

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027335.D
 Acq On : 21 Sep 2015 17:18
 Operator : MD\FY
 Sample : G3747-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Sep 22 01:30:30 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	709658	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1286924	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1096755	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	375829	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	730511	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
36) Dibromofluoromethane	7.68	113	464923	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	
51) Toluene-d8	10.19	98	1898486	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
63) 4-Bromofluorobenzene	12.52	95	630314	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

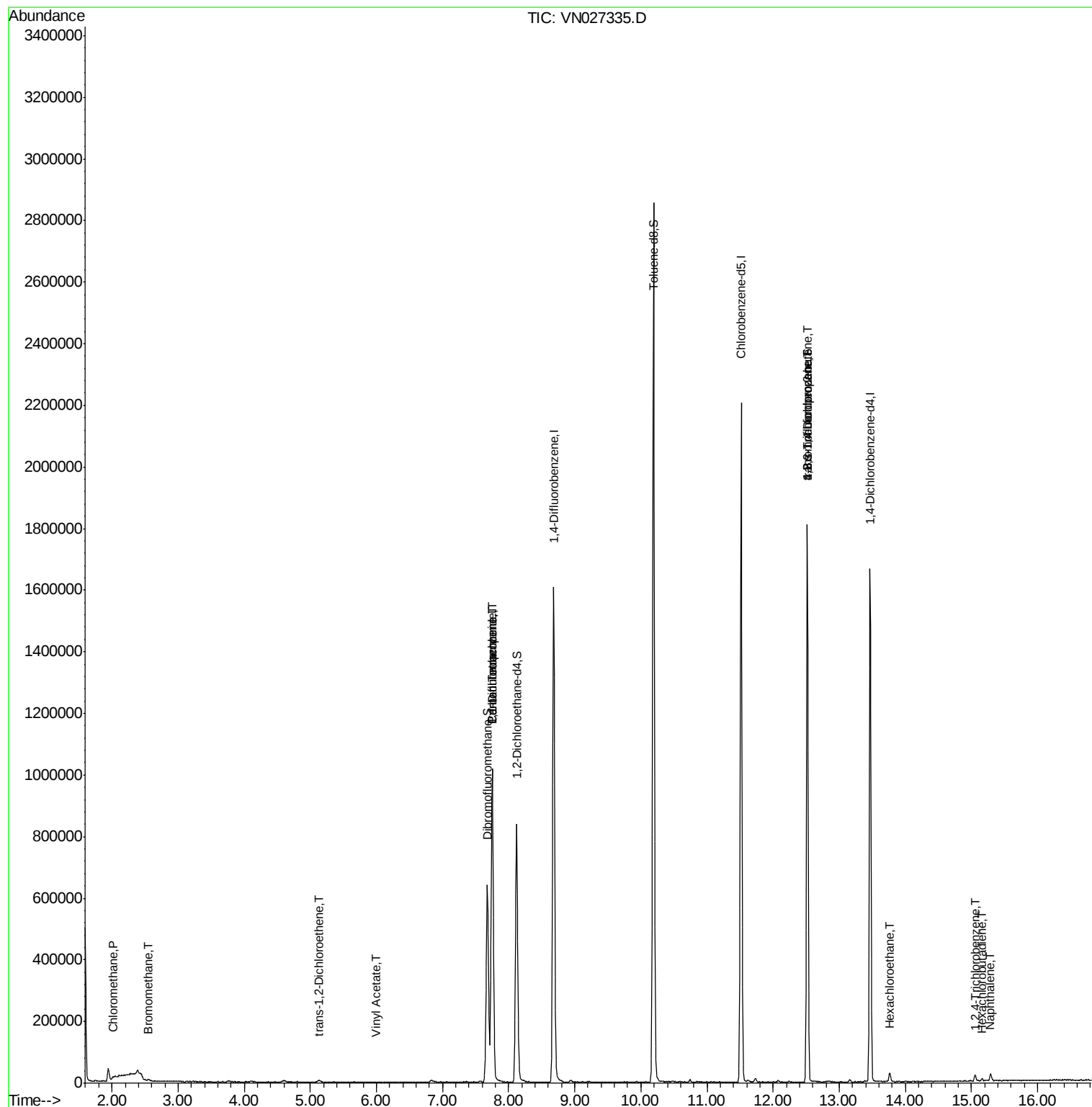
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1869	0.22	ug/l #	88
6) Bromomethane	2.55	94	2424	0.63	ug/l	84
22) trans-1,2-Dichloroethene	5.12	96	3191	0.36	ug/l #	55
24) Vinyl Acetate	5.99	43	49	9.28	ug/l #	76
32) Cyclohexane	7.75	56	22486	Below Cal	#	1
37) 1,1-Dichloropropene	7.75	75	76531	5.52	ug/l #	51
39) Carbon Tetrachloride	7.75	117	81071	6.21	ug/l #	16
77) 1,2,3-Trichloropropane	12.52	75	361252	38.29	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	361252	98.18	ug/l #	4
91) Hexachloroethane	13.77	117	1663	0.28	ug/l #	15
94) 1,2,4-Trichlorobenzene	15.06	180	5071	0.77	ug/l	91
95) Hexachlorobutadiene	15.16	225	1012	0.28	ug/l	85
96) Naphthalene	15.29	128	18988	4.69	ug/l #	95

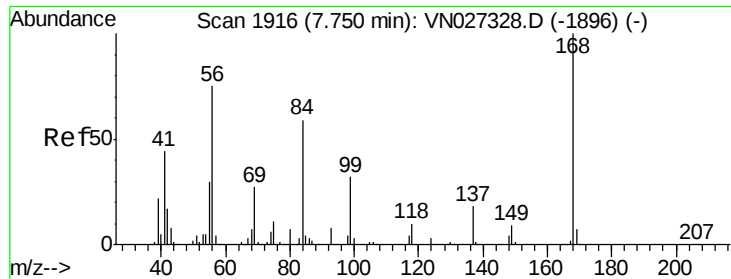
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN027335.D

Acq: 21 Sep 2015 17:18

Instrument :

MSVOA_N

ClientSampleId :

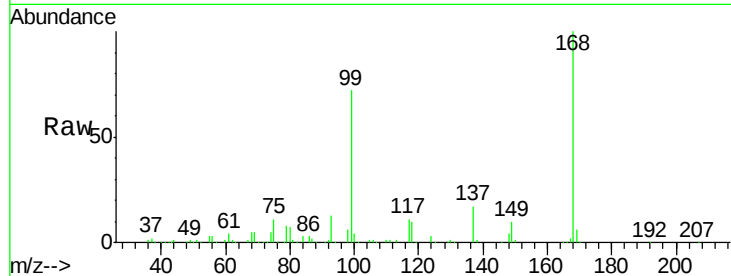
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Tgt Ion:168 Resp: 709658

Ion Ratio Lower Upper

168 100

99 72.0 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

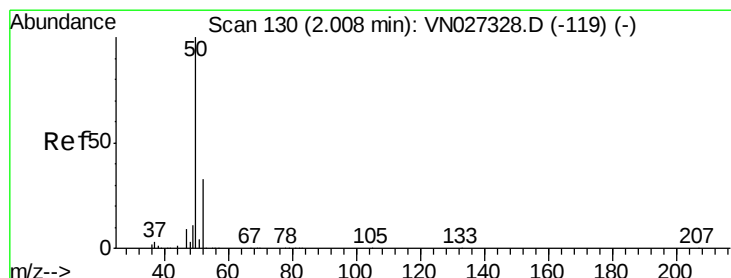
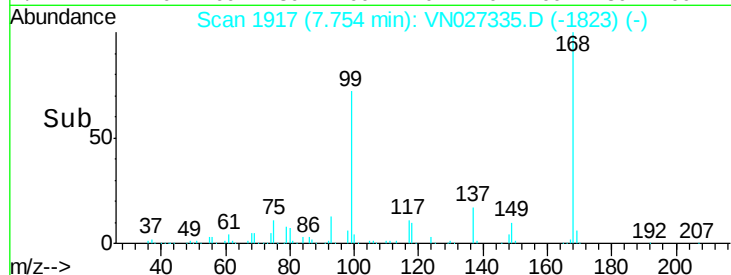
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.22 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027335.D

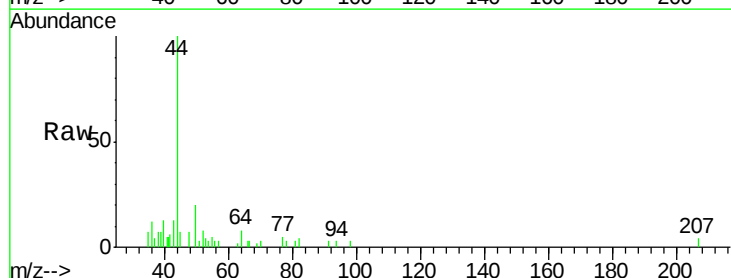
Acq: 21 Sep 2015 17:18

Tgt Ion: 50 Resp: 1869

Ion Ratio Lower Upper

50 100

52 39.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.01

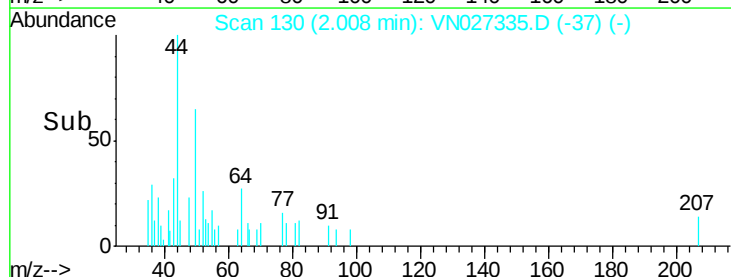
1500

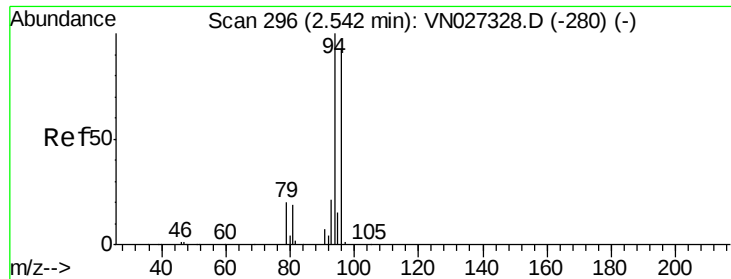
1000

500

0

Time-->





#6

Bromomethane

Concen: 0.63 ug/l

RT: 2.55 min Scan# 297

Delta R.T. 0.00 min

Lab File: VN027335.D

Acq: 21 Sep 2015 17:18

Instrument :

MSVOA_N

ClientSampled :

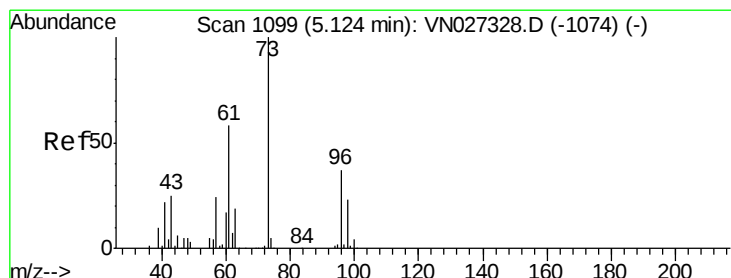
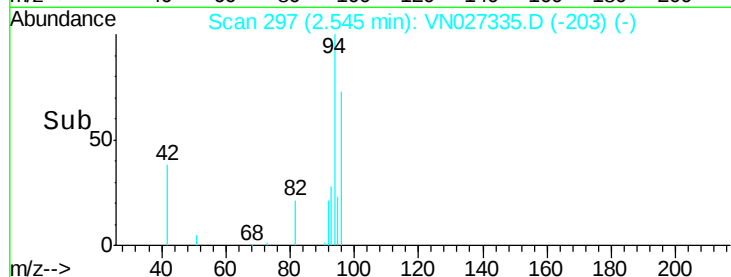
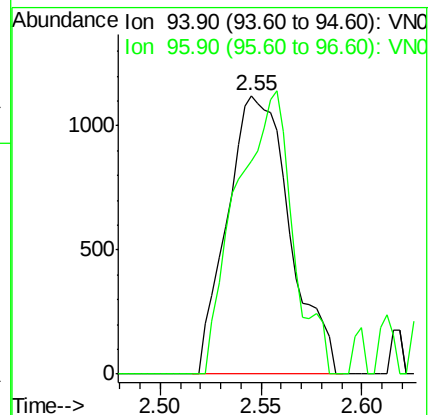
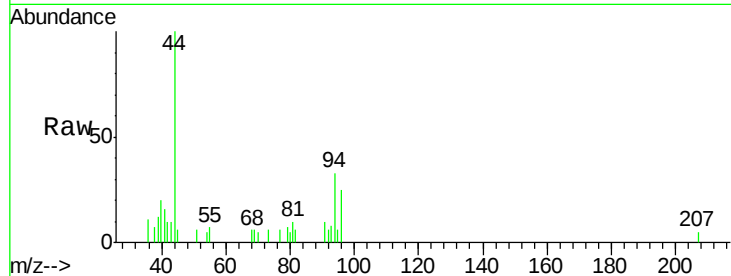
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Tgt Ion: 94 Resp: 2424

Ion Ratio Lower Upper

94 100

96 76.6 73.4 110.2



#22

trans-1,2-Dichloroethene

Concen: 0.36 ug/l

RT: 5.12 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VN027335.D

Acq: 21 Sep 2015 17:18

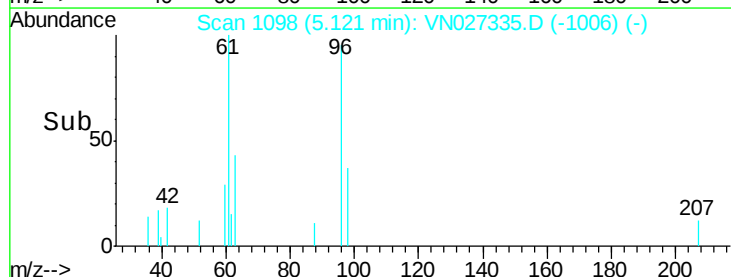
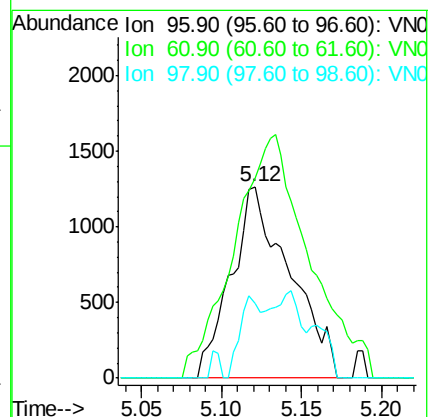
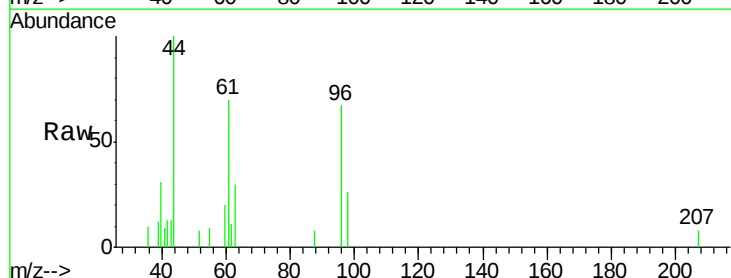
Tgt Ion: 96 Resp: 3191

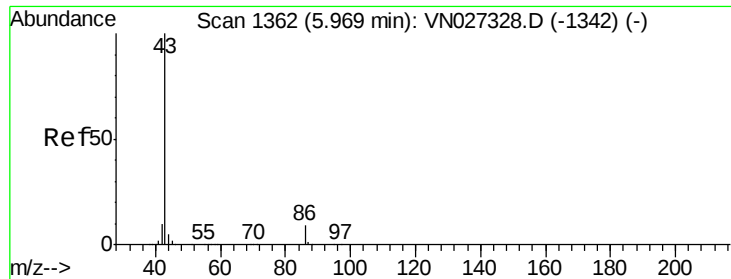
Ion Ratio Lower Upper

96 100

61 91.1 126.6 189.8#

98 39.1 47.4 71.2#





#24

Vinyl Acetate

Concen: 9.28 ug/l

RT: 5.99 min Scan# 1367

Delta R.T. 0.02 min

Lab File: VN027335.D

Acq: 21 Sep 2015 17:18

Instrument :

MSVOA_N

ClientSampleId :

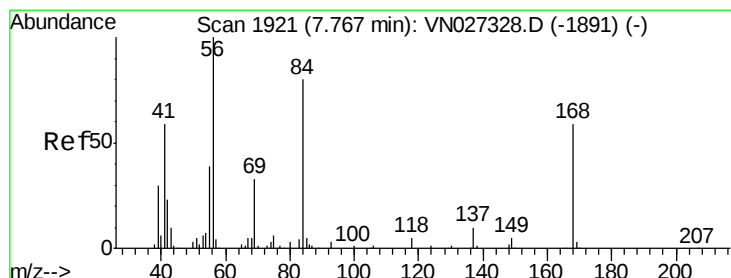
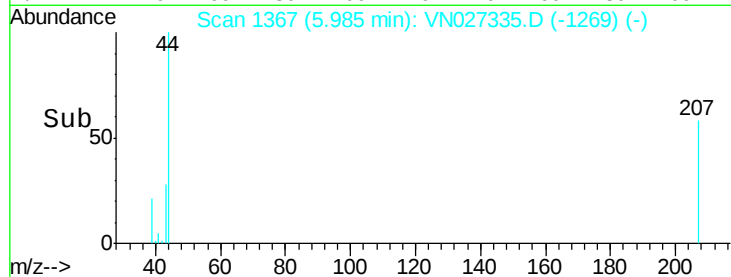
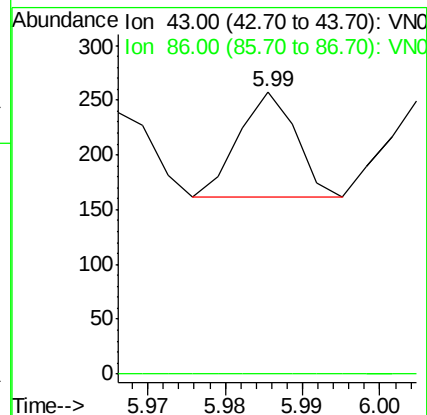
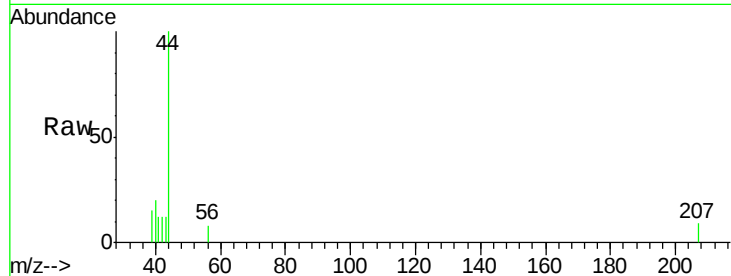
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Tgt Ion: 43 Resp: 49

Ion Ratio Lower Upper

43 100

86 0.0 6.9 10.3#



#32

Cyclohexane

Concen: Below Cal

RT: 7.75 min Scan# 1916

Delta R.T. -0.02 min

Lab File: VN027335.D

Acq: 21 Sep 2015 17:18

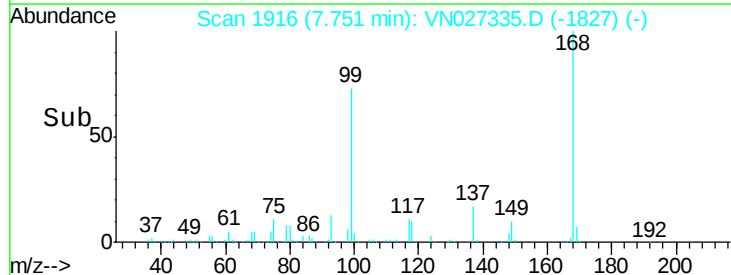
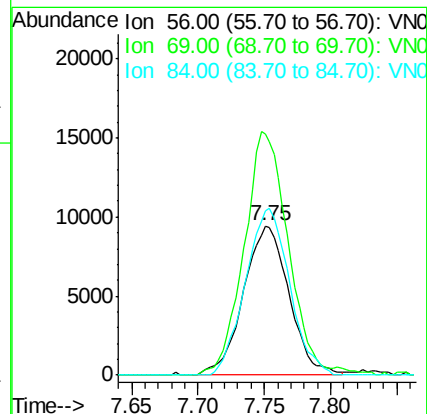
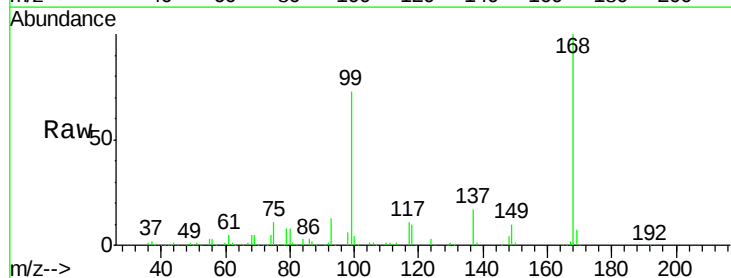
Tgt Ion: 56 Resp: 22486

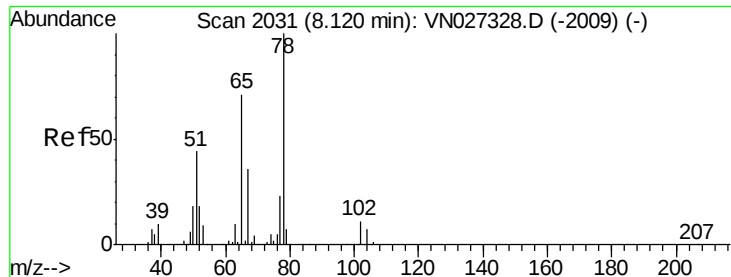
Ion Ratio Lower Upper

56 100

69 162.0 23.0 34.4#

84 110.5 57.8 86.8#





#34

1,2-Dichloroethane-d4

Concen: 52.58 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027335.D

Acq: 21 Sep 2015 17:18

Instrument :

MSVOA_N

ClientSampleId :

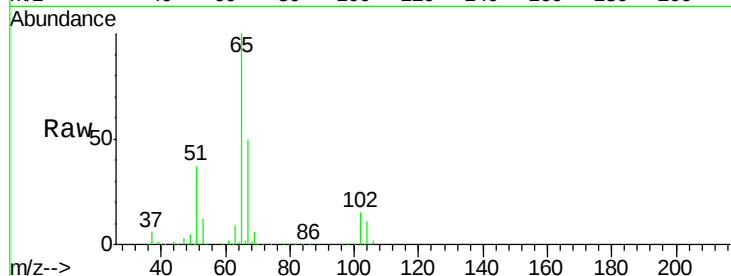
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Tgt Ion: 65 Resp: 730511

Ion Ratio Lower Upper

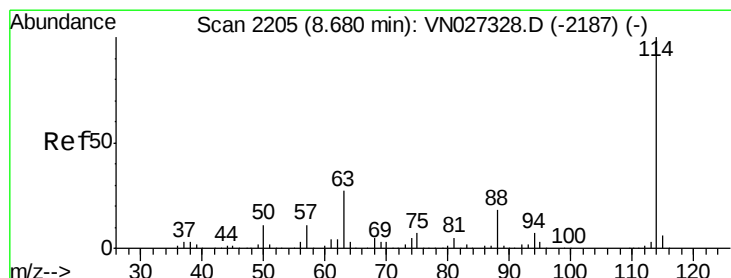
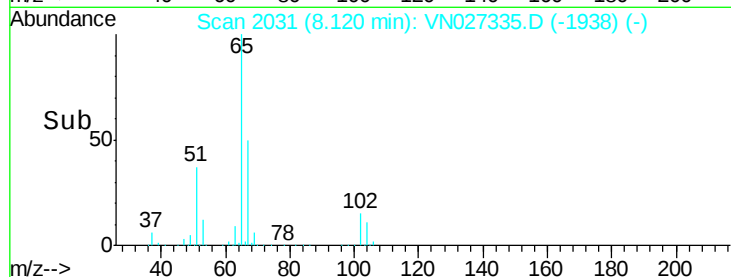
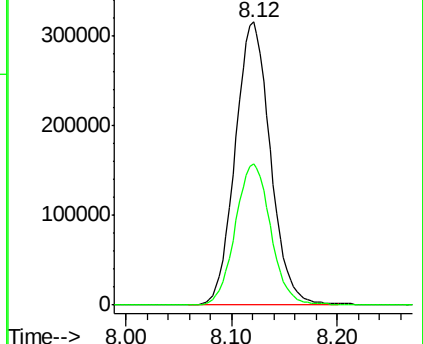
65 100

67 50.6 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: VN027335.D

Acq: 21 Sep 2015 17:18

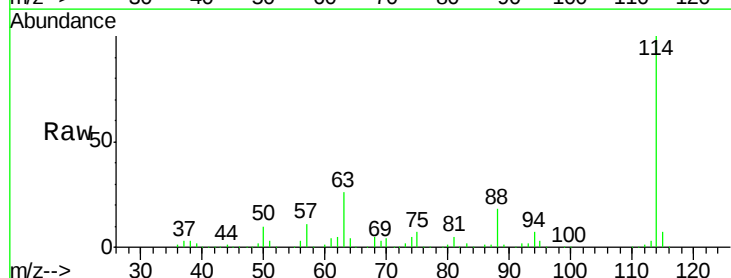
Tgt Ion: 114 Resp: 1286924

Ion Ratio Lower Upper

114 100

63 26.5 0.0 48.8

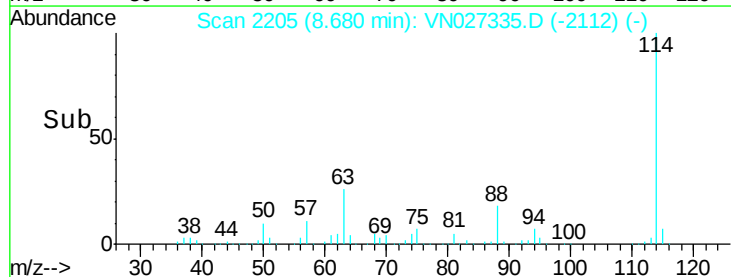
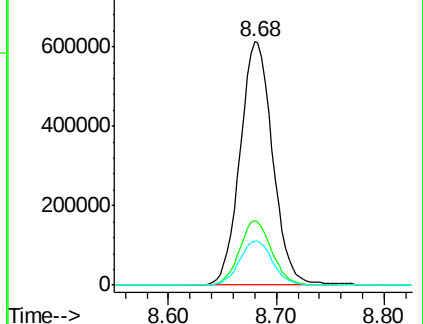
88 17.9 0.0 32.2

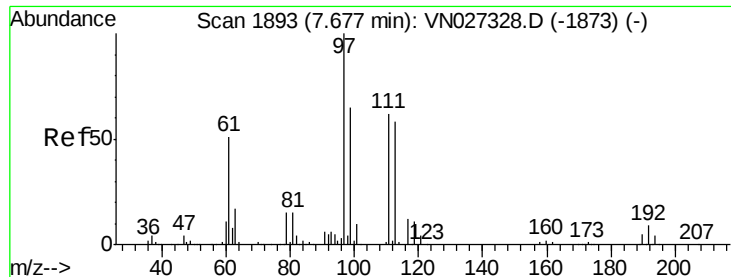


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

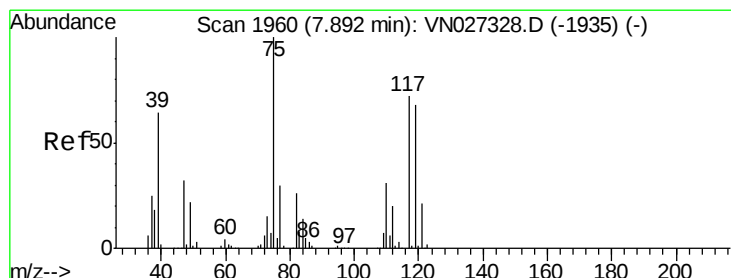
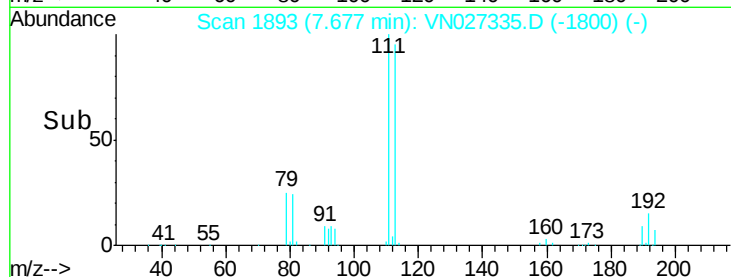
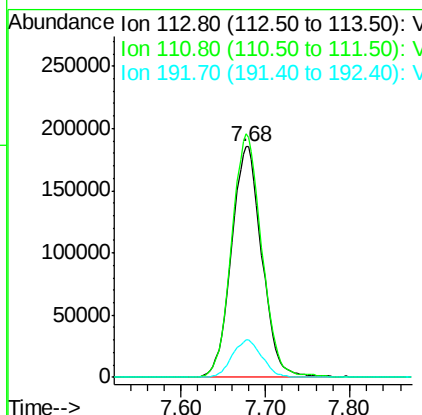
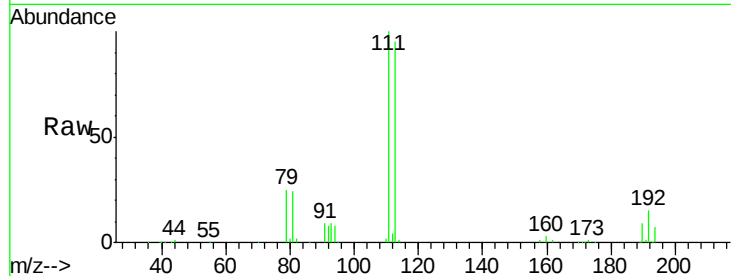




#36
 Dibromofluoromethane
 Concen: 55.37 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027335.D
 Acq: 21 Sep 2015 17:18

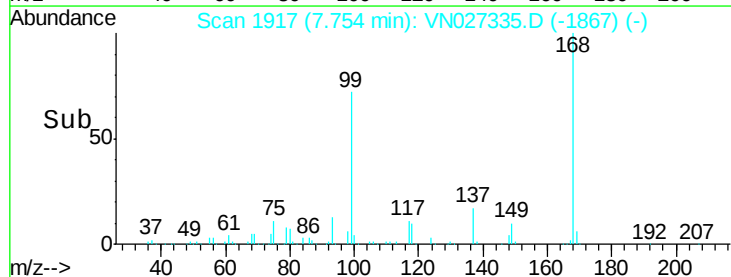
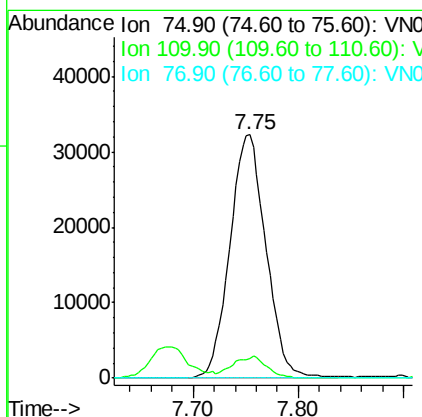
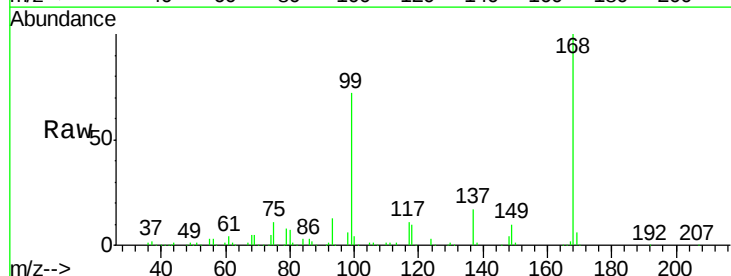
Instrument :
 MSVOA_N
 ClientSampled :
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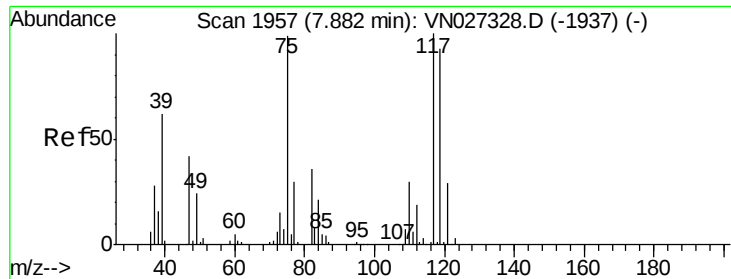
Tgt Ion:113 Resp: 464923
 Ion Ratio Lower Upper
 113 100
 111 104.8 83.0 124.4
 192 16.0 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 5.52 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.14 min
 Lab File: VN027335.D
 Acq: 21 Sep 2015 17:18

Tgt Ion: 75 Resp: 76531
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.9 47.7#
 77 0.0 24.9 37.3#





#39

Carbon Tetrachloride

Concen: 6.21 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.13 min

Lab File: VN027335.D

Acq: 21 Sep 2015 17:18

Instrument :

MSVOA_N

ClientSampleId :

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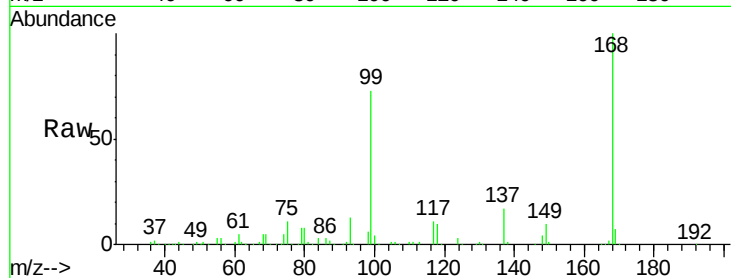
Tgt Ion:117 Resp: 81071

Ion Ratio Lower Upper

117 100

119 4.4 75.3 112.9#

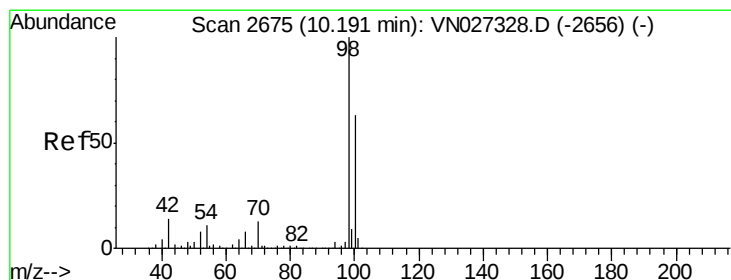
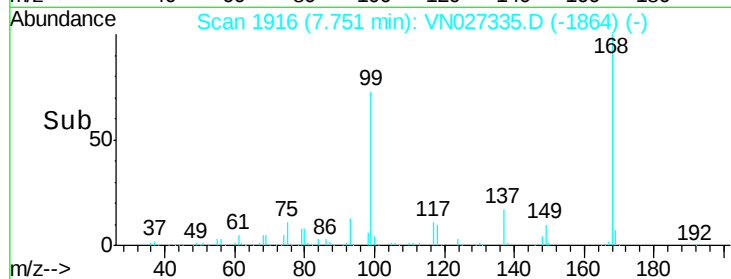
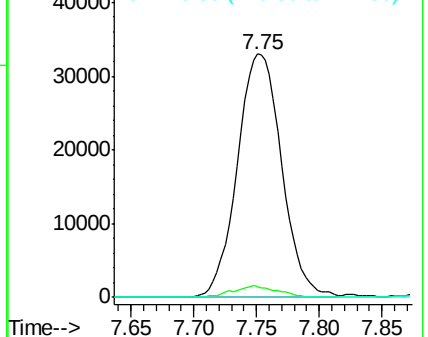
121 0.0 23.8 35.8#



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: 58.48 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027335.D

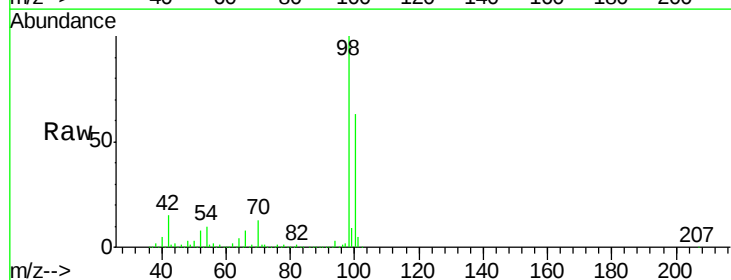
Acq: 21 Sep 2015 17:18

Tgt Ion: 98 Resp: 1898486

Ion Ratio Lower Upper

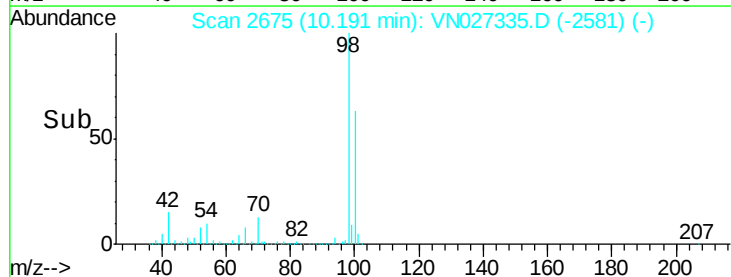
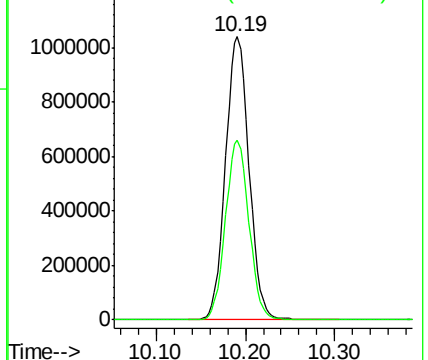
98 100

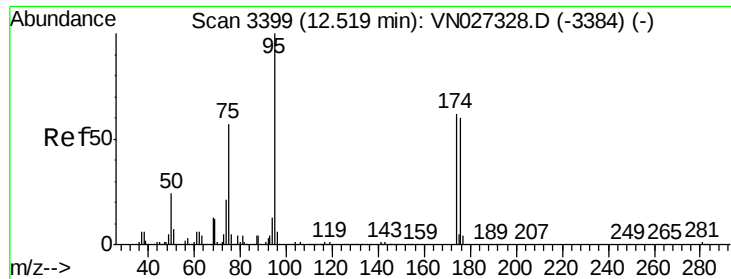
100 63.4 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

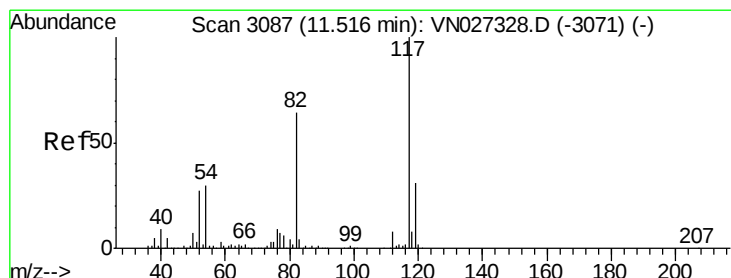
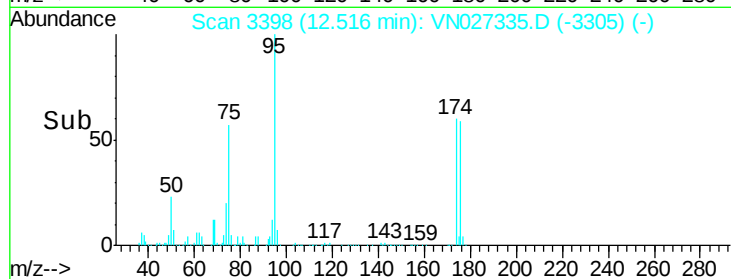
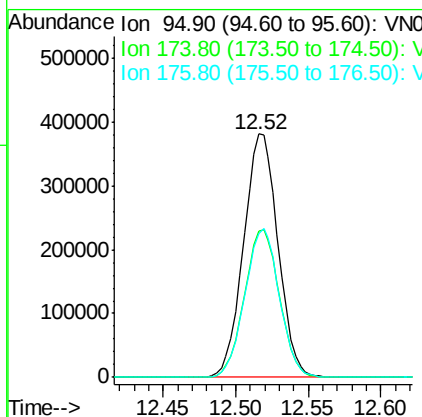
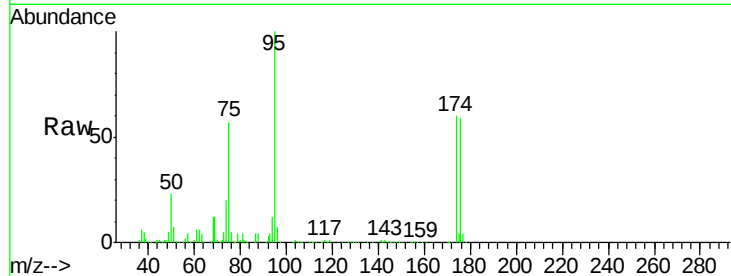




#63
4-Bromofluorobenzene
Concen: 53.44 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027335.D
Acq: 21 Sep 2015 17:18

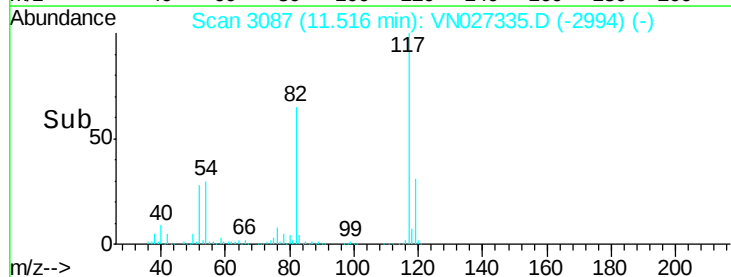
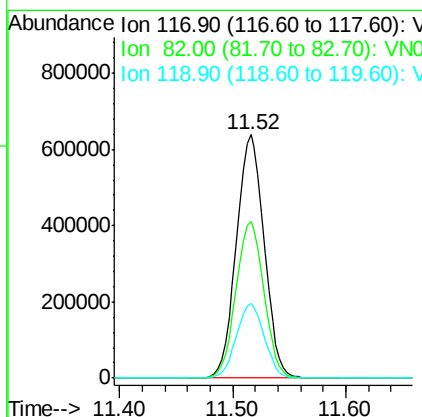
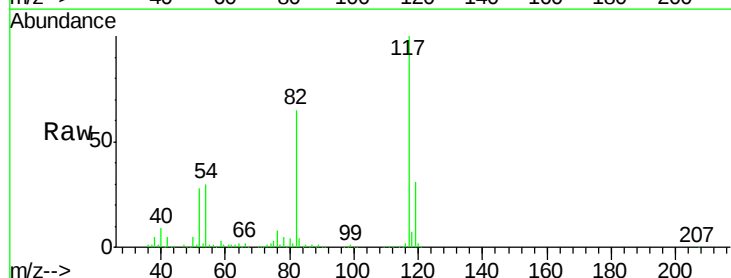
Instrument :
MSVOA_N
ClientSampleId :
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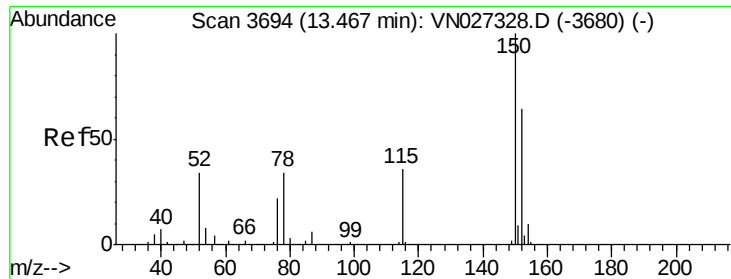
Tgt Ion: 95 Resp: 630314
Ion Ratio Lower Upper
95 100
174 61.8 0.0 137.0
176 61.3 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027335.D
Acq: 21 Sep 2015 17:18

Tgt Ion: 117 Resp: 1096755
Ion Ratio Lower Upper
117 100
82 64.5 49.6 74.4
119 30.6 24.6 36.8

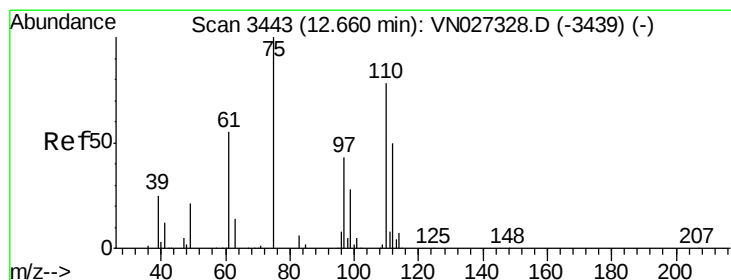
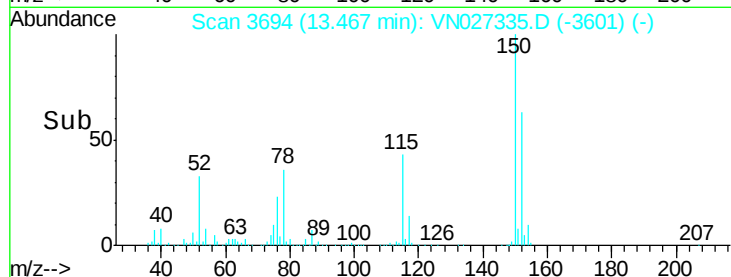
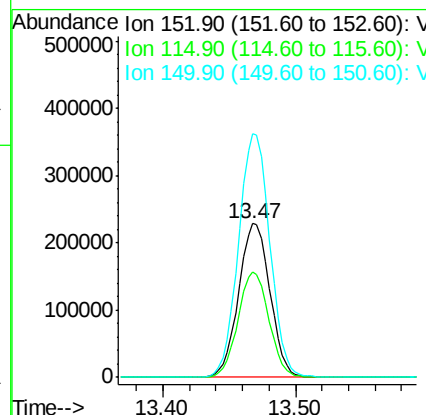
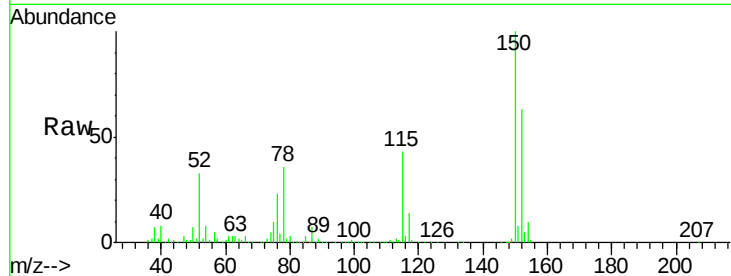




#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027335.D
 Acq: 21 Sep 2015 17:18

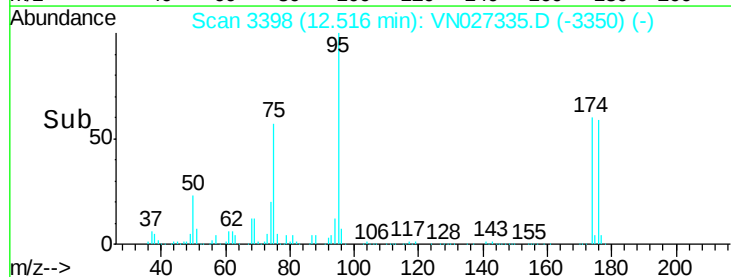
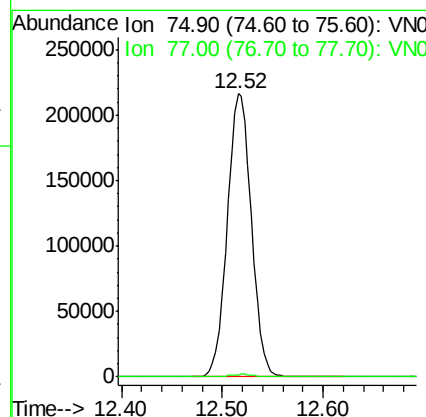
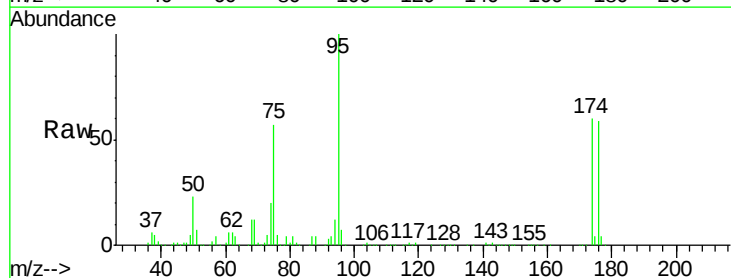
Instrument :
 MSVOA_N
 ClientSampleId :
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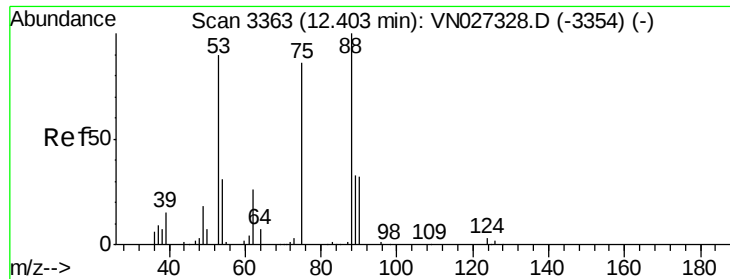
Tgt Ion:152 Resp: 375829
 Ion Ratio Lower Upper
 152 100
 115 67.4 30.8 92.3
 150 158.2 0.0 345.0



#77
 1,2,3-Trichloropropane
 Concen: 38.29 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. -0.14 min
 Lab File: VN027335.D
 Acq: 21 Sep 2015 17:18

Tgt Ion: 75 Resp: 361252
 Ion Ratio Lower Upper
 75 100
 77 1.0 103.1 309.3#

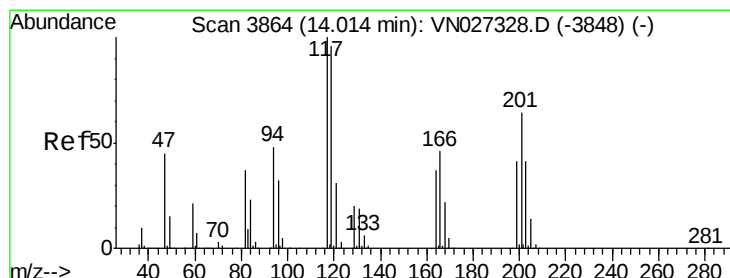
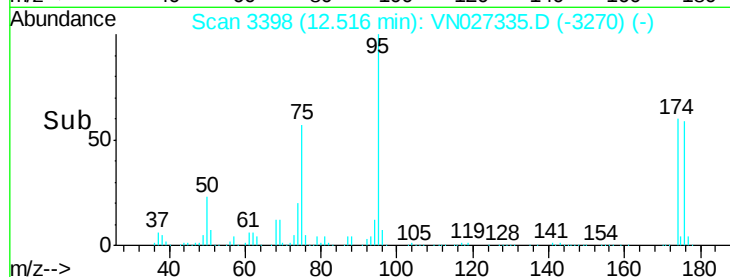
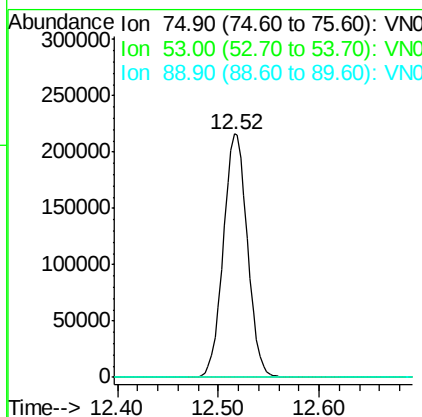
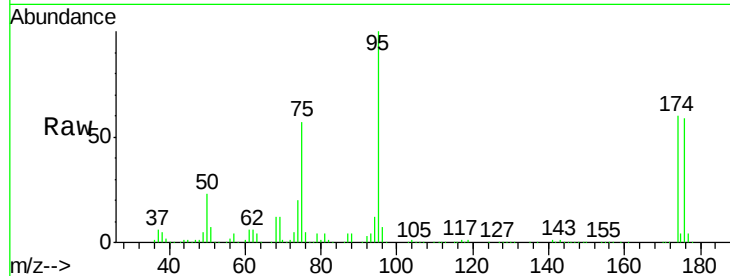




#82
trans-1,4-Dichloro-2-butene
Concen: 98.18 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.11 min
Lab File: VN027335.D
Acq: 21 Sep 2015 17:18

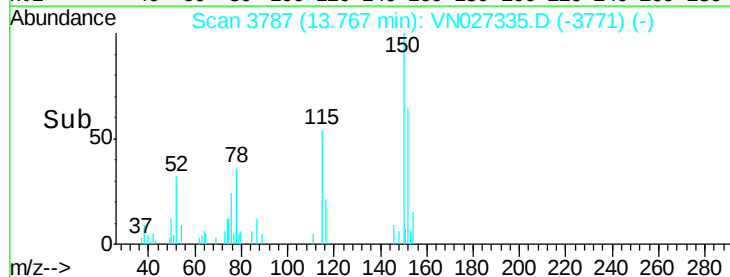
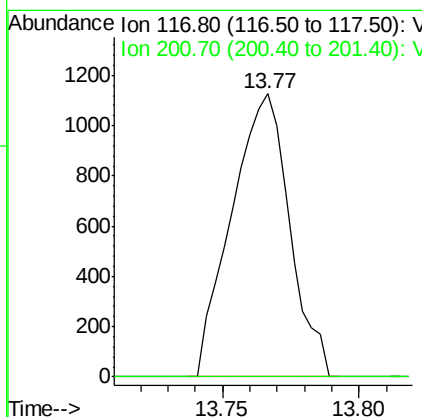
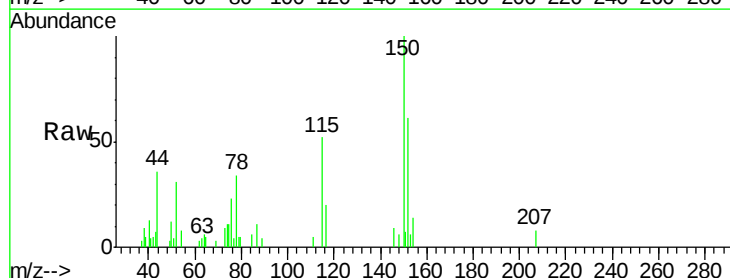
Instrument :
MSVOA_N
ClientSampleId :
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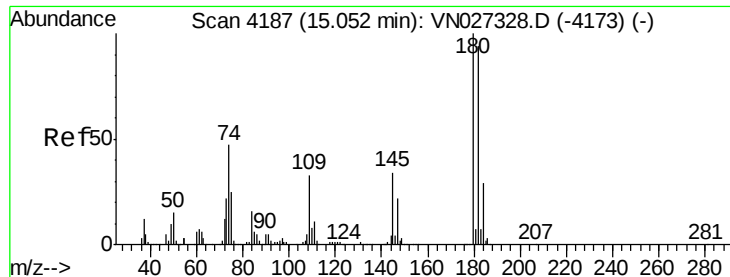
Tgt Ion: 75 Resp: 361252
Ion Ratio Lower Upper
75 100
53 0.0 92.9 139.3#
89 0.0 34.2 51.4#



#91
Hexachloroethane
Concen: 0.28 ug/l
RT: 13.77 min Scan# 3787
Delta R.T. -0.25 min
Lab File: VN027335.D
Acq: 21 Sep 2015 17:18

Tgt Ion: 117 Resp: 1663
Ion Ratio Lower Upper
117 100
201 0.0 34.9 104.7#

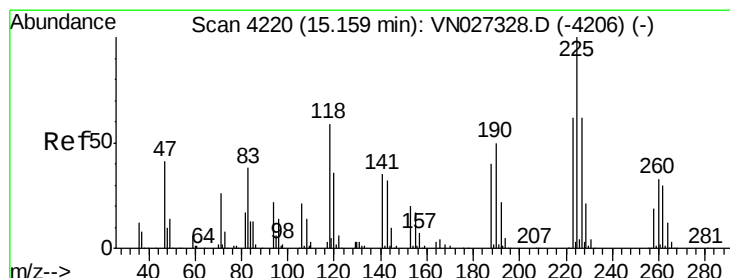
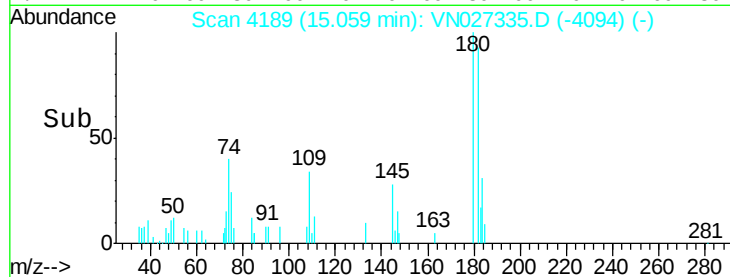
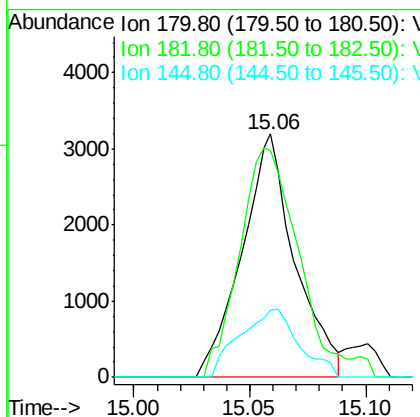
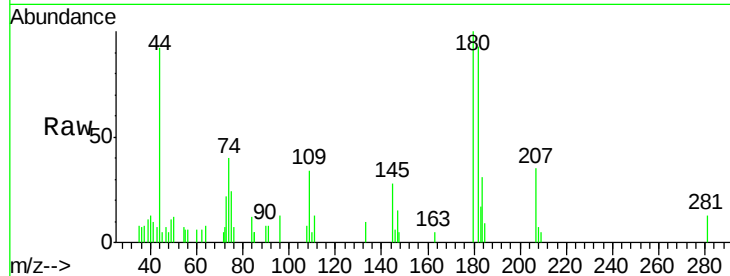




#94
 1,2,4-Trichlorobenzene
 Concen: 0.77 ug/l
 RT: 15.06 min Scan# 4189
 Delta R.T. 0.01 min
 Lab File: VN027335.D
 Acq: 21 Sep 2015 17:18

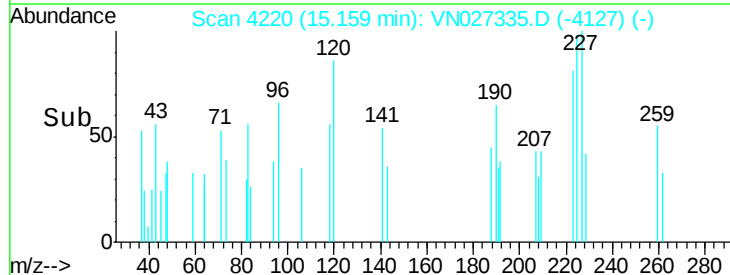
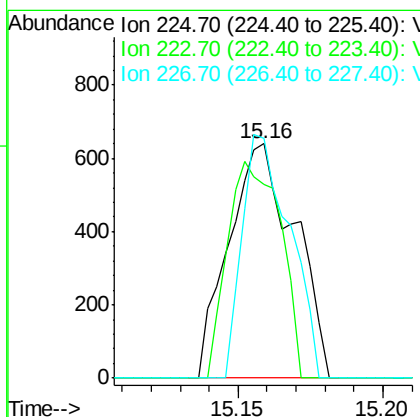
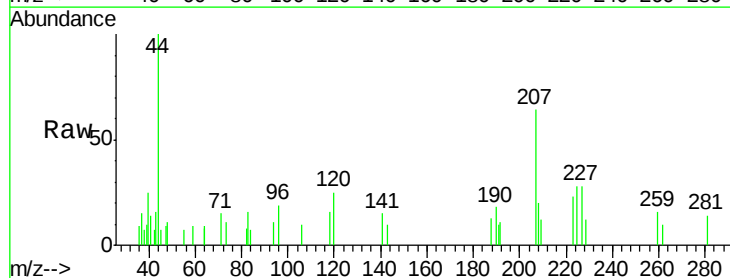
Instrument :
 MSVOA_N
 ClientSampleId :
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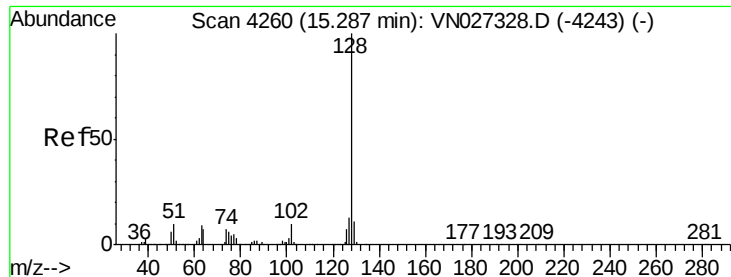
Tgt Ion:180 Resp: 5071
 Ion Ratio Lower Upper
 180 100
 182 106.4 47.5 142.5
 145 31.3 15.1 45.3



#95
 Hexachlorobutadiene
 Concen: 0.28 ug/l
 RT: 15.16 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: VN027335.D
 Acq: 21 Sep 2015 17:18

Tgt Ion:225 Resp: 1012
 Ion Ratio Lower Upper
 225 100
 223 74.2 30.8 92.3
 227 74.4 31.7 95.1





#96

Naphthalene

Concen: 4.69 ug/l

RT: 15.29 min Scan# 4261

Delta R.T. 0.00 min

Lab File: VN027335.D

Acq: 21 Sep 2015 17:18

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

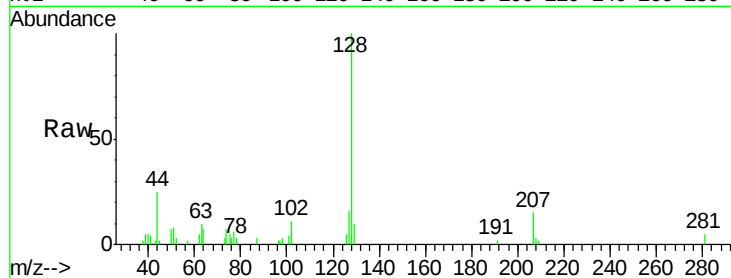
Tgt Ion:128 Resp: 18988

Ion Ratio Lower Upper

128 100

127 16.2 10.4 15.6#

129 10.2 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

