

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027248.D
 Acq On : 17 Sep 2015 11:59
 Operator : MD\FY
 Sample : G3704-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Sep 18 01:11:09 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	754005	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1354426	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1114556	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	366721	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	747730	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
36) Dibromofluoromethane	7.68	113	486220	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
51) Toluene-d8	10.19	98	1992573	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
63) 4-Bromofluorobenzene	12.52	95	623423	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

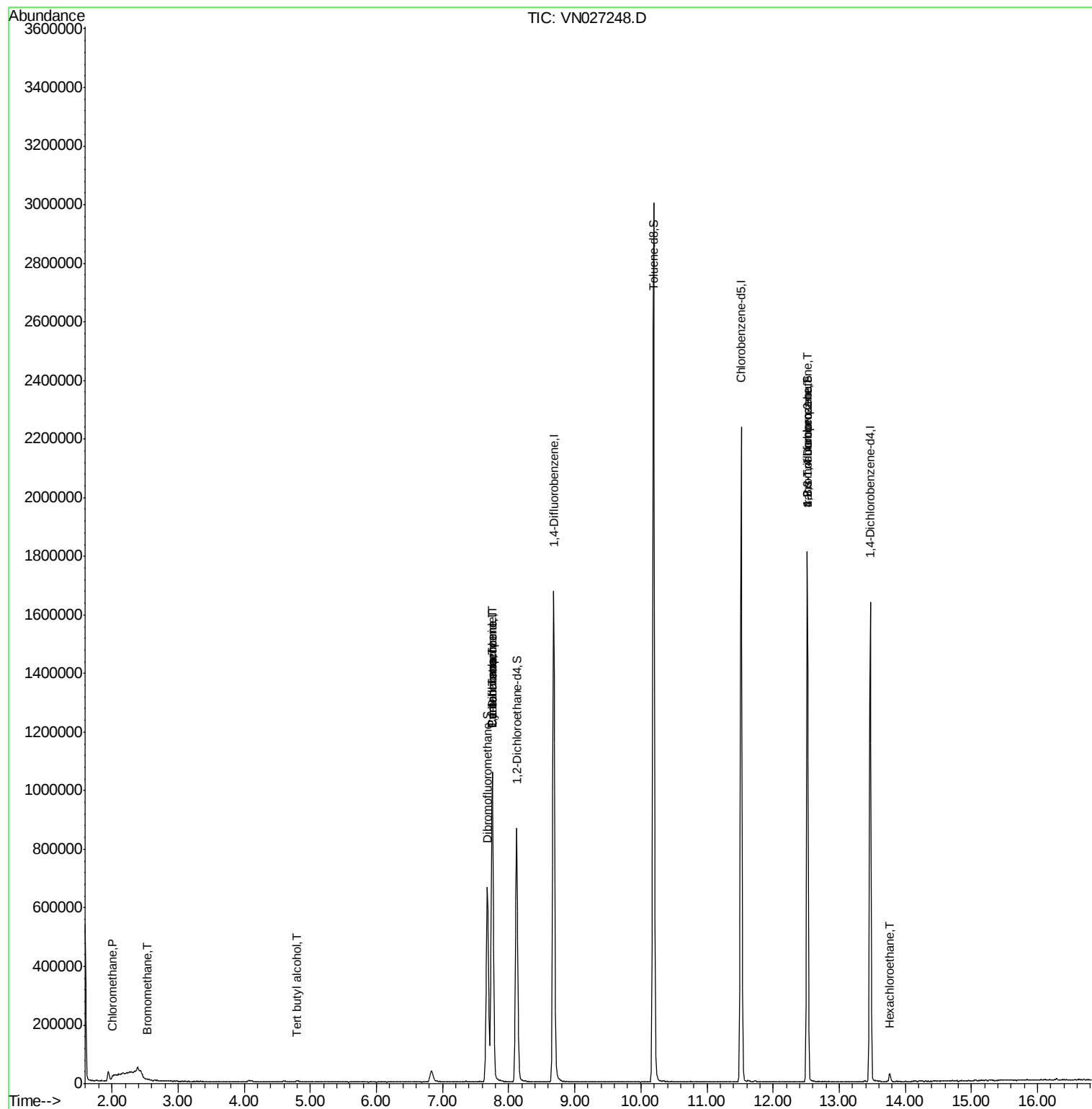
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	2680	1.37	ug/l #	82
6) Bromomethane	2.54	94	761	1.74	ug/l #	77
12) Tert butyl alcohol	4.80	59	2183	1.45	ug/l #	93
32) Cyclohexane	7.75	56	24803	0.25	ug/l #	20
37) 1,1-Dichloropropene	7.75	75	78579	4.96	ug/l #	51
38) Ethyl Acetate	7.03	43	172	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	86258	5.79	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.55	83	65	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	358511	32.35	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	358511	79.45	ug/l #	4
91) Hexachloroethane	13.76	117	1661	0.25	ug/l #	15
93) 1,2-Dibromo-3-Chloropropan	14.40	75	60	Below Cal	#	9

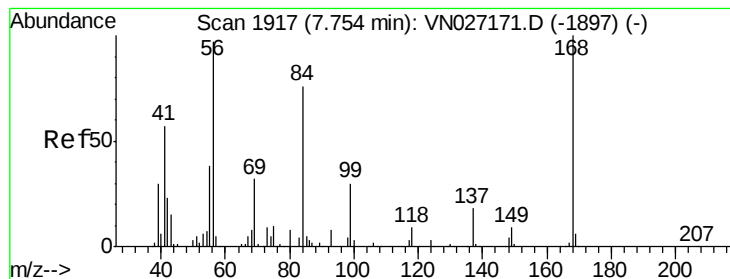
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 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: VN027248.D

Acq: 17 Sep 2015 11:59

Instrument :

MSVOA_N

ClientSampleId :

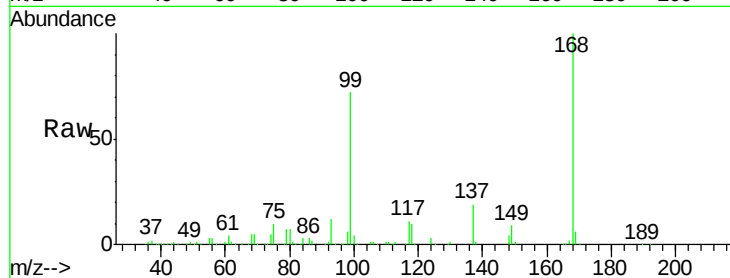
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Tgt Ion:168 Resp: 754005

Ion Ratio Lower Upper

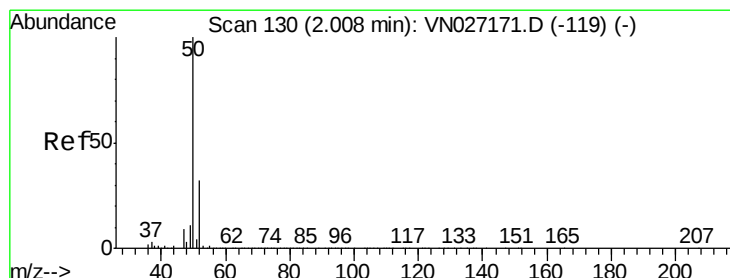
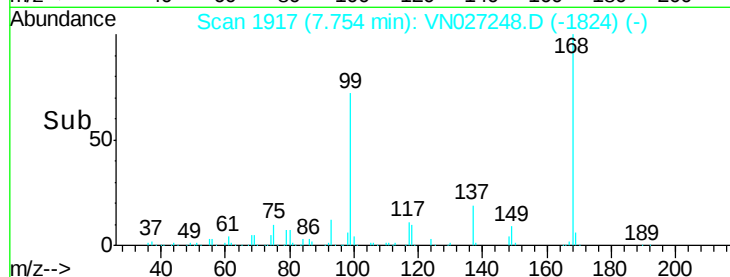
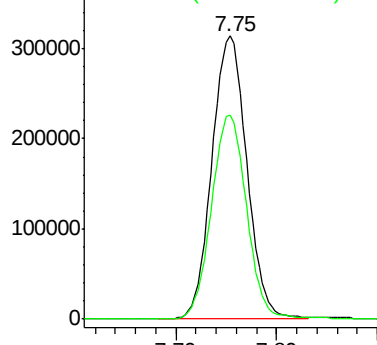
168 100

99 71.9 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Chloromethane

Concen: 1.37 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027248.D

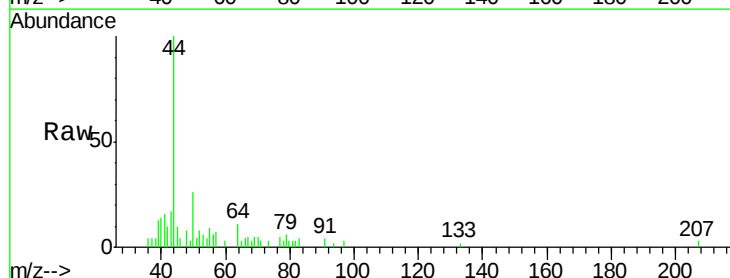
Acq: 17 Sep 2015 11:59

Tgt Ion: 50 Resp: 2680

Ion Ratio Lower Upper

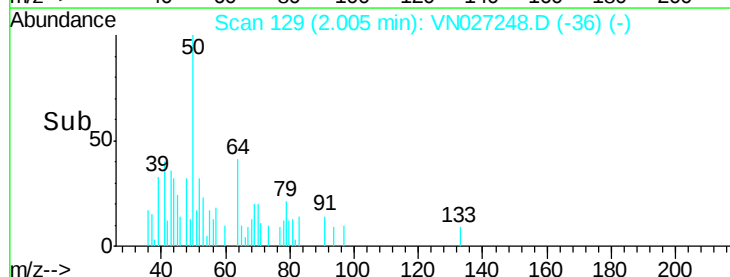
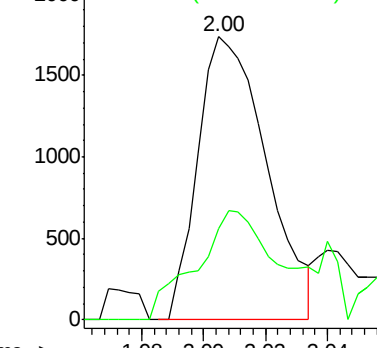
50 100

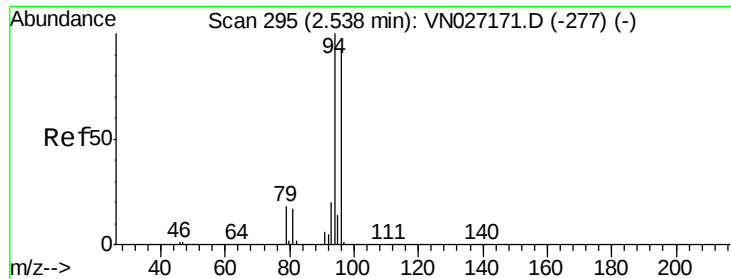
52 22.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#6

Bromomethane

Concen: 1.74 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

Instrument :

MSVOA_N

ClientSampled :

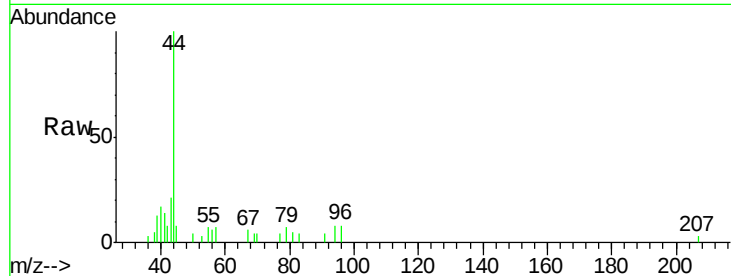
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Tgt Ion: 94 Resp: 761

Ion Ratio Lower Upper

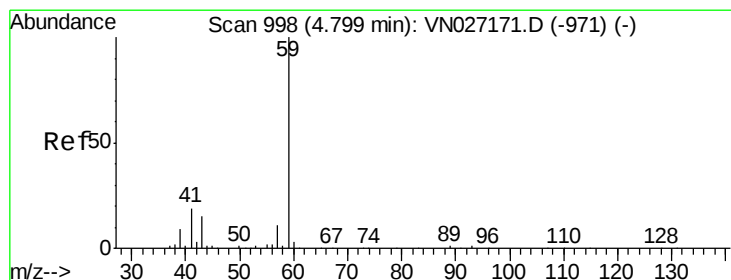
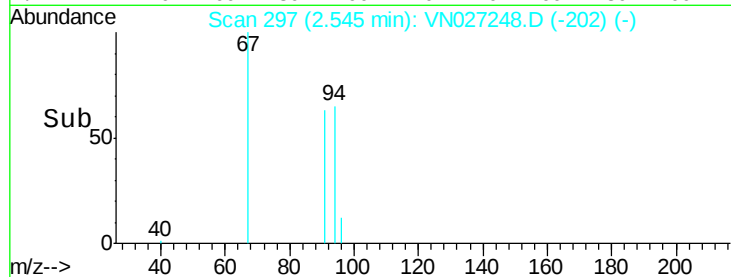
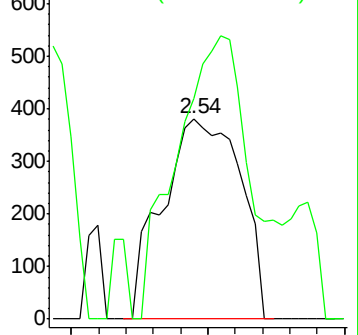
94 100

96 70.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#12

Tert butyl alcohol

Concen: 1.45 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN027248.D

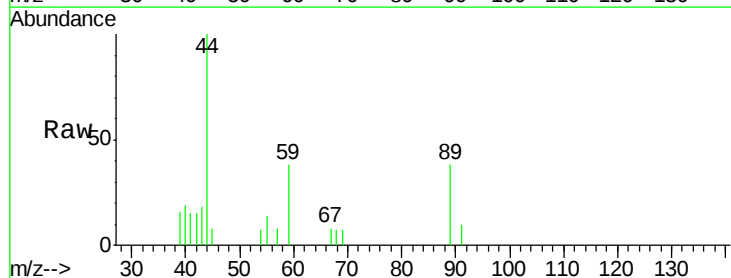
Acq: 17 Sep 2015 11:59

Tgt Ion: 59 Resp: 2183

Ion Ratio Lower Upper

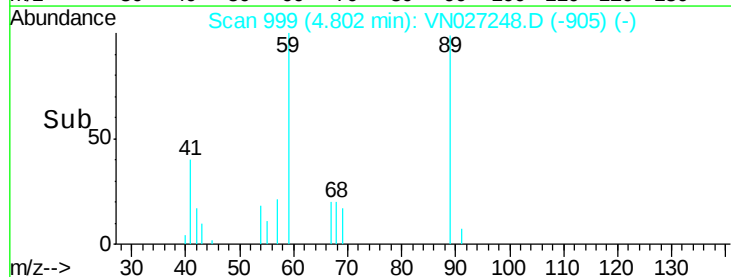
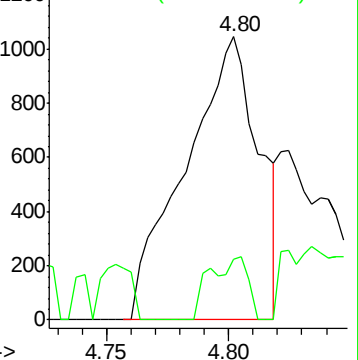
59 100

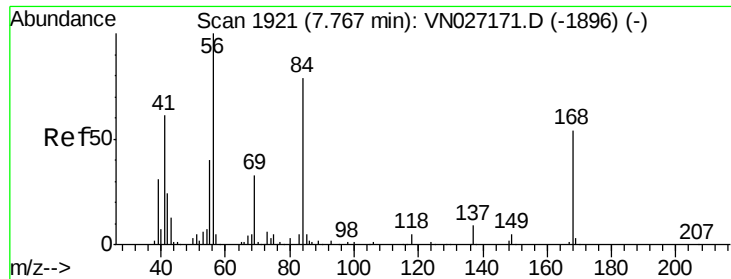
57 6.9 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

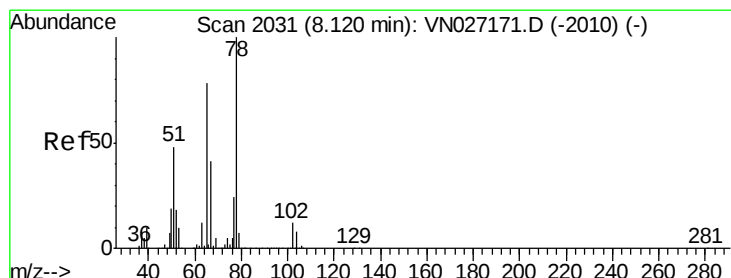
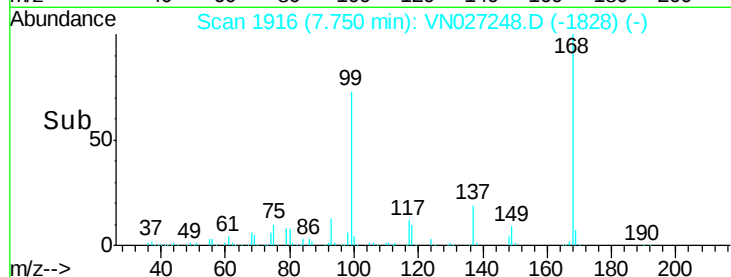
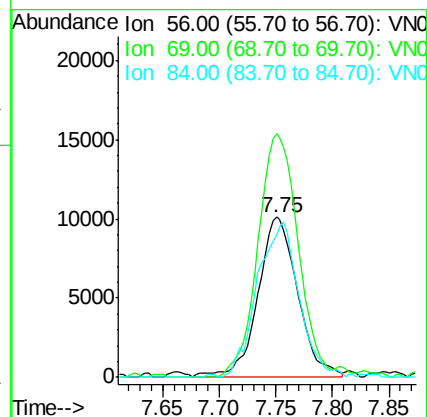
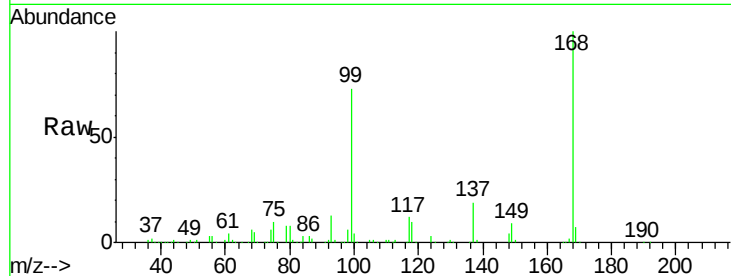




#32
Cyclohexane
Concen: 0.25 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.02 min
Lab File: VN027248.D
Acq: 17 Sep 2015 11:59

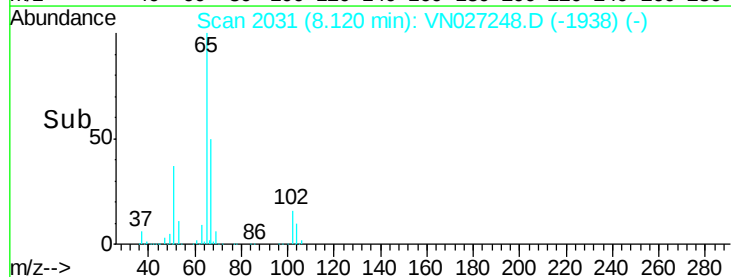
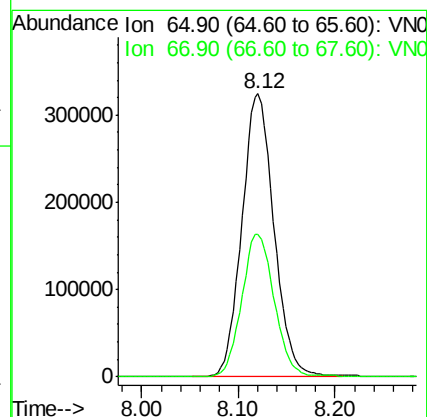
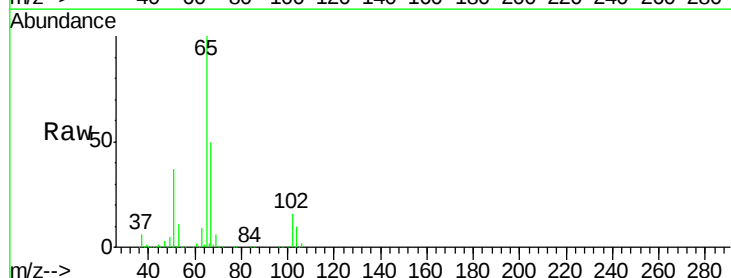
Instrument :
MSVOA_N
ClientSampleId :
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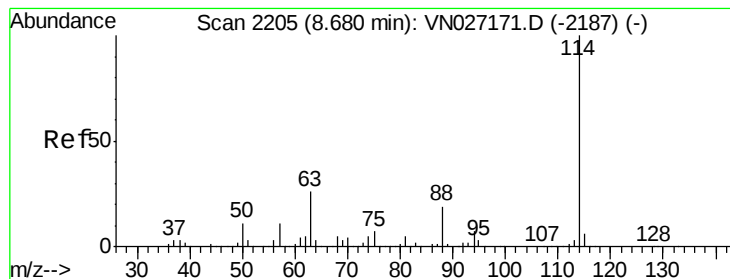
Tgt Ion: 56 Resp: 24803
Ion Ratio Lower Upper
56 100
69 151.9 23.0 34.4#
84 88.6 57.8 86.8#



#34
1,2-Dichloroethane-d4
Concen: 48.40 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VN027248.D
Acq: 17 Sep 2015 11:59

Tgt Ion: 65 Resp: 747730
Ion Ratio Lower Upper
65 100
67 51.4 0.0 110.6





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

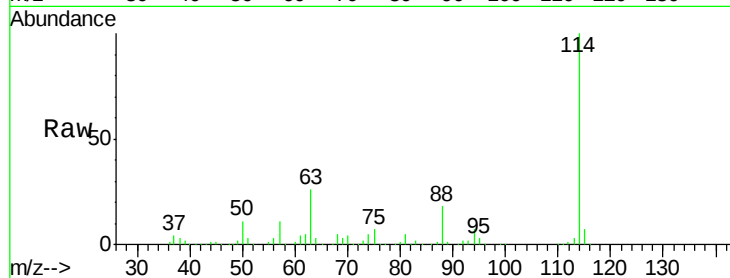
Tgt Ion:114 Resp: 1354426

Ion Ratio Lower Upper

114 100

63 26.2 0.0 48.8

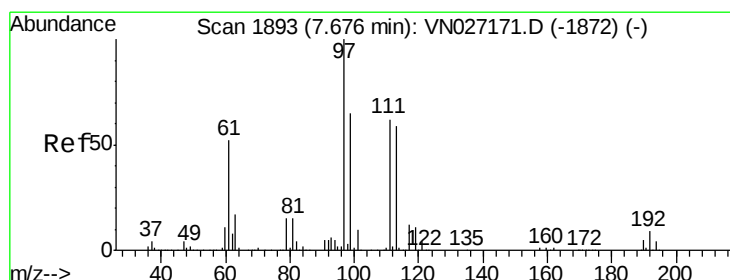
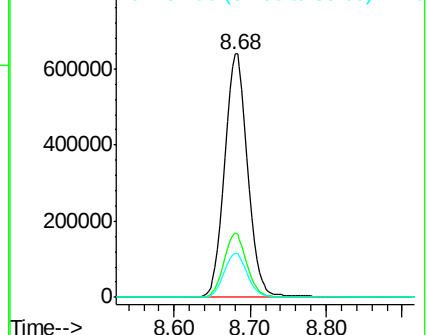
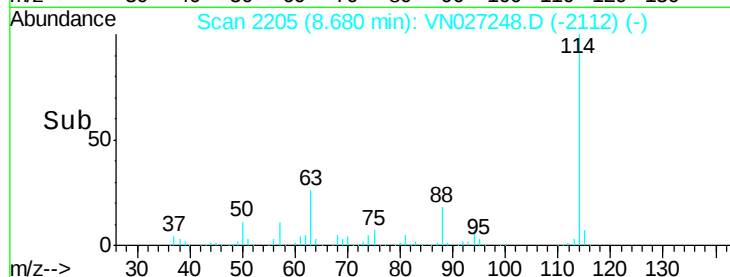
88 18.3 0.0 32.2



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: 51.79 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

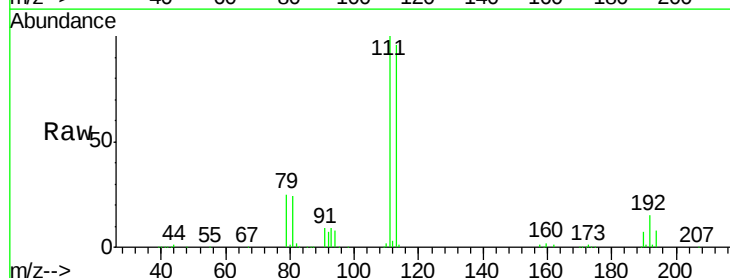
Tgt Ion:113 Resp: 486220

Ion Ratio Lower Upper

113 100

111 106.5 83.0 124.4

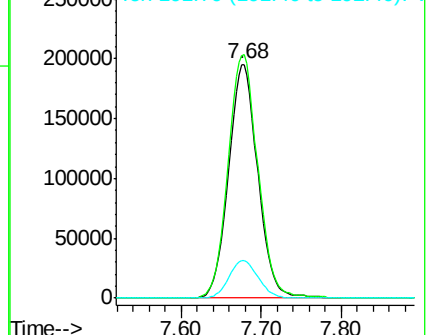
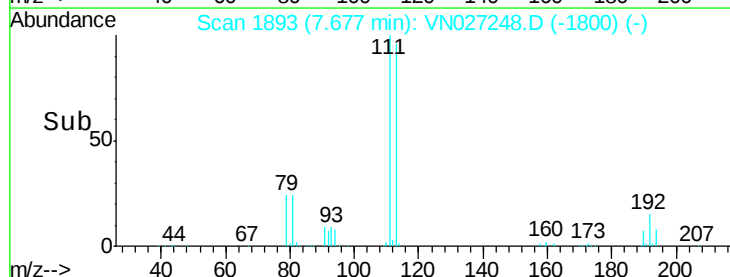
192 16.2 14.1 21.1

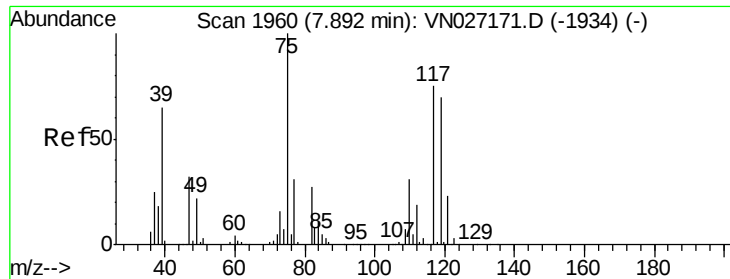


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

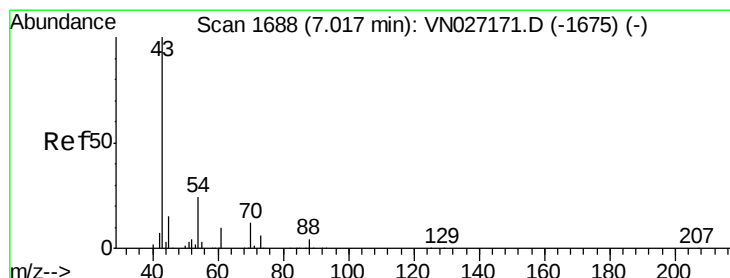
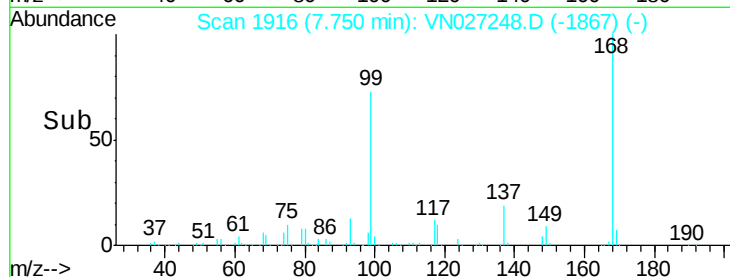
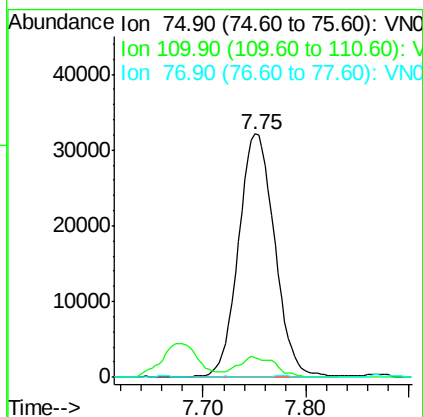
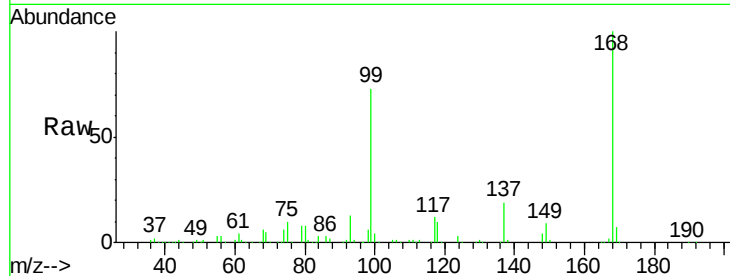




#37
 1,1-Dichloropropene
 Concen: 4.96 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027248.D
 Acq: 17 Sep 2015 11:59

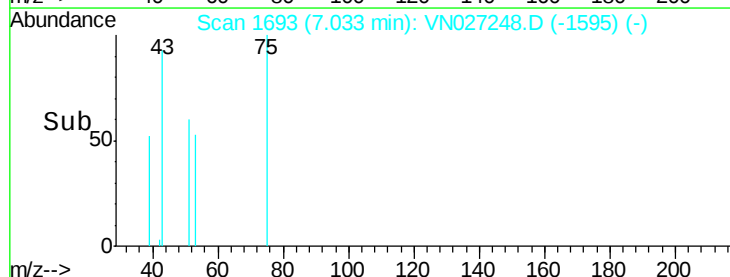
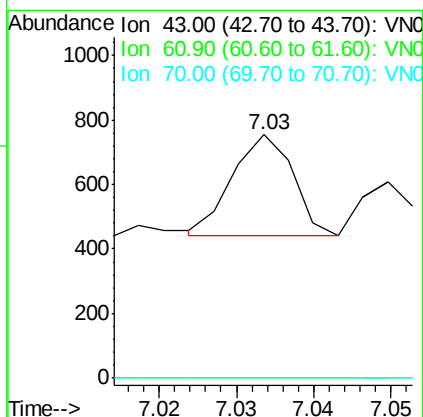
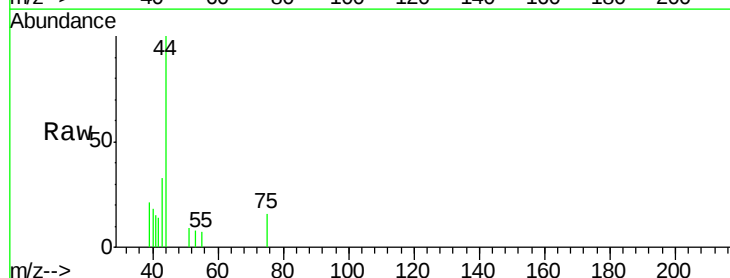
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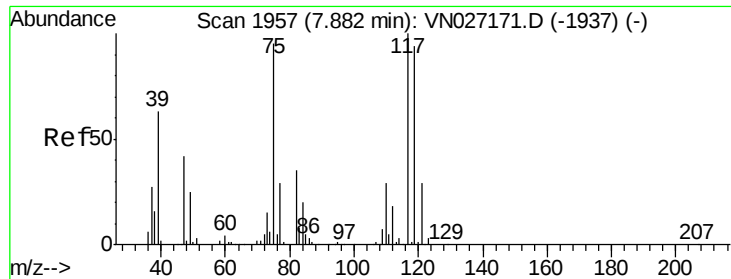
Tgt Ion: 75 Resp: 78579
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.9 47.7#
 77 0.0 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.03 min Scan# 1693
 Delta R.T. 0.02 min
 Lab File: VN027248.D
 Acq: 17 Sep 2015 11:59

Tgt Ion: 43 Resp: 172
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 7.4 11.0#

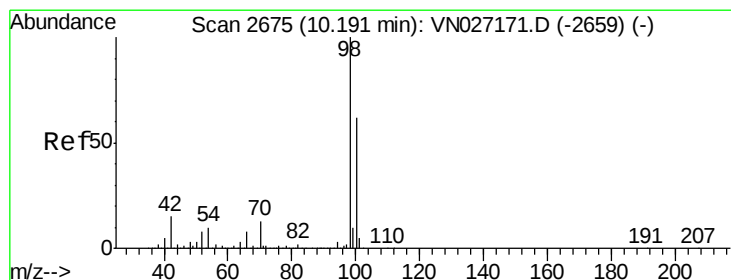
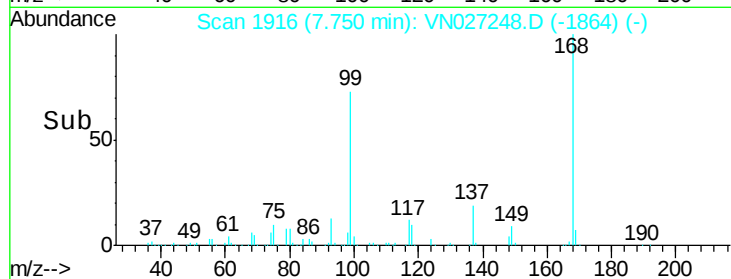
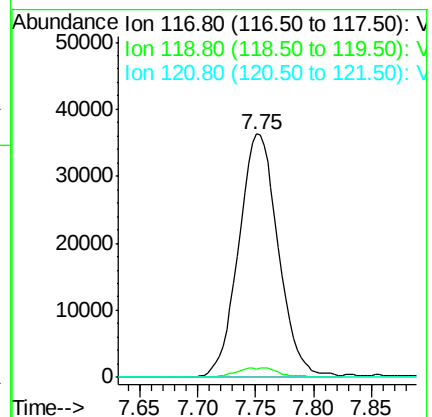
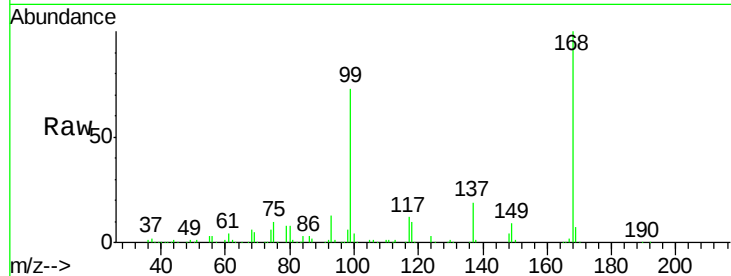




#39
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027248.D
Acq: 17 Sep 2015 11:59

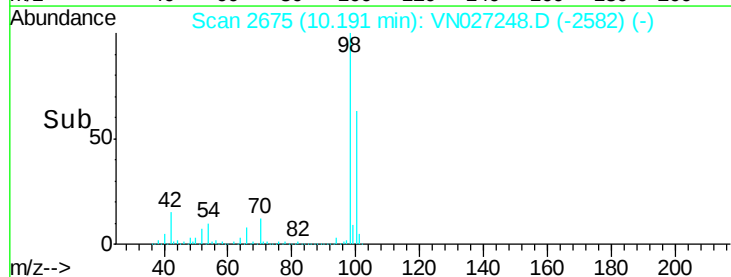
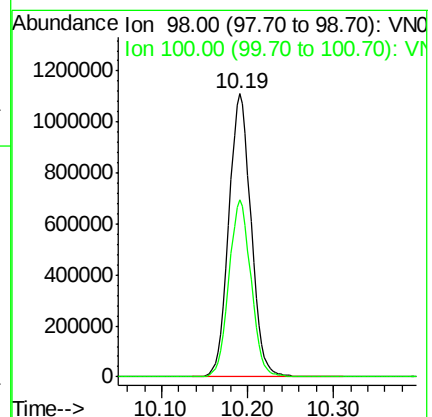
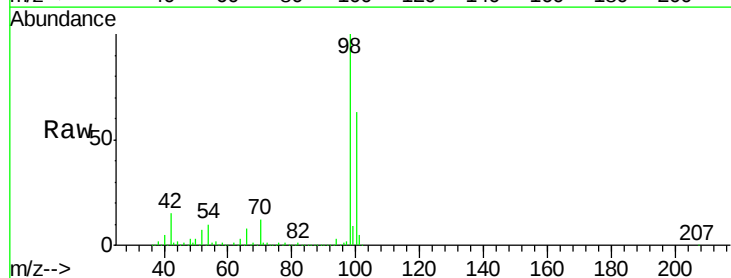
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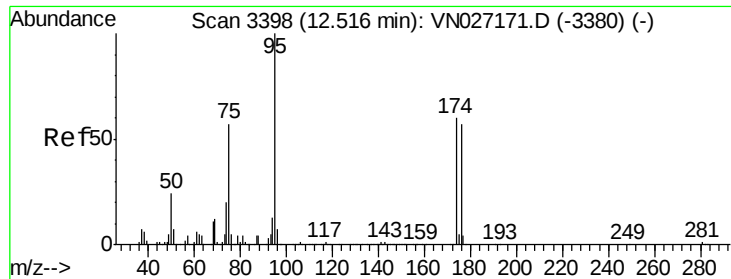
Tgt Ion:117 Resp: 86258
Ion Ratio Lower Upper
117 100
119 3.5 75.3 112.9#
121 0.0 23.8 35.8#



#51
Toluene-d8
Concen: 54.20 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027248.D
Acq: 17 Sep 2015 11:59

Tgt Ion: 98 Resp: 1992573
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7





#63

4-Bromofluorobenzene

Concen: 47.78 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

Instrument :

MSVOA_N

ClientSampled :

TRIPBLANK

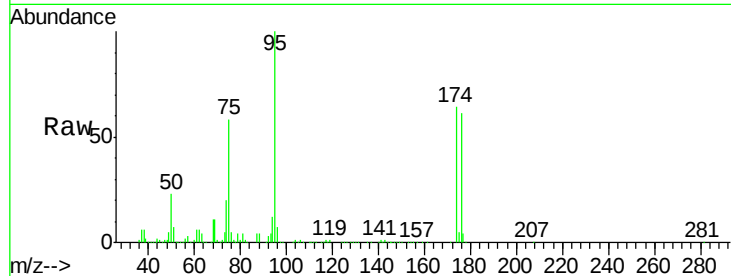
Tgt Ion: 95 Resp: 623423

Ion Ratio Lower Upper

95 100

174 63.1 0.0 137.0

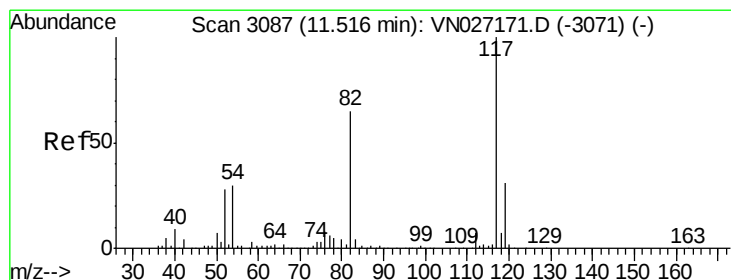
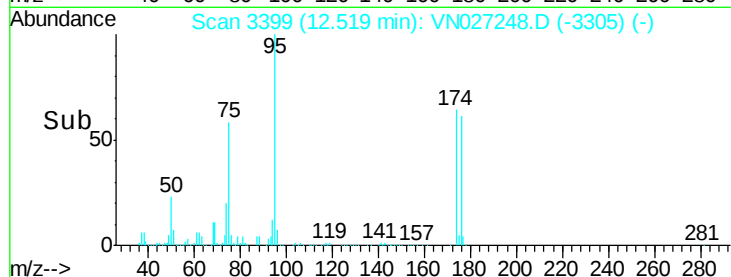
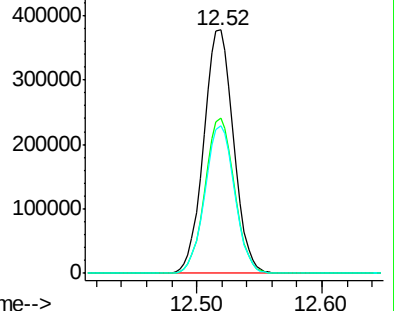
176 60.7 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN027171.D (-3380) (-)

Ion 173.80 (173.50 to 174.50): VN027171.D (-3380) (-)

Ion 175.80 (175.50 to 176.50): VN027171.D (-3380) (-)



#64

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

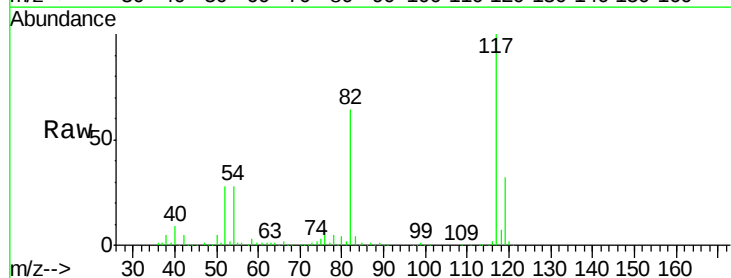
Tgt Ion: 117 Resp: 1114556

Ion Ratio Lower Upper

117 100

82 64.3 49.6 74.4

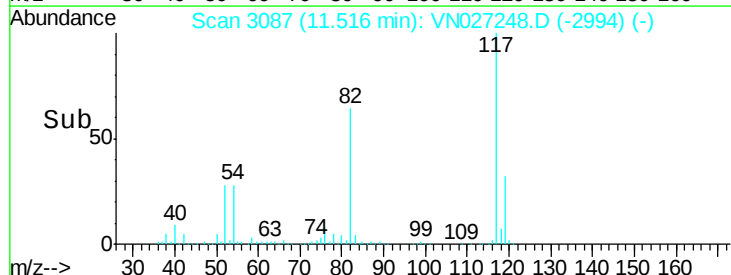
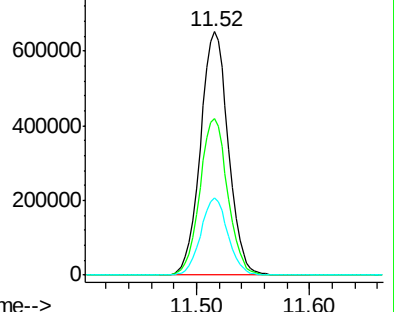
119 31.8 24.6 36.8

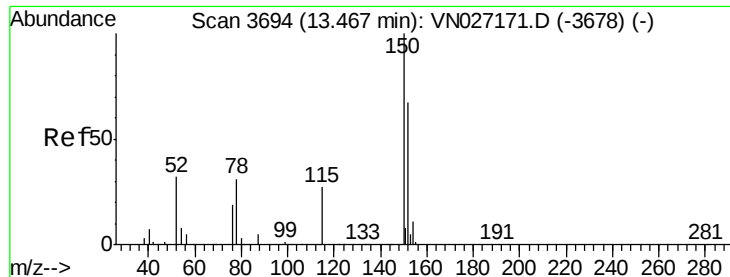


Abundance Ion 116.90 (116.60 to 117.60): VN027171.D (-3071) (-)

Ion 82.00 (81.70 to 82.70): VN027171.D (-3071) (-)

Ion 118.90 (118.60 to 119.60): VN027171.D (-3071) (-)





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

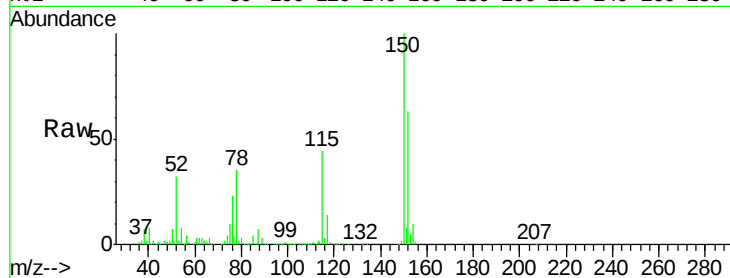
Tgt Ion:152 Resp: 366721

Ion Ratio Lower Upper

152 100

115 67.3 30.8 92.3

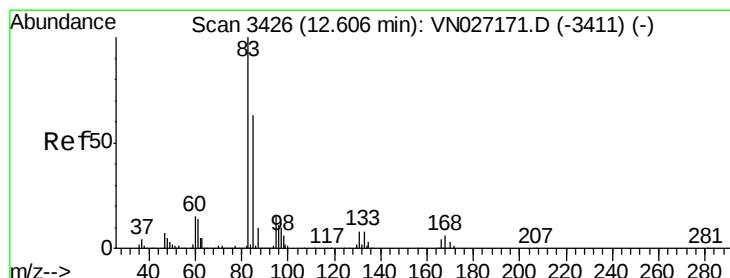
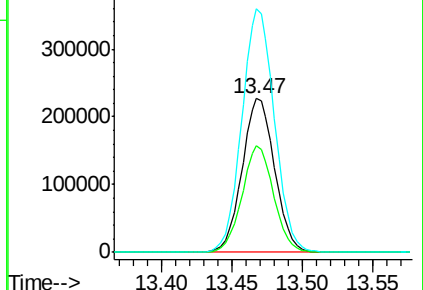
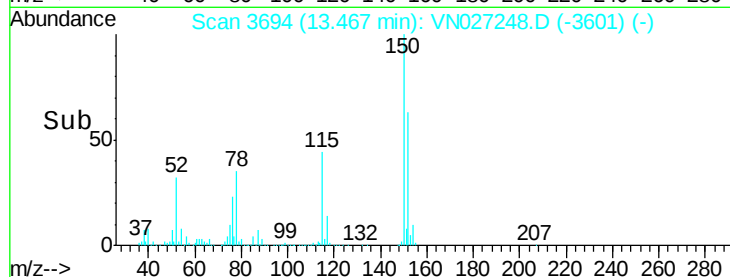
150 159.0 0.0 345.0



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



#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.55 min Scan# 3409

Delta R.T. -0.05 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

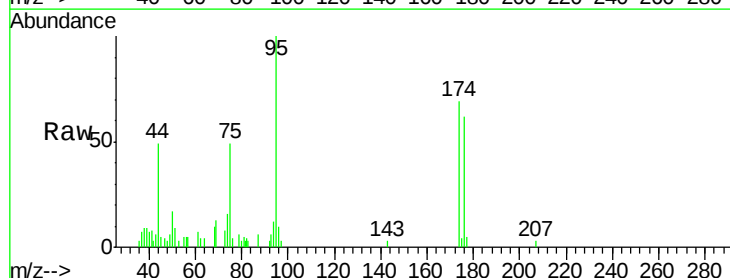
Tgt Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

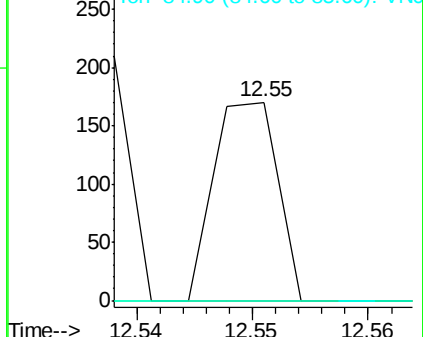
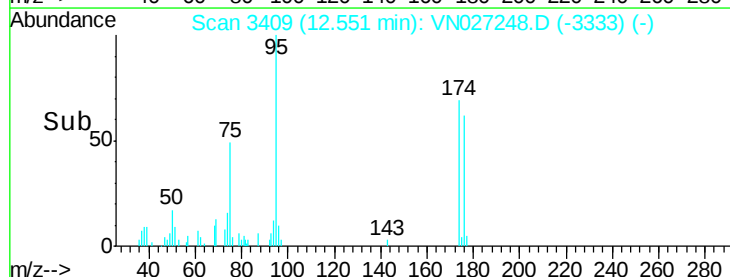
85 0.0 31.9 95.7#

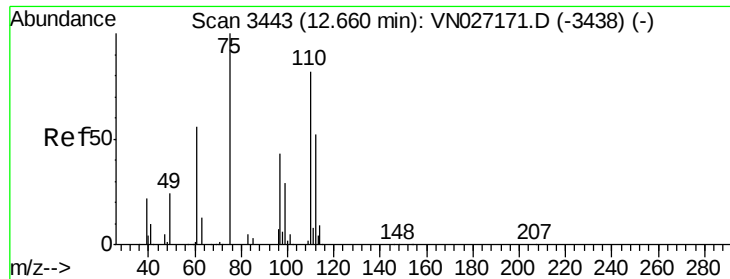


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 32.35 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

Instrument :

MSVOA_N

ClientSampleId :

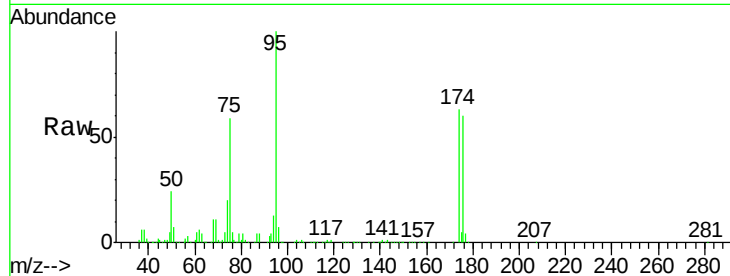
TRIPBLANK

Tgt Ion: 75 Resp: 358511

Ion Ratio Lower Upper

75 100

77 1.0 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.52

250000

200000

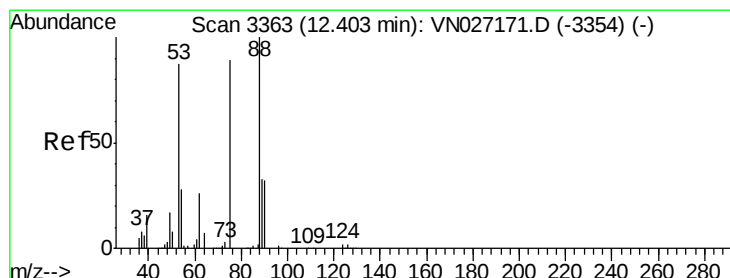
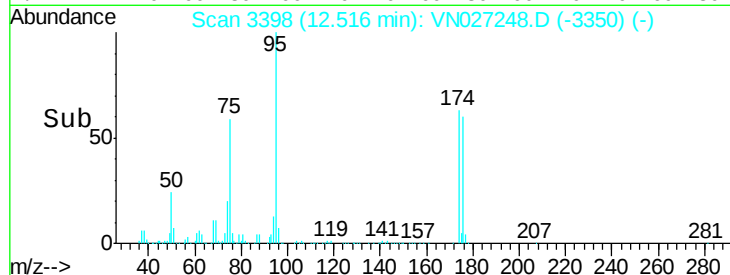
150000

100000

50000

0

Time-->



#82

trans-1,4-Dichloro-2-butene

Concen: 79.45 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

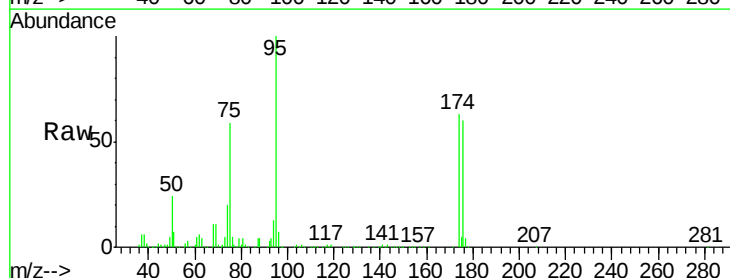
Tgt Ion: 75 Resp: 358511

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

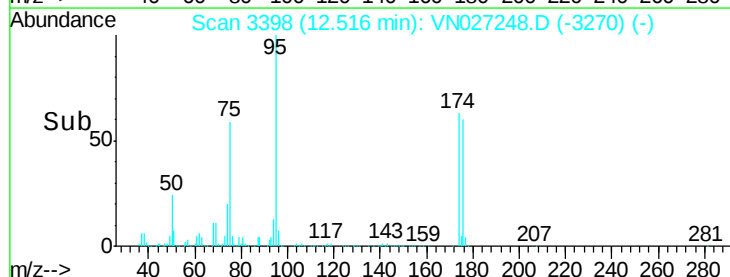
150000

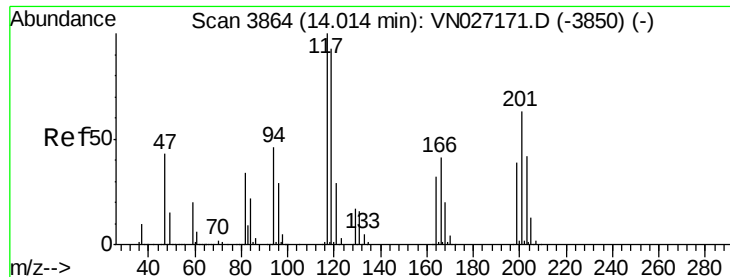
100000

50000

0

Time-->





#91

Hexachloroethane

Concen: 0.25 ug/l

RT: 13.76 min Scan# 3785

Delta R.T. -0.25 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

Instrument :

MSVOA_N

ClientSampled :

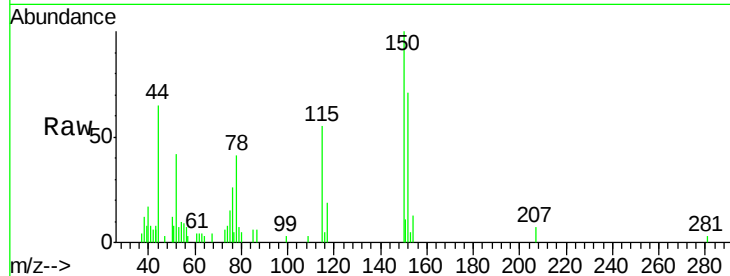
TRIPBLANK

Tgt Ion:117 Resp: 1661

Ion Ratio Lower Upper

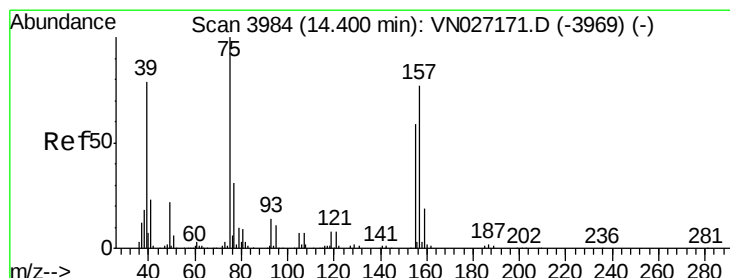
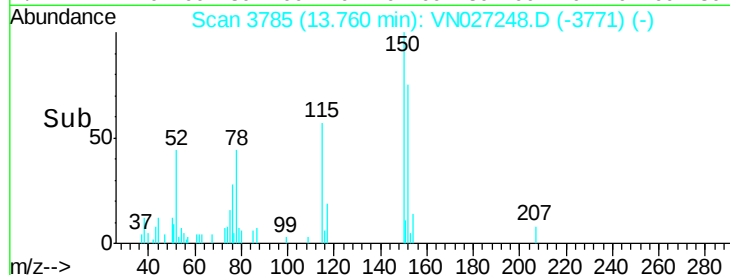
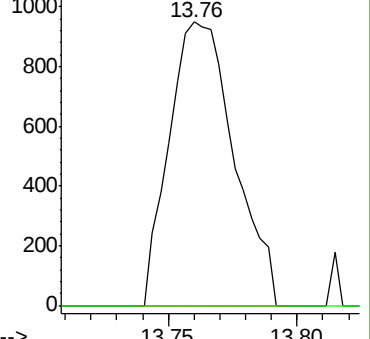
117 100

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



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.40 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VN027248.D

Acq: 17 Sep 2015 11:59

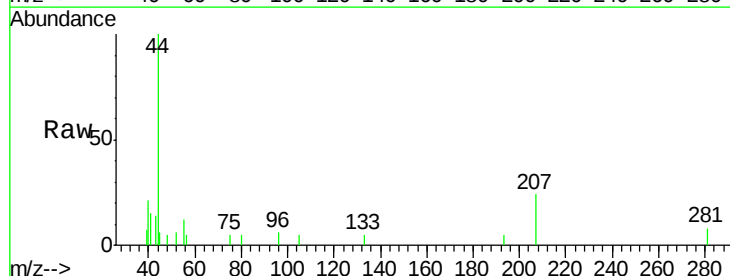
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

157 0.0 44.6 133.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

