

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027339.D
 Acq On : 21 Sep 2015 19:09
 Operator : MD\FY
 Sample : G3726-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PW-1

Quant Time: Sep 22 01:32:08 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	740085	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1341112	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1139537	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	397804	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	753215	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
36) Dibromofluoromethane	7.68	113	478434	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
51) Toluene-d8	10.19	98	1960228	57.94	ug/l	0.00
Spiked Amount			Recovery	=	115.88%	
63) 4-Bromofluorobenzene	12.52	95	655628	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	

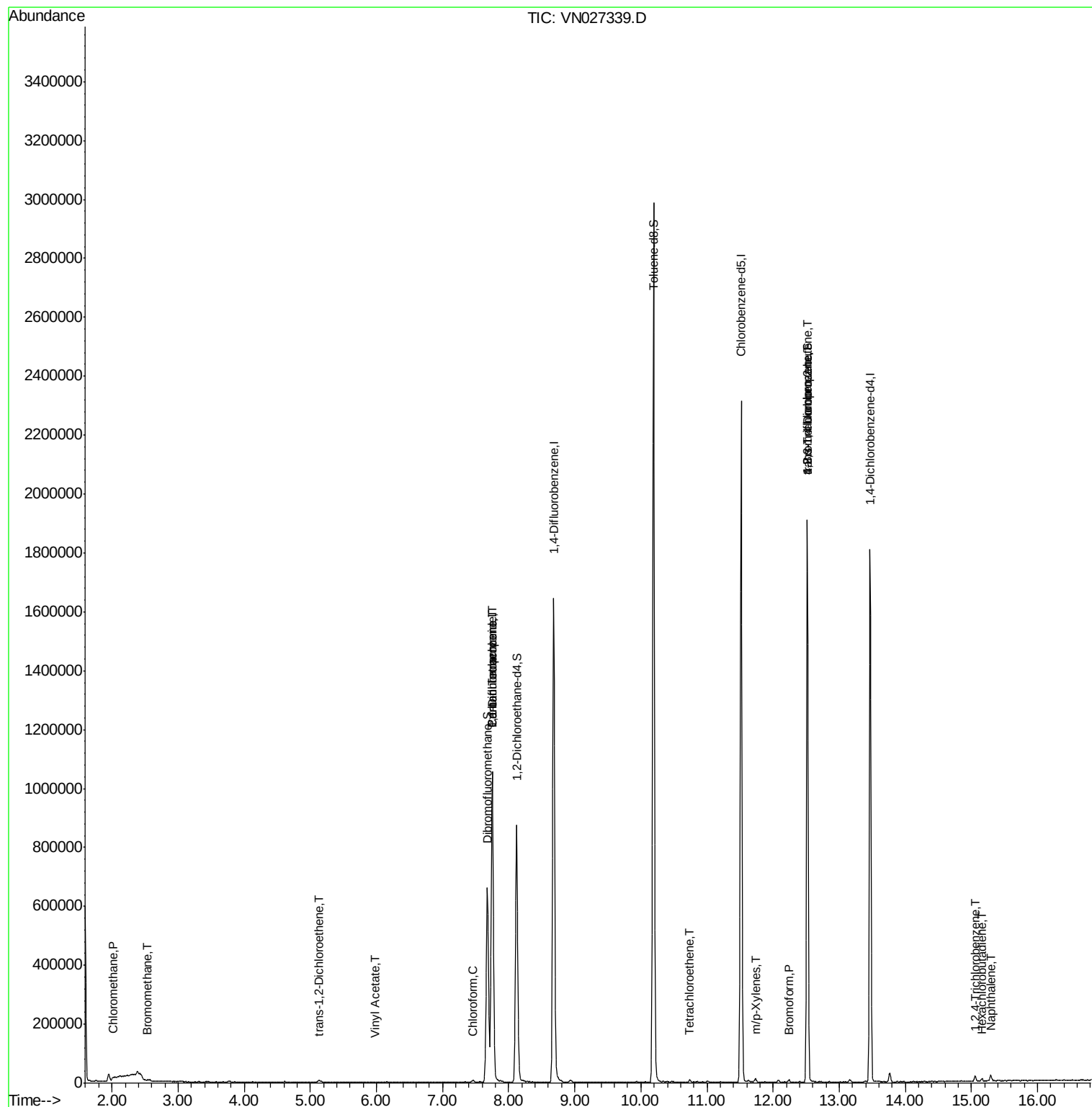
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	2517	0.29	ug/l	91
6) Bromomethane	2.54	94	849	0.21	ug/l	100
22) trans-1,2-Dichloroethene	5.13	96	2523	0.27	ug/l #	67
24) Vinyl Acetate	5.98	43	137	9.29	ug/l #	76
31) Chloroform	7.46	83	5367	0.27	ug/l	96
32) Cyclohexane	7.75	56	24047	Below Cal	#	1
37) 1,1-Dichloropropene	7.75	75	76929	5.32	ug/l #	51
39) Carbon Tetrachloride	7.75	117	81834	6.02	ug/l #	16
65) Tetrachloroethene	10.74	164	1430	0.21	ug/l #	81
69) m/p-Xylenes	11.73	106	3226	0.20	ug/l	92
72) Bromoform	12.24	173	3114	0.57	ug/l #	93
77) 1,2,3-Trichloropropane	12.52	75	383372	38.39	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	383372	98.43	ug/l #	4
94) 1,2,4-Trichlorobenzene	15.06	180	5663	0.82	ug/l	90
95) Hexachlorobutadiene	15.17	225	1297	0.34	ug/l	89
96) Naphthalene	15.29	128	16995	4.55	ug/l #	81

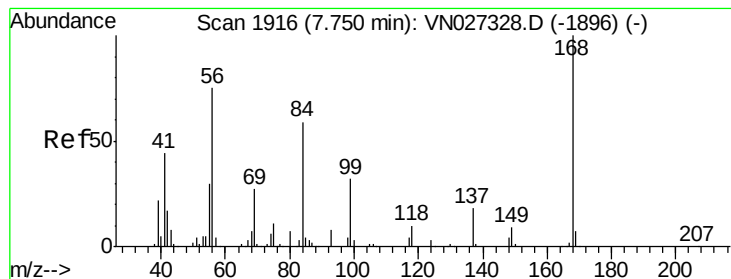
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 21 13:12:32 2015
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: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampled :

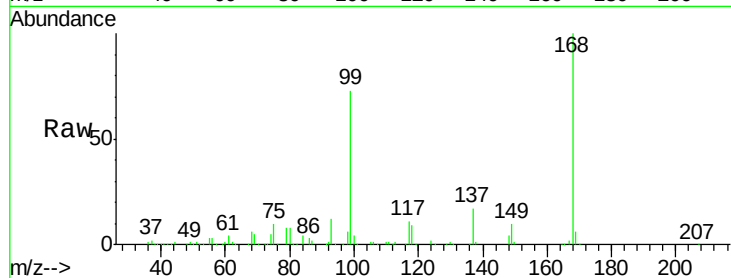
PW-1

Tgt Ion:168 Resp: 740085

Ion Ratio Lower Upper

168 100

99 73.2 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.75

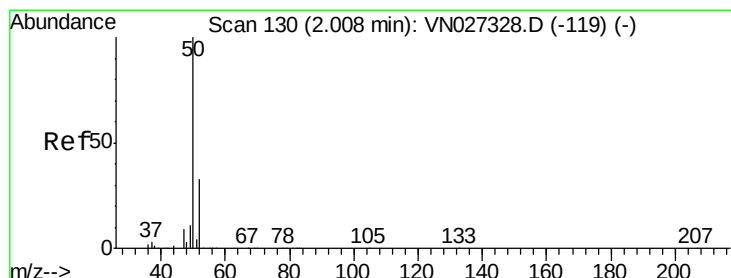
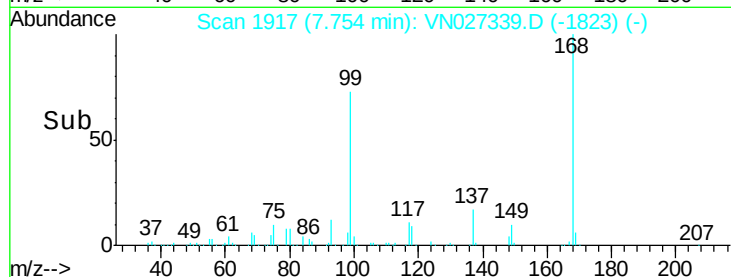
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.29 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027339.D

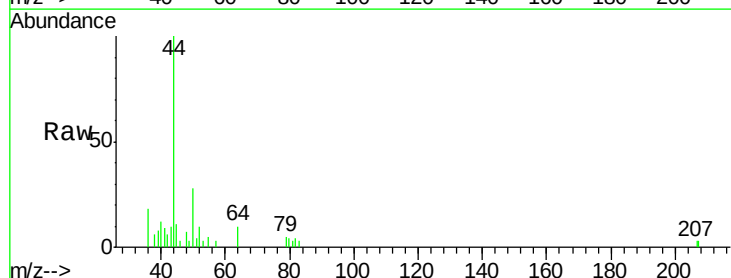
Acq: 21 Sep 2015 19:09

Tgt Ion: 50 Resp: 2517

Ion Ratio Lower Upper

50 100

52 37.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.00

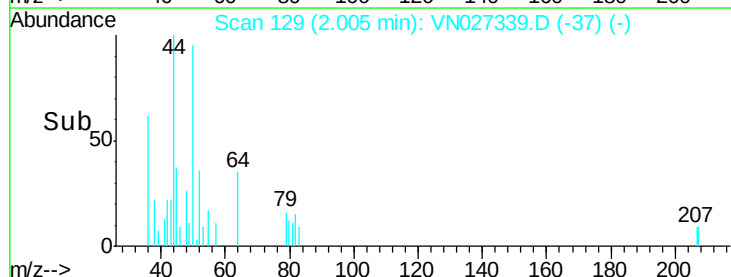
1500

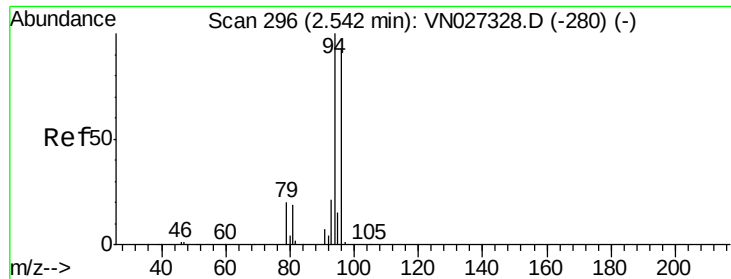
1000

500

0

Time-->





#6

Bromomethane

Concen: 0.21 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampled :

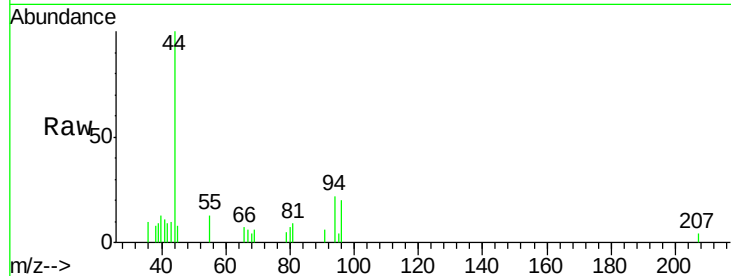
PW-1

Tgt Ion: 94 Resp: 849

Ion Ratio Lower Upper

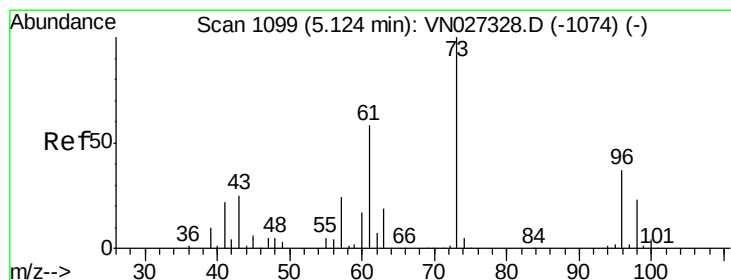
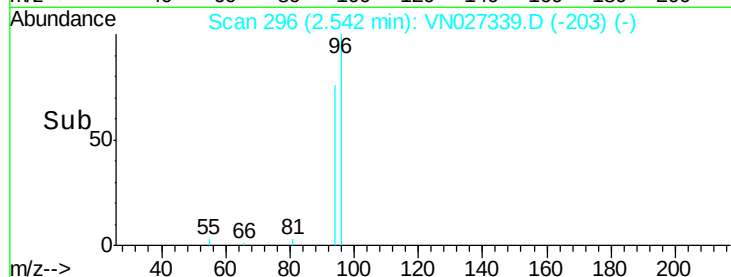
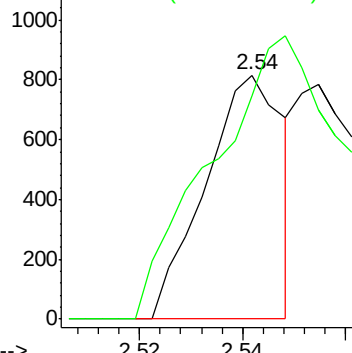
94 100

96 91.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#22

trans-1,2-Dichloroethene

Concen: 0.27 ug/l

RT: 5.13 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

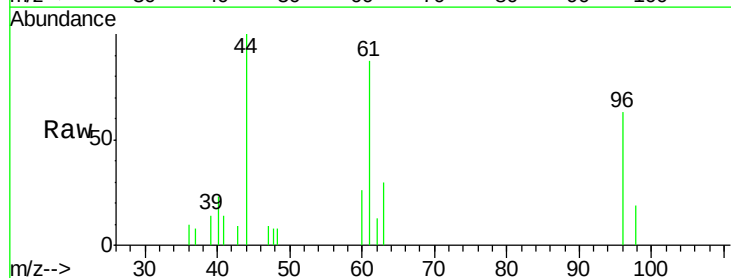
Tgt Ion: 96 Resp: 2523

Ion Ratio Lower Upper

96 100

61 117.8 126.6 189.8#

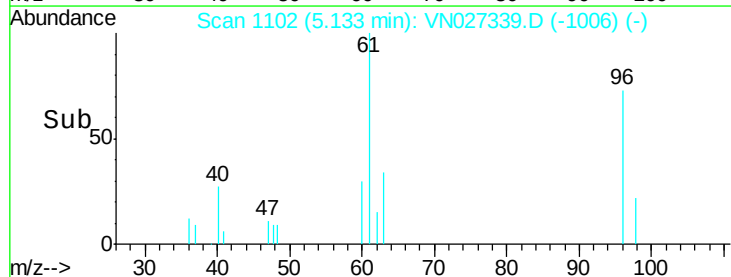
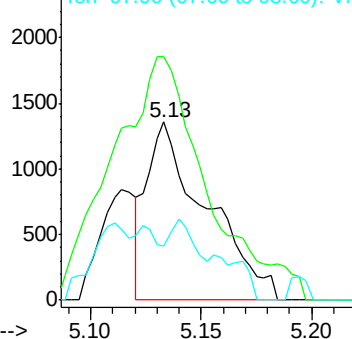
98 30.7 47.4 71.2#

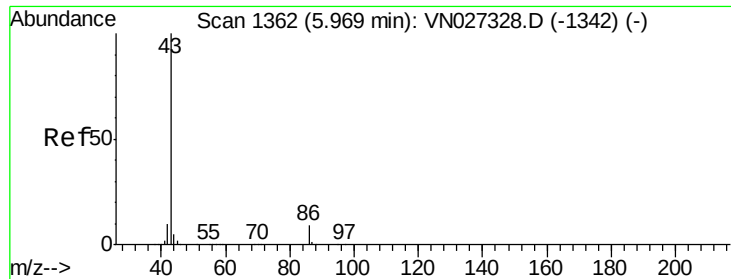


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#24

Vinyl Acetate

Concen: 9.29 ug/l

RT: 5.98 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampled :

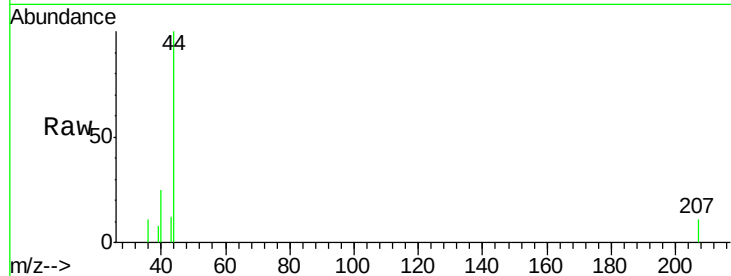
PW-1

Tgt Ion: 43 Resp: 137

Ion Ratio Lower Upper

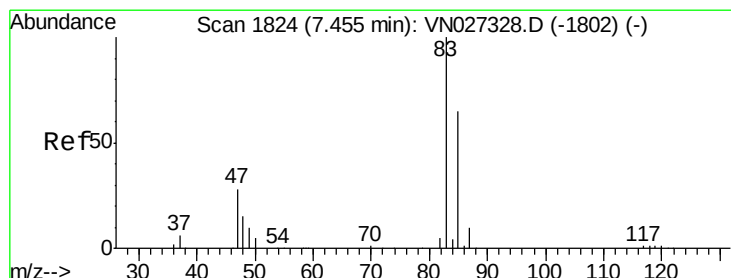
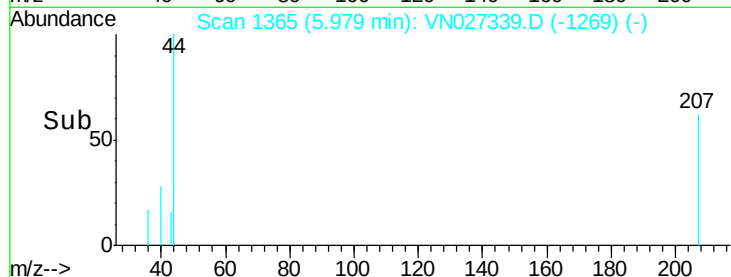
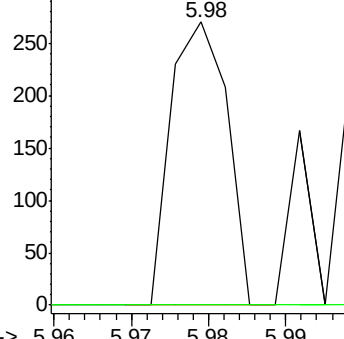
43 100

86 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#31

Chloroform

Concen: 0.27 ug/l

RT: 7.46 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN027339.D

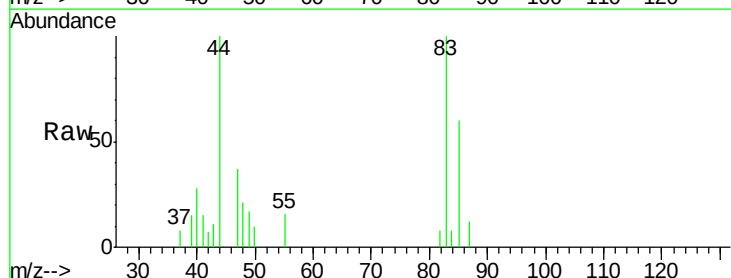
Acq: 21 Sep 2015 19:09

Tgt Ion: 83 Resp: 5367

Ion Ratio Lower Upper

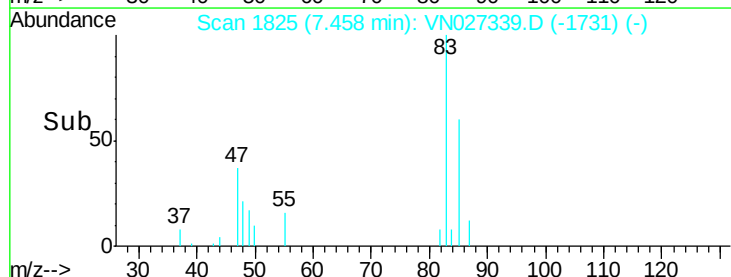
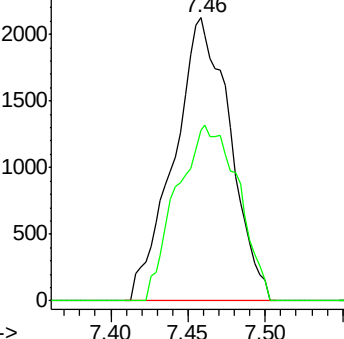
83 100

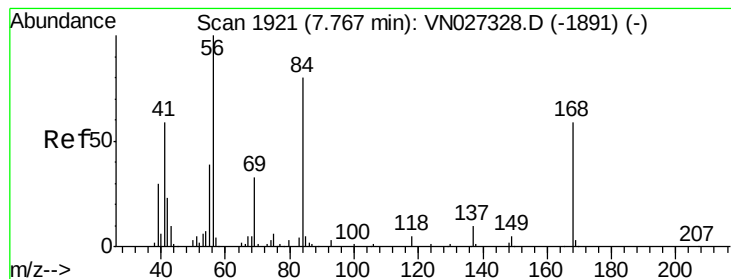
85 60.4 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#32

Cyclohexane

Concen: Below Cal

RT: 7.75 min Scan# 1916

Delta R.T. -0.02 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampled :

PW-1

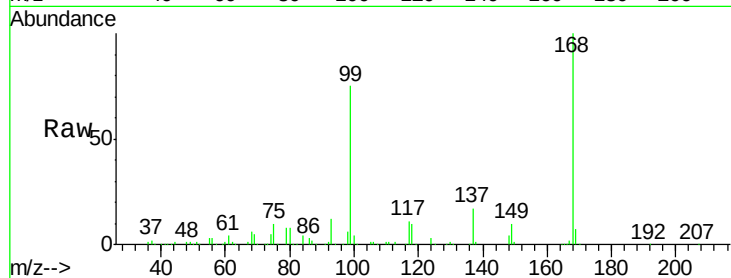
Tgt Ion: 56 Resp: 24047

Ion Ratio Lower Upper

56 100

69 160.1 23.0 34.4#

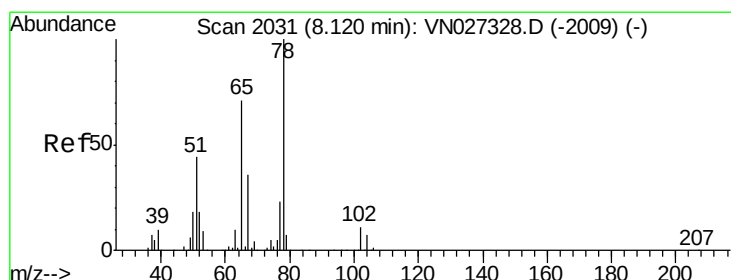
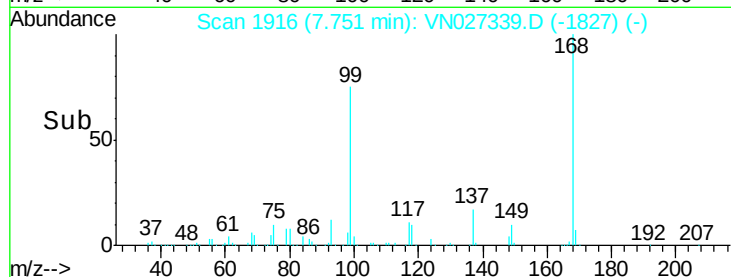
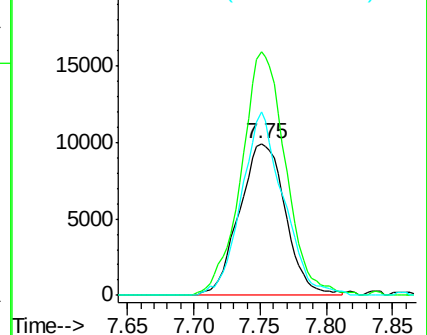
84 120.7 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#34

1,2-Dichloroethane-d4

Concen: 51.99 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027339.D

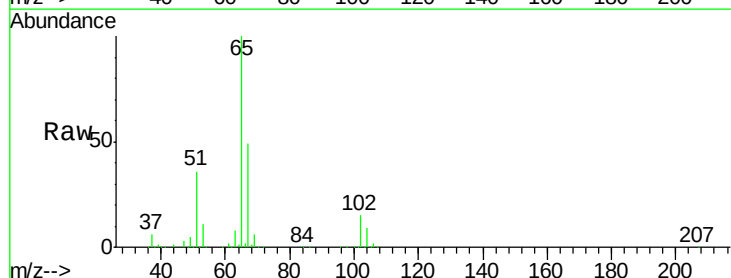
Acq: 21 Sep 2015 19:09

Tgt Ion: 65 Resp: 753215

Ion Ratio Lower Upper

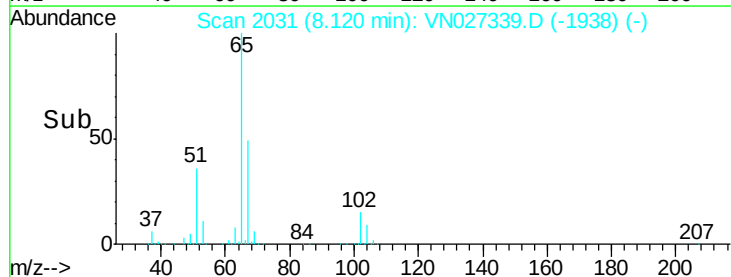
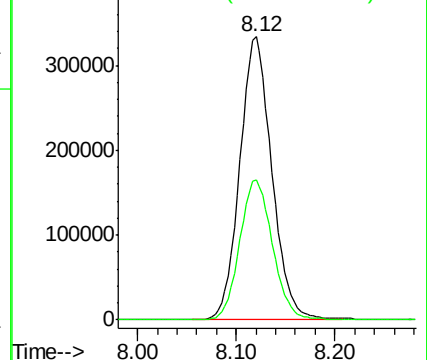
65 100

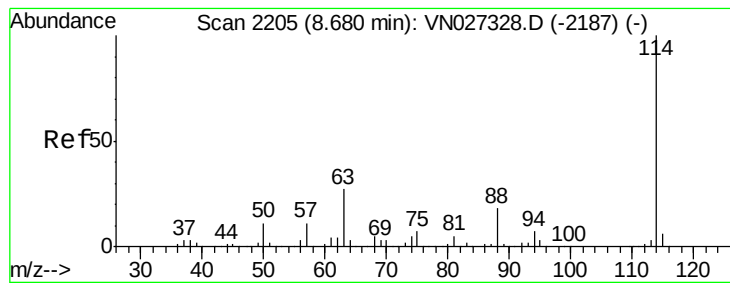
67 50.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampleId :

PW-1

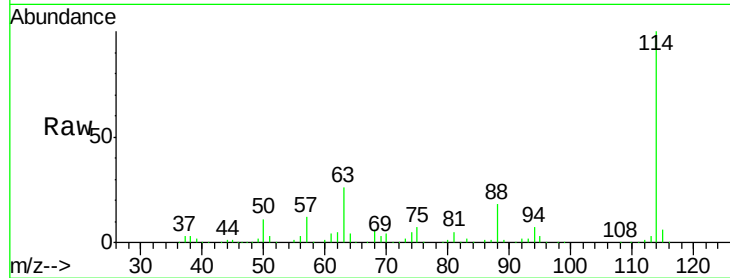
Tgt Ion:114 Resp: 1341112

Ion Ratio Lower Upper

114 100

63 26.1 0.0 48.8

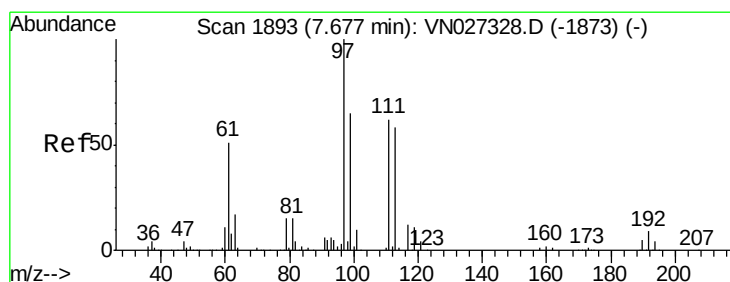
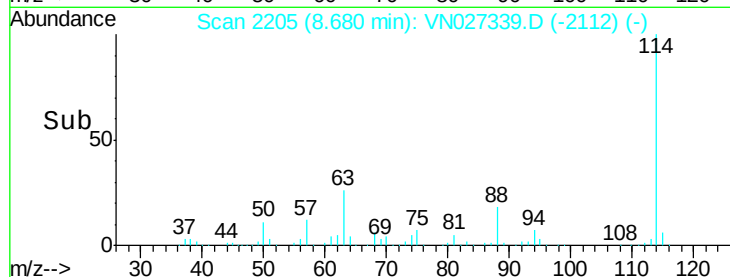
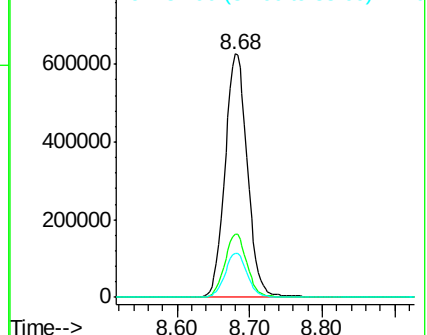
88 18.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#36

Dibromofluoromethane

Concen: 54.68 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

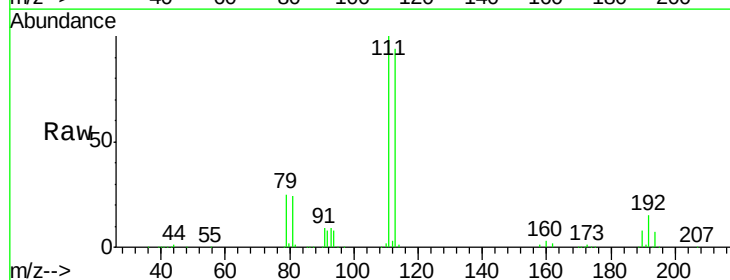
Tgt Ion:113 Resp: 478434

Ion Ratio Lower Upper

113 100

111 106.0 83.0 124.4

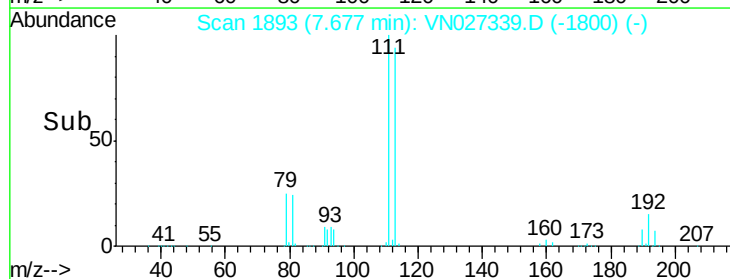
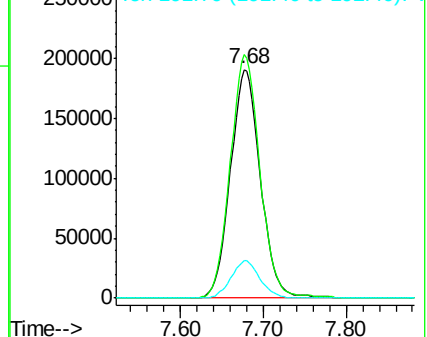
192 15.9 14.1 21.1

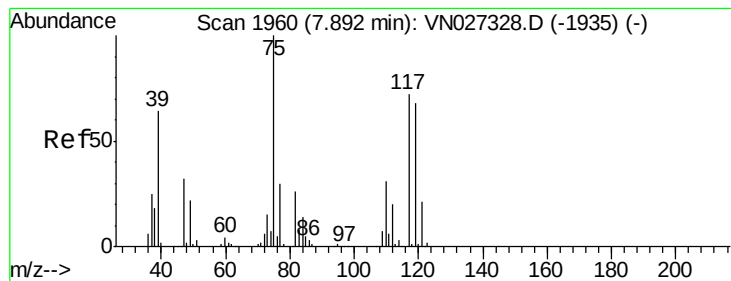


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#37

1,1-Dichloropropene

Concen: 5.32 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.14 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :
MSVOA_N
ClientSampleId :
PW-1

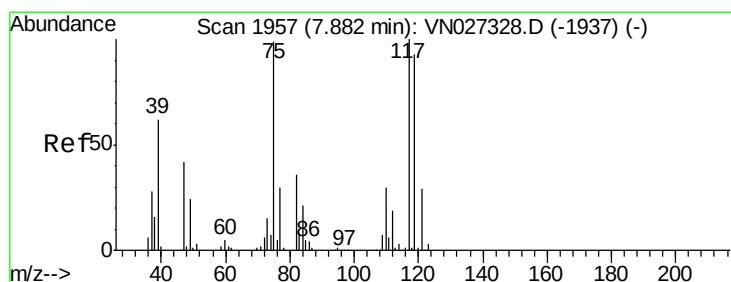
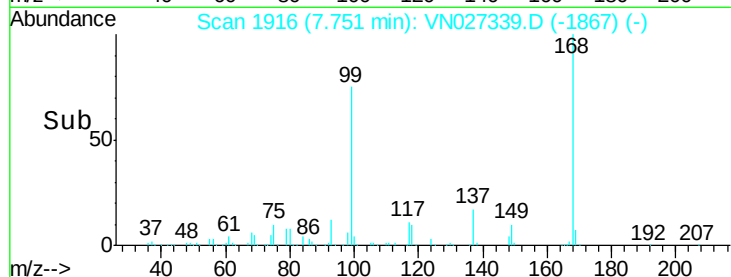
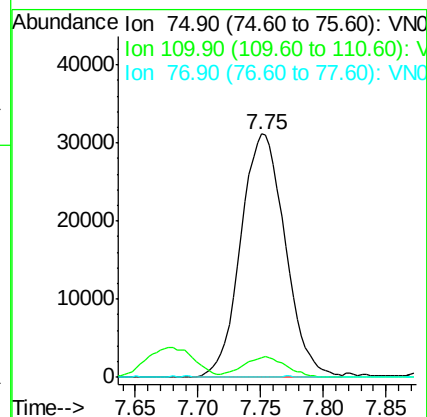
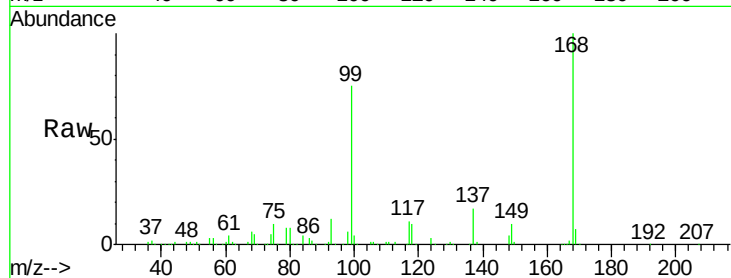
Tgt Ion: 75 Resp: 76929

Ion Ratio Lower Upper

75 100

110 8.2 15.9 47.7#

77 0.0 24.9 37.3#



#39

Carbon Tetrachloride

Concen: 6.02 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.13 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

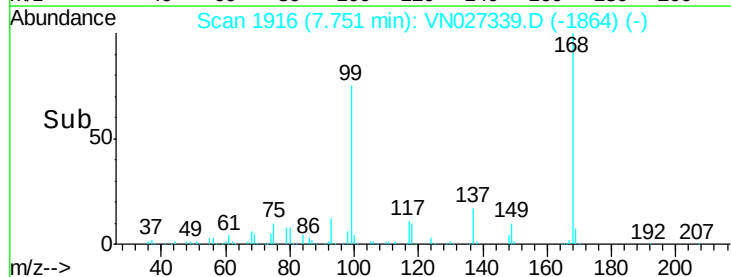
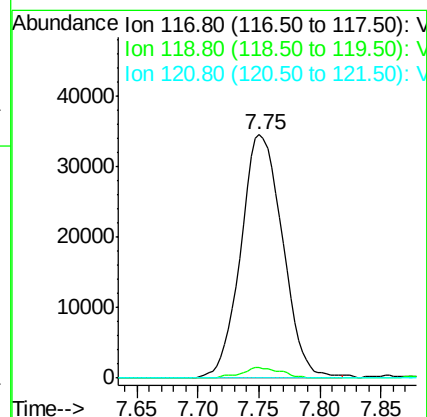
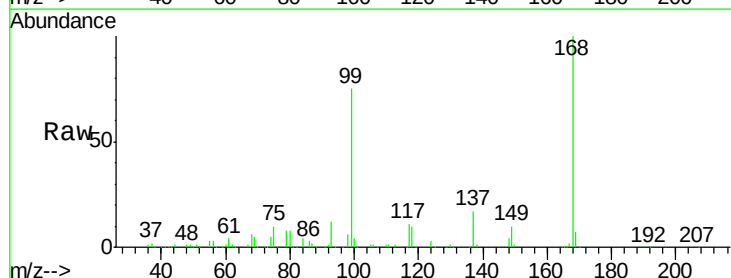
Tgt Ion: 117 Resp: 81834

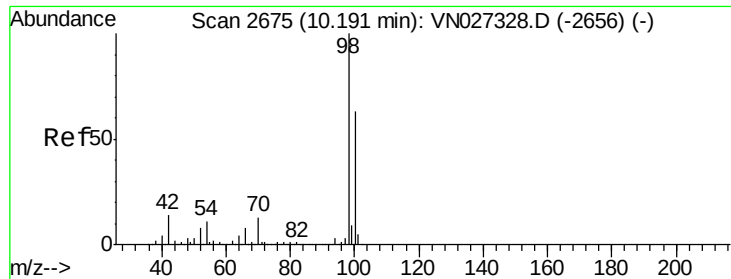
Ion Ratio Lower Upper

117 100

119 4.4 75.3 112.9#

121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 57.94 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampled :

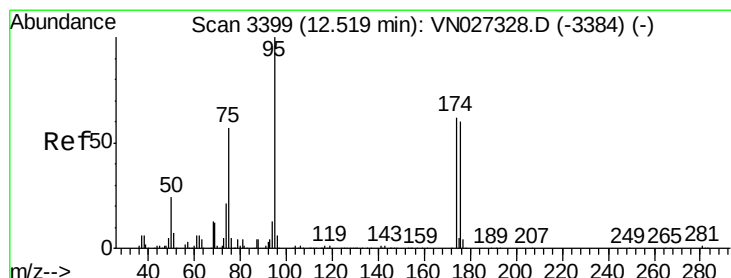
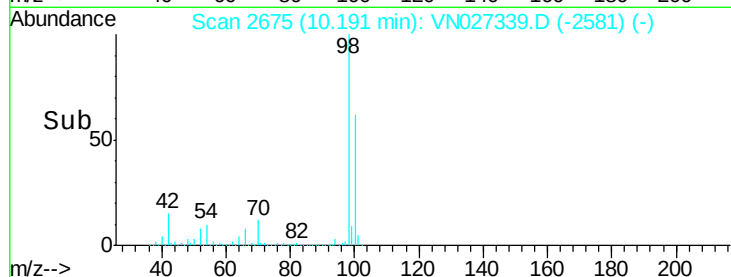
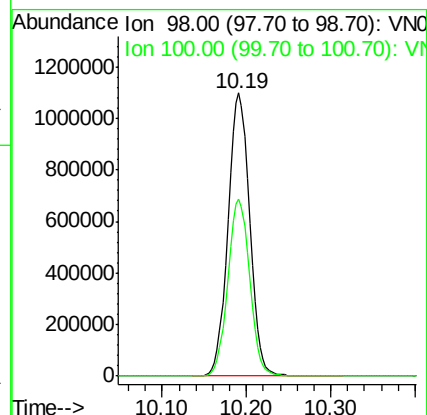
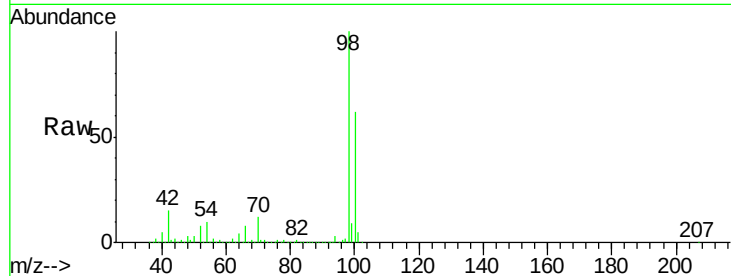
PW-1

Tgt Ion: 98 Resp: 1960228

Ion Ratio Lower Upper

98 100

100 62.9 50.5 75.7



#63

4-Bromofluorobenzene

Concen: 53.34 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

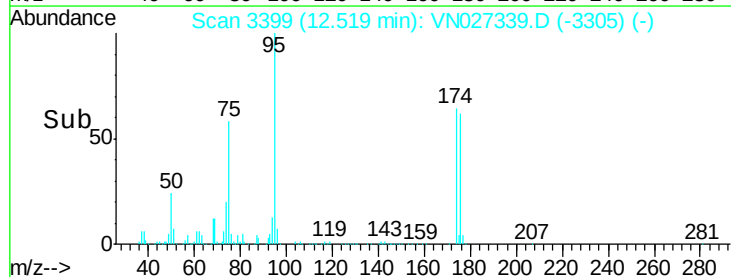
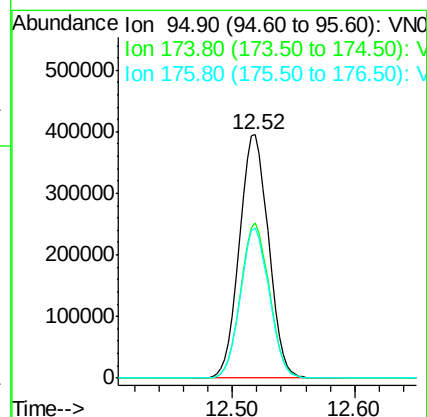
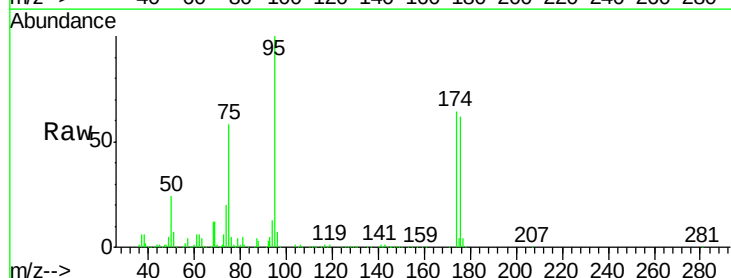
Tgt Ion: 95 Resp: 655628

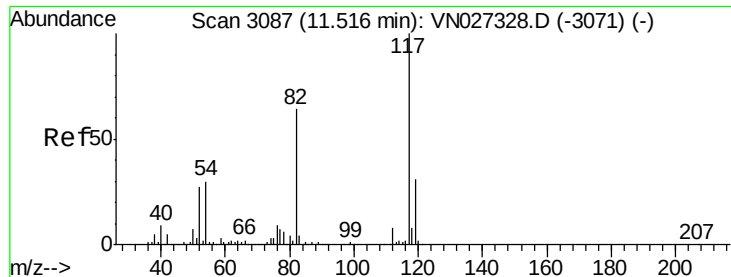
Ion Ratio Lower Upper

95 100

174 62.7 0.0 137.0

176 61.0 0.0 130.8

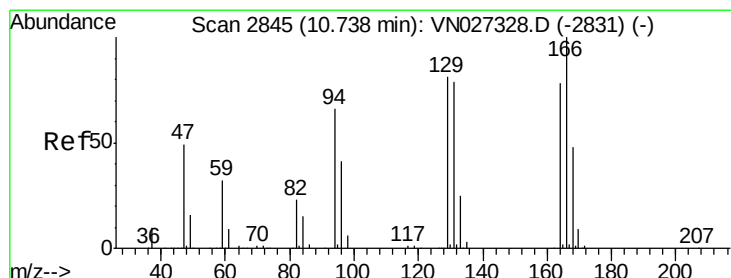
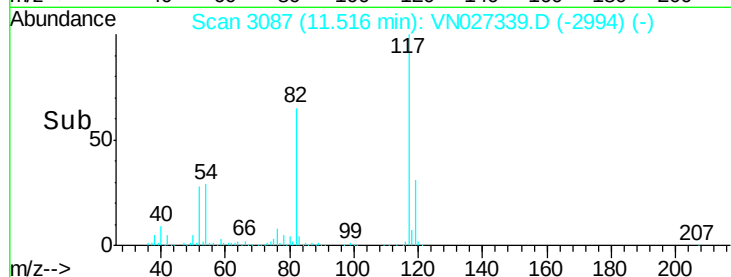
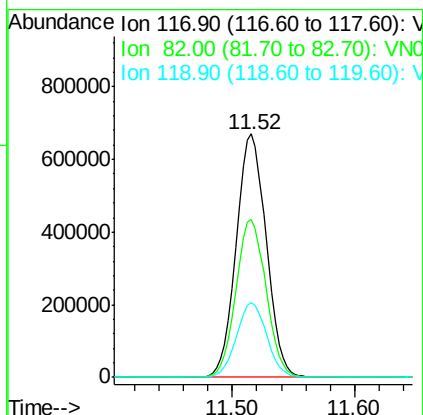
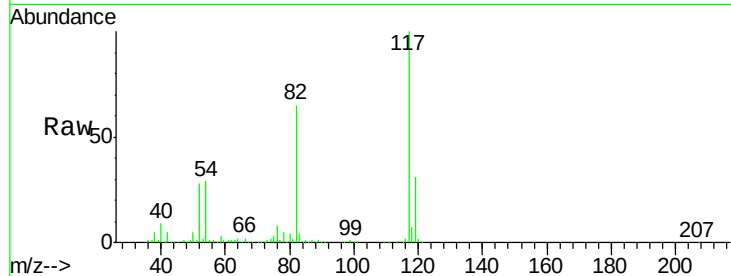




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027339.D
Acq: 21 Sep 2015 19:09

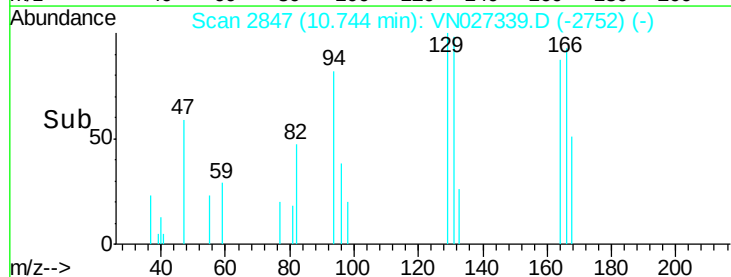
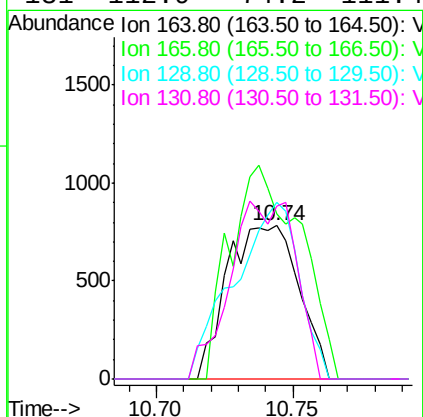
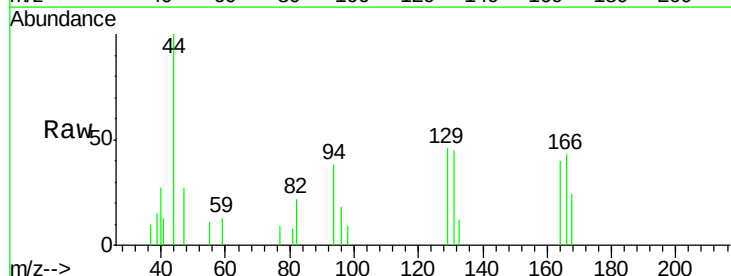
Instrument :
MSVOA_N
ClientSampled :
PW-1

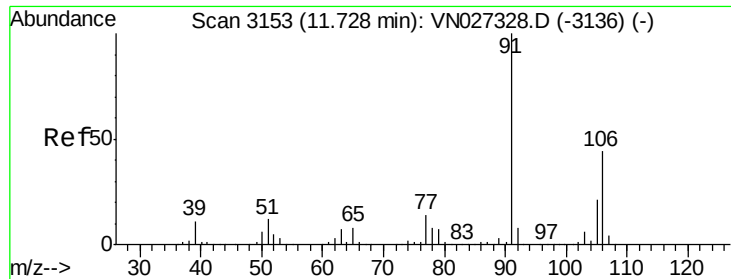
Tgt Ion:117 Resp: 1139537
Ion Ratio Lower Upper
117 100
82 65.0 49.6 74.4
119 30.9 24.6 36.8



#65
Tetrachloroethene
Concen: 0.21 ug/l
RT: 10.74 min Scan# 2847
Delta R.T. 0.01 min
Lab File: VN027339.D
Acq: 21 Sep 2015 19:09

Tgt Ion:164 Resp: 1430
Ion Ratio Lower Upper
164 100
166 107.7 103.4 155.0
129 115.2 77.5 116.3
131 112.9 74.2 111.4#

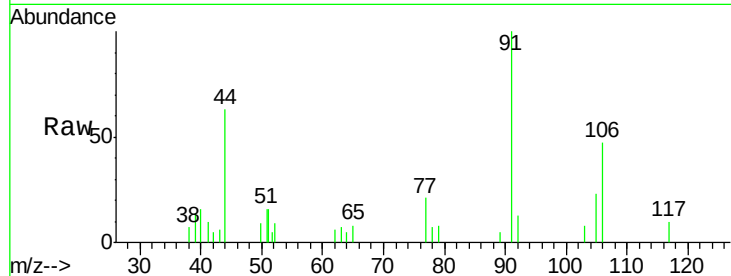




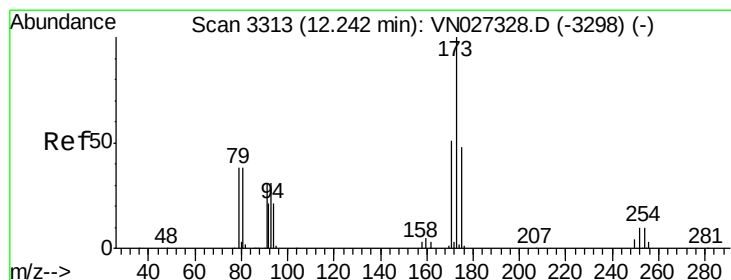
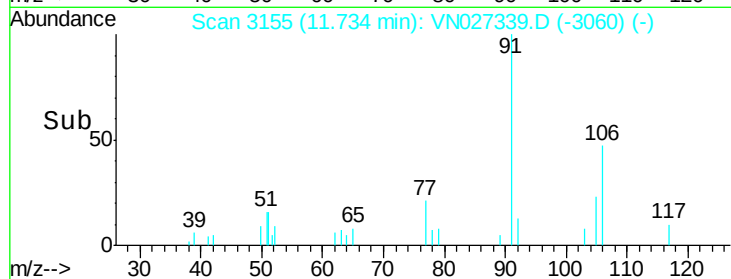
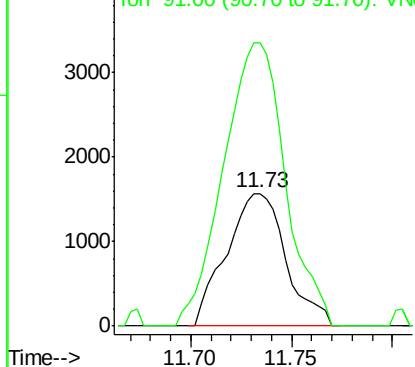
#69
m/p-Xylenes
Concen: 0.20 ug/l
RT: 11.73 min Scan# 3155
Delta R.T. 0.01 min
Lab File: VN027339.D
Acq: 21 Sep 2015 19:09

Instrument :
MSVOA_N
ClientSampled :
PW-1

Tgt Ion:106 Resp: 3226
Ion Ratio Lower Upper
106 100
91 222.1 167.1 250.7

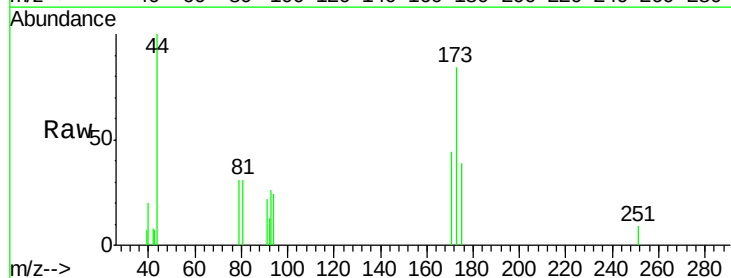


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

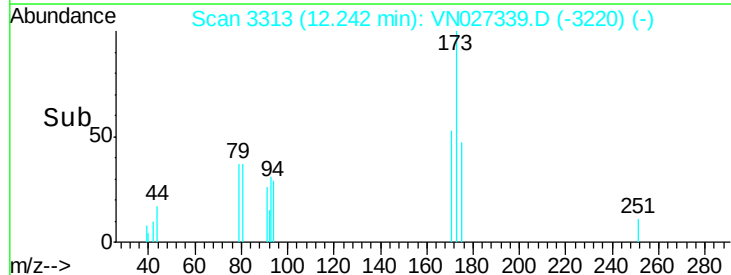
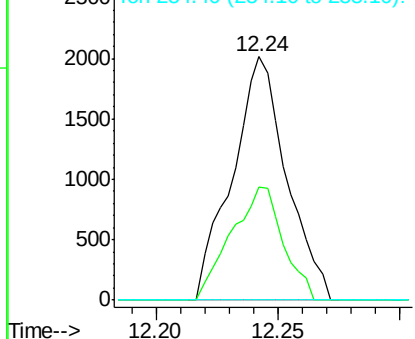


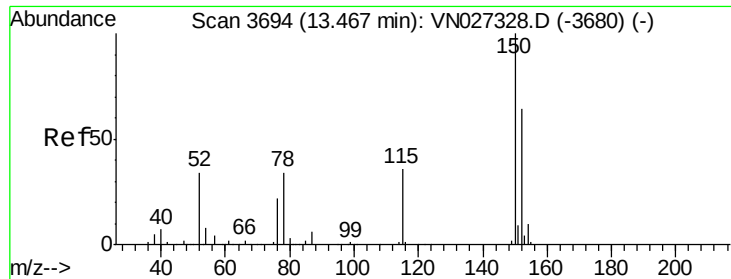
#72
Bromoform
Concen: 0.57 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. 0.00 min
Lab File: VN027339.D
Acq: 21 Sep 2015 19:09

Tgt Ion:173 Resp: 3114
Ion Ratio Lower Upper
173 100
175 44.4 24.4 73.4
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampled :

PW-1

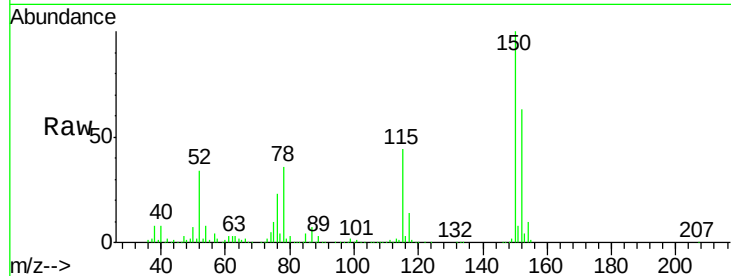
Tgt Ion:152 Resp: 397804

Ion Ratio Lower Upper

152 100

115 68.4 30.8 92.3

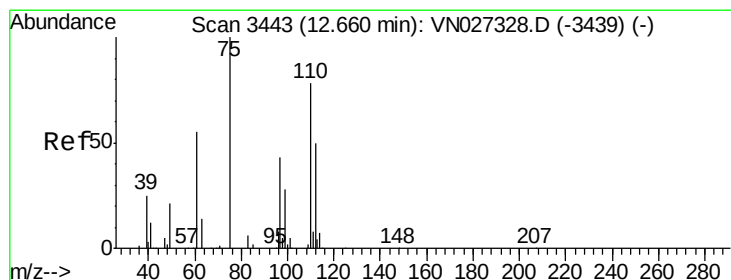
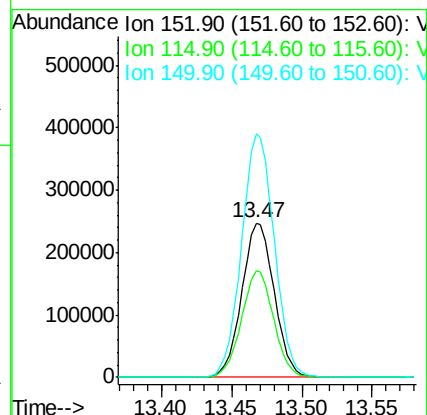
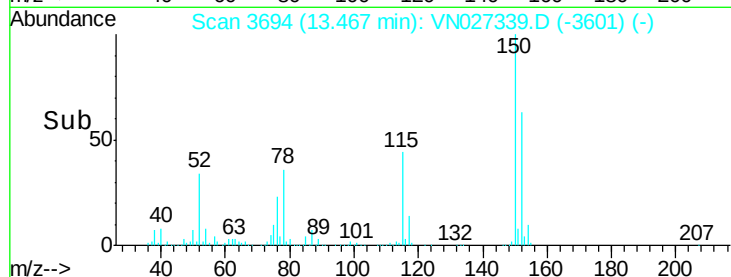
150 159.5 0.0 345.0



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: 38.39 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027339.D

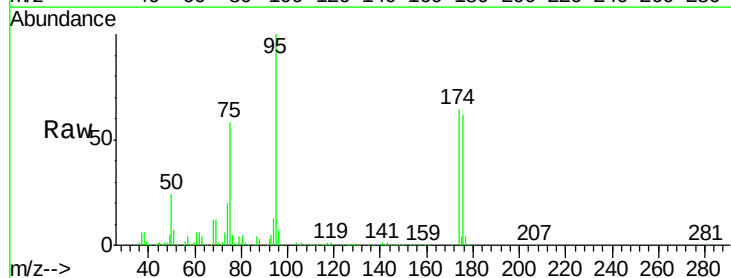
Acq: 21 Sep 2015 19:09

Tgt Ion: 75 Resp: 383372

Ion Ratio Lower Upper

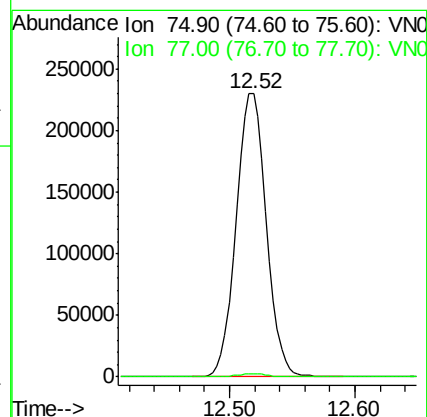
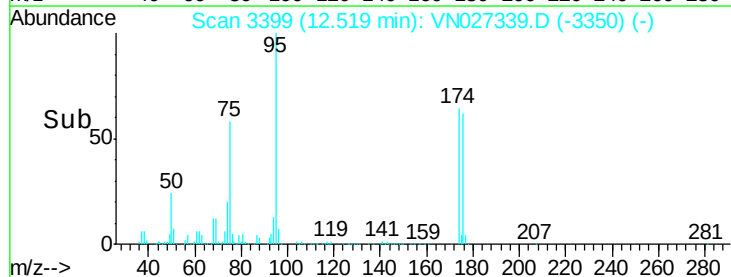
75 100

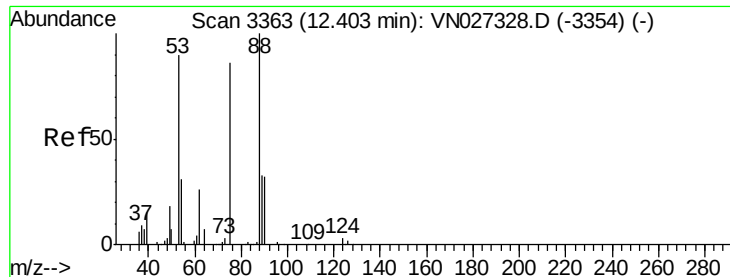
77 1.1 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#82

trans-1,4-Dichloro-2-butene

Concen: 98.43 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampleId :

PW-1

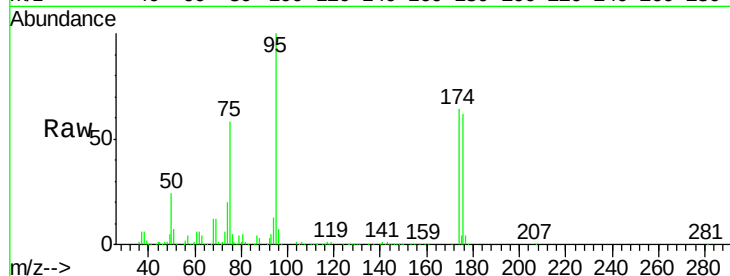
Tgt Ion: 75 Resp: 383372

Ion Ratio Lower Upper

75 100

53 0.1 92.9 139.3#

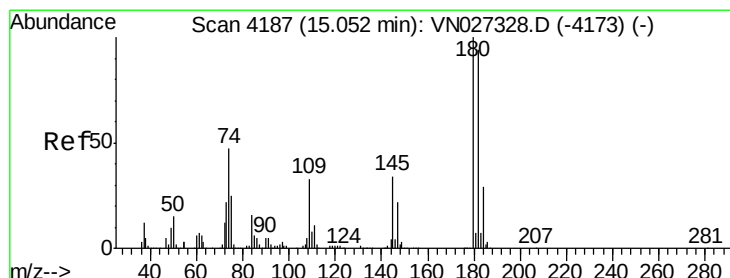
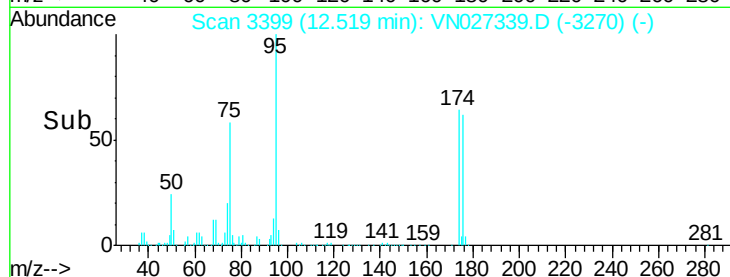
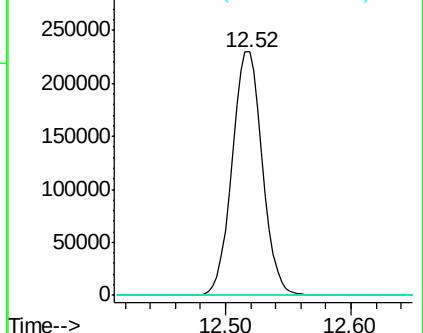
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN027339.D (-3270) (-)

Ion 53.00 (52.70 to 53.70): VN027339.D (-3270) (-)

Ion 88.90 (88.60 to 89.60): VN027339.D (-3270) (-)



#94

1,2,4-Trichlorobenzene

Concen: 0.82 ug/l

RT: 15.06 min Scan# 4188

Delta R.T. 0.00 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

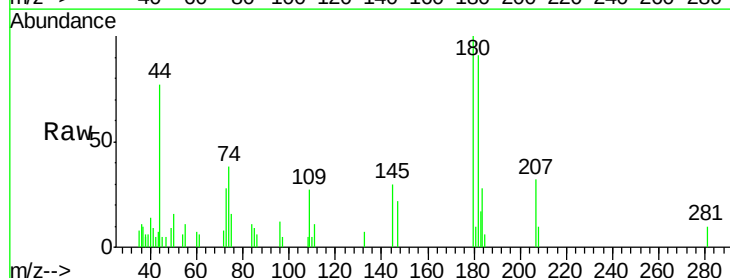
Tgt Ion: 180 Resp: 5663

Ion Ratio Lower Upper

180 100

182 85.9 47.5 142.5

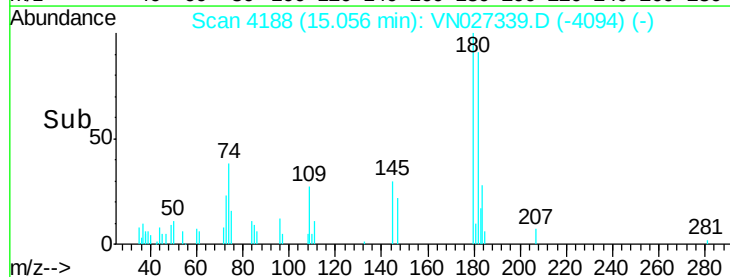
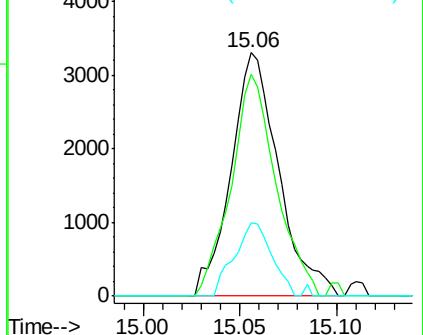
145 23.7 15.1 45.3

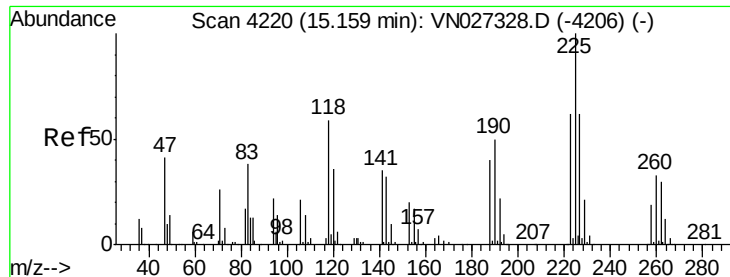


Abundance Ion 179.80 (179.50 to 180.50): VN027339.D (-4094) (-)

Ion 181.80 (181.50 to 182.50): VN027339.D (-4094) (-)

Ion 144.80 (144.50 to 145.50): VN027339.D (-4094) (-)





#95

Hexachlorobutadiene

Concen: 0.34 ug/l

RT: 15.17 min Scan# 4222

Delta R.T. 0.01 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

Instrument :

MSVOA_N

ClientSampled :

PW-1

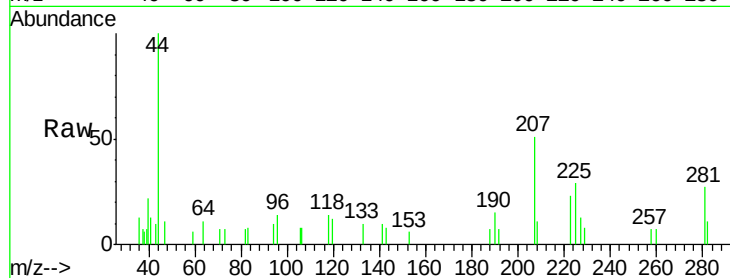
Tgt Ion:225 Resp: 1297

Ion Ratio Lower Upper

225 100

223 75.4 30.8 92.3

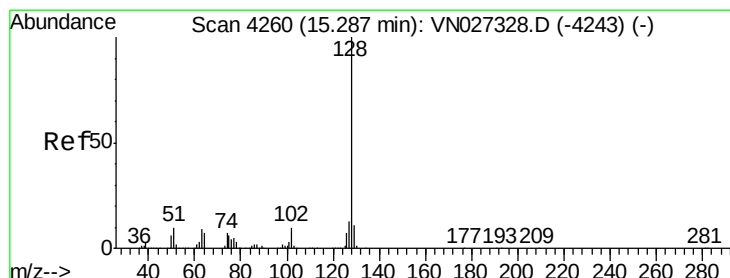
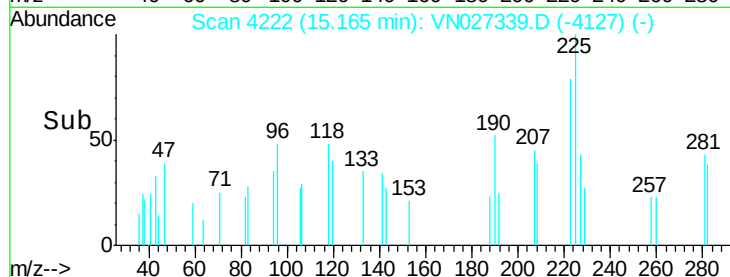
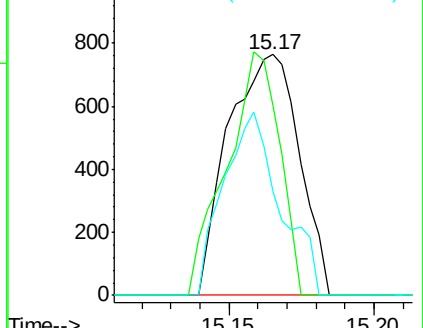
227 60.8 31.7 95.1



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: 4.55 ug/l

RT: 15.29 min Scan# 4261

Delta R.T. 0.00 min

Lab File: VN027339.D

Acq: 21 Sep 2015 19:09

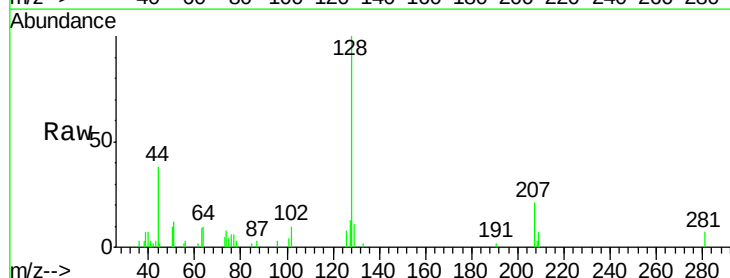
Tgt Ion:128 Resp: 16995

Ion Ratio Lower Upper

128 100

127 8.3 10.4 15.6#

129 0.0 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

