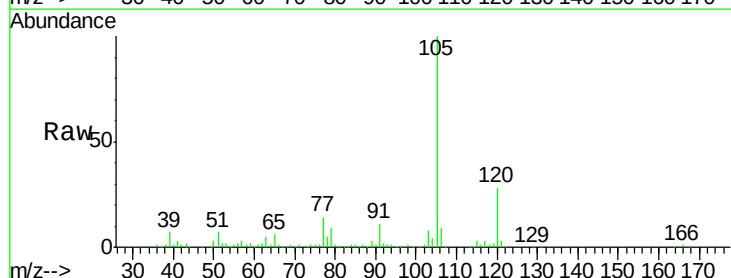
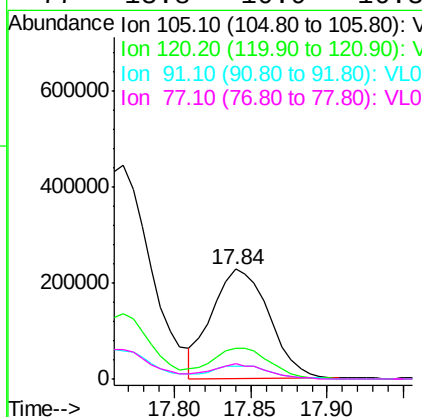
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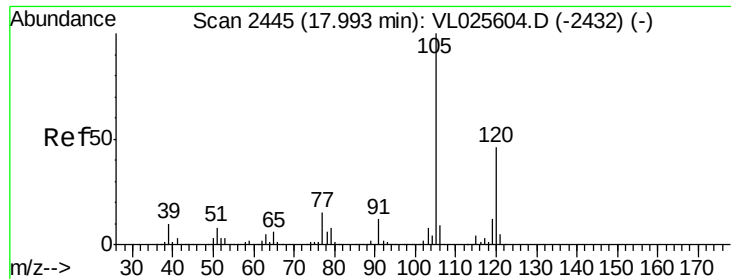
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#72
 4-Ethyltoluene
 Concen: 1.30 ppbv
 RT: 17.84 min Scan# 2420
 Delta R.T. 0.02 min
 Lab File: VL025757.D
 Acq: 27 Jul 2015 17:33

Tgt Ion: 105 Resp: 592487
 Ion Ratio Lower Upper
 105 100
 120 30.1 23.9 35.9
 91 10.8 10.3 15.5
 77 13.8 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 0.98 ppbv

RT: 18.01 min Scan# 2448

Delta R.T. 0.02 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDUP

Tgt Ion:105 Resp: 436058

Ion Ratio Lower Upper

105 100

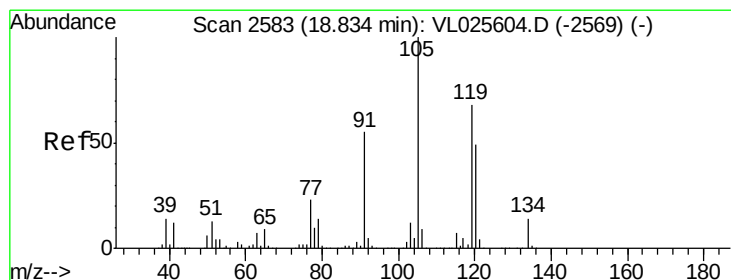
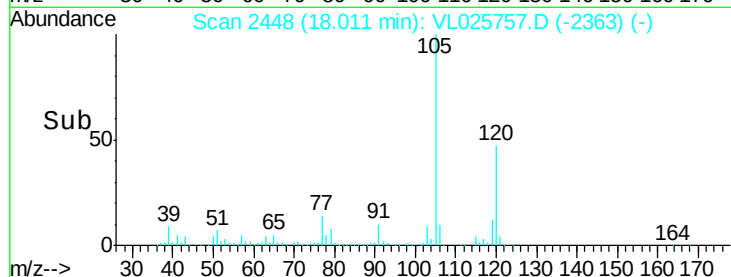
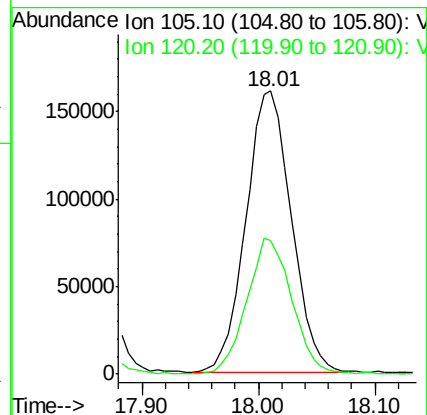
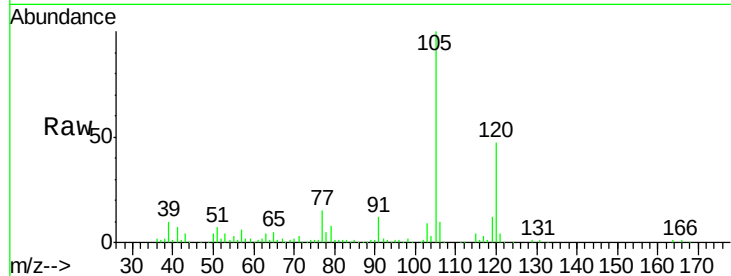
120 47.1 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 2.91 ppbv

RT: 18.85 min Scan# 2586

Delta R.T. 0.02 min

Lab File: VL025757.D

Acq: 27 Jul 2015 17:33

Tgt Ion:105 Resp: 1452995

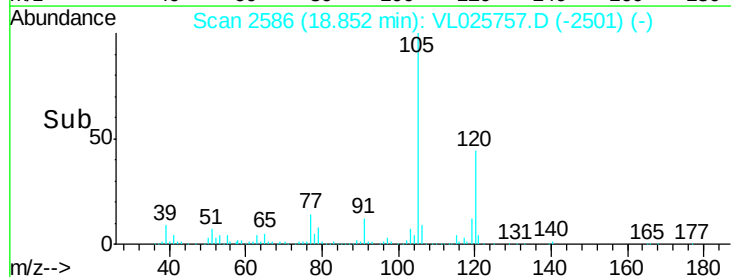
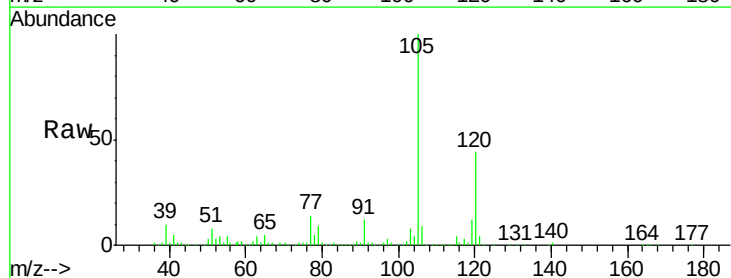
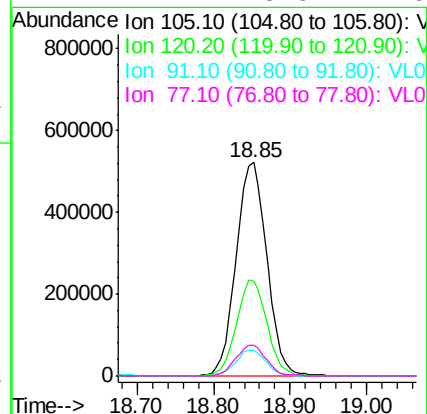
Ion Ratio Lower Upper

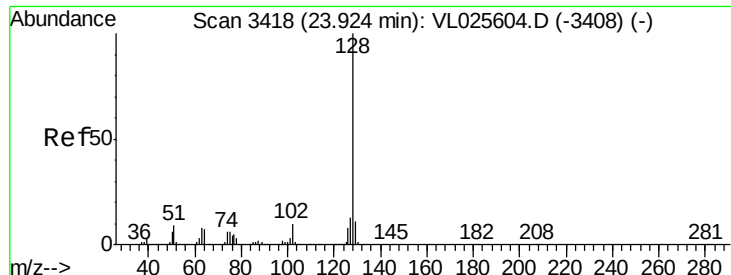
105 100

120 44.2 39.3 58.9

91 11.7 43.8 65.6#

77 14.2 18.3 27.5#





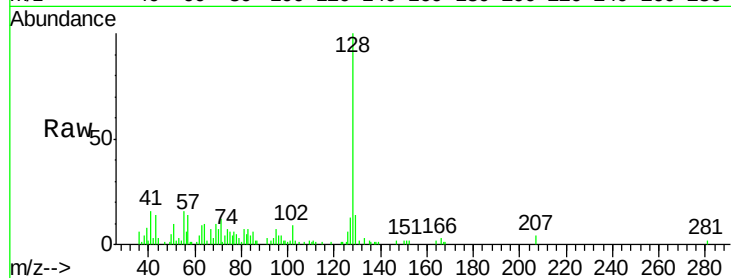
#79
Naphthalene
Concen: 0.19 ppbv
RT: 23.94 min Scan# 3420
Delta R.T. 0.01 min
Lab File: VL025757.D
Acq: 27 Jul 2015 17:33

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDUP

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	12.0	9.0	13.4

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Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

