

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025754.D
 Acq On : 27 Jul 2015 15:30
 Operator : SY/MD
 Sample : G3097-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PR1

Manual Integrations
 APPROVED

MMDadoda
 7/28/2015 12:56:44 PM

Quant Time: Jul 28 11:12:46 2015

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08

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	6.67	49	568511	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1461613	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	1824196	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	1554601	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.64	85	14218	0.10	ppbv	100
3) Chlorodifluoromethane	3.57	51	54544m	0.68	ppbv	
4) Chloromethane	3.75	50	55000	1.50	ppbv	94
7) Chloroethane	4.24	64	3537	0.19	ppbv #	83
9) Propene	3.60	41	97388	3.66	ppbv	92
10) Heptane	9.35	43	190564	1.84	ppbv	94
11) Trichlorofluoromethane	4.69	101	21544	0.11	ppbv	96
13) Ethanol	4.35	45	92212	22.28	ppbv	99
15) Acetone	4.59	43	6169488	61.43	ppbv #	88
17) tert-Butyl alcohol	5.15	59	440517	5.23	ppbv	99
19) Isopropyl Alcohol	4.77	45	248601	6.20	ppbv #	96
20) Methylene Chloride	5.16	84	76118	1.87	ppbv	93
25) Ethyl Acetate	6.67	43	242310	1.59	ppbv #	92
26) Hexane	6.66	57	102165m	1.43	ppbv	
27) Carbon Disulfide	5.39	76	38460	0.33	ppbv #	90
29) Chloroform	6.76	83	26129	0.18	ppbv	88
30) Cyclohexane	8.29	84	24715	0.36	ppbv #	11
34) 2-Butanone	6.20	43	661904	7.98	ppbv	100
35) Carbon Tetrachloride	8.17	117	22949	0.15	ppbv	95
36) Benzene	8.02	78	176036	1.26	ppbv	96
37) 1,2-Dichloroethane	7.38	62	36124	0.30	ppbv #	96
38) Trichloroethene	9.07	130	41000	0.63	ppbv	94
41) Tetrahydrofuran	7.12	42	168955	4.08	ppbv	93
44) 2,2,4-Trimethylpentane	9.09	57	199958	0.83	ppbv	89
50) 4-Methyl-2-Pentanone	10.10	43	134132	1.12	ppbv	93
52) Tetrachloroethene	12.79	164	51968	0.74	ppbv	88
53) Toluene	11.24	91	3090744	15.71	ppbv	99
58) Ethyl Benzene	14.43	91	919352	3.05	ppbv	100
59) m/p-Xylene	14.71	91	2524282	9.53	ppbv	99
60) o-Xylene	15.51	91	1003432	3.52	ppbv	100
61) Styrene	15.32	104	889863	8.91	ppbv	99
62) Isopropylbenzene	16.56	105	927444	2.49	ppbv	99
64) n-propylbenzene	17.54	120	145582	1.44	ppbv	93
67) sec-Butylbenzene	19.43	105	68131	0.13	ppbv	98
69) p-Isopropyltoluene	19.80	119	562930	1.33	ppbv #	90
72) 4-Ethyltoluene	17.83	105	836614	2.65	ppbv	96
73) 1,3,5-Trimethylbenzene	18.00	105	617160	1.99	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	1896618	5.47	ppbv #	68
76) 1,4-Dichlorobenzene	19.28	146	81503	0.36	ppbv #	59
79) Naphthalene	23.94	128	438936	1.31	ppbv #	96
80) Naphthalene,2-methyl-	26.05	142	23603	0.24	ppbv #	77

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Manual Integrations
APPROVED

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7/28/2015 12:56:44 PM

Quant Time: Jul 28 11:12:46 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

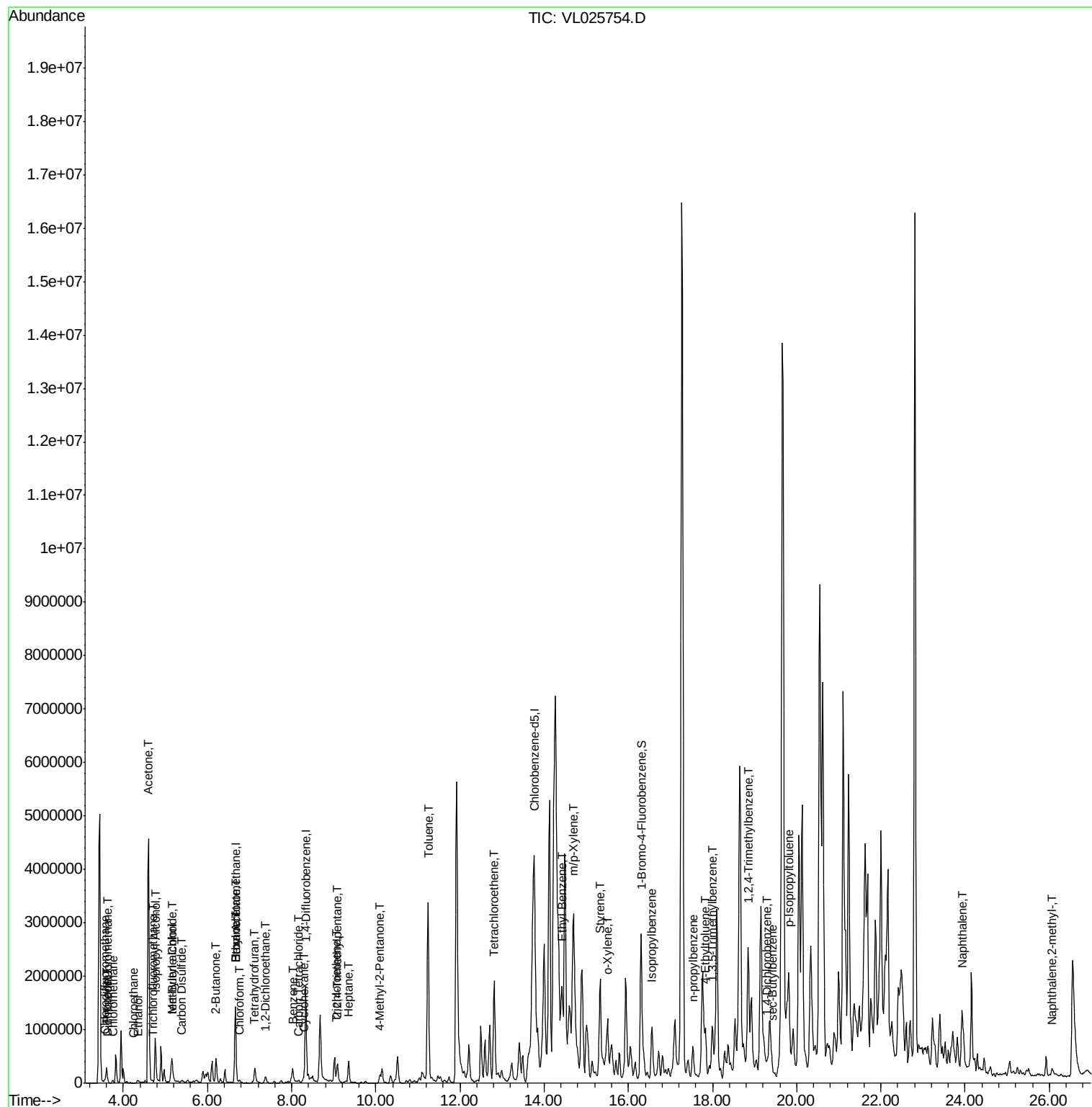
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025754.D
Acq On : 27 Jul 2015 15:30
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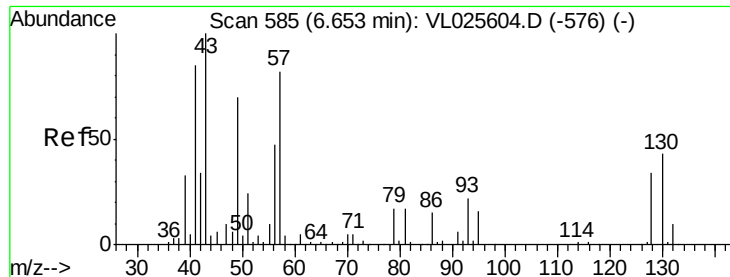
Instrument :
MSVOA_L
ClientSampleId :
PR1

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampled :

PR1

Tgt Ion: 49 Resp: 568511
Ion Ratio Lower Upper

49 100

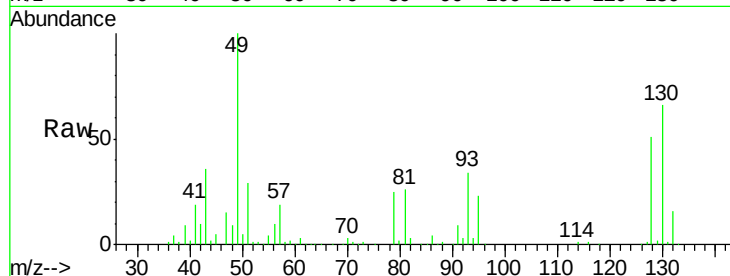
128 50.3 25.4 76.0

130 64.9 31.9 95.9

Manual Integrations
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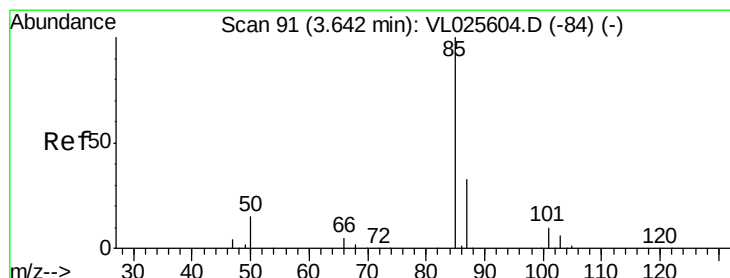
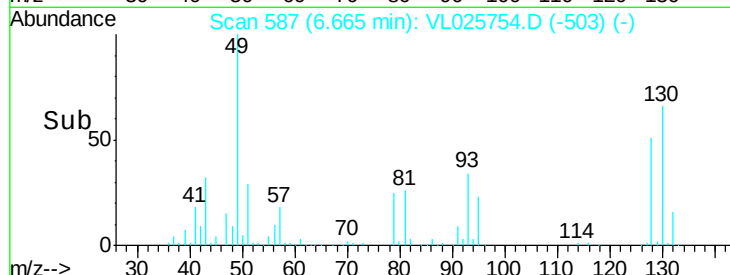
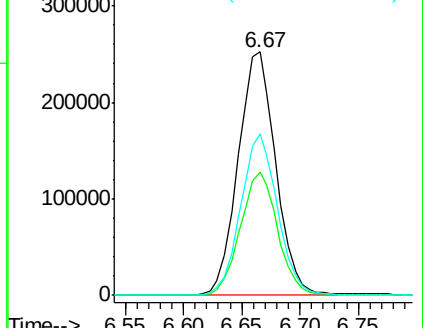
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.10 ppbv

RT: 3.64 min Scan# 91

Delta R.T. 0.00 min

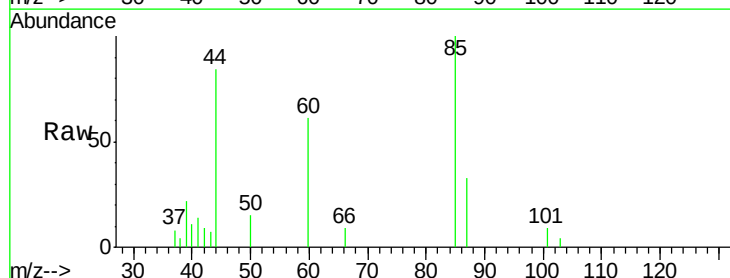
Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Tgt Ion: 85 Resp: 14218
Ion Ratio Lower Upper

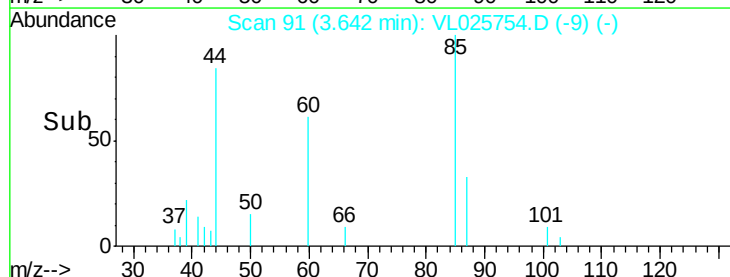
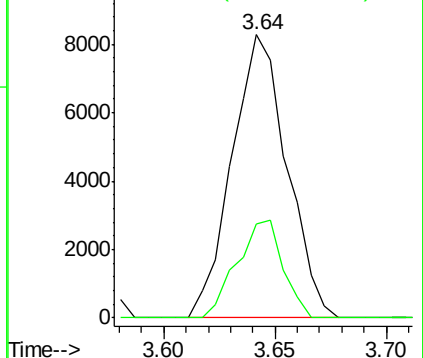
85 100

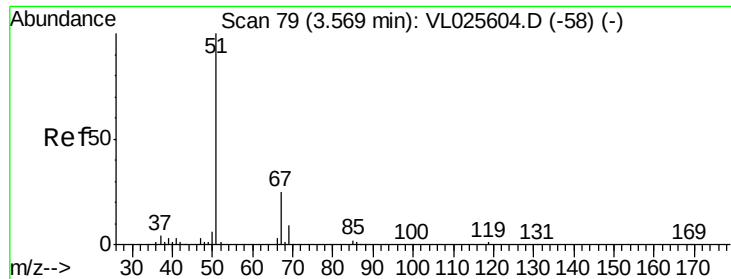
87 33.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.68 ppbv m

RT: 3.57 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampleId :

PR1

Tgt Ion: 51 Resp: 54544

Ion Ratio Lower Upper

51 100

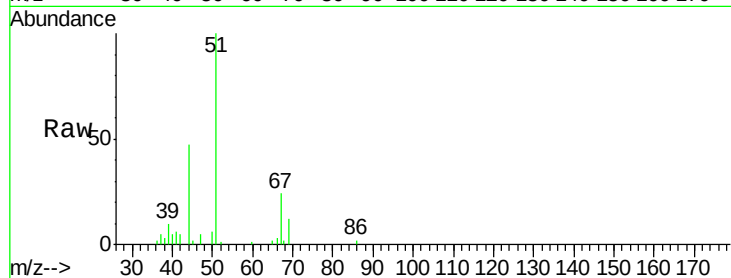
67 23.4 19.5 29.3

Manual Integrations

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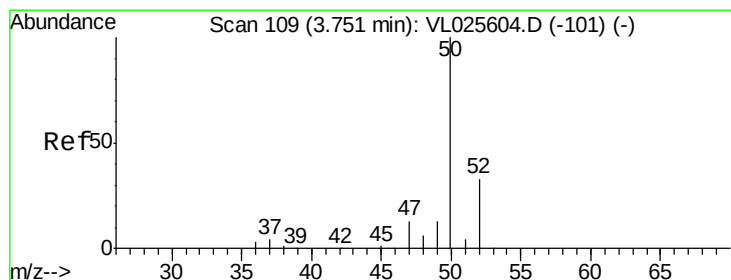
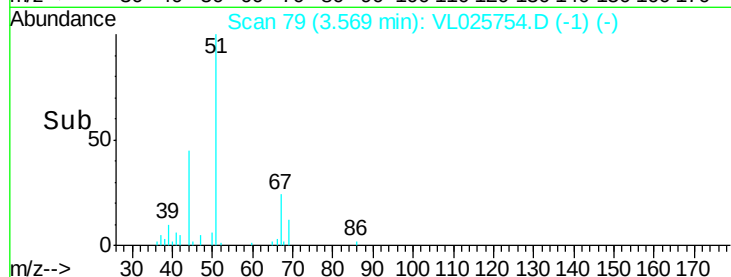
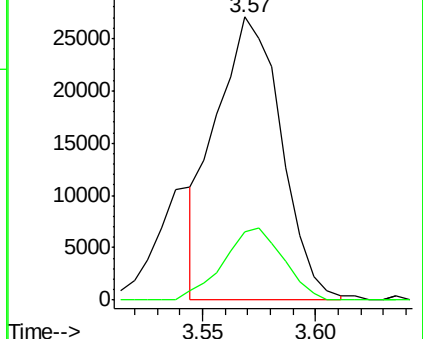
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.50 ppbv

RT: 3.75 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL025754.D

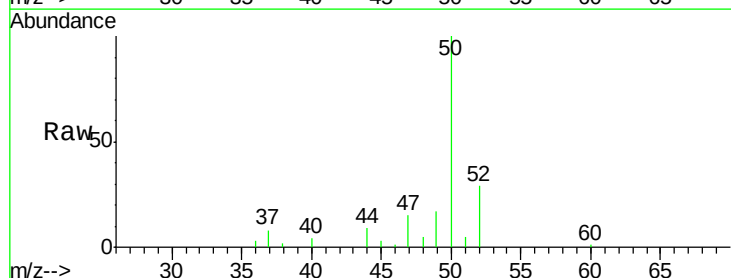
Acq: 27 Jul 2015 15:30

Tgt Ion: 50 Resp: 55000

Ion Ratio Lower Upper

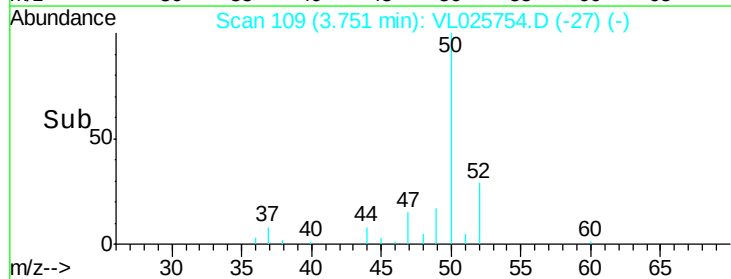
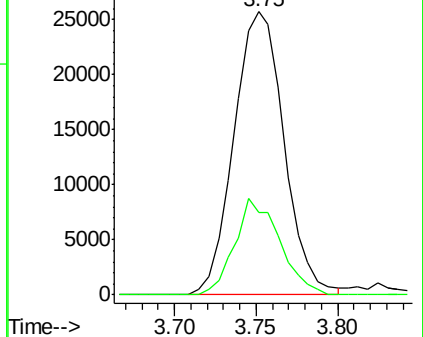
50 100

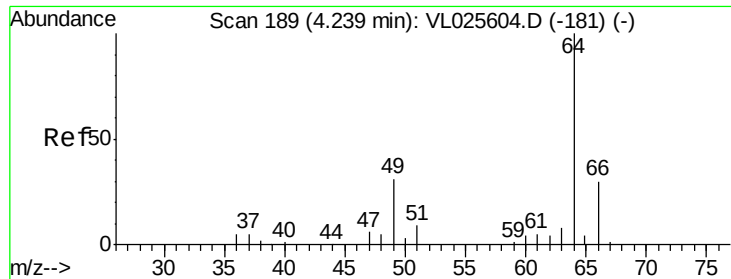
52 29.3 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.19 ppbv

RT: 4.24 min Scan# 189

Delta R.T. 0.00 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampleId :

PR1

Tgt Ion: 64 Resp: 3537

Ion Ratio Lower Upper

64 100

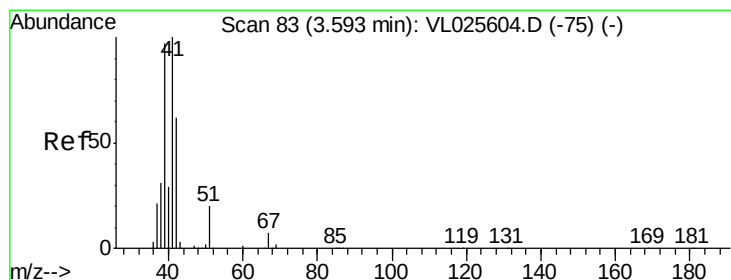
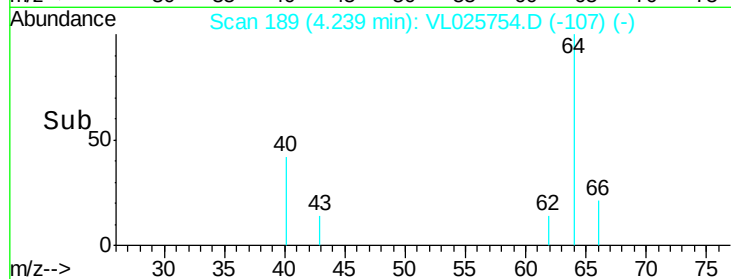
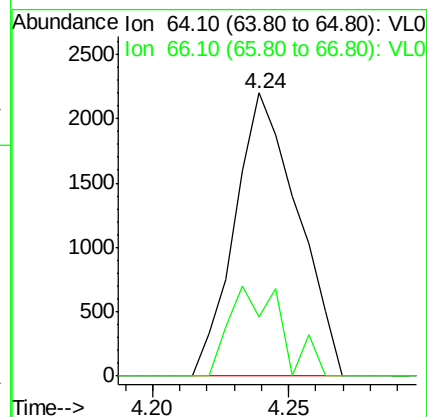
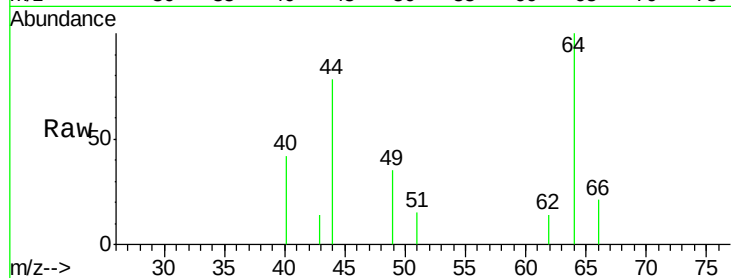
66 20.9 23.8 35.8#

Manual Integrations

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#9

Propene

Concen: 3.66 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025754.D

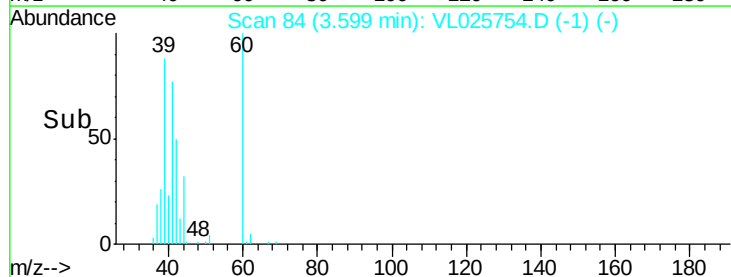
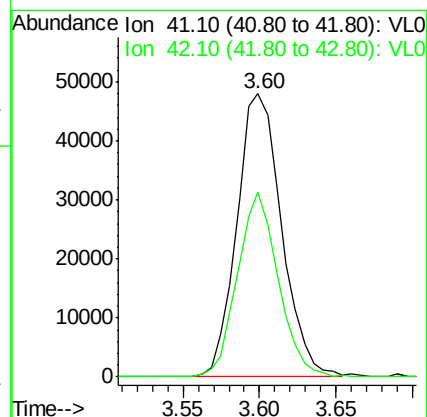
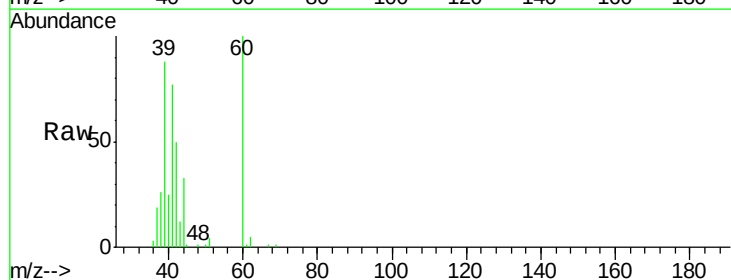
Acq: 27 Jul 2015 15:30

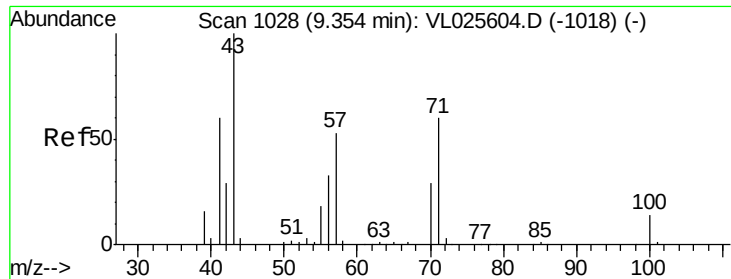
Tgt Ion: 41 Resp: 97388

Ion Ratio Lower Upper

41 100

42 59.2 52.4 78.6





#10

Heptane

Concen: 1.84 ppbv

RT: 9.35 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampled :

PR1

Tgt Ion: 43 Resp: 190564

Ion Ratio Lower Upper

43 100

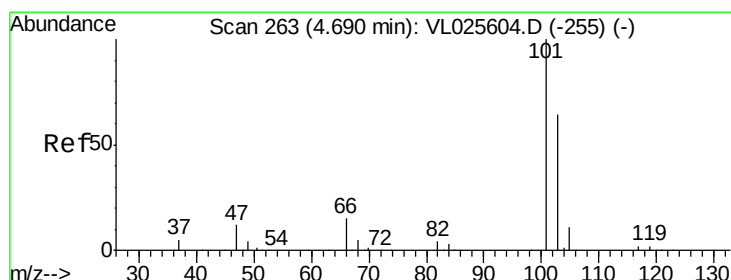
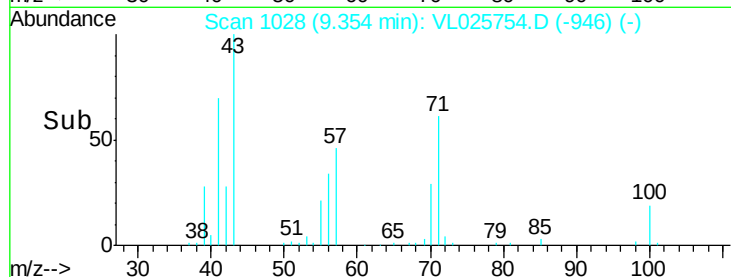
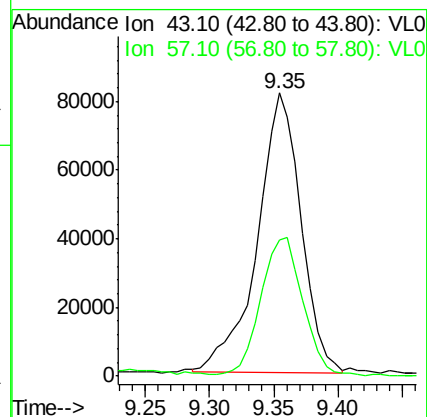
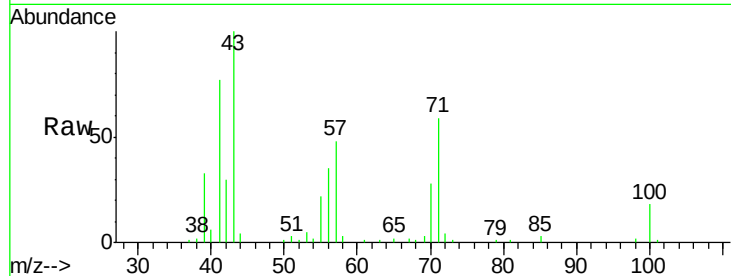
57 49.3 42.6 64.0

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.11 ppbv

RT: 4.69 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL025754.D

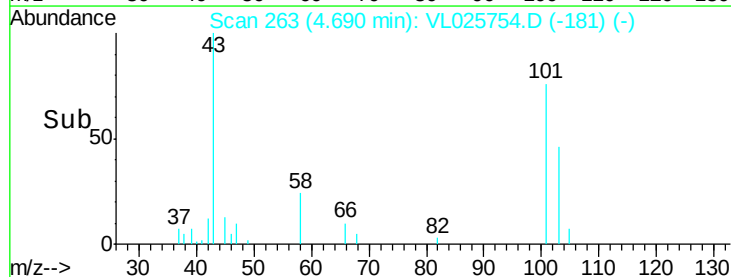
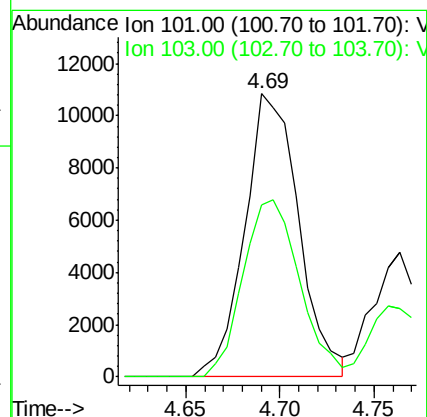
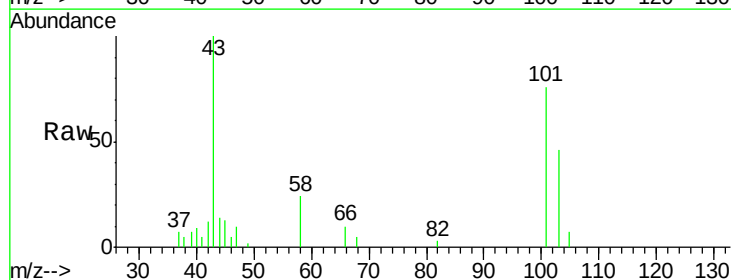
Acq: 27 Jul 2015 15:30

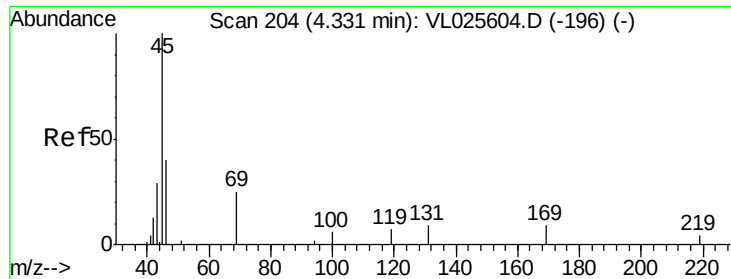
Tgt Ion: 101 Resp: 21544

Ion Ratio Lower Upper

101 100

103 60.8 51.4 77.2





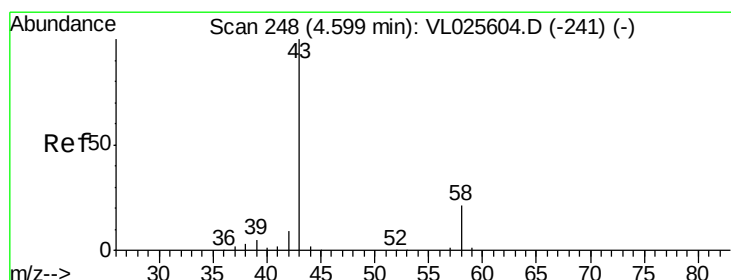
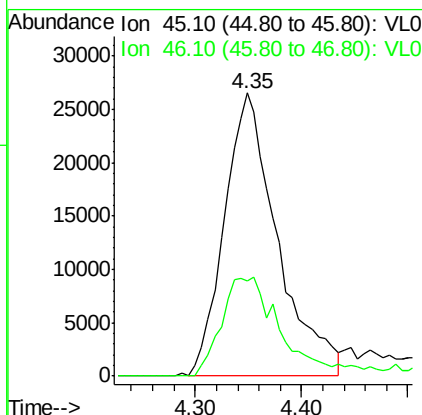
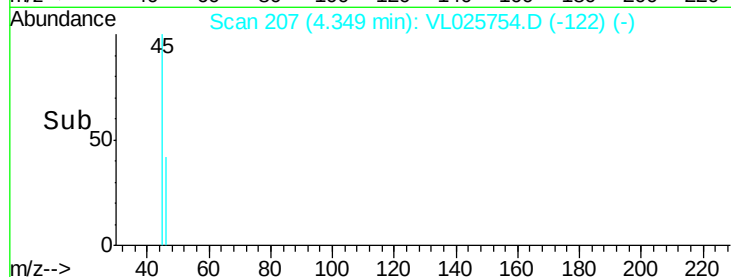
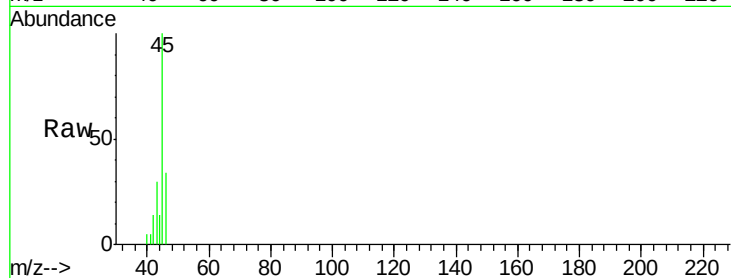
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Ethanol
Concen: 22.28 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.02 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Instrument :
MSVOA_L
ClientSampleId :
PR1

Tgt Ion: 45 Resp: 92212
Ion Ratio Lower Upper
45 100
46 40.9 16.0 64.0

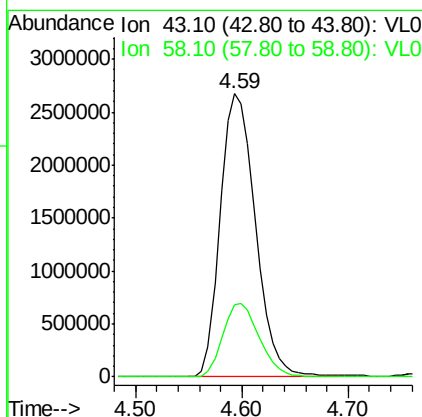
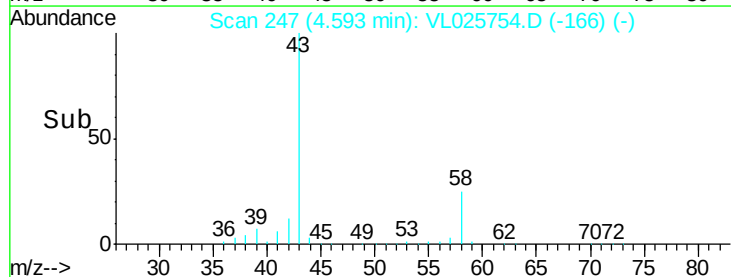
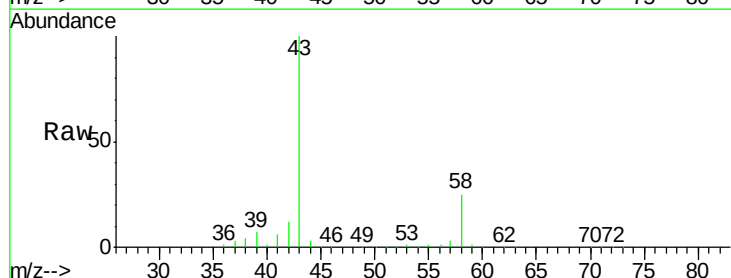
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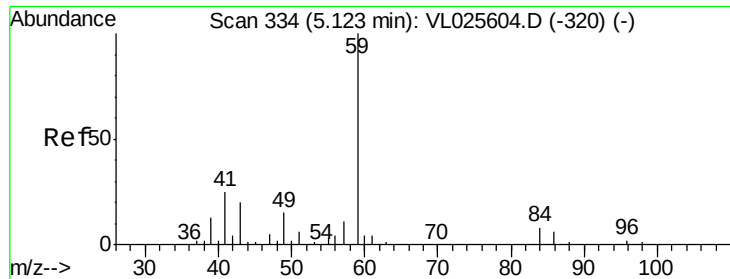
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#15
Acetone
Concen: 61.43 ppbv
RT: 4.59 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Tgt Ion: 43 Resp: 6169488
Ion Ratio Lower Upper
43 100
58 27.3 17.2 25.8#





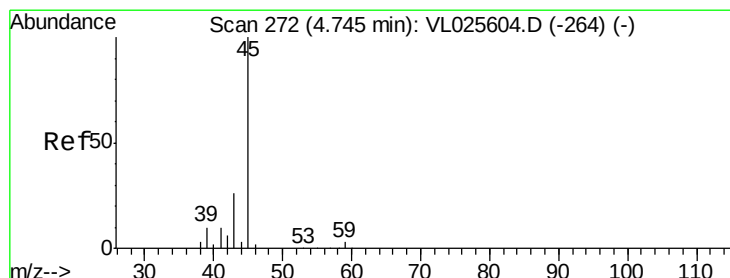
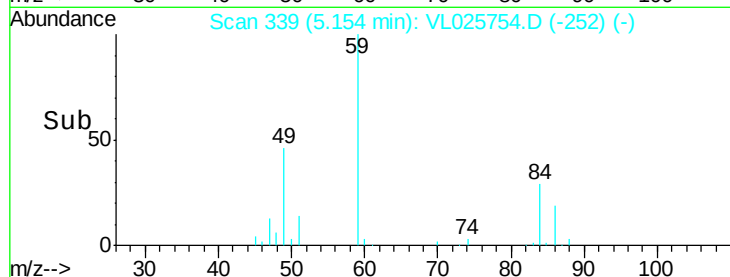
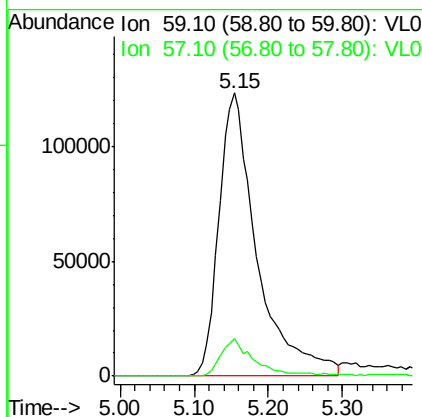
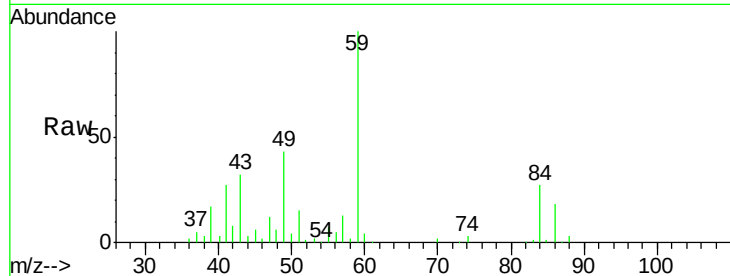
#17
 tert-Butyl alcohol
 Concen: 5.23 ppbv
 RT: 5.15 min Scan# 339
 Delta R.T. 0.03 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Instrument :
 MSVOA_L
 ClientSampled :
 PR1

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	440517		
57	12.1		9.4	14.2

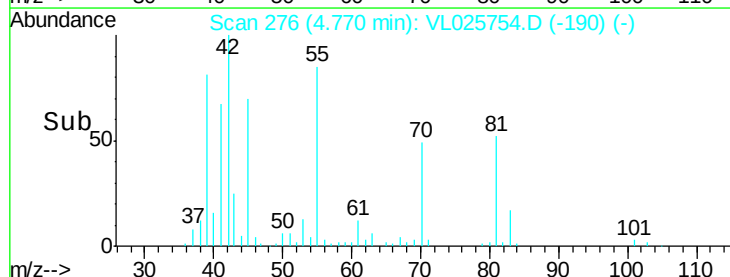
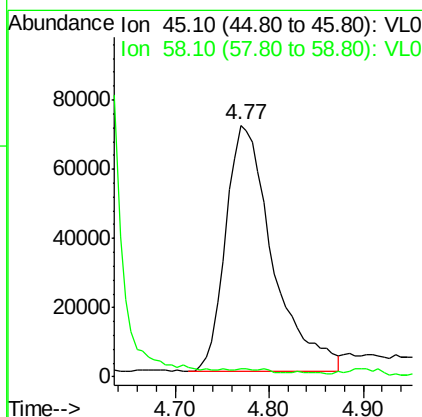
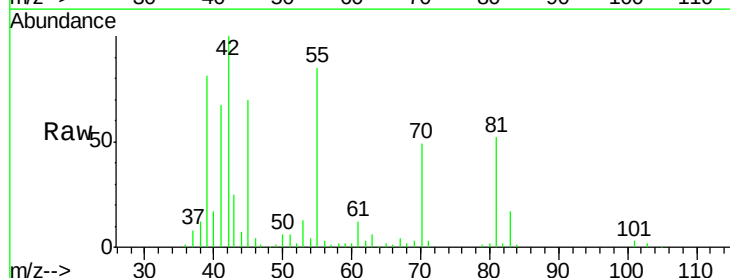
Manual Integrations
 APPROVED

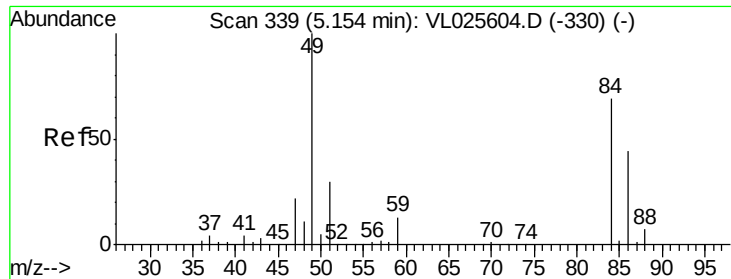
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#19
 Isopropyl Alcohol
 Concen: 6.20 ppbv
 RT: 4.77 min Scan# 276
 Delta R.T. 0.02 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	248601		
58	0.0		1.1	1.7#





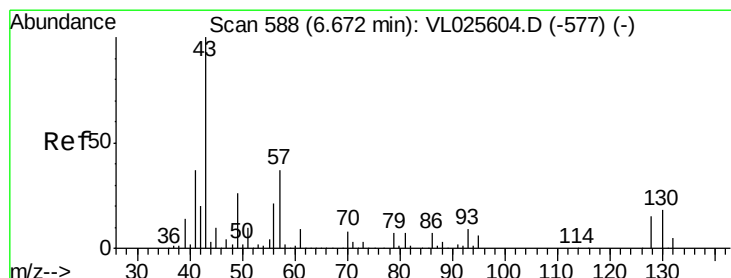
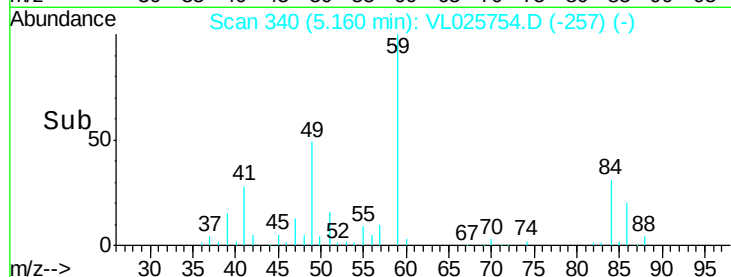
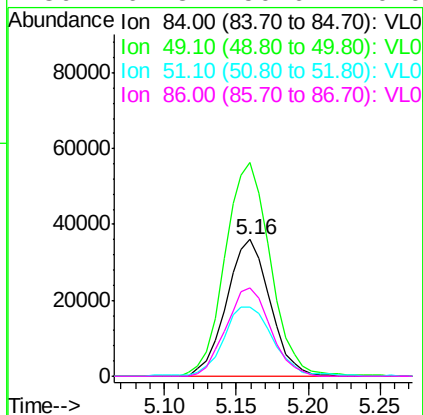
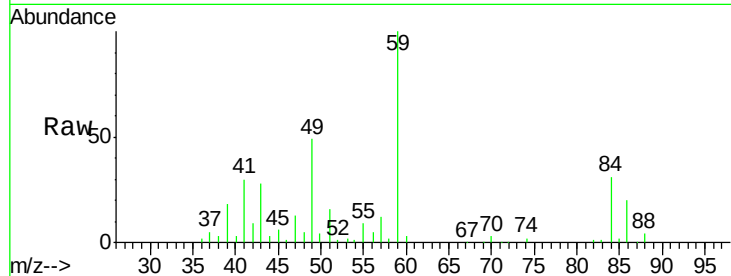
#20
Methylene Chloride
Concen: 1.87 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Instrument :
MSVOA_L
ClientSampled :
PR1

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.5	115.2	172.8
51	49.3	35.0	52.6
86	64.3	50.6	76.0

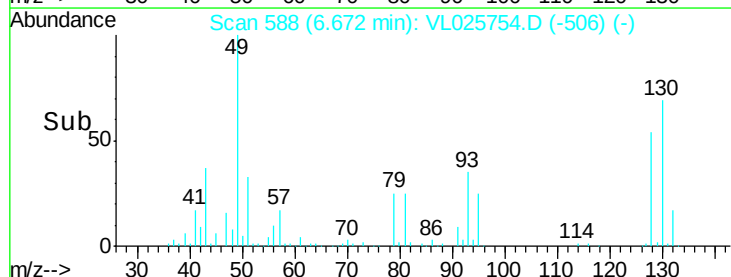
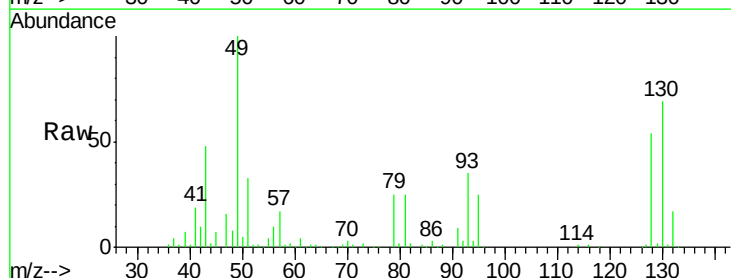
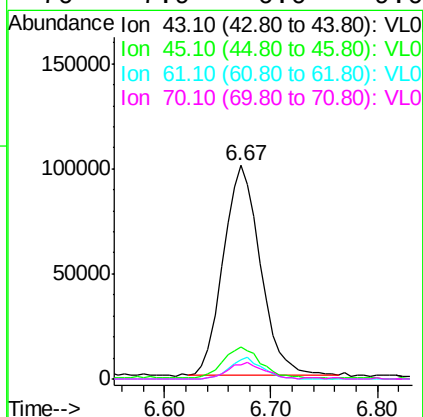
Manual Integrations
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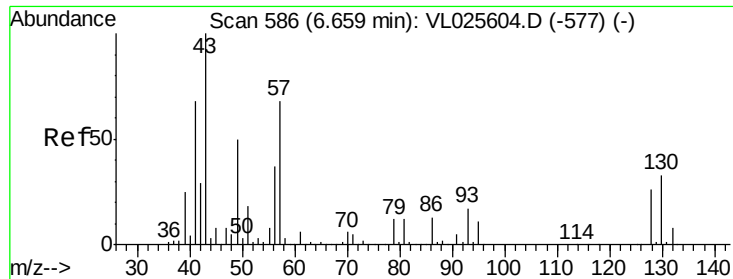
MMDadoda
7/28/2015 12:56:44 PM



#25
Ethyl Acetate
Concen: 1.59 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.00 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
45	16.6	7.5	11.3#
61	8.9	6.6	10.0
70	7.9	6.0	9.0





#26

Hexane

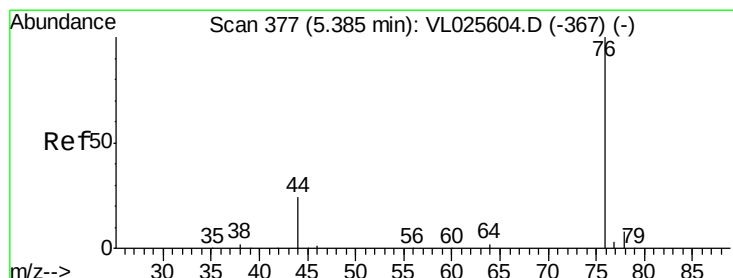
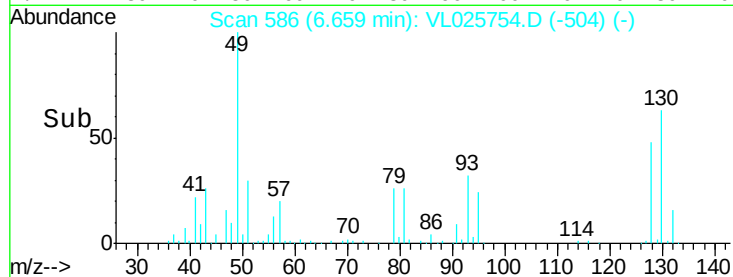
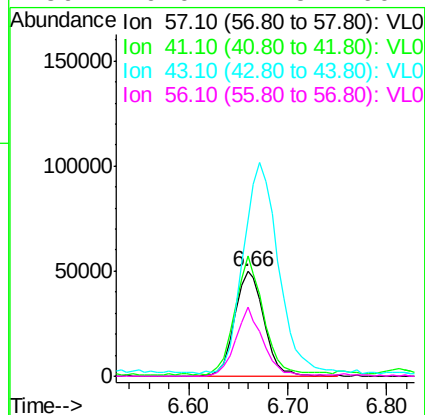
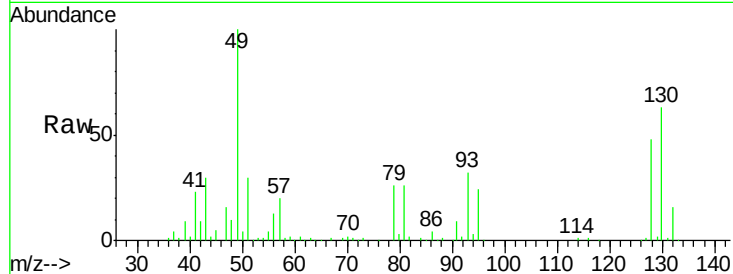
Concen: 1.43 ppbv m
RT: 6.66 min Scan# 586
Delta R.T. 0.00 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Instrument :
MSVOA_L
ClientSampled :
PR1

Tgt Ion: 57 Resp: 102165
Ion Ratio Lower Upper
57 100
41 0.0 81.4 122.2#
43 0.0 171.4 257.2#
56 0.0 44.5 66.7#

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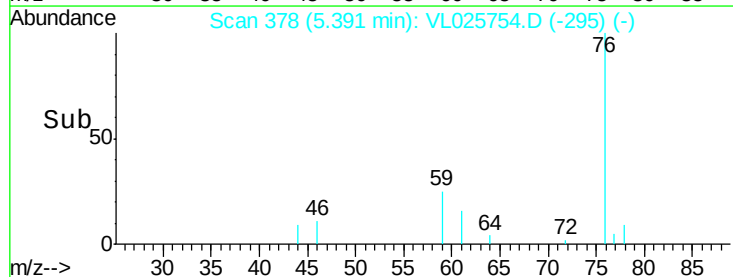
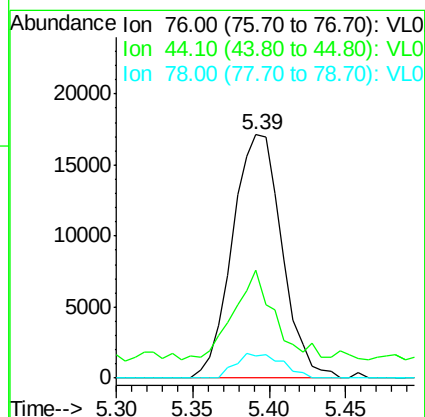
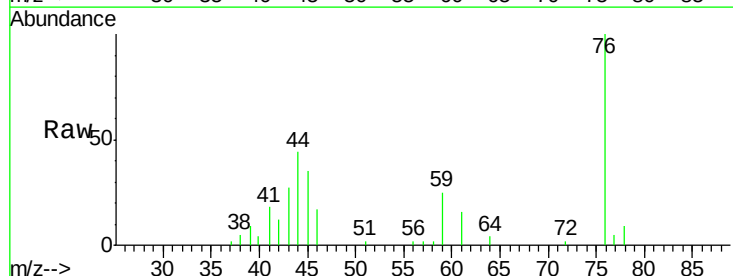


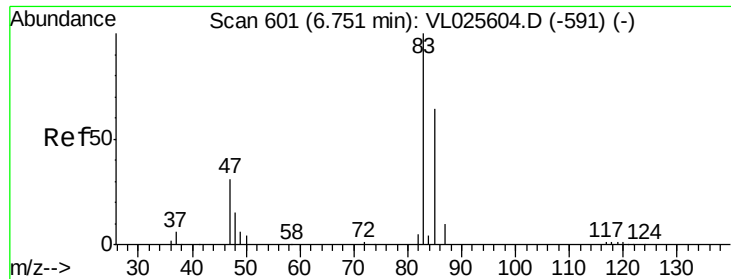
#27

Carbon Disulfide

Concen: 0.33 ppbv
RT: 5.39 min Scan# 378
Delta R.T. 0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Tgt Ion: 76 Resp: 38460
Ion Ratio Lower Upper
76 100
44 32.3 20.2 30.4#
78 9.5 7.4 11.2





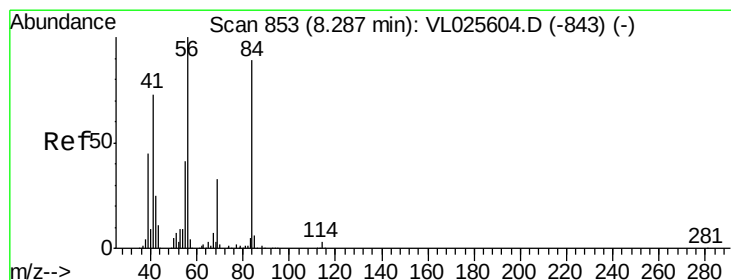
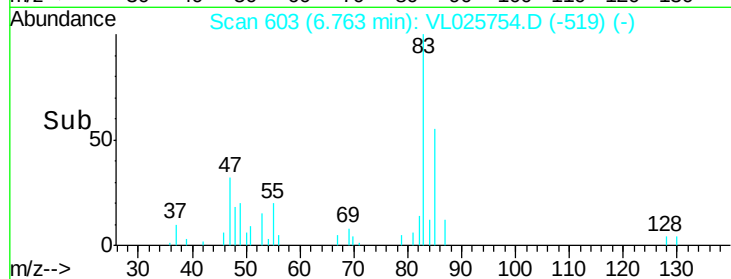
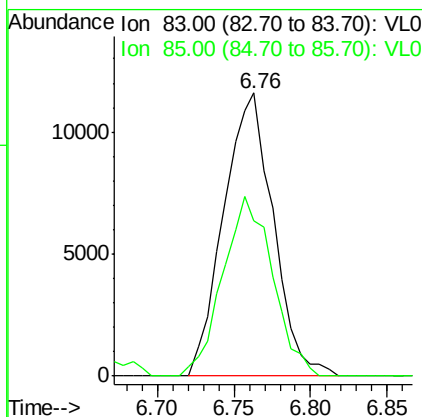
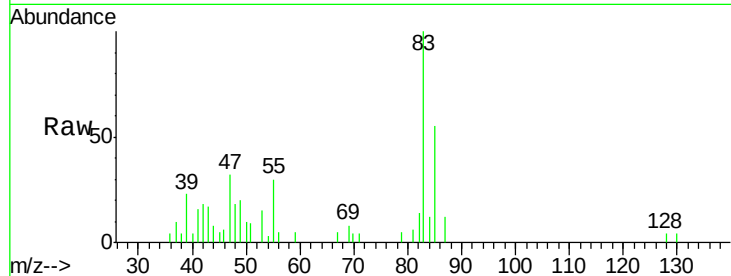
#29
Chloroform
Concen: 0.18 ppbv
RT: 6.76 min Scan# 603
Delta R.T. 0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Instrument :
MSVOA_L
ClientSampled :
PR1

Tgt Ion: 83 Resp: 26129
Ion Ratio Lower Upper
83 100
85 55.0 51.6 77.4

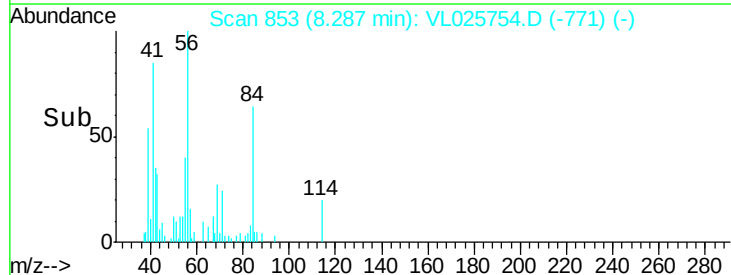
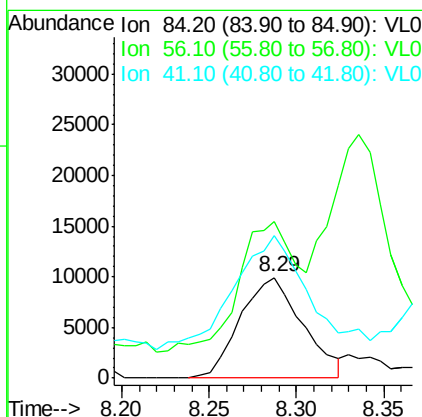
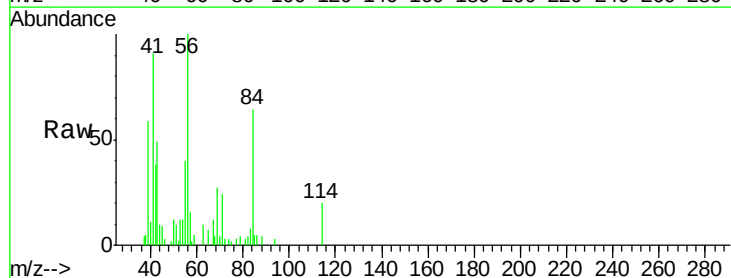
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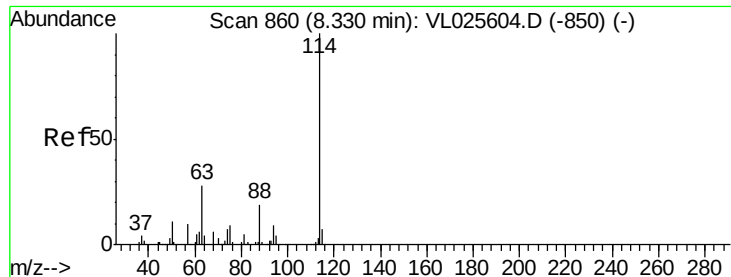
MMDadoda
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#30
Cyclohexane
Concen: 0.36 ppbv
RT: 8.29 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Tgt Ion: 84 Resp: 24715
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 134.9 65.4 98.2#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.34 min Scan# 861

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampleId :

PR1

Tgt Ion: 114 Resp: 1461613

Ion Ratio Lower Upper

114 100

63 27.9 22.4 33.6

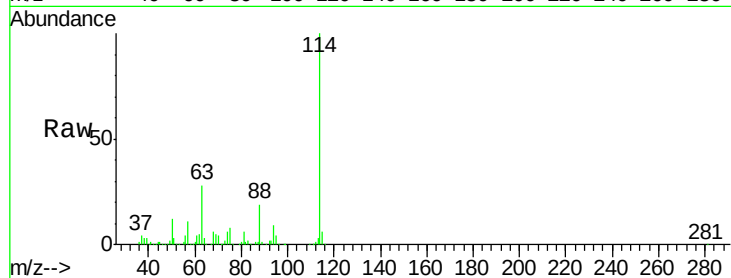
88 18.5 15.0 22.4

Manual Integrations

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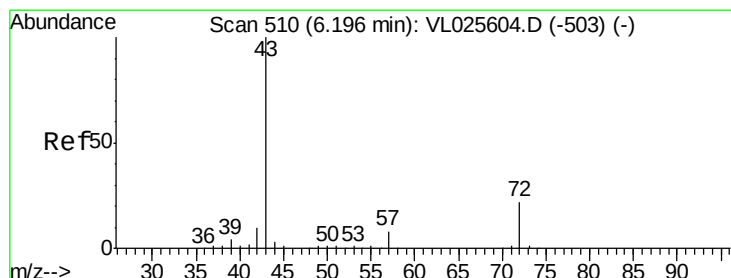
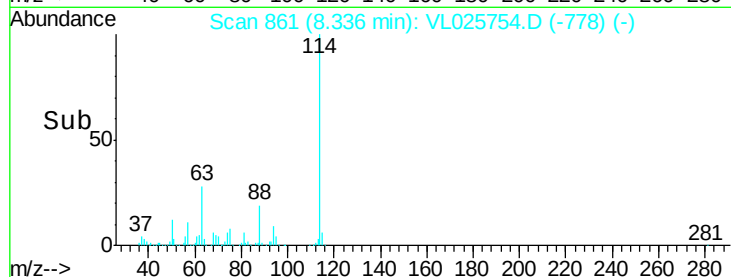
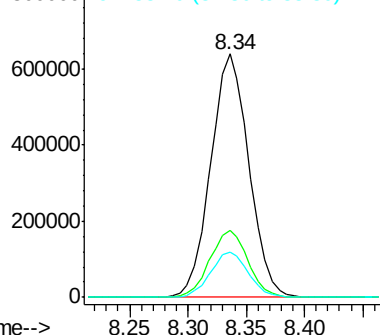
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 7.98 ppbv

RT: 6.20 min Scan# 511

Delta R.T. 0.01 min

Lab File: VL025754.D

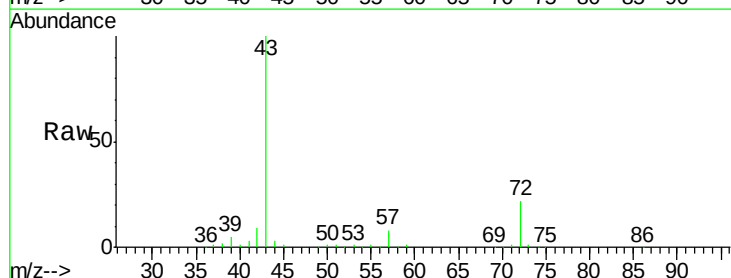
Acq: 27 Jul 2015 15:30

Tgt Ion: 43 Resp: 661904

Ion Ratio Lower Upper

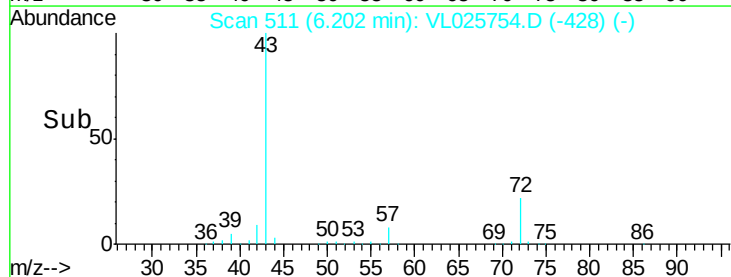
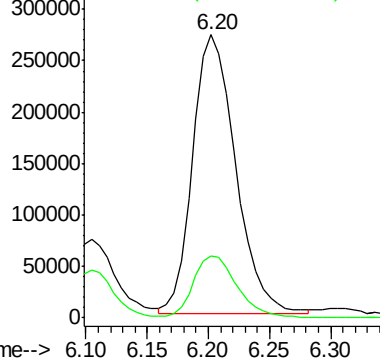
43 100

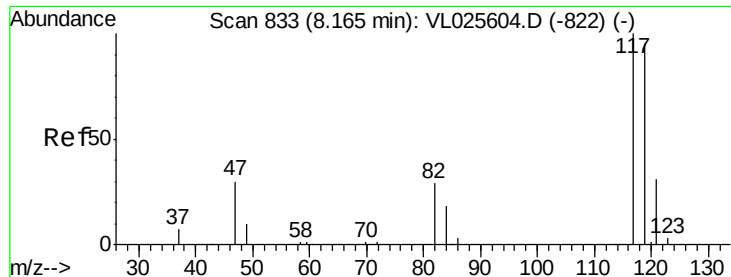
72 23.2 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.15 ppbv

RT: 8.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampled :

PR1

Tgt Ion: 117 Resp: 22949

Ion Ratio Lower Upper

117 100

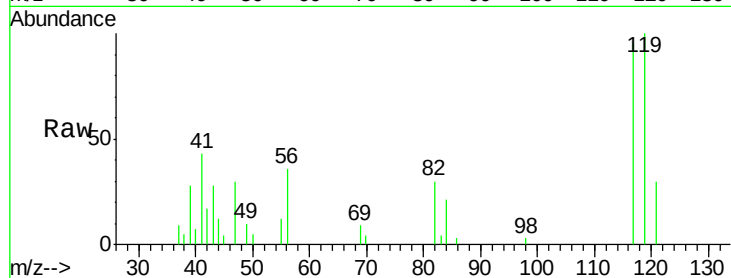
119 100.7 75.9 113.9

121 31.8 24.4 36.6

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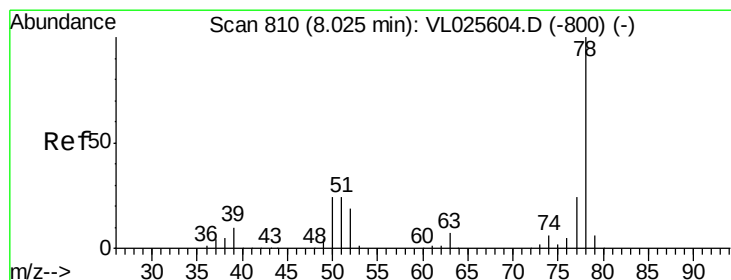
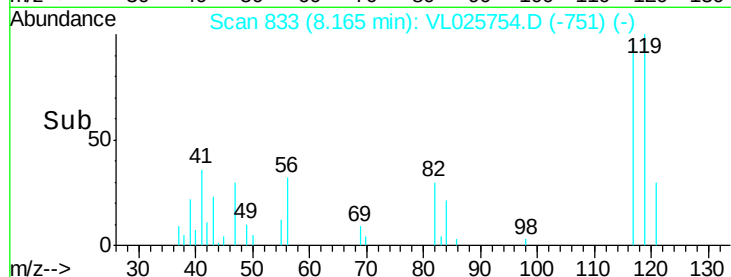
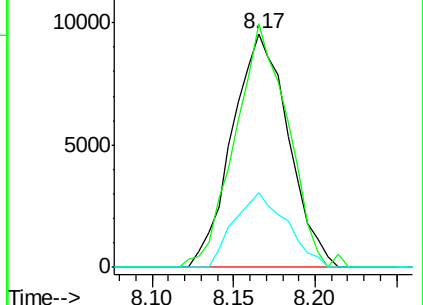
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.26 ppbv

RT: 8.02 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

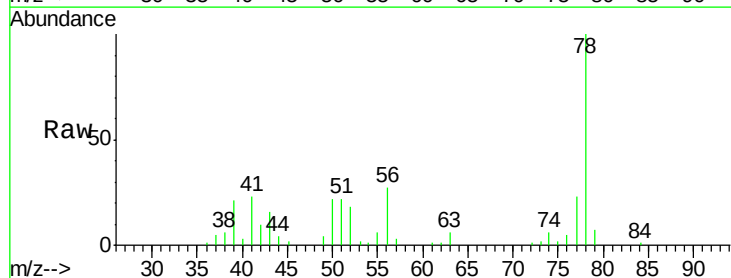
Tgt Ion: 78 Resp: 176036

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.4

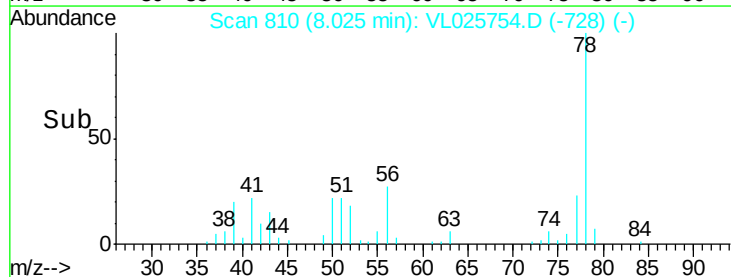
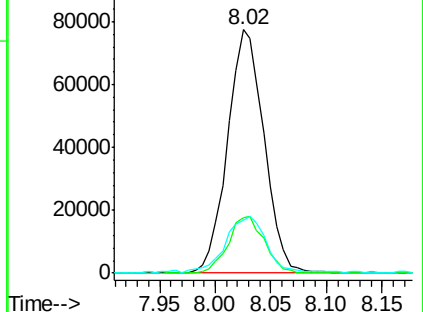
50 21.3 19.2 28.8

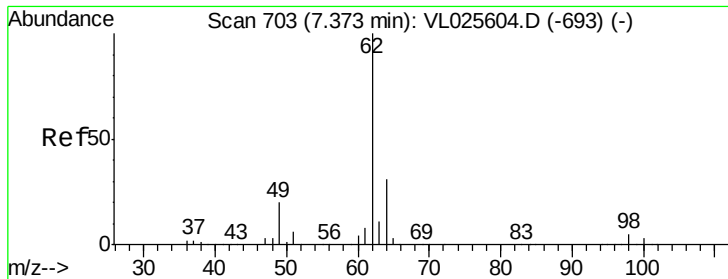


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





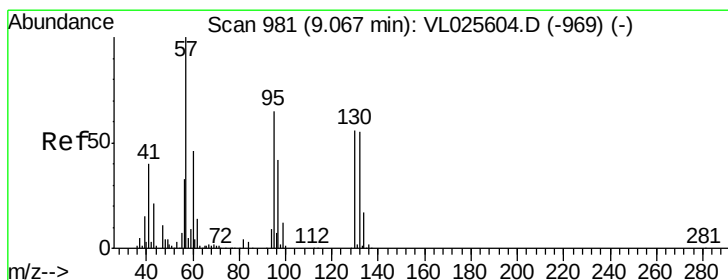
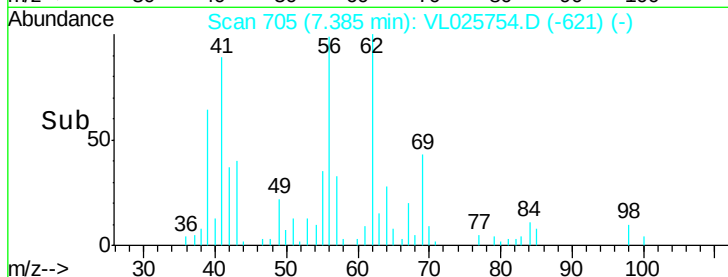
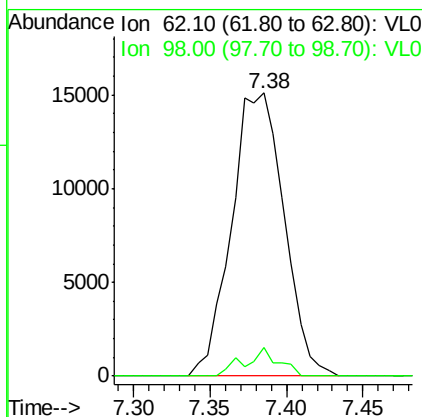
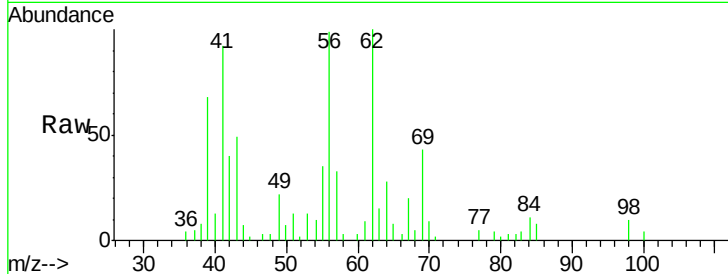
#37
 1,2-Dichloroethane
 Concen: 0.30 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Instrument :
 MSVOA_L
 ClientSampleId :
 PR1

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.1	6.1#

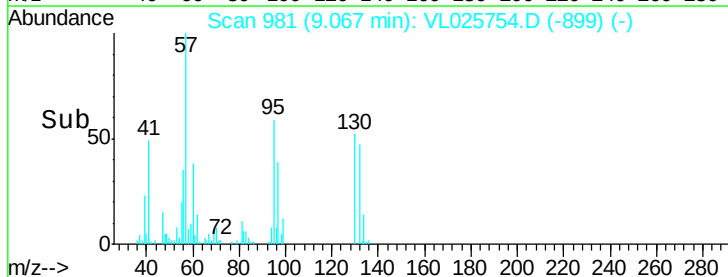
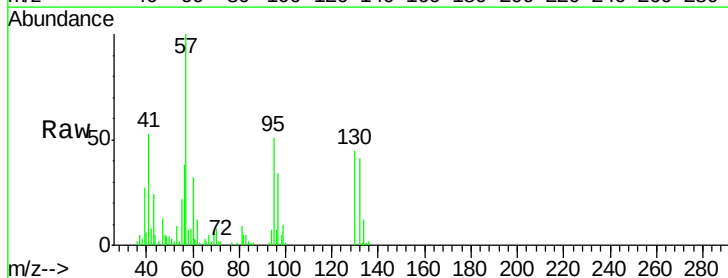
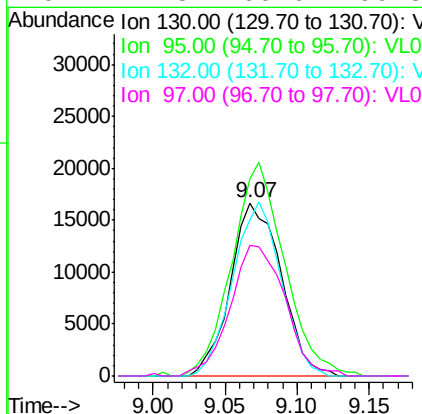
Manual Integrations
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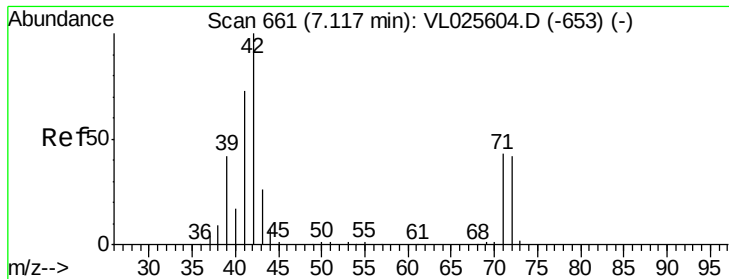
MMDadoda
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#38
 Trichloroethene
 Concen: 0.63 ppbv
 RT: 9.07 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.6	94.2	141.4
132	90.3	78.6	118.0
97	72.8	60.6	90.8





#41

Tetrahydrofuran

Concen: 4.08 ppbv

RT: 7.12 min Scan# 662

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

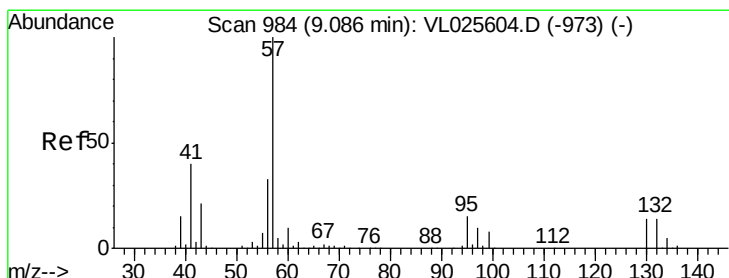
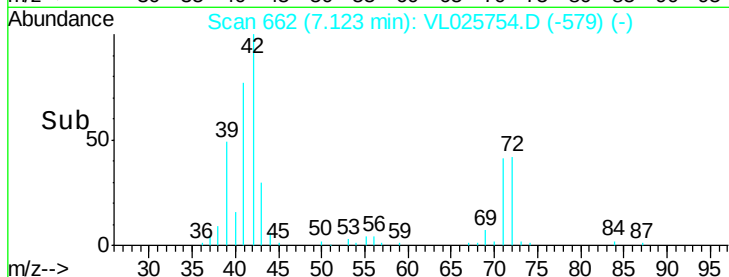
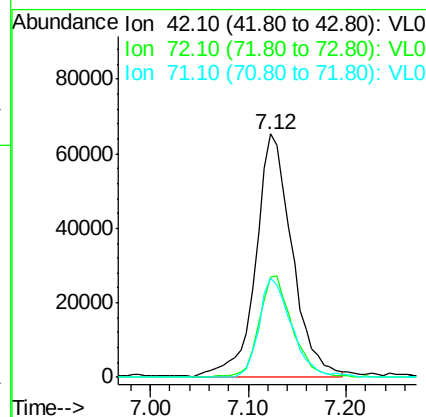
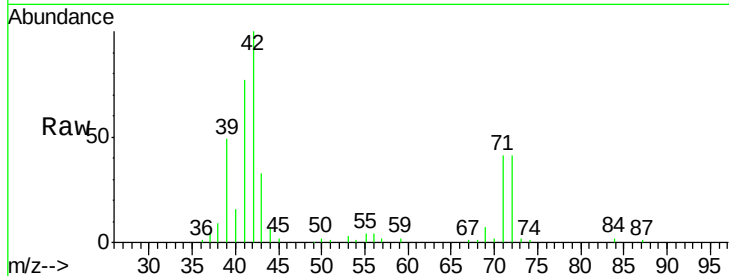
ClientSampleId :

PR1

Tgt Ion:	42	Resp:	168955
Ion	Ratio	Lower	Upper
42	100		
72	38.1	34.0	51.0
71	36.6	33.0	49.6

Manual Integrations
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7/28/2015 12:56:44 PM



#44

2,2,4-Trimethylpentane

Concen: 0.83 ppbv

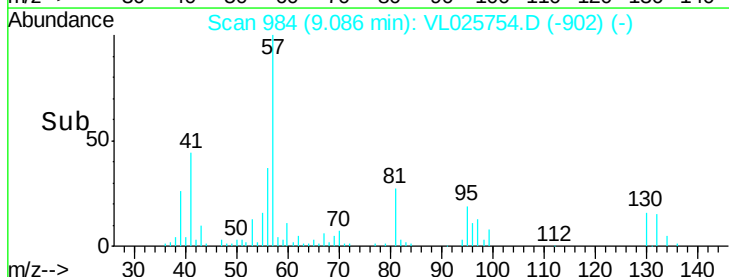
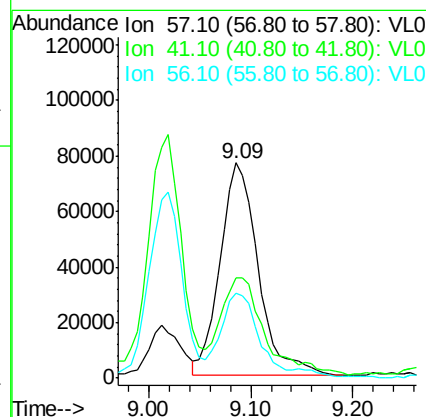
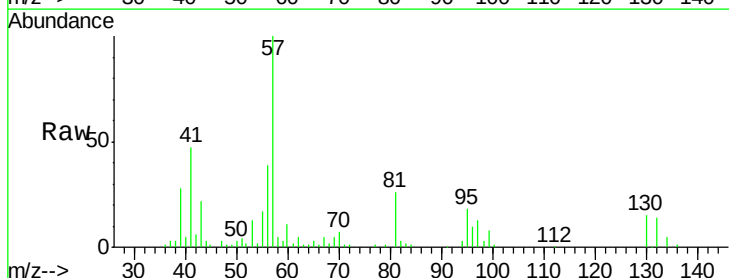
RT: 9.09 min Scan# 984

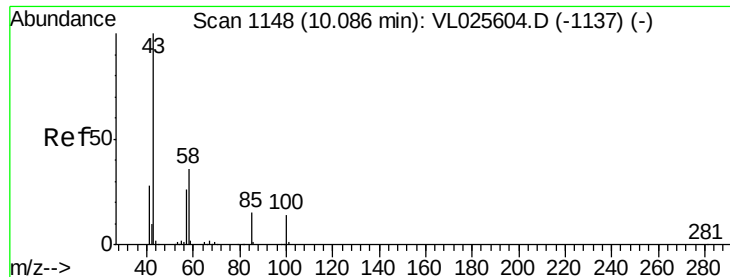
Delta R.T. 0.00 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Tgt Ion:	57	Resp:	199958
Ion	Ratio	Lower	Upper
57	100		
41	46.4	31.2	46.8
56	36.6	25.4	38.2





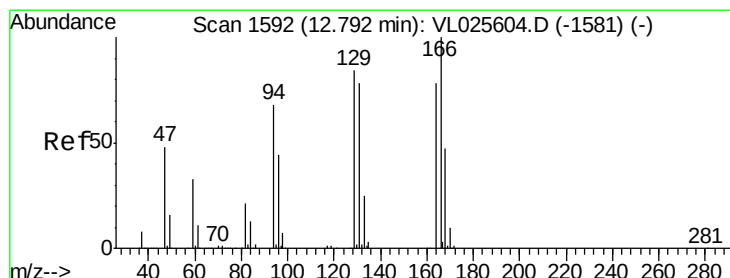
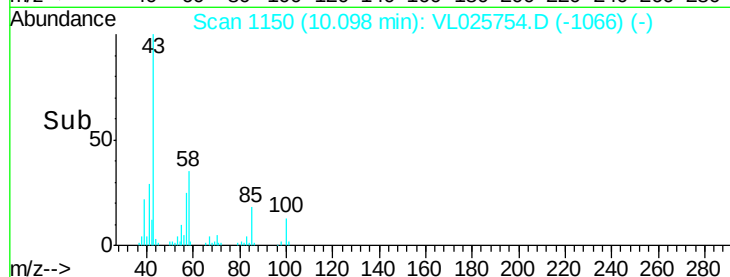
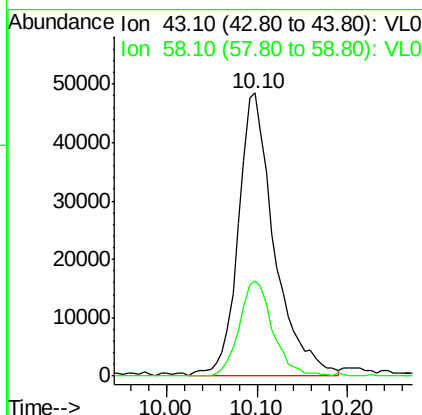
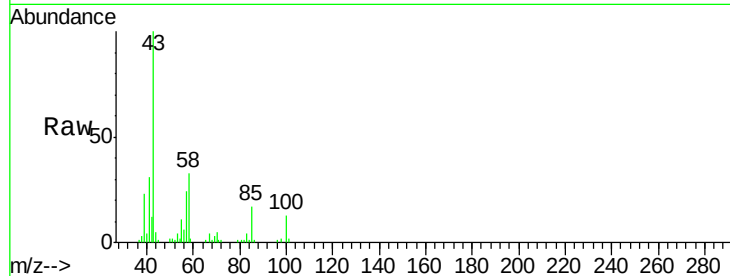
#50
 4-Methyl-2-Pentanone
 Concen: 1.12 ppbv
 RT: 10.10 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Instrument :
 MSVOA_L
 ClientSampled :
 PR1

Tgt Ion: 43 Resp: 134132
 Ion Ratio Lower Upper
 43 100
 58 31.4 28.5 42.7

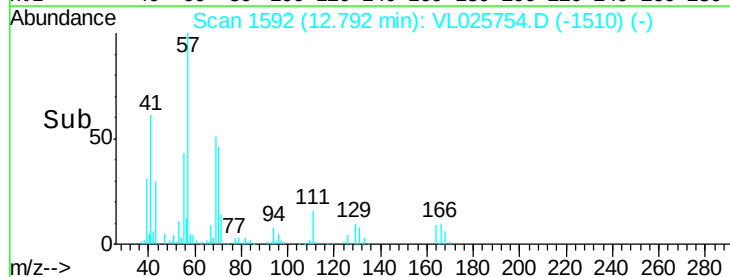
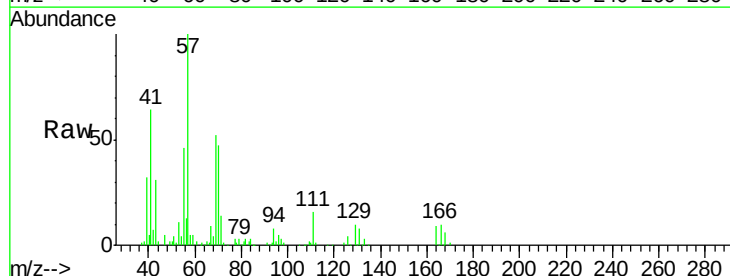
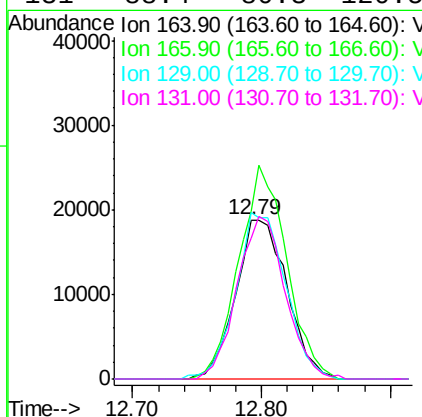
Manual Integrations
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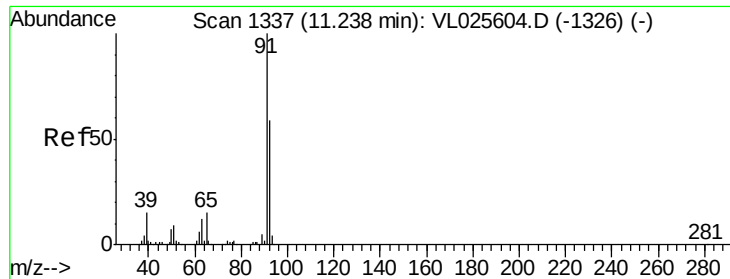
MMDadoda
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#52
 Tetrachloroethene
 Concen: 0.74 ppbv
 RT: 12.79 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Tgt Ion: 164 Resp: 51968
 Ion Ratio Lower Upper
 164 100
 166 105.1 102.3 153.5
 129 104.9 86.2 129.4
 131 88.4 80.3 120.5





#53

Toluene

Concen: 15.71 ppbv

RT: 11.24 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampled :

PR1

Tgt Ion: 91 Resp: 3090744

Ion Ratio Lower Upper

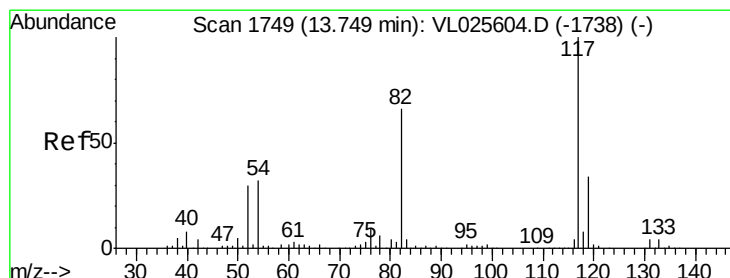
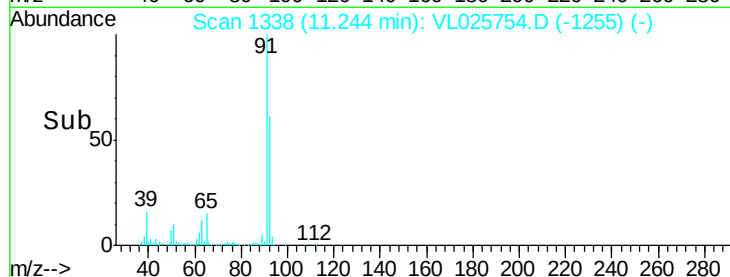
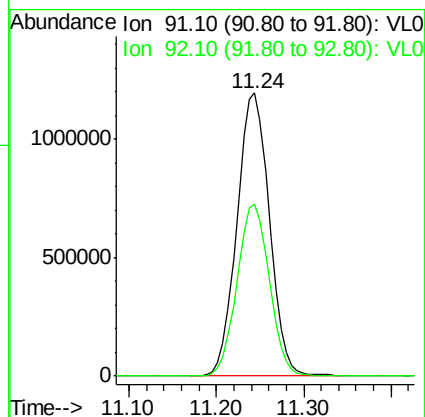
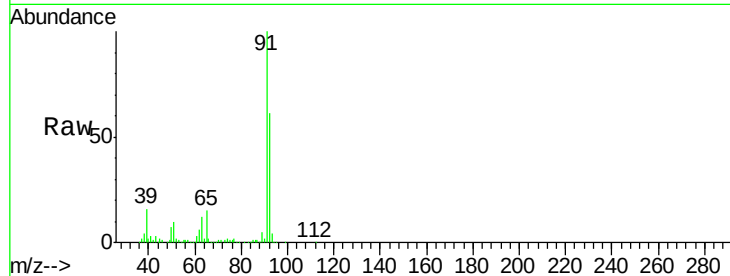
91 100

92 60.9 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.76 min Scan# 1750

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

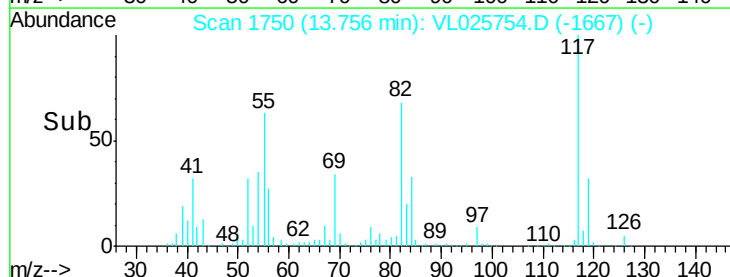
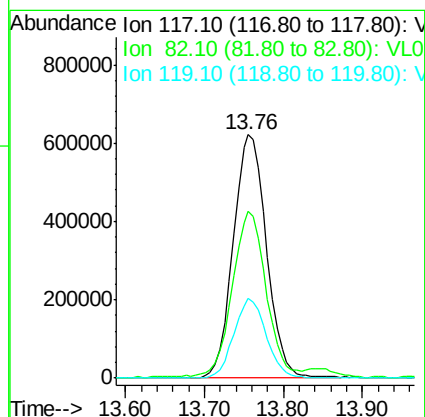
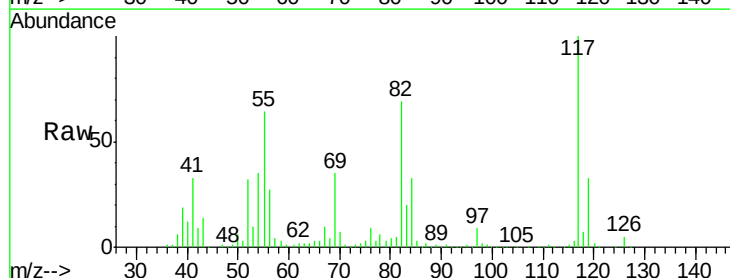
Tgt Ion: 117 Resp: 1824196

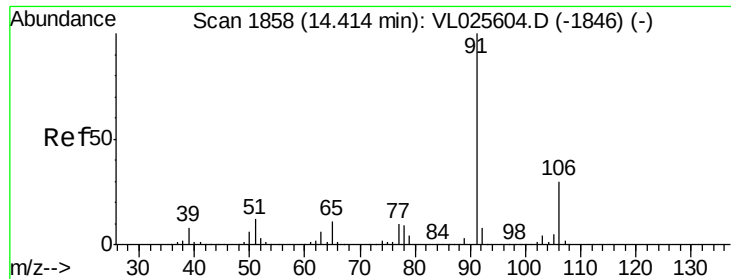
Ion Ratio Lower Upper

117 100

82 75.3 50.5 75.7

119 32.1 45.1 67.7#





#58

Ethyl Benzene

Concen: 3.05 ppbv

RT: 14.43 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampleId :

PR1

Tgt Ion: 91 Resp: 919352

Ion Ratio Lower Upper

91 100

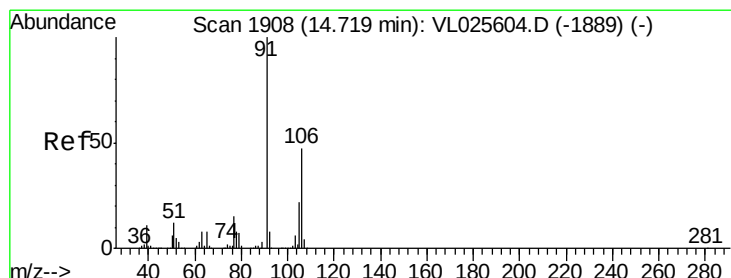
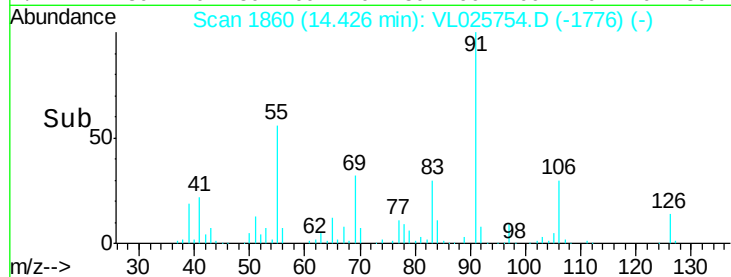
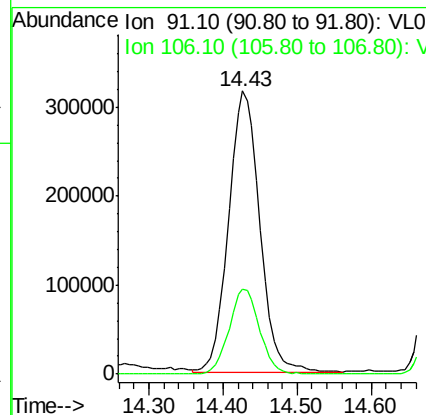
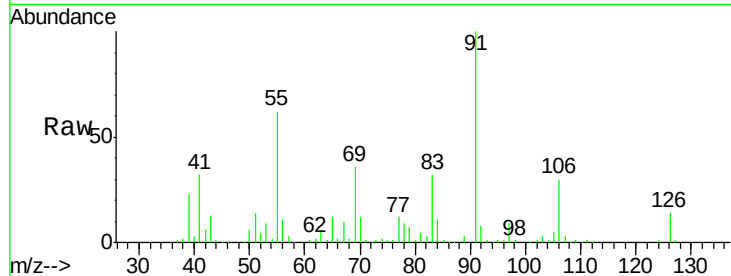
106 30.2 24.2 36.2

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#59

m/p-Xylene

Concen: 9.53 ppbv

RT: 14.71 min Scan# 1906

Delta R.T. -0.01 min

Lab File: VL025754.D

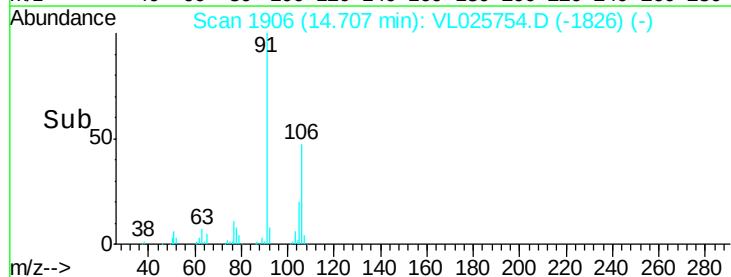
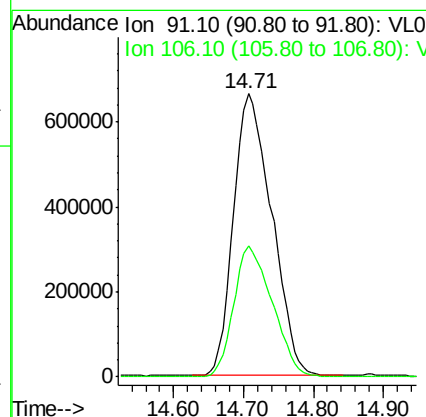
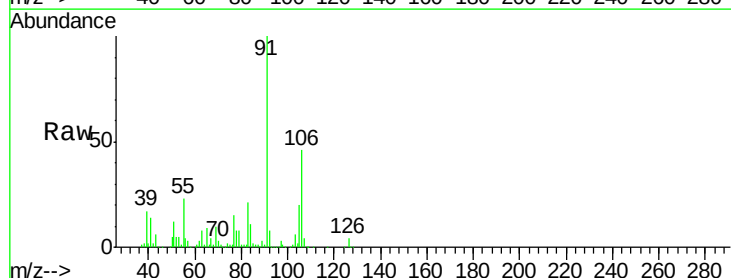
Acq: 27 Jul 2015 15:30

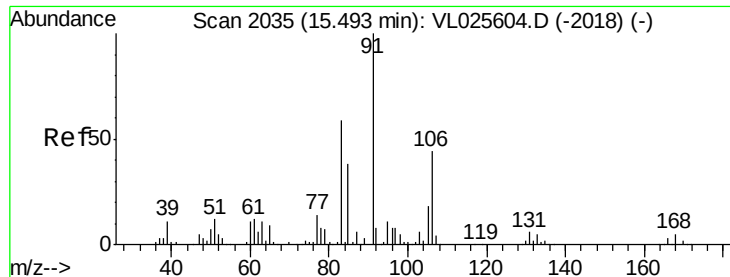
Tgt Ion: 91 Resp: 2524282

Ion Ratio Lower Upper

91 100

106 46.9 37.9 56.9





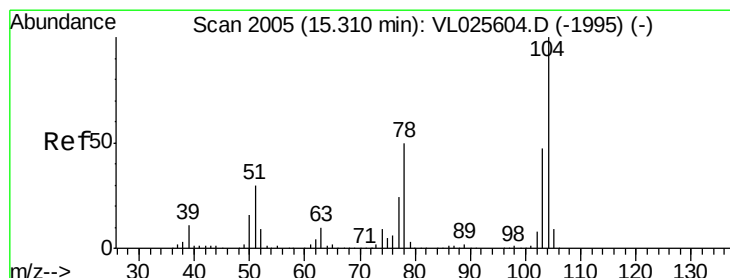
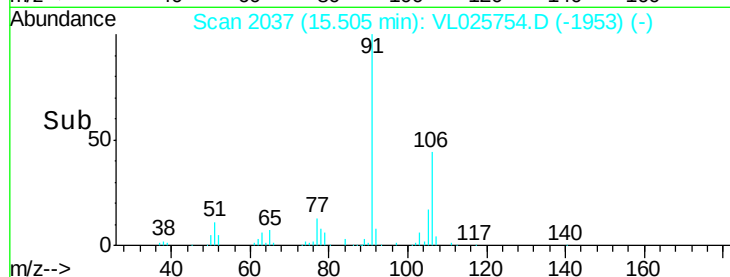
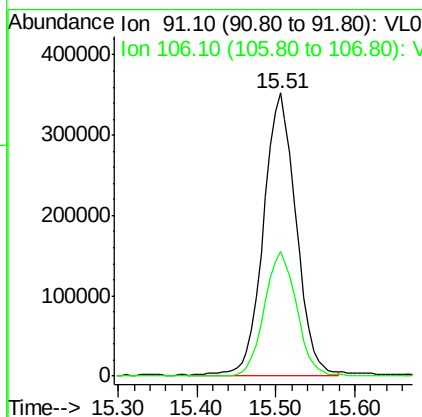
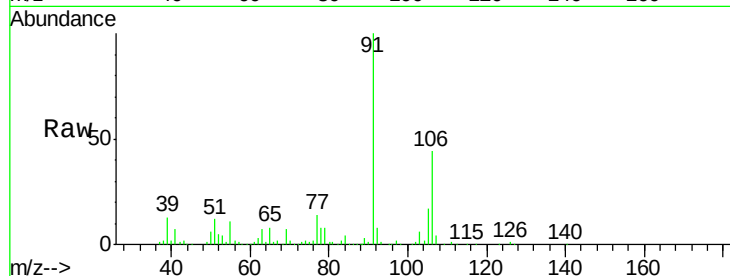
#60
o-Xylene
Concen: 3.52 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Instrument :
MSVOA_L
ClientSampled :
PR1

Tgt Ion: 91 Resp: 1003432
Ion Ratio Lower Upper
91 100
106 44.4 22.1 66.1

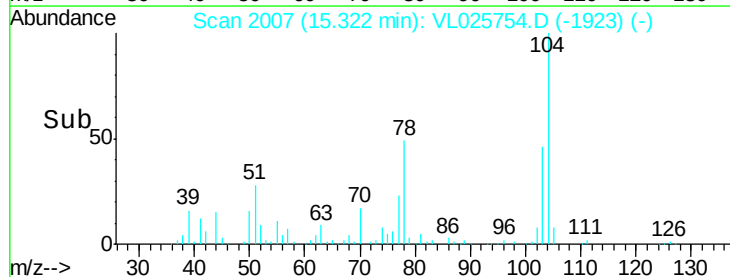
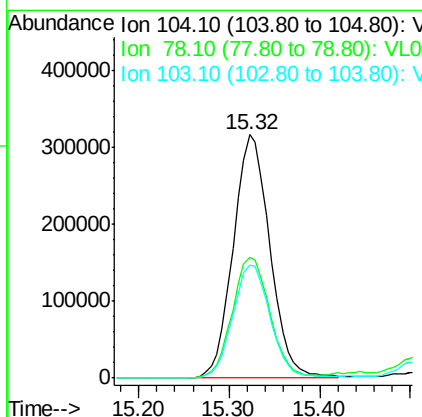
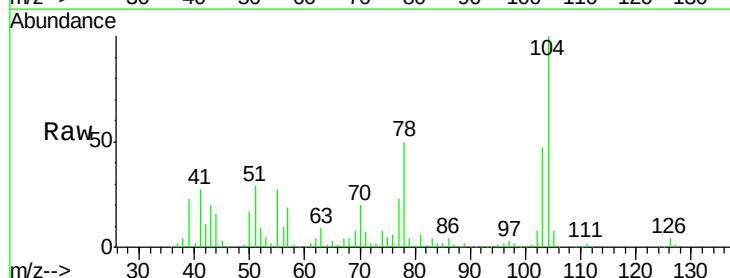
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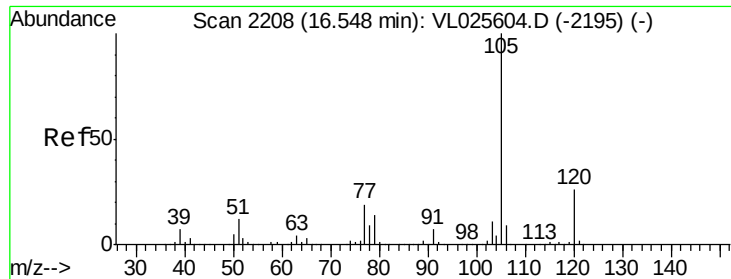
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#61
Styrene
Concen: 8.91 ppbv
RT: 15.32 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Tgt Ion: 104 Resp: 889863
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 47.6 37.4 56.2





#62

Isopropylbenzene

Concen: 2.49 ppbv

RT: 16.56 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampled :

PR1

Tgt Ion:105 Resp: 927444

Ion Ratio Lower Upper

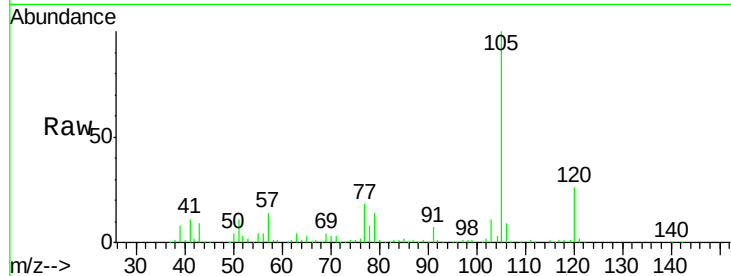
105 100

120 25.5 20.6 31.0

Manual Integrations
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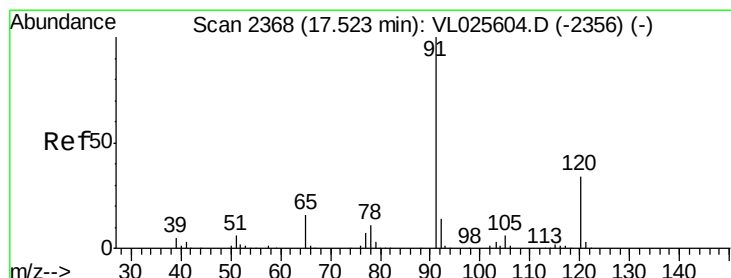
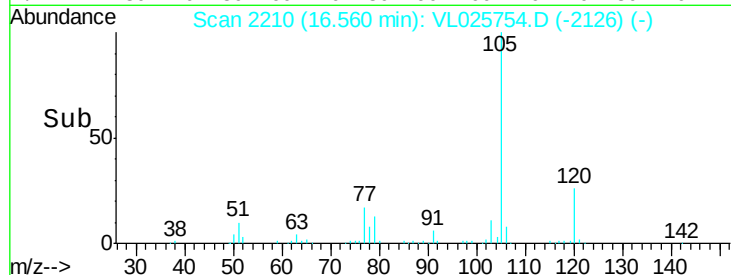
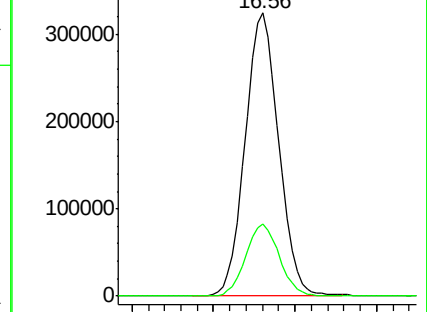
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 1.44 ppbv

RT: 17.54 min Scan# 2371

Delta R.T. 0.02 min

Lab File: VL025754.D

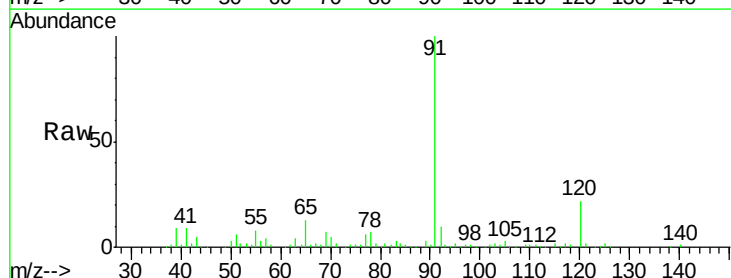
Acq: 27 Jul 2015 15:30

Tgt Ion:120 Resp: 145582

Ion Ratio Lower Upper

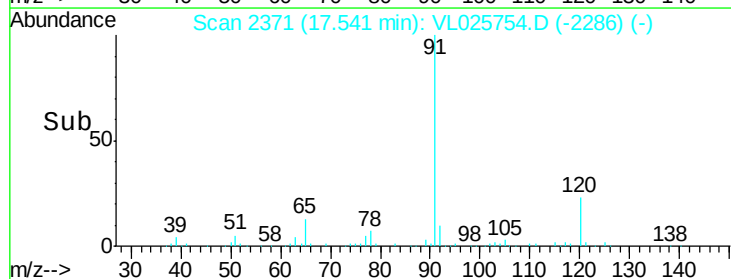
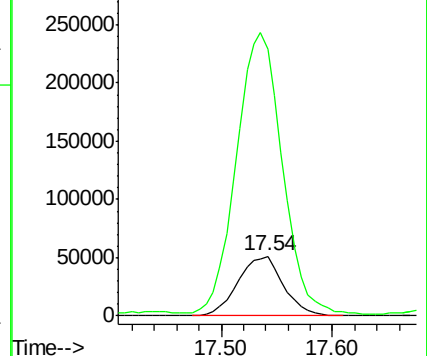
120 100

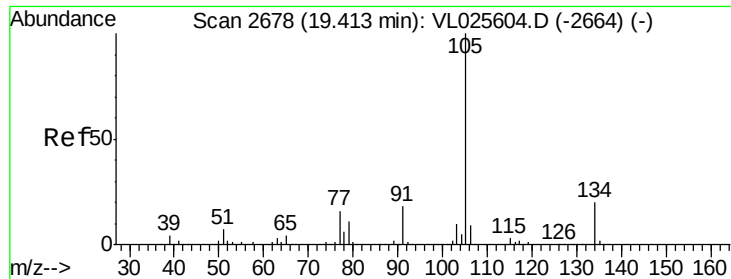
91 482.0 370.5 555.7



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





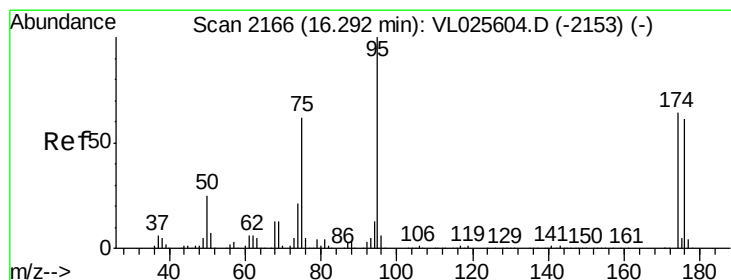
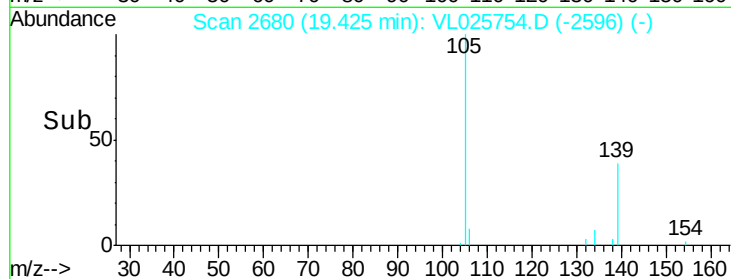
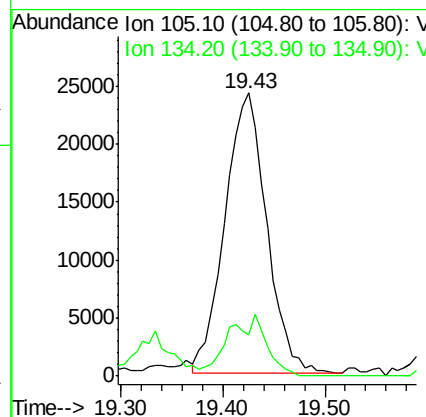
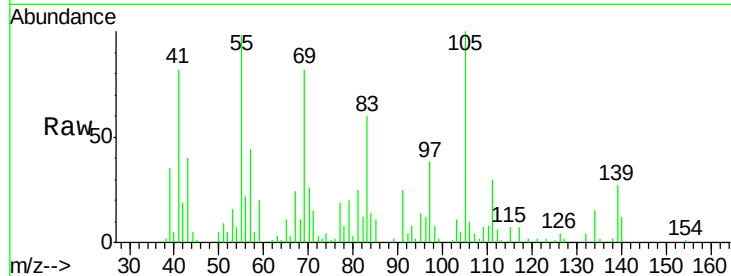
#67
 sec-Butylbenzene
 Concen: 0.13 ppbv
 RT: 19.43 min Scan# 2680
 Delta R.T. 0.01 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Instrument :
 MSVOA_L
 ClientSampled :
 PR1

Tgt Ion: 105 Resp: 68131
 Ion Ratio Lower Upper
 105 100
 134 20.3 15.4 23.2

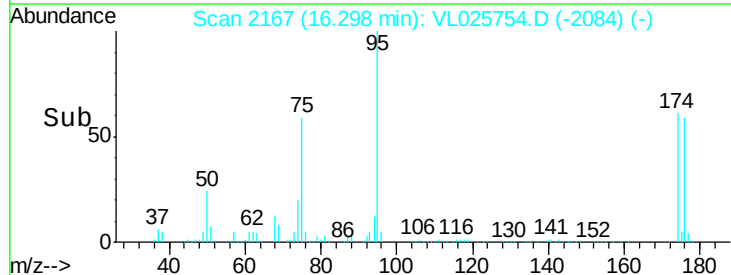
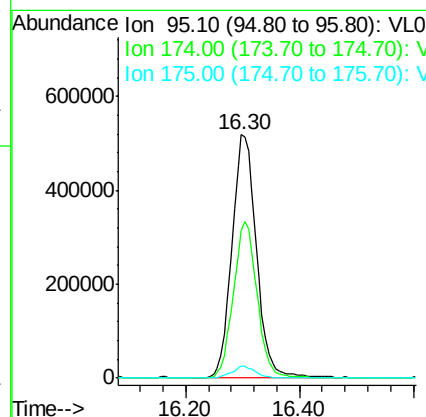
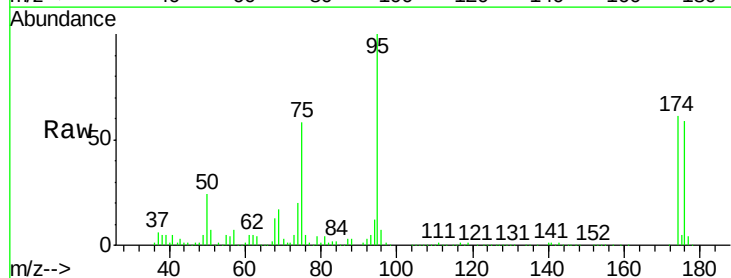
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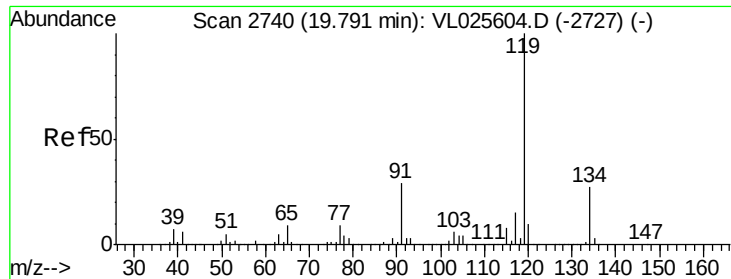
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.10 ppbv
 RT: 16.30 min Scan# 2167
 Delta R.T. 0.01 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Tgt Ion: 95 Resp: 1554601
 Ion Ratio Lower Upper
 95 100
 174 62.6 52.0 78.0
 175 4.7 3.9 5.9





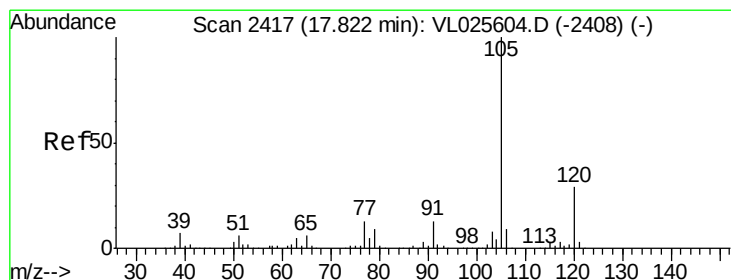
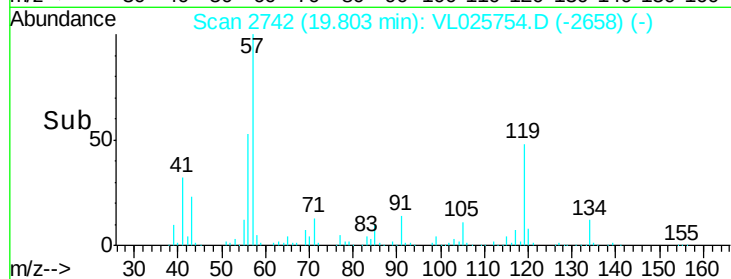
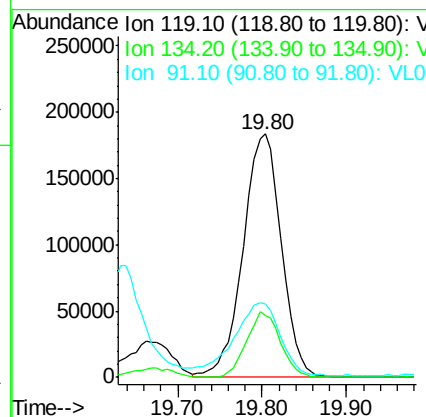
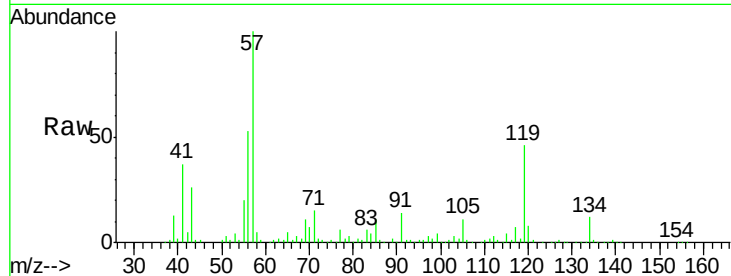
#69
p-Isopropyltoluene
Concen: 1.33 ppbv
RT: 19.80 min Scan# 2742
Delta R.T. 0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Instrument :
MSVOA_L
ClientSampled :
PR1

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	562930		
134	23.9	20.7	31.1	
91	36.6	22.6	34.0	

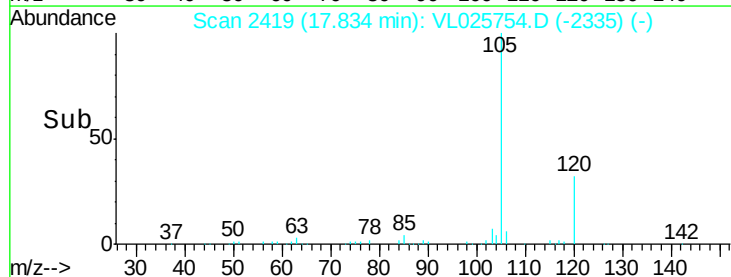
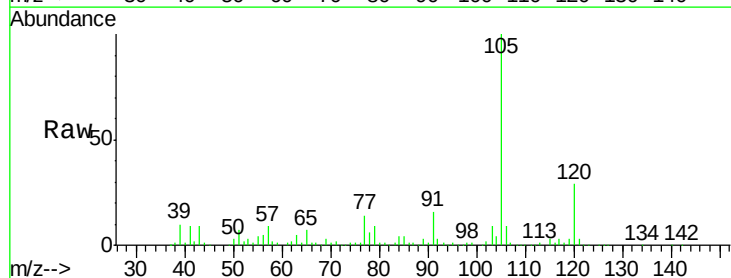
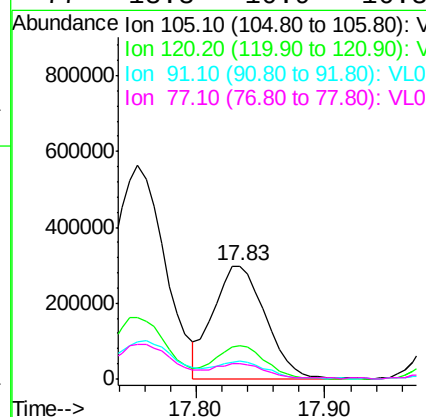
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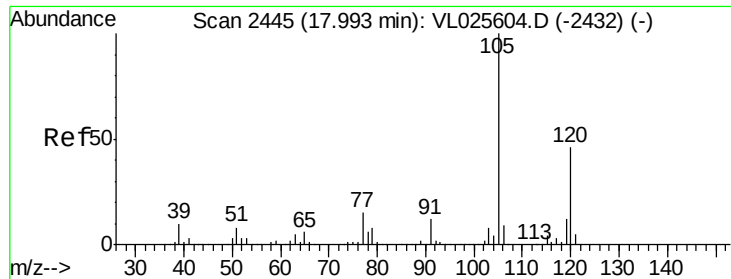
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#72
4-Ethyltoluene
Concen: 2.65 ppbv
RT: 17.83 min Scan# 2419
Delta R.T. 0.01 min
Lab File: VL025754.D
Acq: 27 Jul 2015 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	836614		
120	27.8	23.9	35.9	
91	15.2	10.3	15.5	
77	13.3	10.9	16.3	





#73

1,3,5-Trimethylbenzene

Concen: 1.99 ppbv

RT: 18.00 min Scan# 2446

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

ClientSampled :

PR1

Tgt Ion:105 Resp: 617160

Ion Ratio Lower Upper

105 100

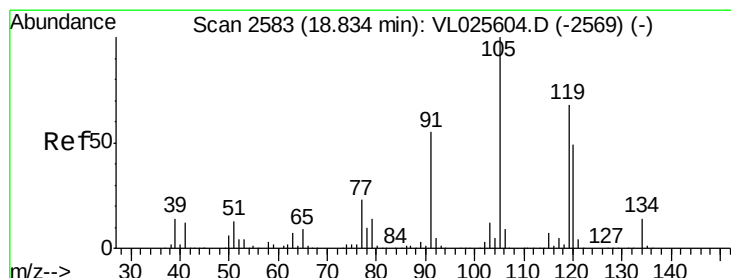
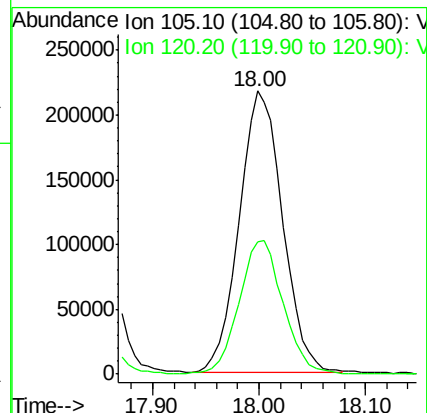
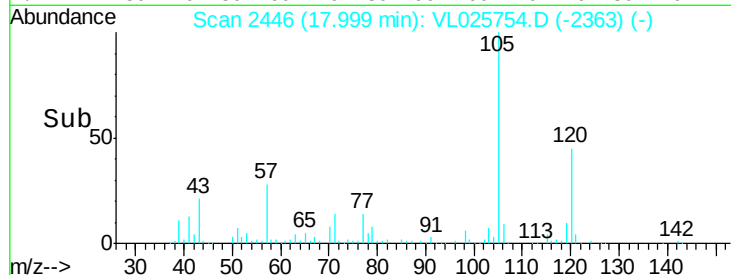
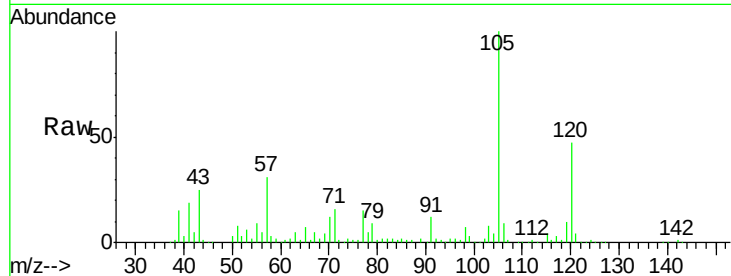
120 46.8 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 5.47 ppbv

RT: 18.85 min Scan# 2585

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Tgt Ion:105 Resp: 1896618

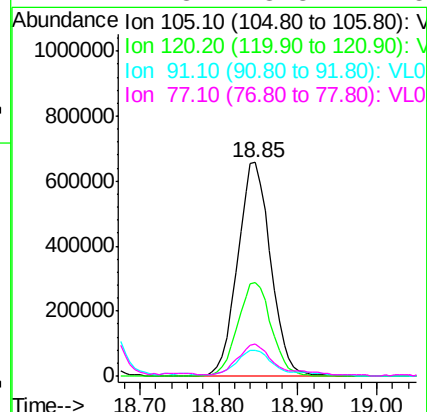
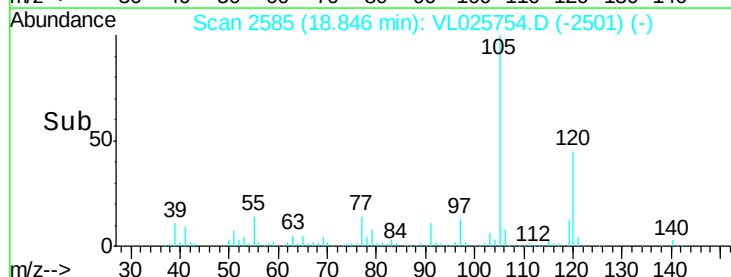
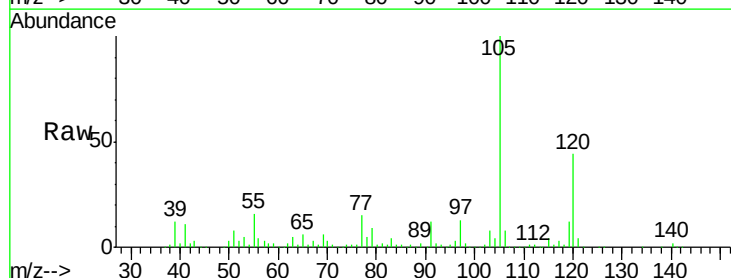
Ion Ratio Lower Upper

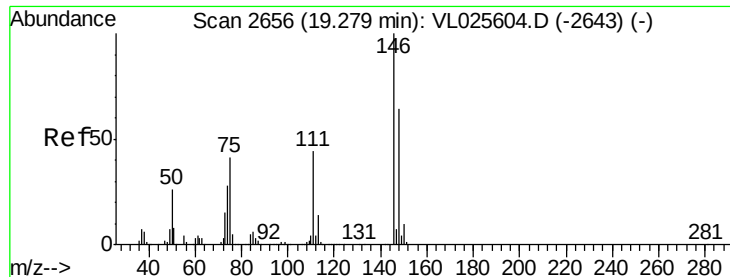
105 100

120 43.7 39.3 58.9

91 11.7 43.8 65.6#

77 14.3 18.3 27.5#





#76

1,4-Dichlorobenzene

Concen: 0.36 ppbv

RT: 19.28 min Scan# 2657

Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Instrument :

MSVOA_L

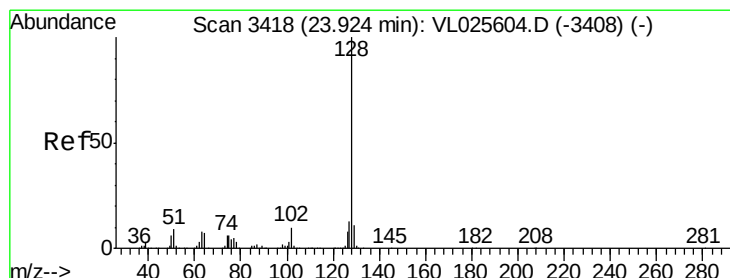
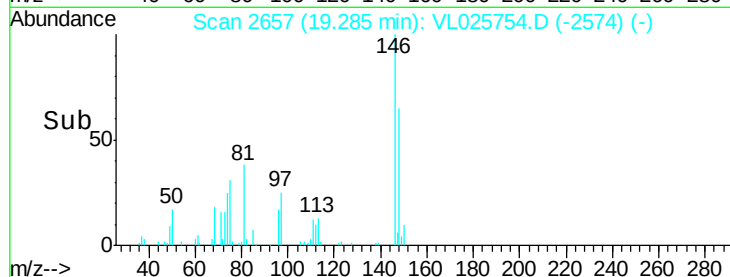
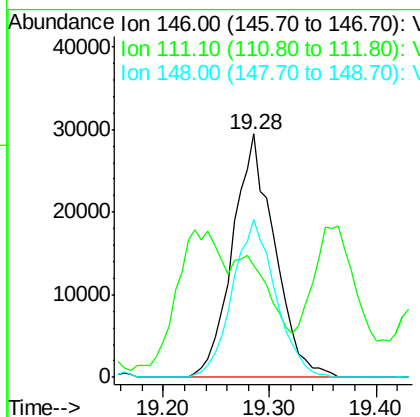
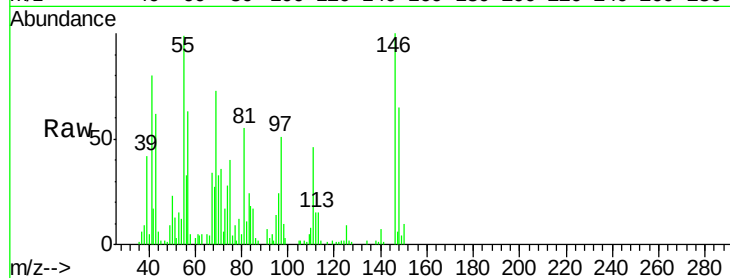
ClientSampled :

PR1

Tgt Ion:	146	Resp:	81503
Ion Ratio	Lower	Upper	
146	100		
111	106.2	22.1	66.1#
148	66.3	31.9	95.9

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#79

Naphthalene

Concen: 1.31 ppbv

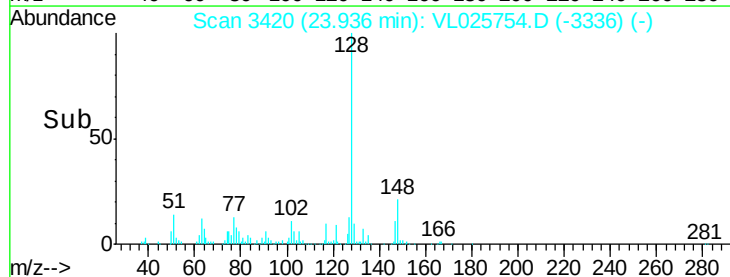
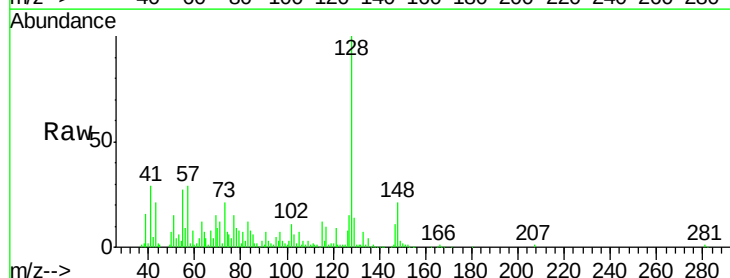
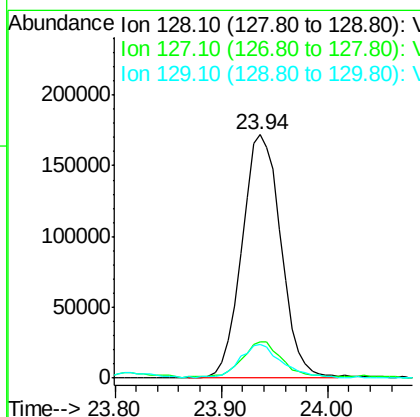
RT: 23.94 min Scan# 3420

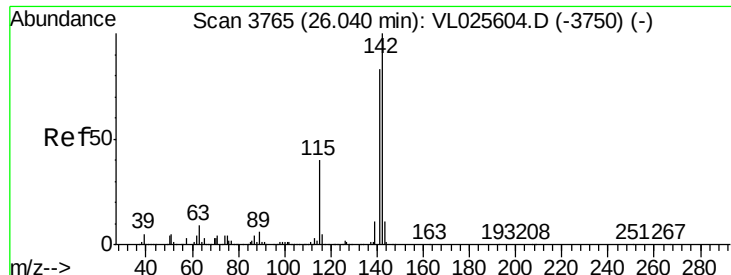
Delta R.T. 0.01 min

Lab File: VL025754.D

Acq: 27 Jul 2015 15:30

Tgt Ion:	128	Resp:	438936
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.8	16.2
129	13.7	9.0	13.4#





#80
 Naphthalene, 2-methyl-
 Concen: 0.24 ppbv
 RT: 26.05 min Scan# 3767
 Delta R.T. 0.01 min
 Lab File: VL025754.D
 Acq: 27 Jul 2015 15:30

Instrument :
 MSVOA_L
 ClientSampleId :
 PR1

Tgt Ion	Ratio	Lower	Upper
142	100		
141	107.4	67.1	100.7#
115	53.1	33.9	50.9#

Manual Integrations
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