

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027337.D
 Acq On : 21 Sep 2015 18:13
 Operator : MD\FY
 Sample : G3748-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB091815

Quant Time: Sep 22 01:31:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	715012	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1297915	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1087102	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	369615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	730538	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
36) Dibromofluoromethane	7.68	113	468107	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
51) Toluene-d8	10.19	98	1904585	58.17	ug/l	0.00
Spiked Amount			Recovery	=	116.34%	
63) 4-Bromofluorobenzene	12.52	95	619131	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	

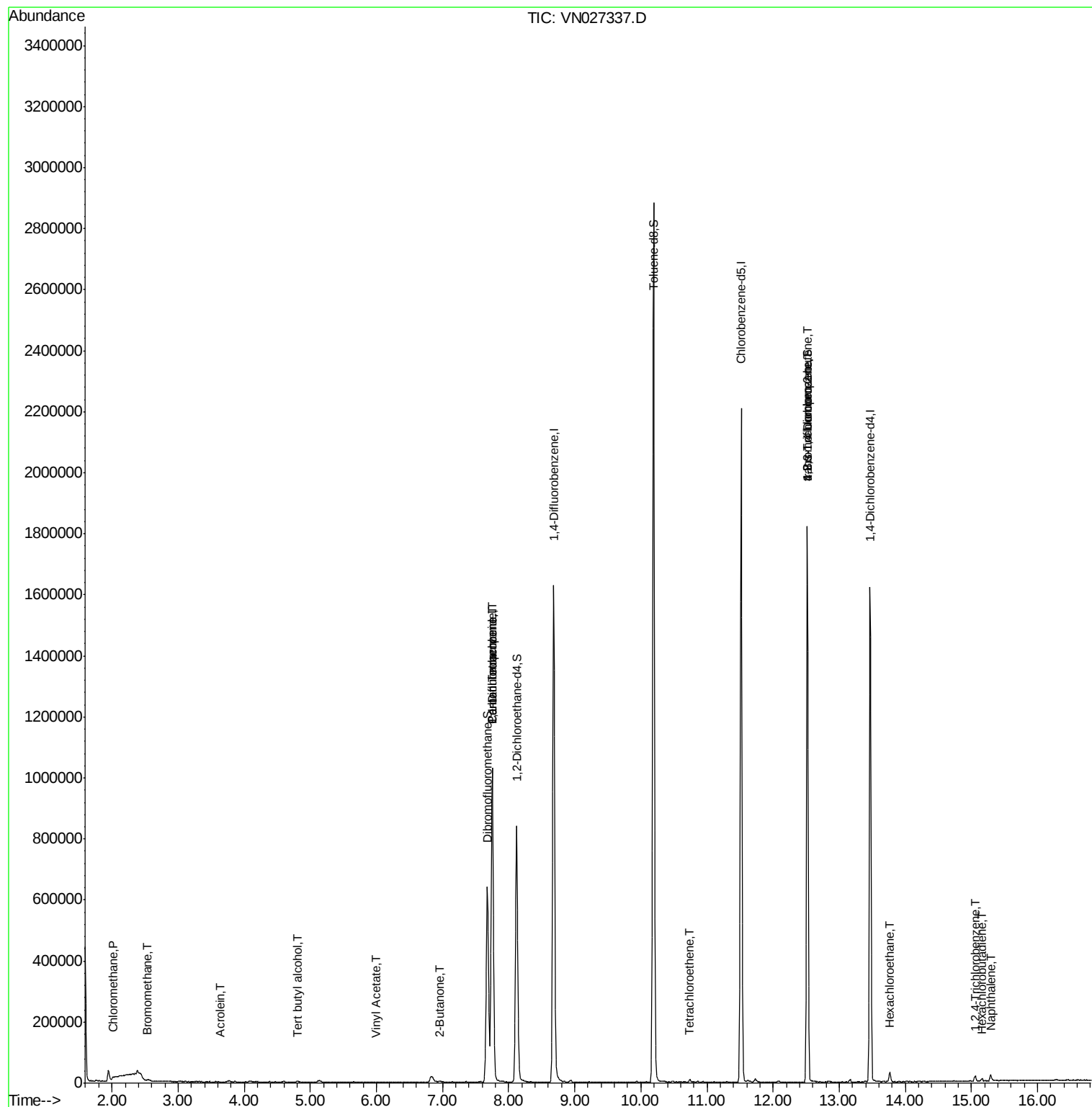
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	2005	0.24	ug/l #	86
6) Bromomethane	2.55	94	1998	0.52	ug/l	88
12) Tert butyl alcohol	4.80	59	694	0.62	ug/l #	82
14) Acrolein	3.64	56	306	0.21	ug/l #	69
24) Vinyl Acetate	5.98	43	346	9.31	ug/l #	76
26) 2-Butanone	6.96	43	2297	0.46	ug/l #	89
32) Cyclohexane	7.75	56	22890	Below Cal	#	1
37) 1,1-Dichloropropene	7.75	75	76210	5.45	ug/l #	51
39) Carbon Tetrachloride	7.75	117	83308	6.33	ug/l #	16
65) Tetrachloroethene	10.75	164	1317	0.20	ug/l #	79
77) 1,2,3-Trichloropropane	12.52	75	360431	38.84	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	360431	99.60	ug/l #	4
91) Hexachloroethane	13.77	117	1724	0.30	ug/l #	15
94) 1,2,4-Trichlorobenzene	15.06	180	4770	0.74	ug/l	95
95) Hexachlorobutadiene	15.16	225	1350	0.38	ug/l	84
96) Naphthalene	15.29	128	17051	4.61	ug/l	98

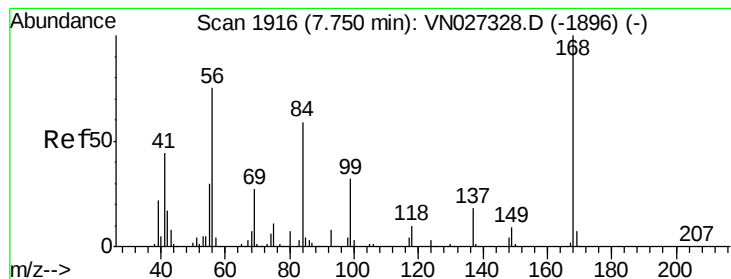
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampleId :

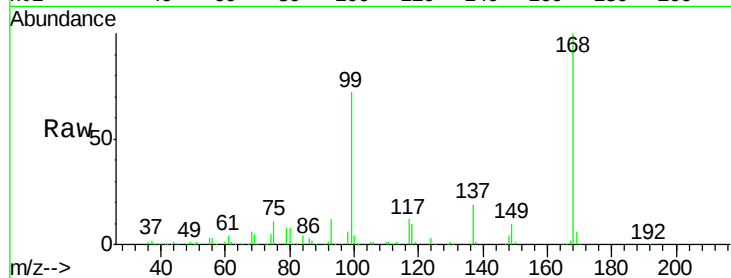
TB091815

Tgt Ion:168 Resp: 715012

Ion Ratio Lower Upper

168 100

99 72.3 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

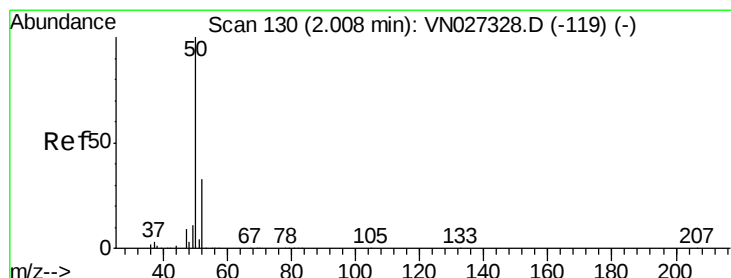
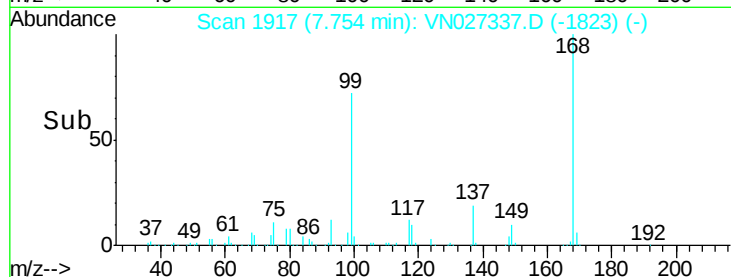
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.24 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027337.D

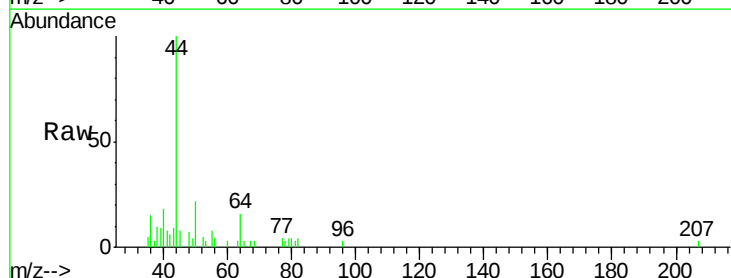
Acq: 21 Sep 2015 18:13

Tgt Ion: 50 Resp: 2005

Ion Ratio Lower Upper

50 100

52 24.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.00

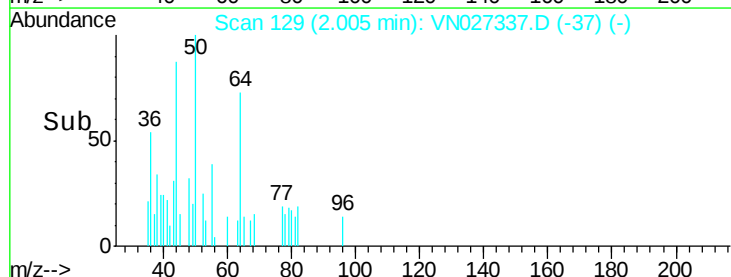
1500

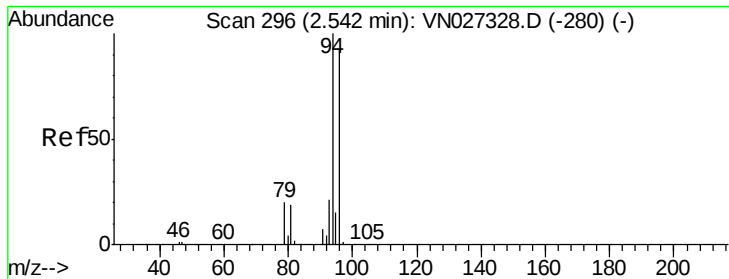
1000

500

0

Time-->





#6

Bromomethane

Concen: 0.52 ug/l

RT: 2.55 min Scan# 298

Delta R.T. 0.01 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampleId :

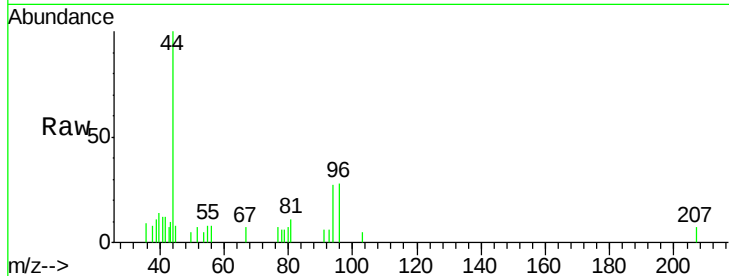
TB091815

Tgt Ion: 94 Resp: 1998

Ion Ratio Lower Upper

94 100

96 103.3 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

800

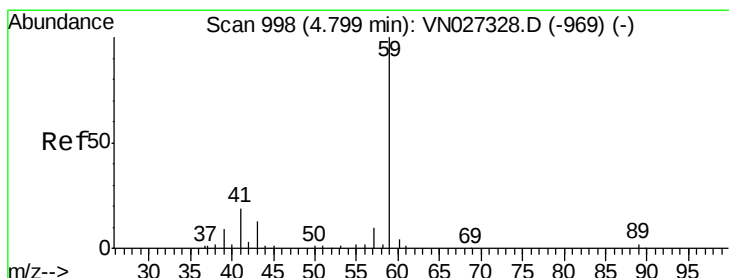
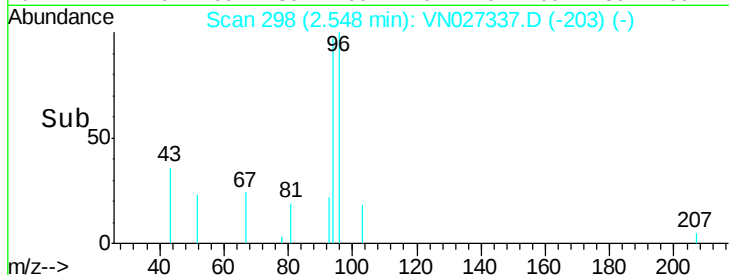
600

400

200

0

Time-->



#12

Tert butyl alcohol

Concen: 0.62 ug/l

RT: 4.80 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN027337.D

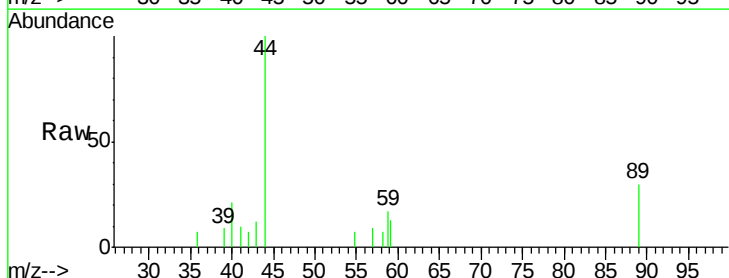
Acq: 21 Sep 2015 18:13

Tgt Ion: 59 Resp: 694

Ion Ratio Lower Upper

59 100

57 16.1 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.80

800

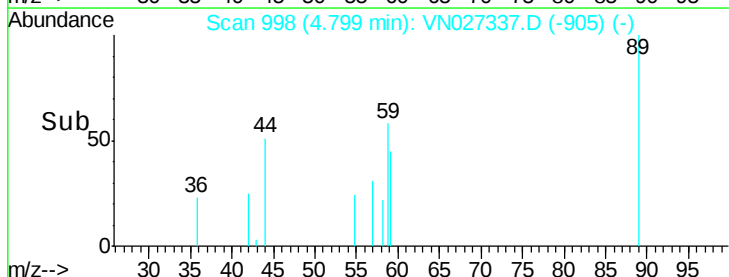
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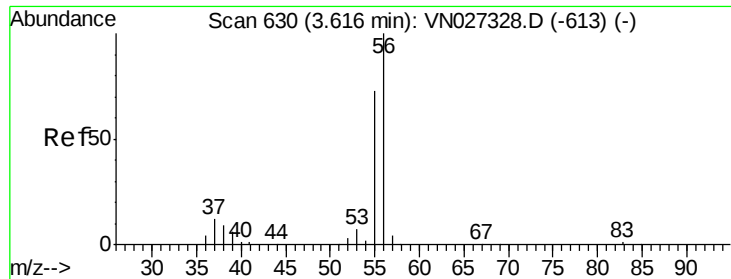
400

200

0

Time-->





#14

Acrolein

Concen: 0.21 ug/l

RT: 3.64 min Scan# 639

Delta R.T. 0.03 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampleId :

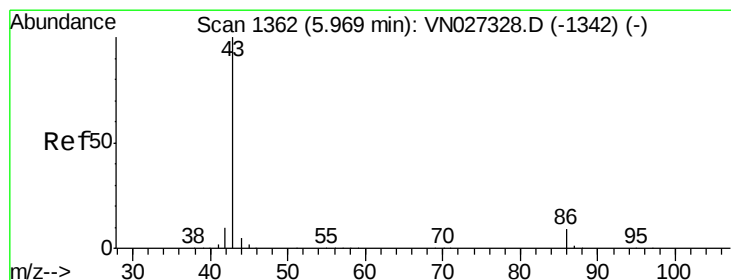
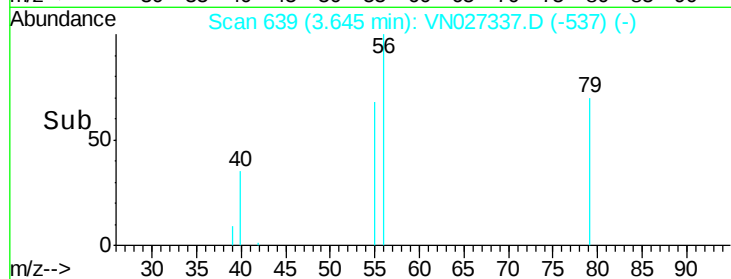
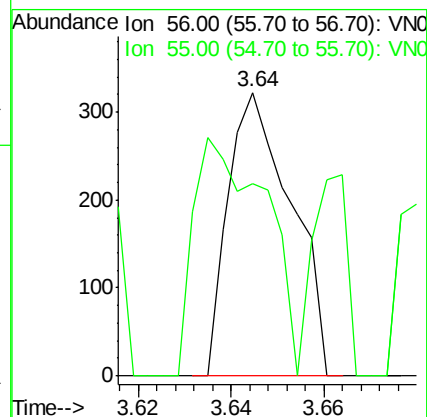
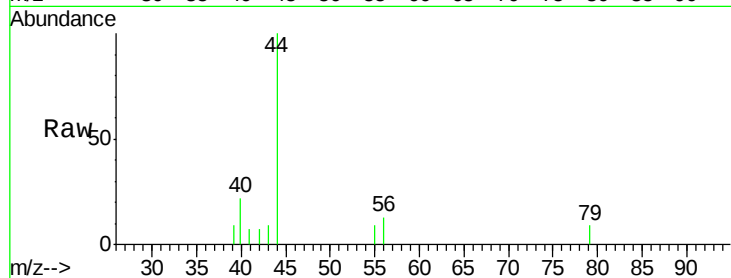
TB091815

Tgt Ion: 56 Resp: 306

Ion Ratio Lower Upper

56 100

55 94.8 55.7 83.5#



#24

Vinyl Acetate

Concen: 9.31 ug/l

RT: 5.98 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VN027337.D

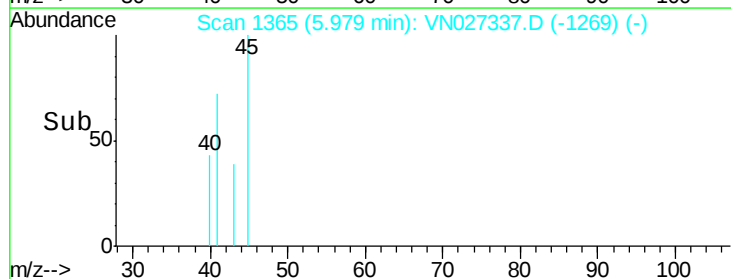
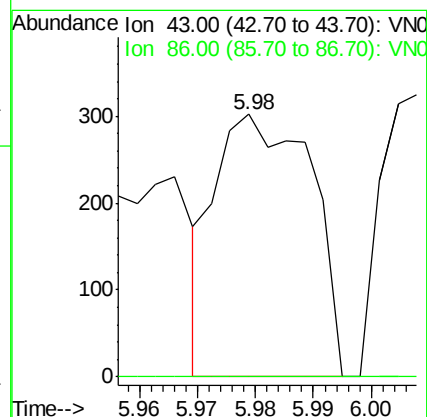
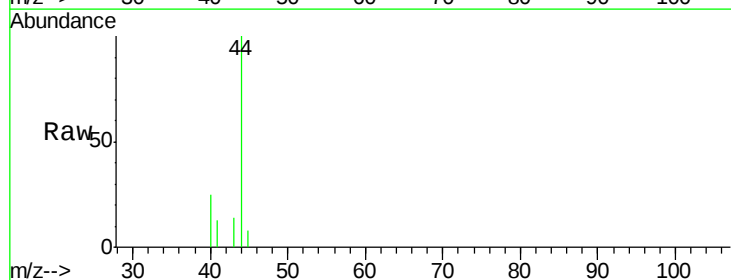
Acq: 21 Sep 2015 18:13

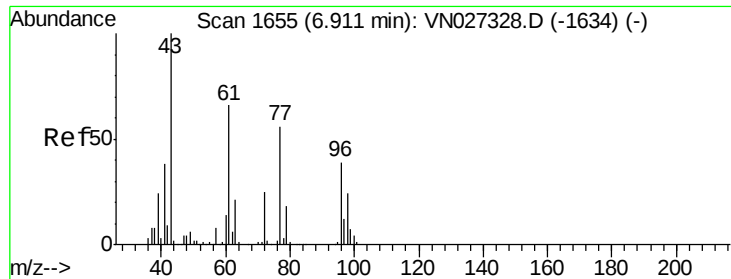
Tgt Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

86 0.0 6.9 10.3#

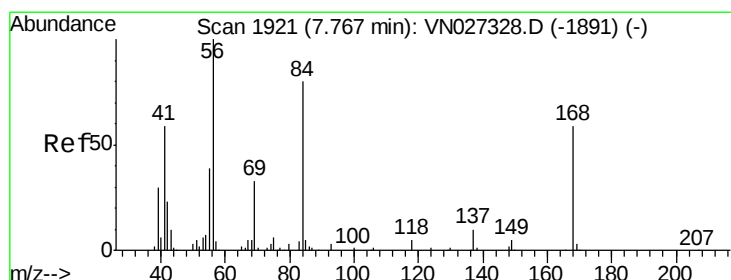
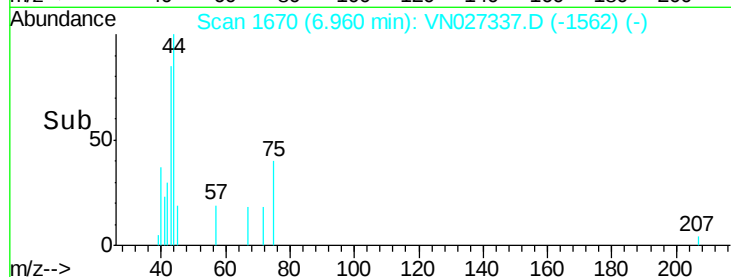
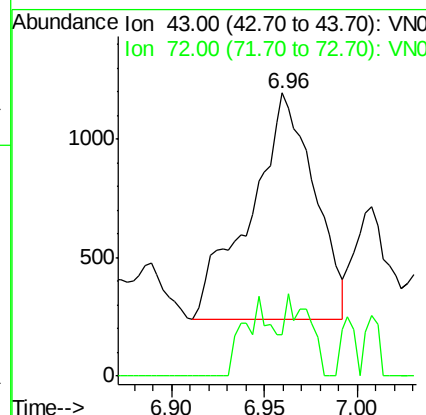
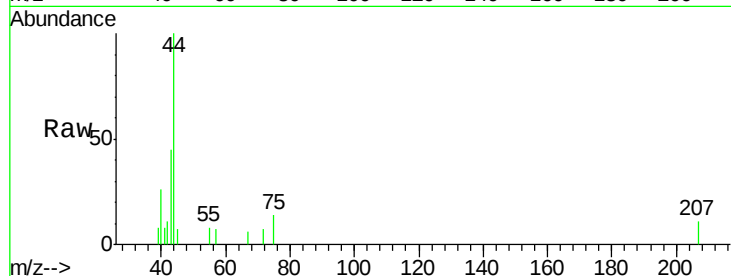




#26
2-Butanone
Concen: 0.46 ug/l
RT: 6.96 min Scan# 1670
Delta R.T. 0.05 min
Lab File: VN027337.D
Acq: 21 Sep 2015 18:13

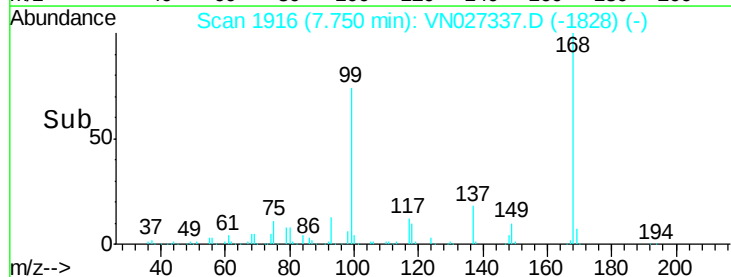
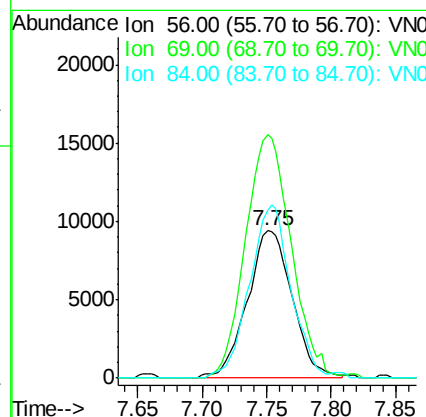
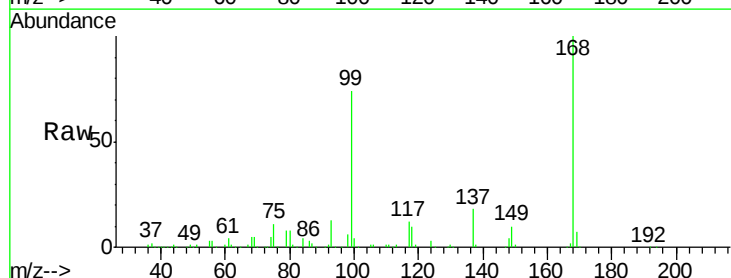
Instrument :
MSVOA_N
ClientSampled :
TB091815

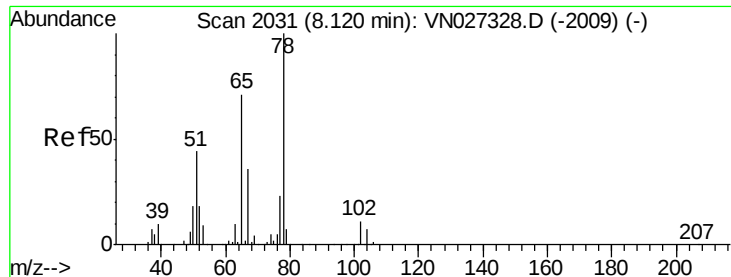
Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
72 18.2 18.8 28.2#



#32
Cyclohexane
Concen: Below Cal
RT: 7.75 min Scan# 1916
Delta R.T. -0.02 min
Lab File: VN027337.D
Acq: 21 Sep 2015 18:13

Tgt Ion: 56 Resp: 22890
Ion Ratio Lower Upper
56 100
69 165.4 23.0 34.4#
84 114.2 57.8 86.8#

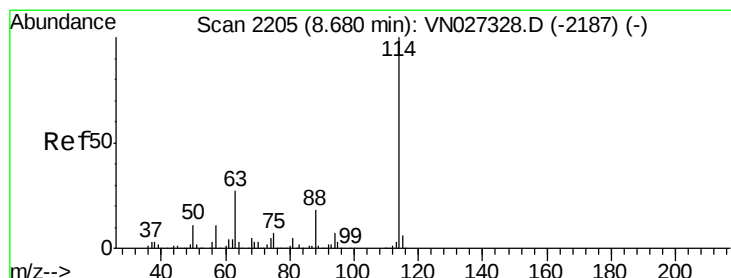
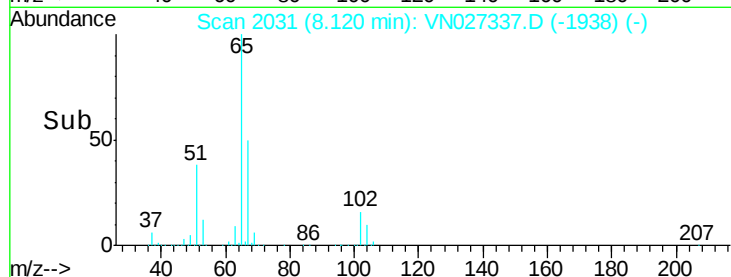
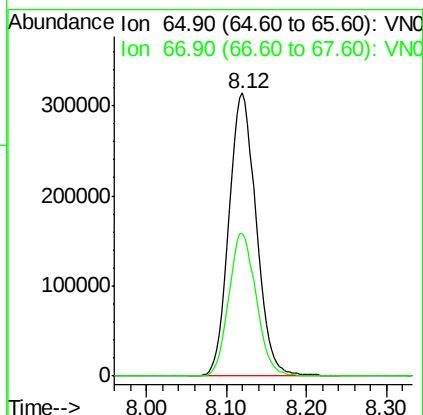
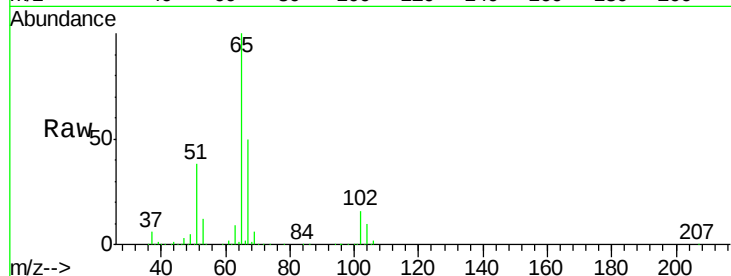




#34
 1,2-Dichloroethane-d4
 Concen: 52.19 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: VN027337.D
 Acq: 21 Sep 2015 18:13

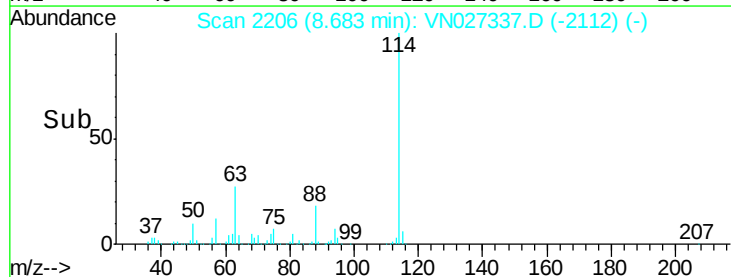
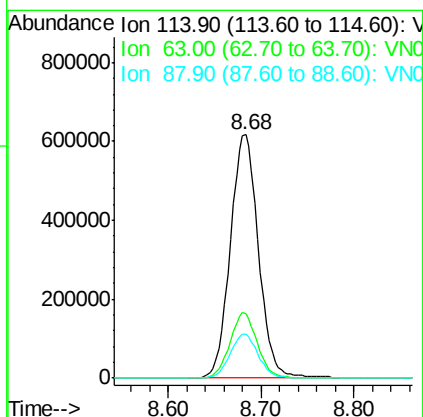
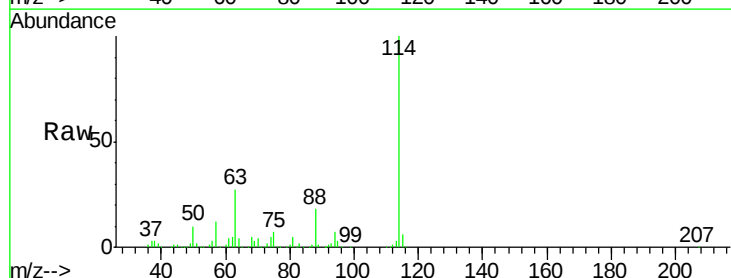
Instrument :
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 ClientSampleId :
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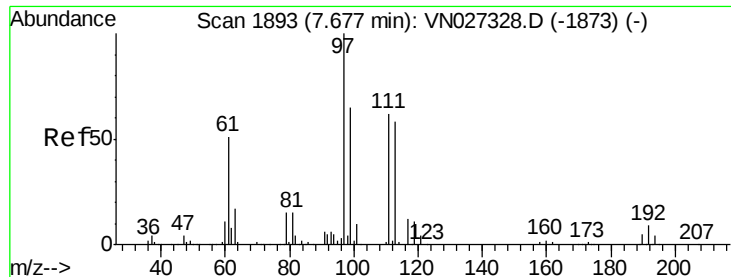
Tgt Ion: 65 Resp: 730538
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 110.6



#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VN027337.D
 Acq: 21 Sep 2015 18:13

Tgt Ion: 114 Resp: 1297915
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 48.8
 88 18.2 0.0 32.2

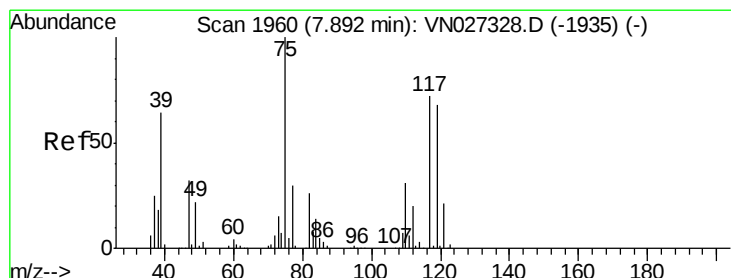
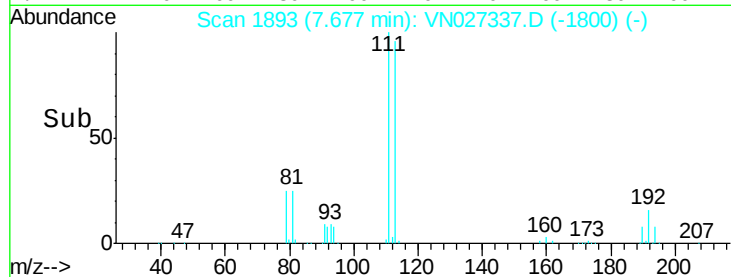
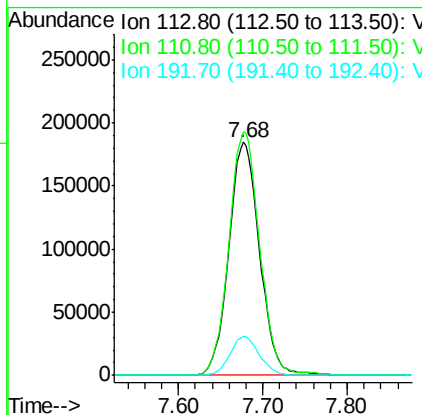
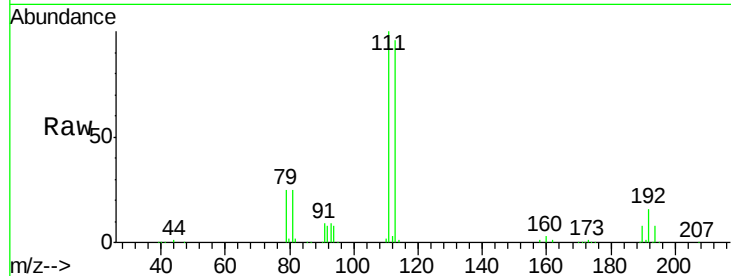




#36
 Dibromofluoromethane
 Concen: 55.28 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VN027337.D
 Acq: 21 Sep 2015 18:13

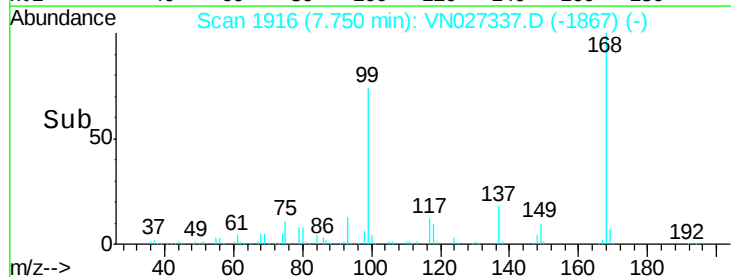
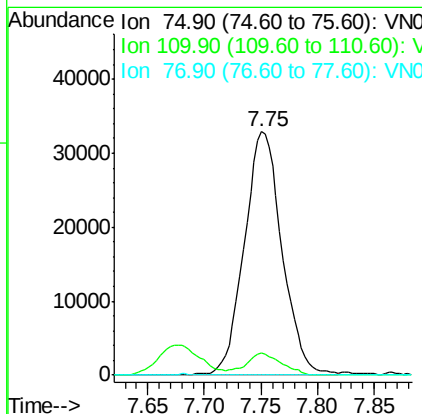
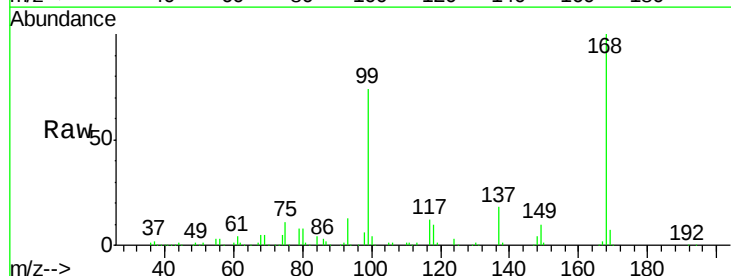
Instrument :
 MSVOA_N
 ClientSampled :
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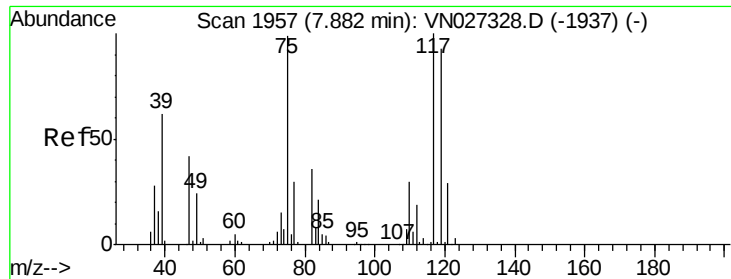
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.0	124.4
192	16.0	14.1	21.1



#37
 1,1-Dichloropropene
 Concen: 5.45 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027337.D
 Acq: 21 Sep 2015 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.9	47.7#
77	0.0	24.9	37.3#





#39

Carbon Tetrachloride

Concen: 6.33 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.13 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampleId :

TB091815

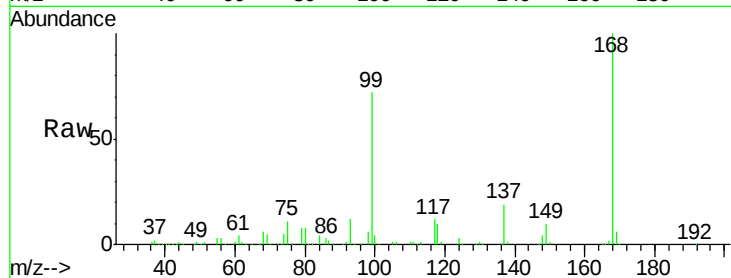
Tgt Ion:117 Resp: 83308

Ion Ratio Lower Upper

117 100

119 4.2 75.3 112.9#

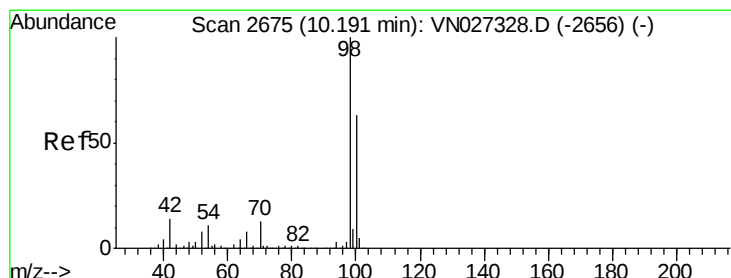
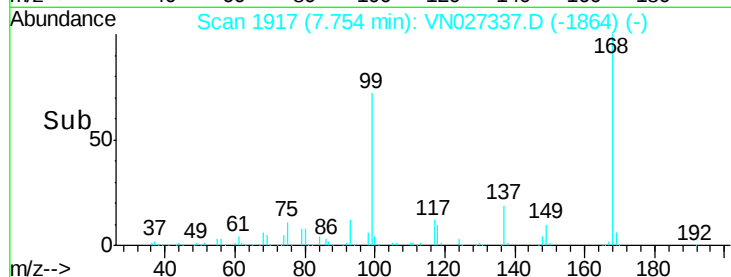
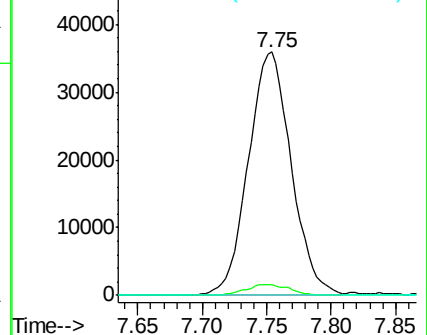
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#51

Toluene-d8

Concen: 58.17 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027337.D

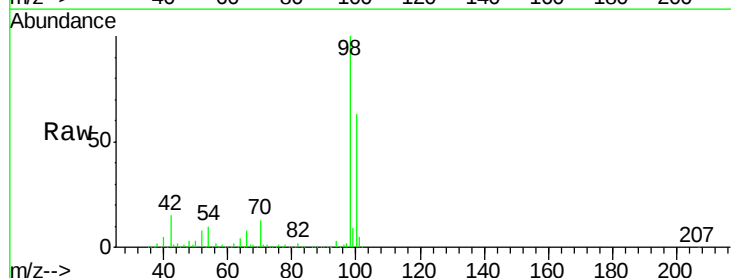
Acq: 21 Sep 2015 18:13

Tgt Ion: 98 Resp: 1904585

Ion Ratio Lower Upper

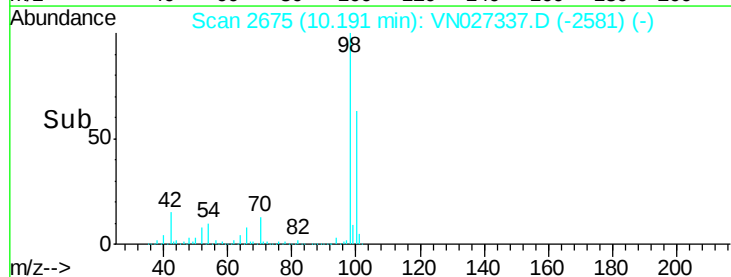
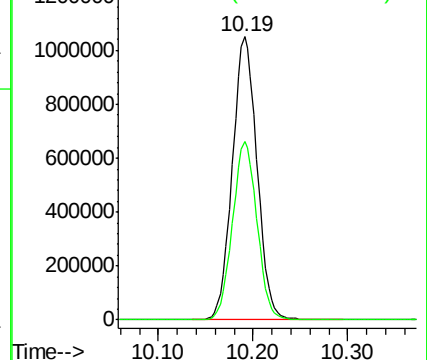
98 100

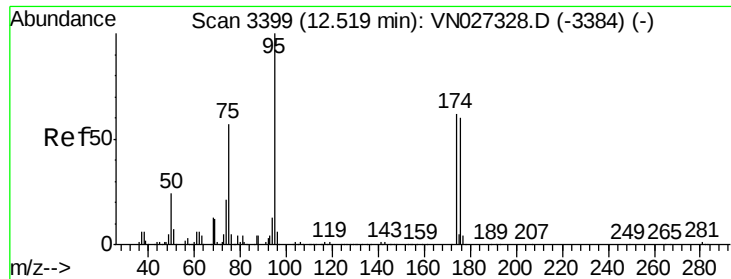
100 62.7 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

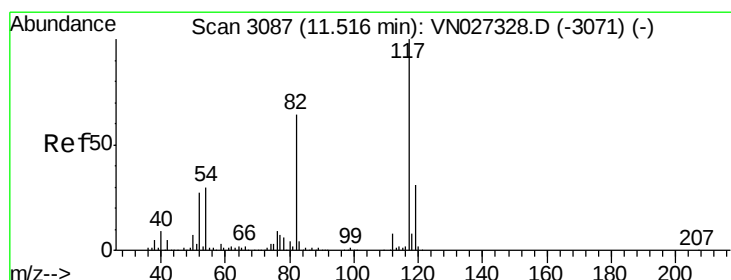
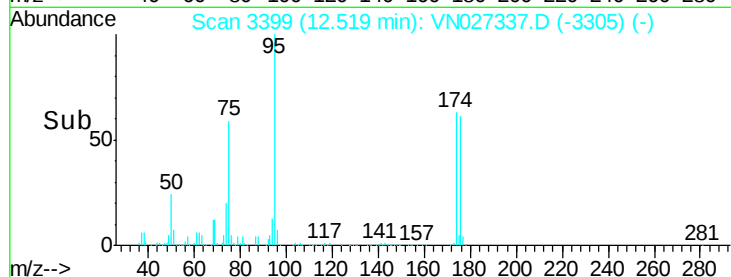
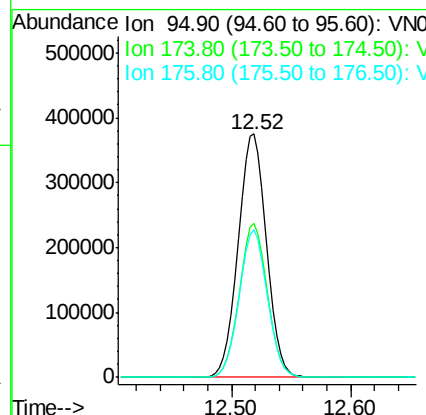
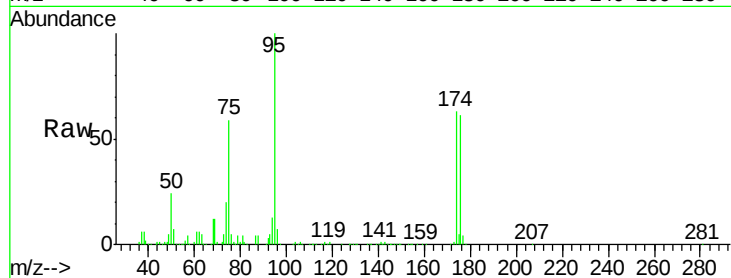




#63
4-Bromofluorobenzene
Concen: 52.05 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027337.D
Acq: 21 Sep 2015 18:13

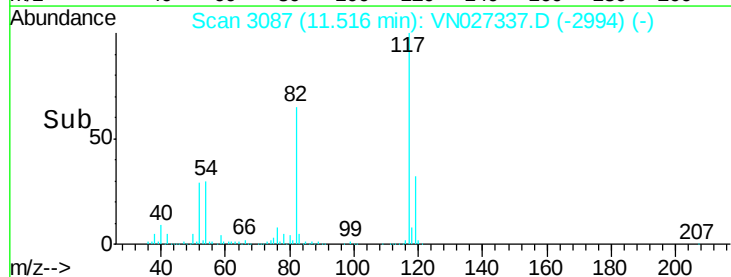
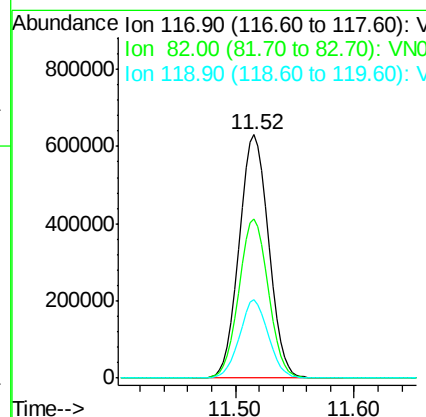
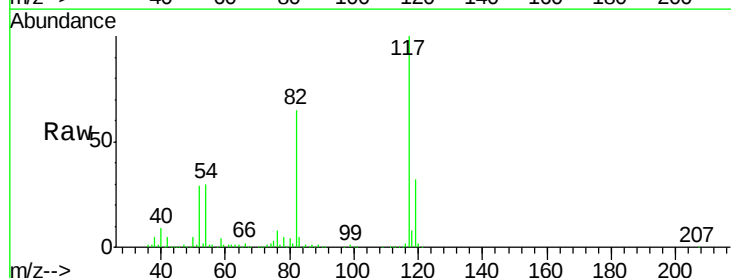
Instrument :
MSVOA_N
ClientSampleId :
TB091815

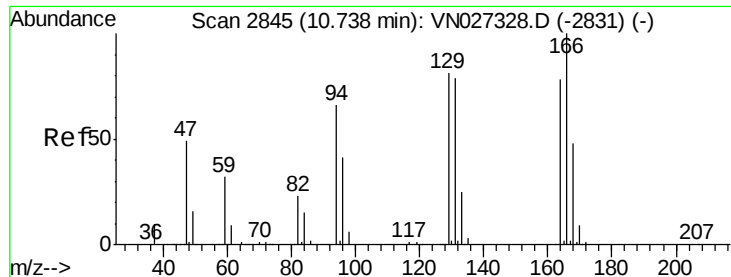
Tgt Ion: 95 Resp: 619131
Ion Ratio Lower Upper
95 100
174 62.6 0.0 137.0
176 60.4 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027337.D
Acq: 21 Sep 2015 18:13

Tgt Ion: 117 Resp: 1087102
Ion Ratio Lower Upper
117 100
82 65.4 49.6 74.4
119 32.1 24.6 36.8





#65

Tetrachloroethene

Concen: 0.20 ug/l

RT: 10.75 min Scan# 2848

Delta R.T. 0.01 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampleId :

TB091815

Tgt Ion:164 Resp: 1317

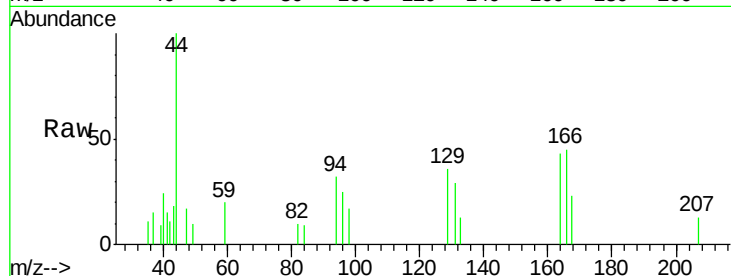
Ion Ratio Lower Upper

164 100

166 104.0 103.4 155.0

129 83.6 77.5 116.3

131 66.0 74.2 111.4#

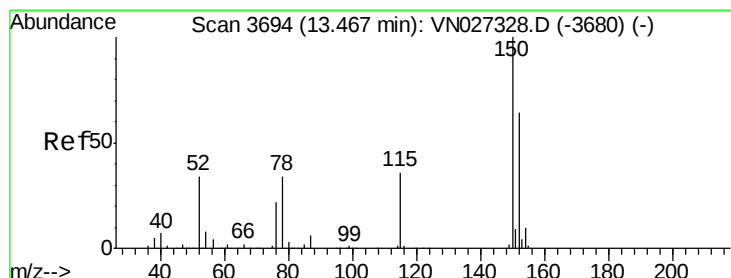
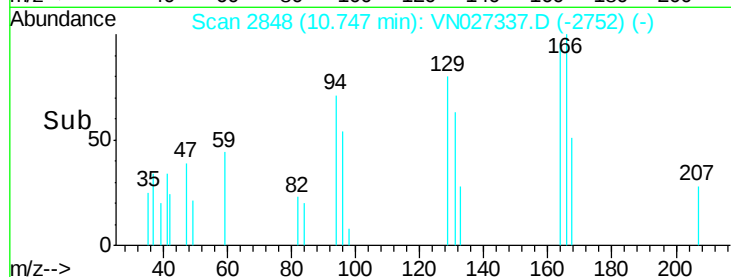
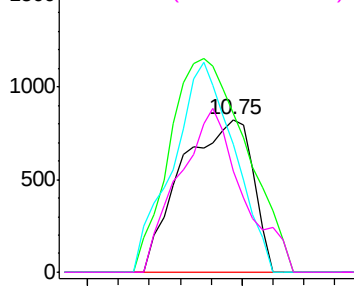


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

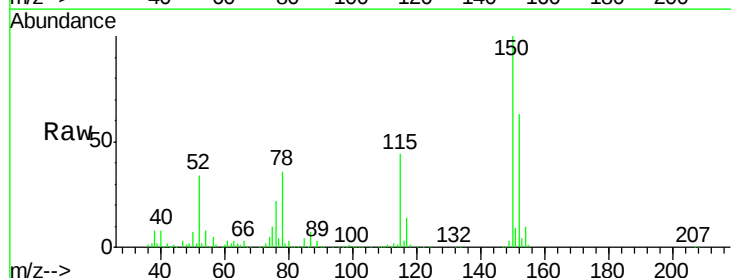
Tgt Ion:152 Resp: 369615

Ion Ratio Lower Upper

152 100

115 67.6 30.8 92.3

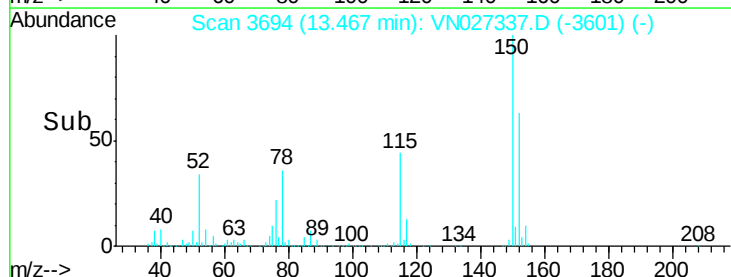
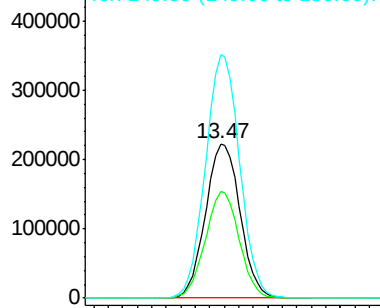
150 156.3 0.0 345.0

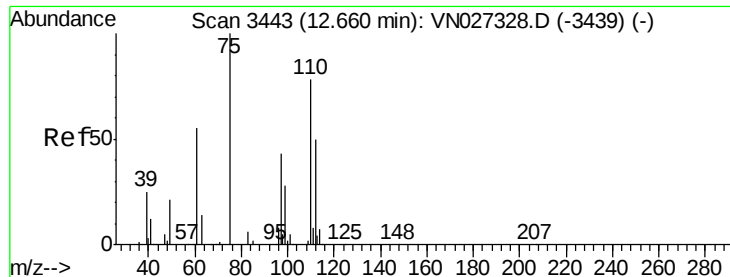


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#77

1,2,3-Trichloropropane

Concen: 38.84 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampled :

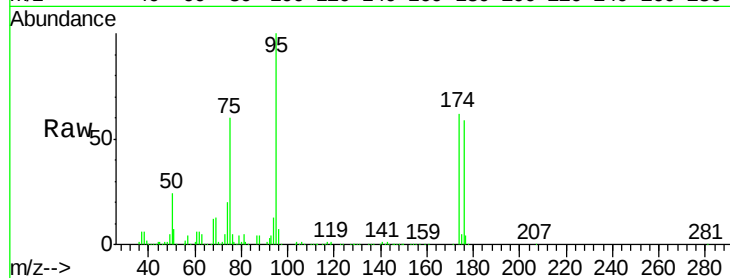
TB091815

Tgt Ion: 75 Resp: 360431

Ion Ratio Lower Upper

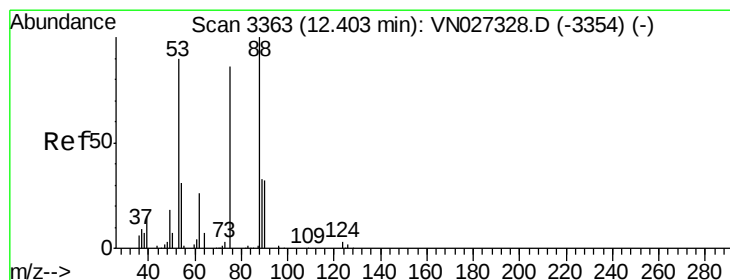
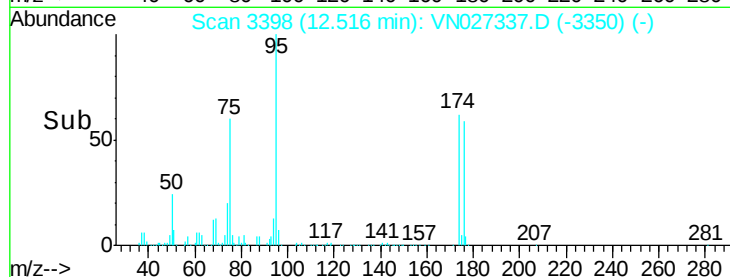
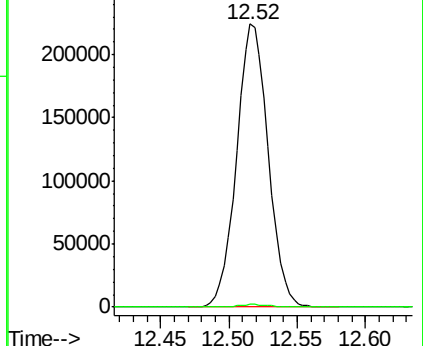
75 100

77 0.9 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#82

trans-1,4-Dichloro-2-butene

Concen: 99.60 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

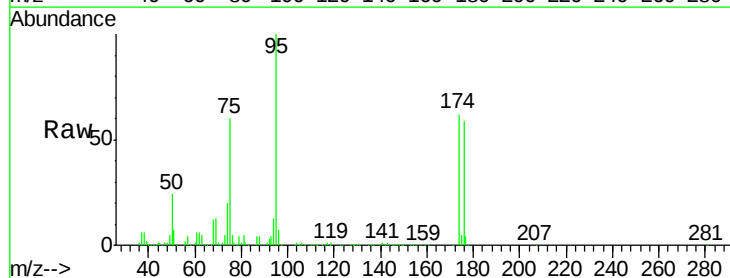
Tgt Ion: 75 Resp: 360431

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

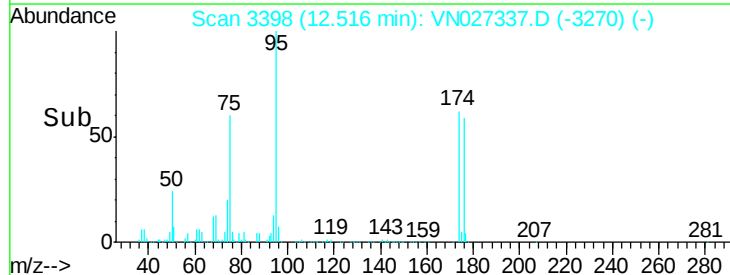
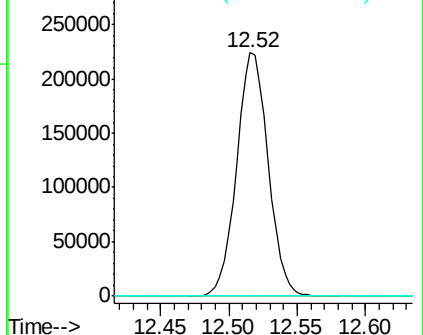
89 0.0 34.2 51.4#

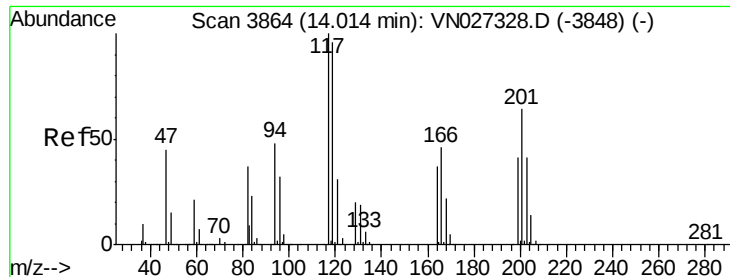


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#91

Hexachloroethane

Concen: 0.30 ug/l

RT: 13.77 min Scan# 3787

Delta R.T. -0.25 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampleId :

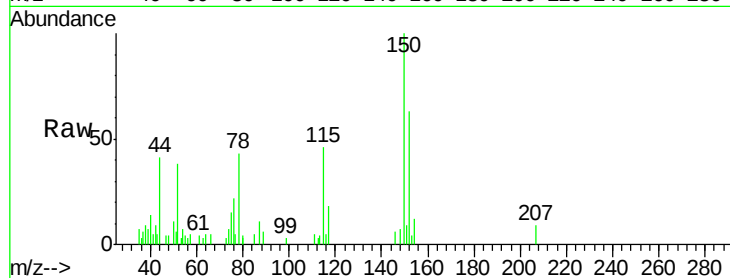
TB091815

Tgt Ion:117 Resp: 1724

Ion Ratio Lower Upper

117 100

201 0.0 34.9 104.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

1200

1000

800

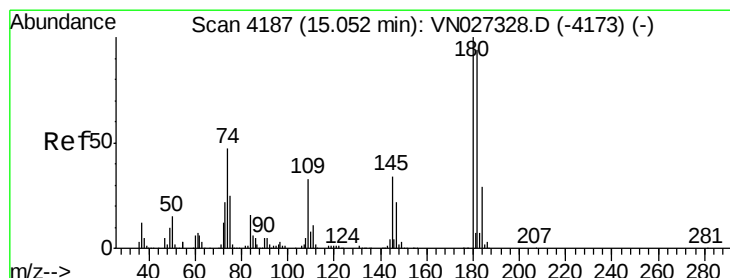
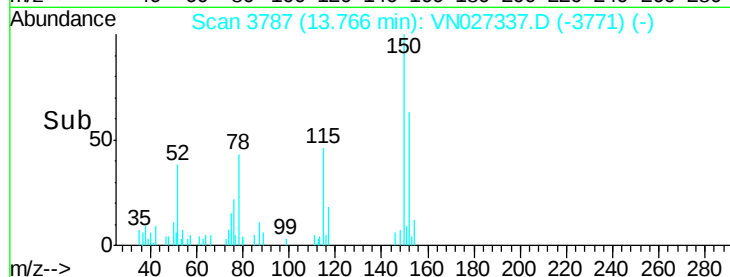
600

400

200

0

Time-->



#94

1,2,4-Trichlorobenzene

Concen: 0.74 ug/l

RT: 15.06 min Scan# 4189

Delta R.T. 0.01 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

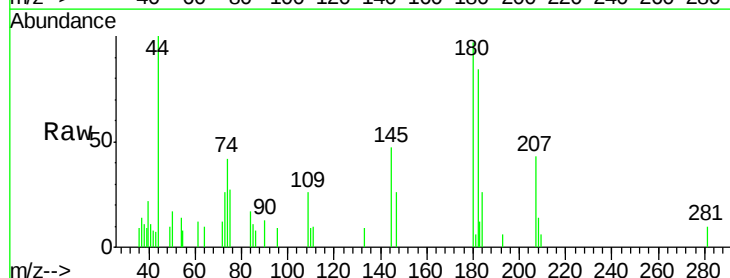
Tgt Ion:180 Resp: 4770

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.5

145 39.6 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

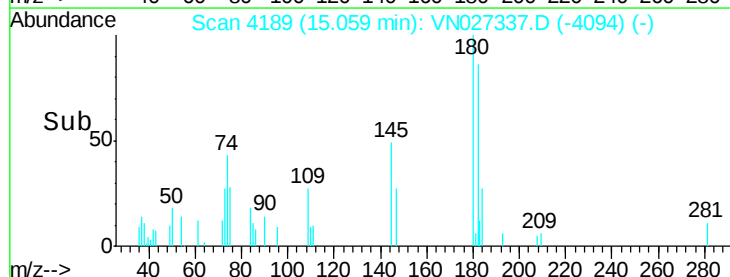
3000

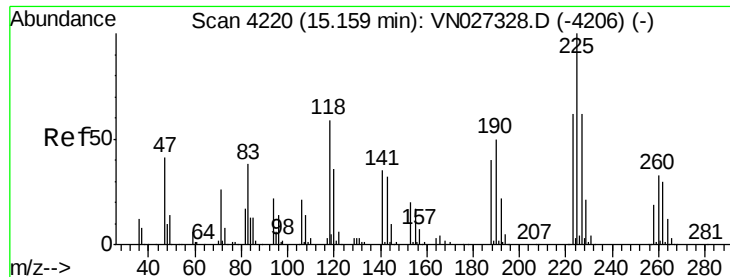
2000

1000

0

Time-->





#95

Hexachlorobutadiene

Concen: 0.38 ug/l

RT: 15.16 min Scan# 4221

Delta R.T. 0.00 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

Instrument :

MSVOA_N

ClientSampleId :

TB091815

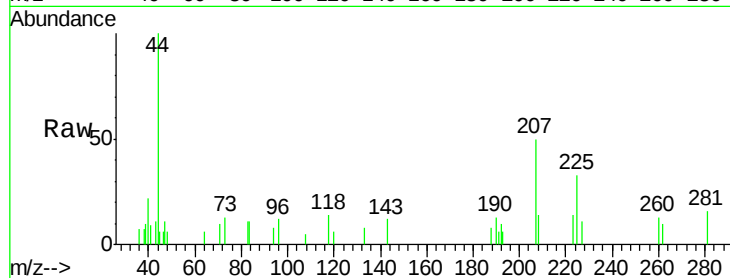
Tgt Ion:225 Resp: 1350

Ion Ratio Lower Upper

225 100

223 47.0 30.8 92.3

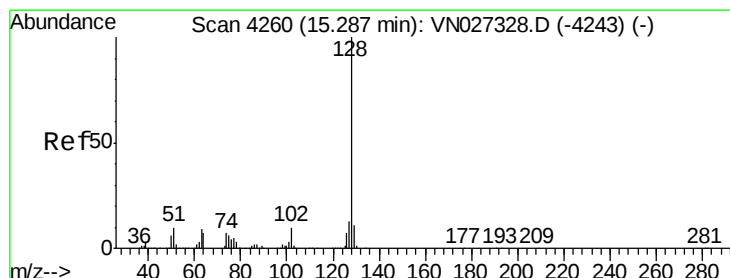
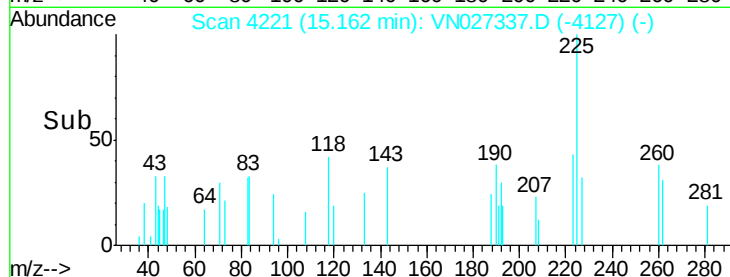
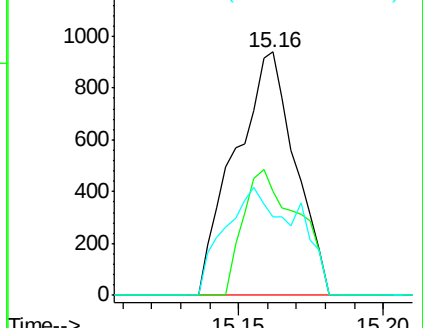
227 53.0 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 4.61 ug/l

RT: 15.29 min Scan# 4261

Delta R.T. 0.00 min

Lab File: VN027337.D

Acq: 21 Sep 2015 18:13

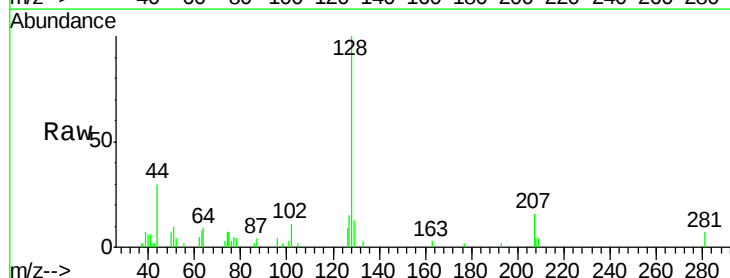
Tgt Ion:128 Resp: 17051

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 9.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

