

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027275.D
 Acq On : 18 Sep 2015 1:20
 Operator : MD\FY
 Sample : G3708-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-91615

Quant Time: Sep 18 06:43:57 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	719551	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1289143	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1090601	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	371014	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	720943	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
36) Dibromofluoromethane	7.68	113	460872	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
51) Toluene-d8	10.19	98	1894965	54.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.32%	
63) 4-Bromofluorobenzene	12.52	95	623864	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	

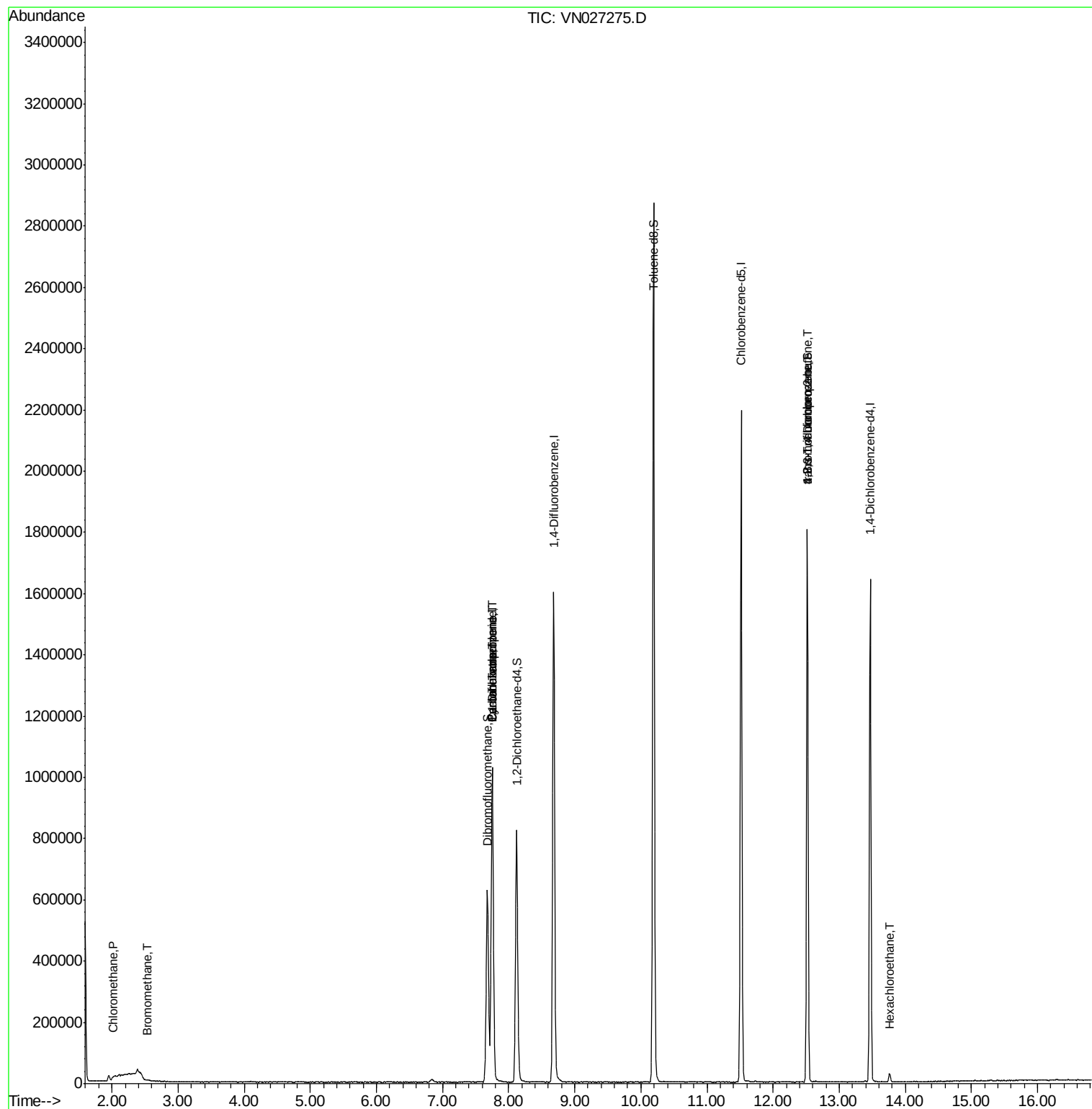
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	2079	1.32	ug/l #	54
6) Bromomethane	2.54	94	298	1.66	ug/l #	64
32) Cyclohexane	7.75	56	22801	0.21	ug/l #	1
37) 1,1-Dichloropropene	7.75	75	76019	5.04	ug/l #	50
38) Ethyl Acetate	7.04	43	150	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	82426	5.81	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.62	83	79	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	357558	31.89	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	357558	78.33	ug/l #	4
91) Hexachloroethane	13.76	117	1512	0.23	ug/l #	15
93) 1,2-Dibromo-3-Chloropropan	14.44	75	69	Below Cal	#	9

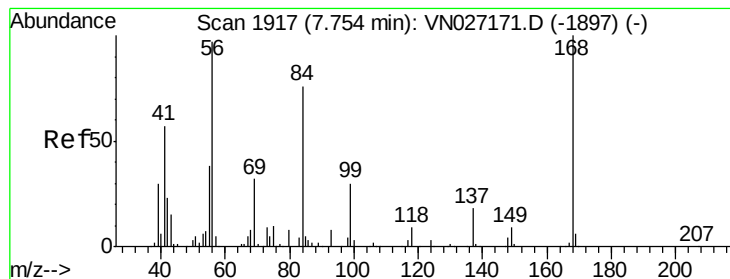
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

Instrument :

MSVOA_N

ClientSampled :

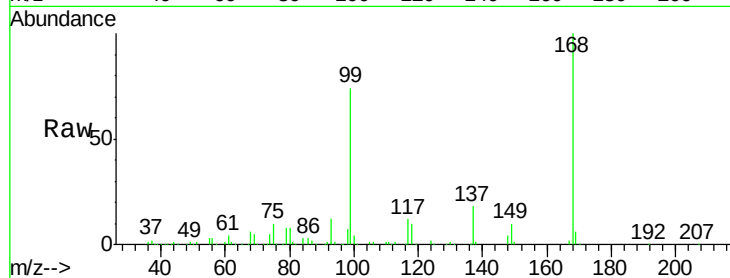
FB-91615

Tgt Ion:168 Resp: 719551

Ion Ratio Lower Upper

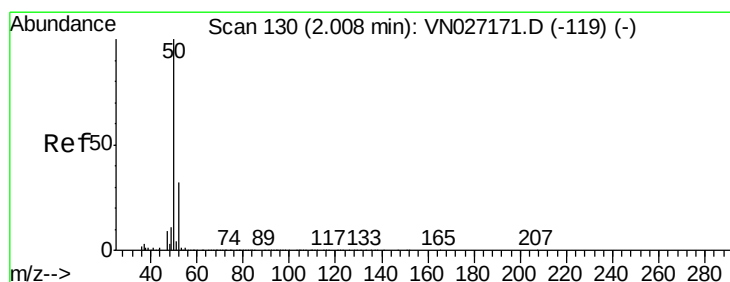
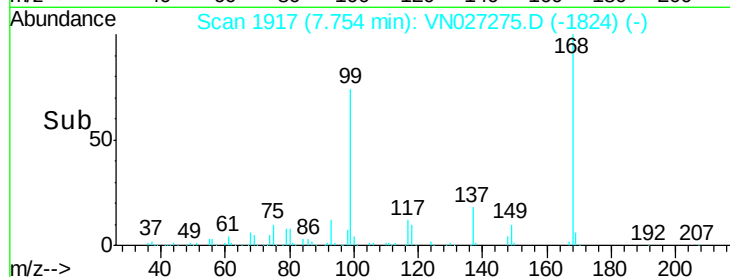
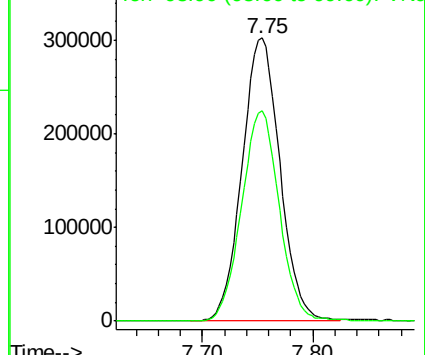
168 100

99 74.3 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Chloromethane

Concen: 1.32 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027275.D

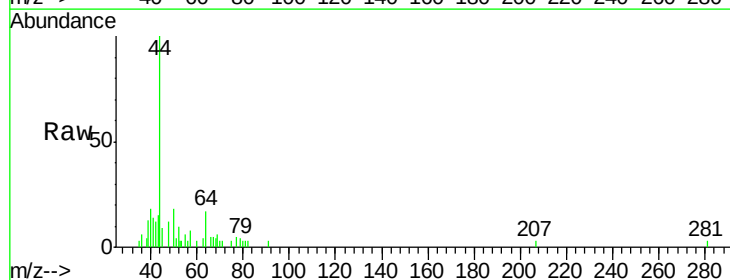
Acq: 18 Sep 2015 1:20

Tgt Ion: 50 Resp: 2079

Ion Ratio Lower Upper

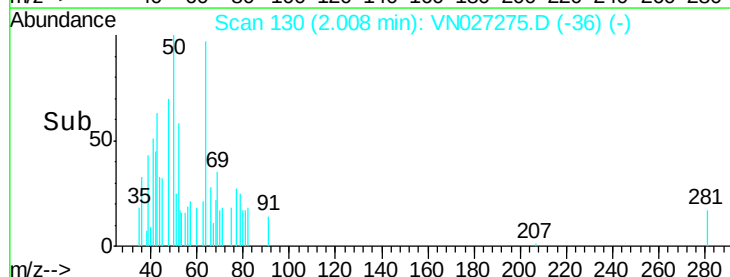
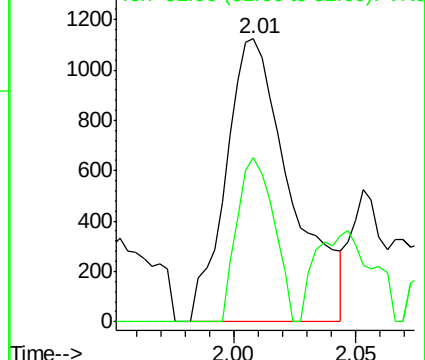
50 100

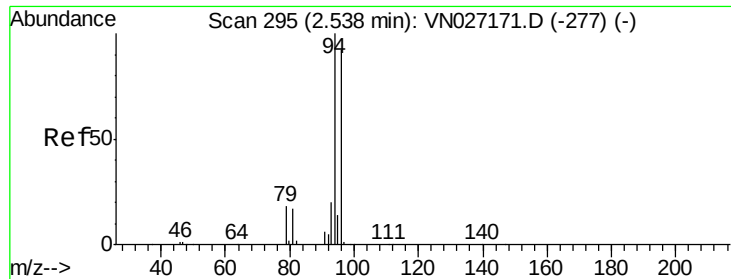
52 58.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#6

Bromomethane

Concen: 1.66 ug/l

RT: 2.54 min Scan# 294

Delta R.T. -0.00 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

Instrument :

MSVOA_N

ClientSampleId :

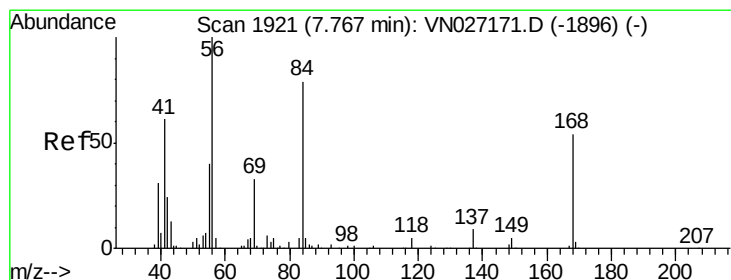
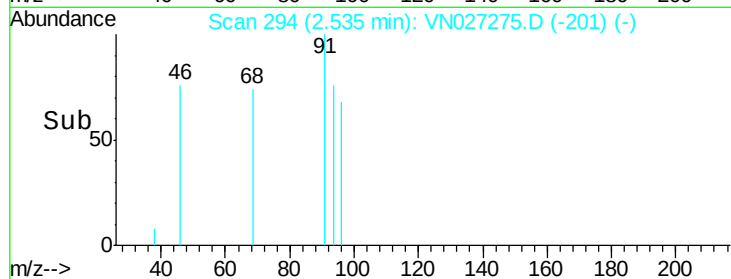
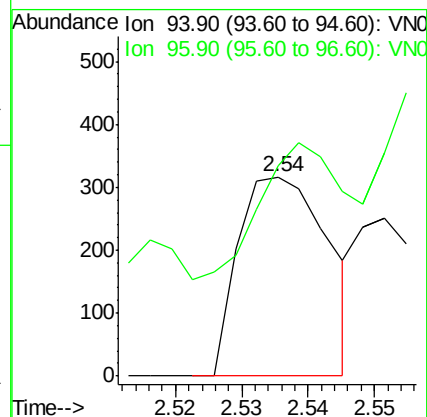
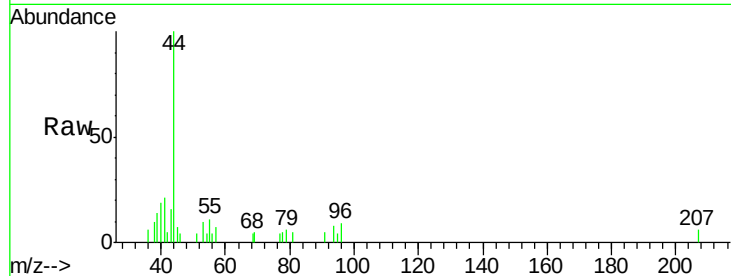
FB-91615

Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 57.4 73.4 110.2#



#32

Cyclohexane

Concen: 0.21 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

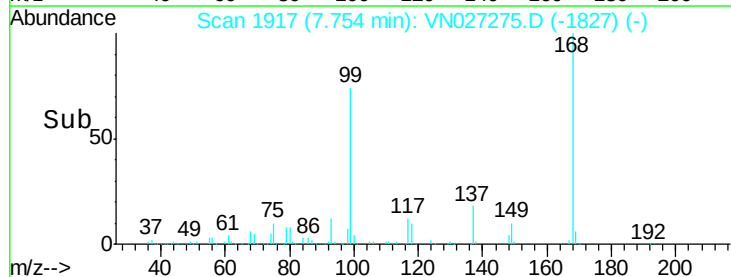
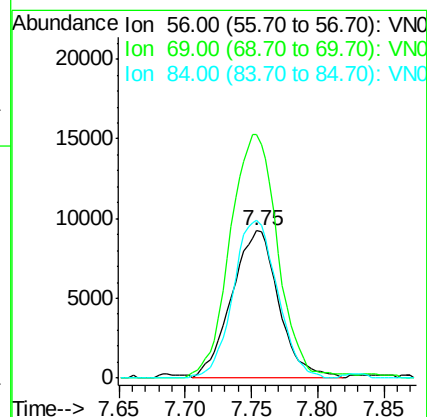
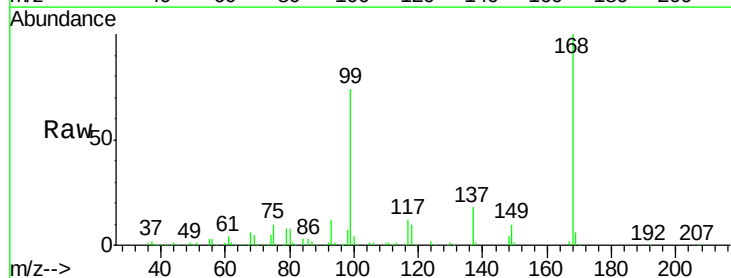
Tgt Ion: 56 Resp: 22801

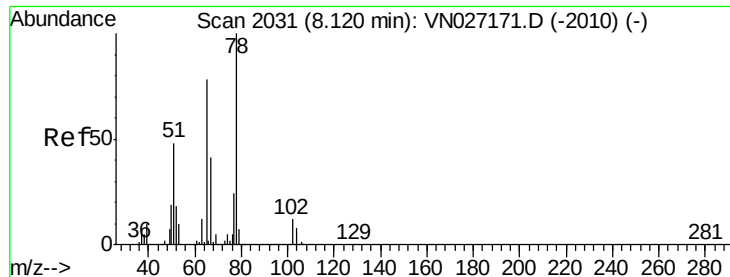
Ion Ratio Lower Upper

56 100

69 162.5 23.0 34.4#

84 105.4 57.8 86.8#

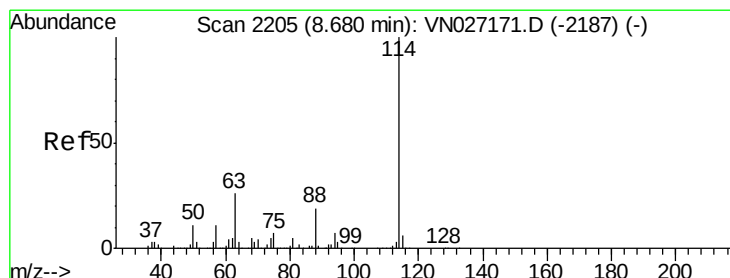
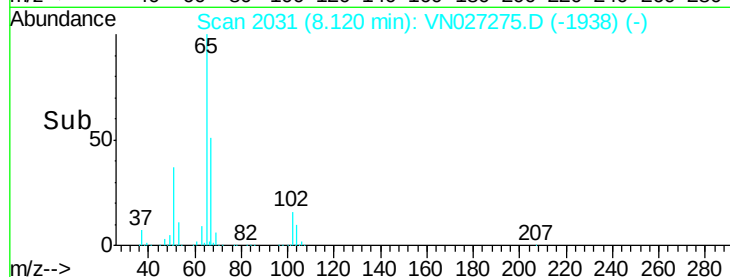
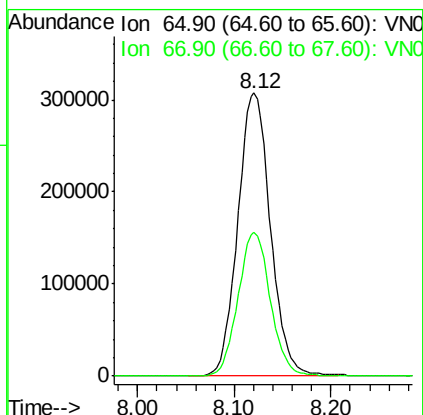
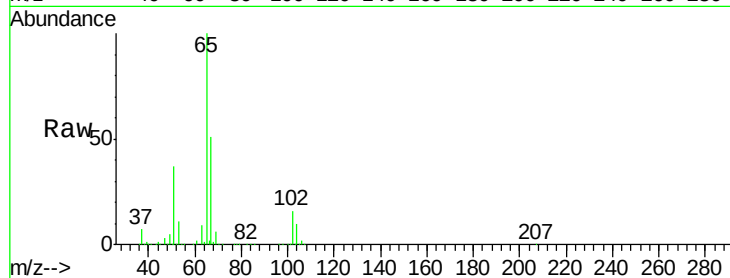




#34
 1,2-Dichloroethane-d4
 Concen: 48.90 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027275.D
 Acq: 18 Sep 2015 1:20

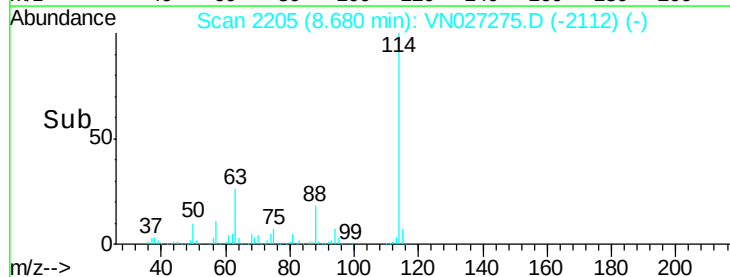
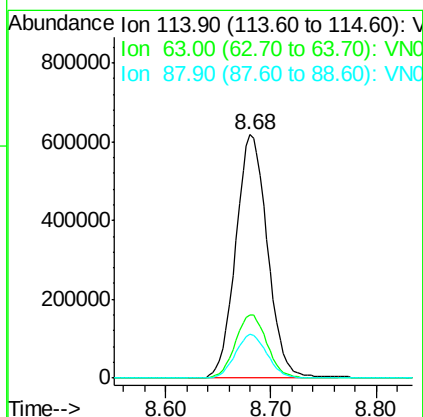
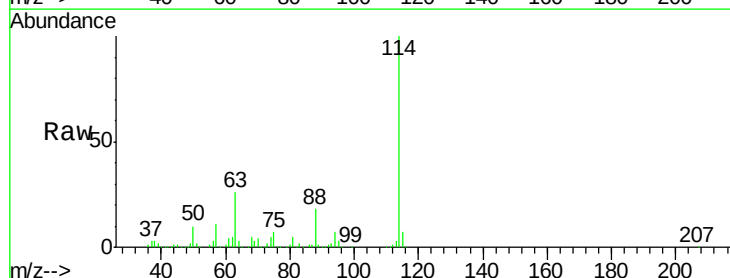
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-91615

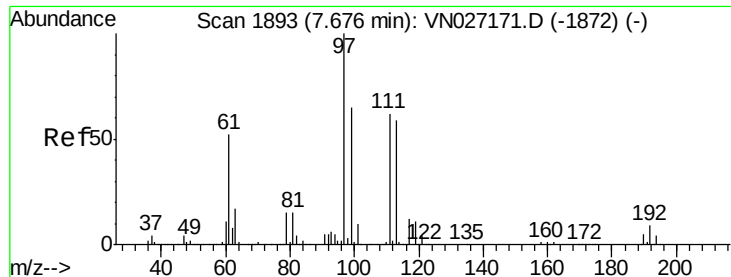
Tgt Ion: 65 Resp: 720943
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 110.6



#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027275.D
 Acq: 18 Sep 2015 1:20

Tgt Ion: 114 Resp: 1289143
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 48.8
 88 18.0 0.0 32.2

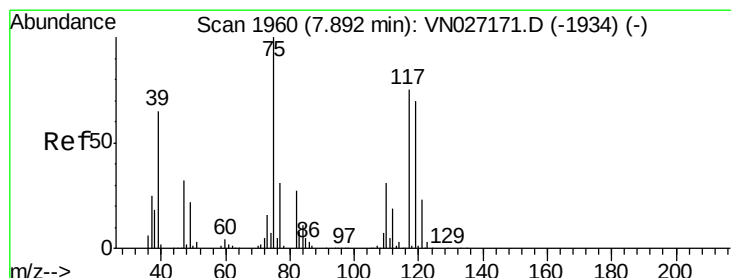
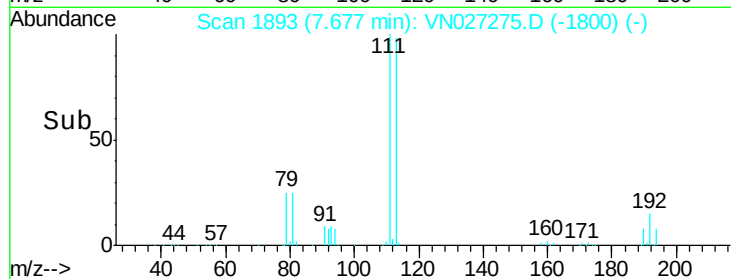
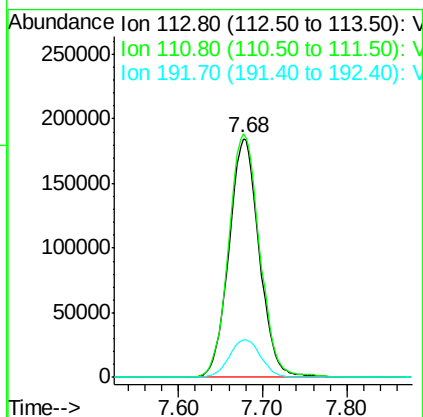
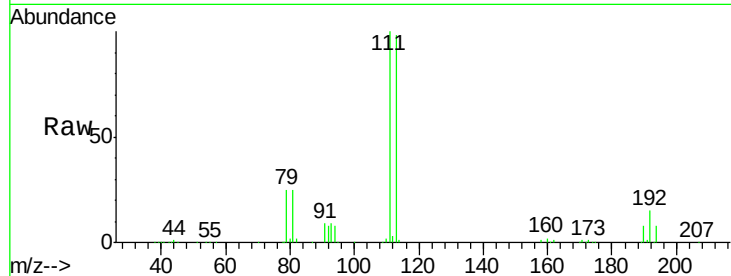




#36
 Dibromofluoromethane
 Concen: 51.57 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027275.D
 Acq: 18 Sep 2015 1:20

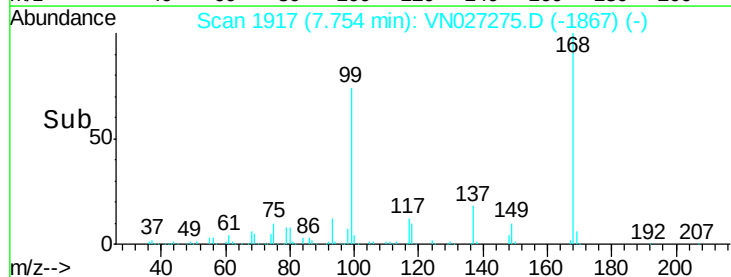
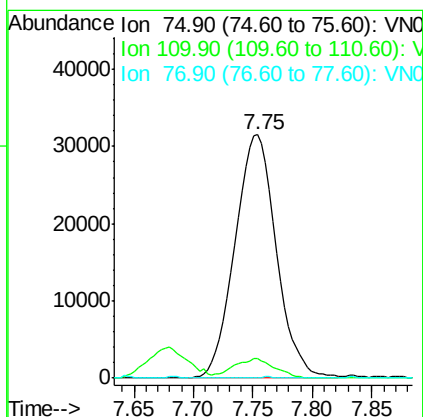
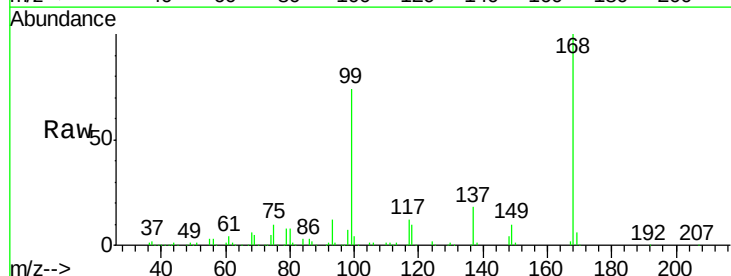
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-91615

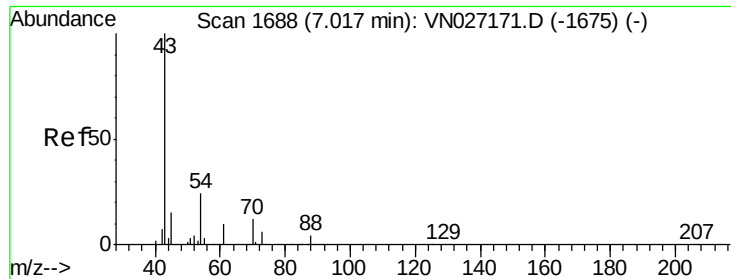
Tgt Ion: 113 Resp: 460872
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.0 124.4
 192 16.5 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 5.04 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.14 min
 Lab File: VN027275.D
 Acq: 18 Sep 2015 1:20

Tgt Ion: 75 Resp: 76019
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.9 47.7#
 77 0.1 24.9 37.3#

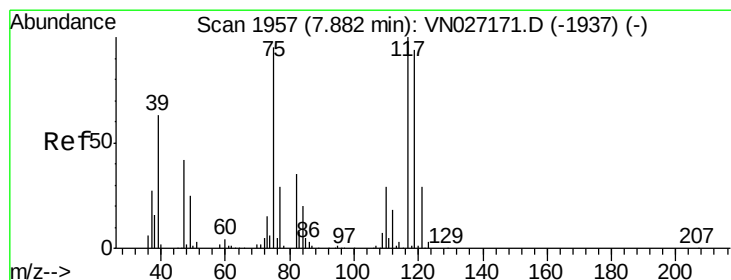
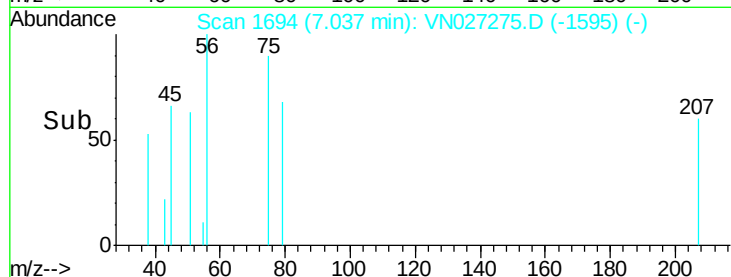
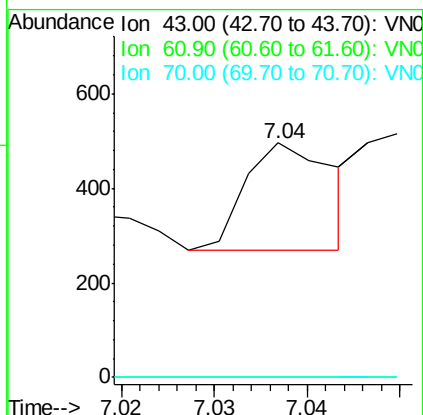
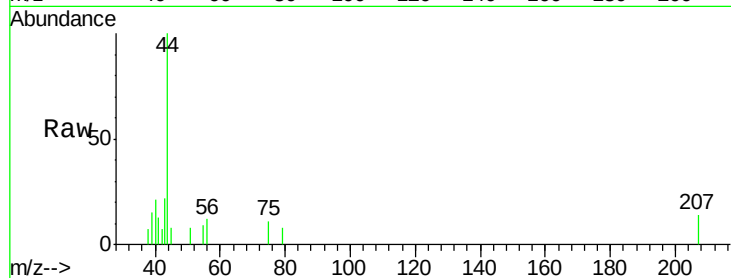




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.04 min Scan# 1694
Delta R.T. 0.02 min
Lab File: VN027275.D
Acq: 18 Sep 2015 1:20

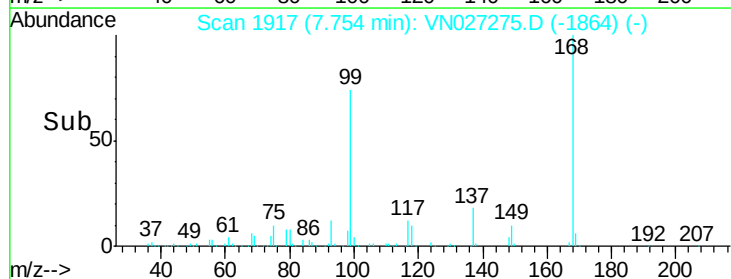
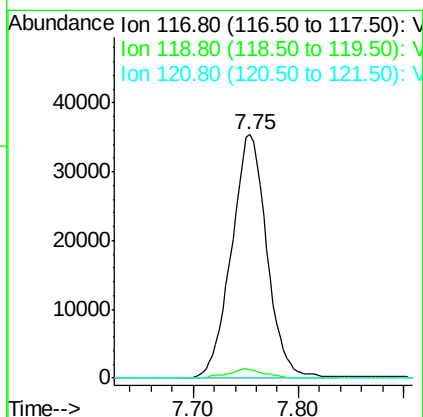
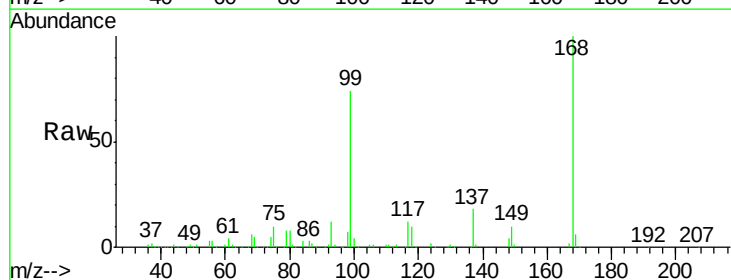
Instrument :
MSVOA_N
ClientSampleId :
FB-91615

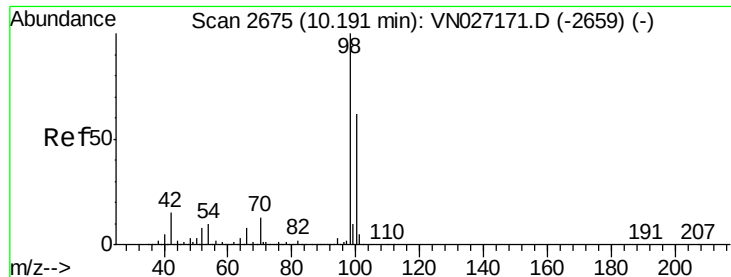
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.81 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.13 min
Lab File: VN027275.D
Acq: 18 Sep 2015 1:20

Tgt Ion: 117 Resp: 82426
Ion Ratio Lower Upper
117 100
119 3.6 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 54.16 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

Instrument :

MSVOA_N

ClientSampled :

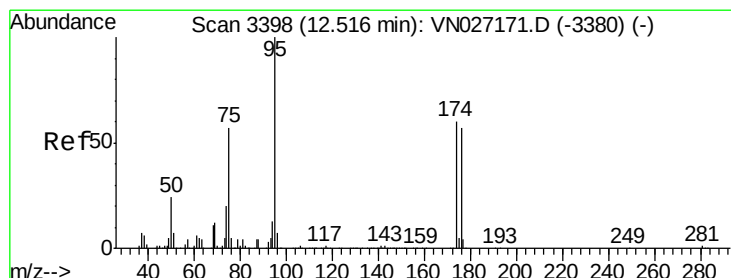
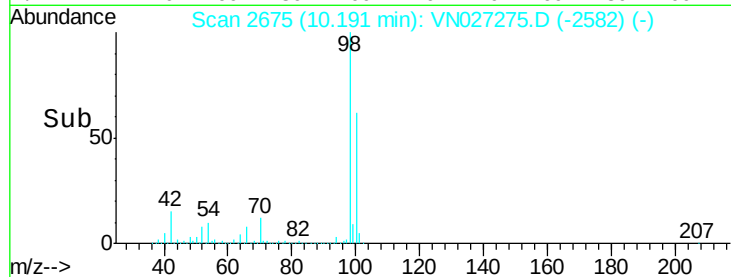
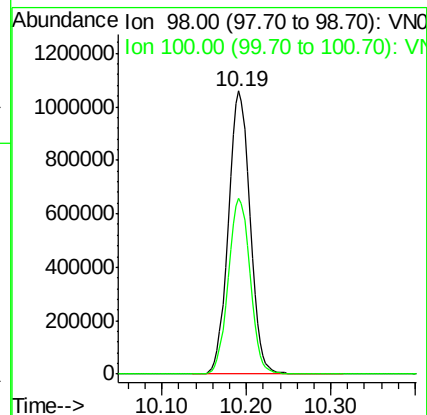
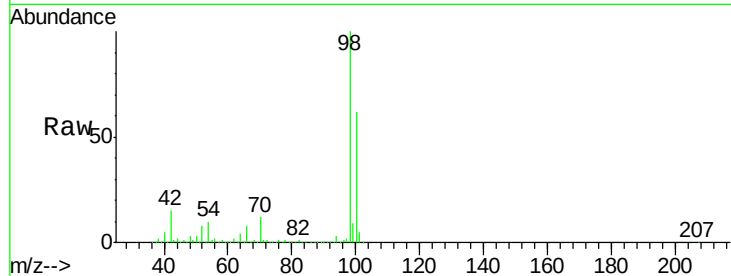
FB-91615

Tgt Ion: 98 Resp: 1894965

Ion Ratio Lower Upper

98 100

100 62.6 50.5 75.7



#63

4-Bromofluorobenzene

Concen: 50.24 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

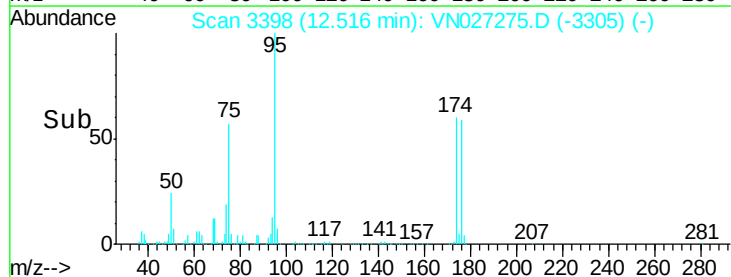
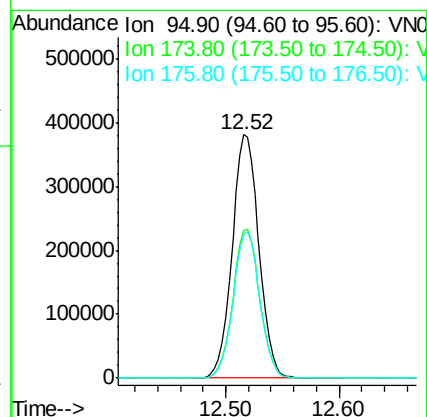
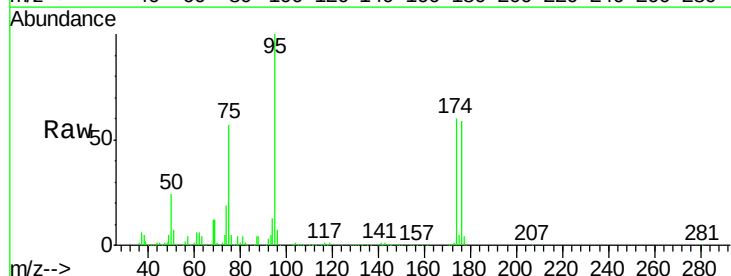
Tgt Ion: 95 Resp: 623864

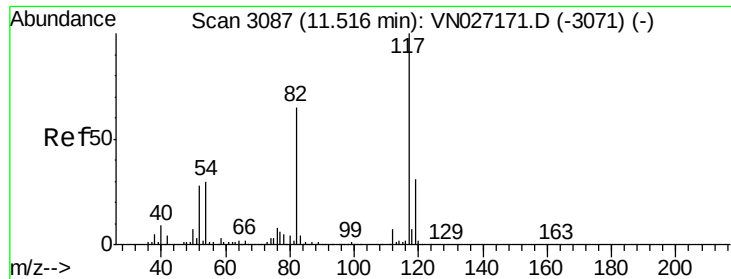
Ion Ratio Lower Upper

95 100

174 61.4 0.0 137.0

176 60.0 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: VN027275.D

Acq: 18 Sep 2015 1:20

Instrument :

MSVOA_N

ClientSampleId :

FB-91615

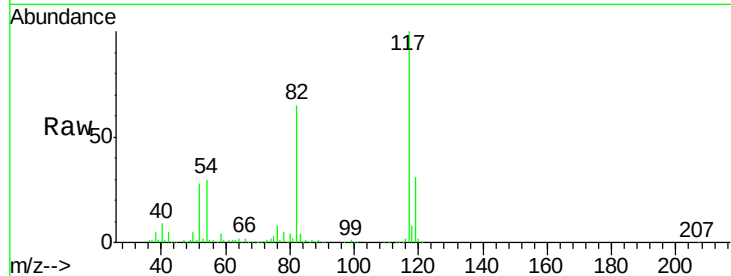
Tgt Ion:117 Resp: 1090601

Ion Ratio Lower Upper

117 100

82 65.2 49.6 74.4

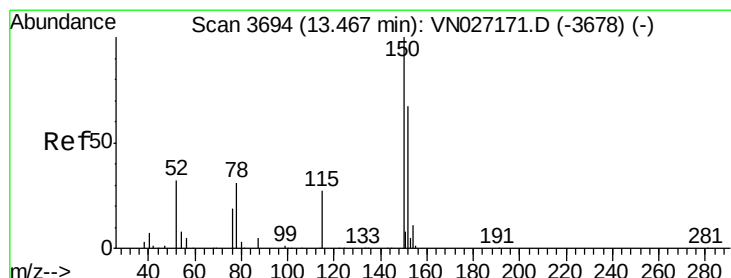
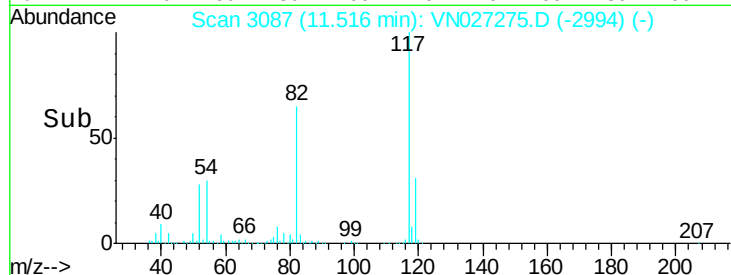
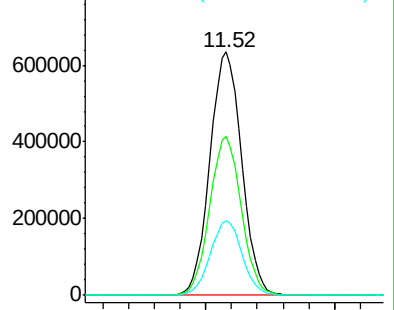
119 30.6 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN027275.D

Acq: 18 Sep 2015 1:20

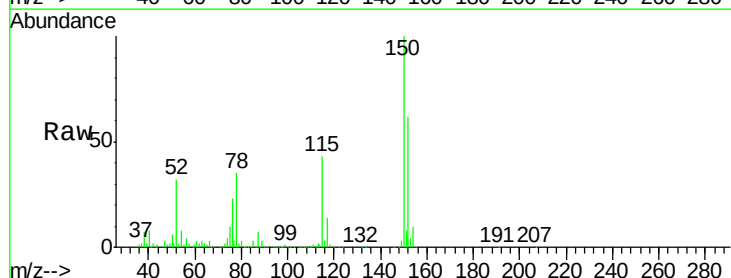
Tgt Ion:152 Resp: 371014

Ion Ratio Lower Upper

152 100

115 67.9 30.8 92.3

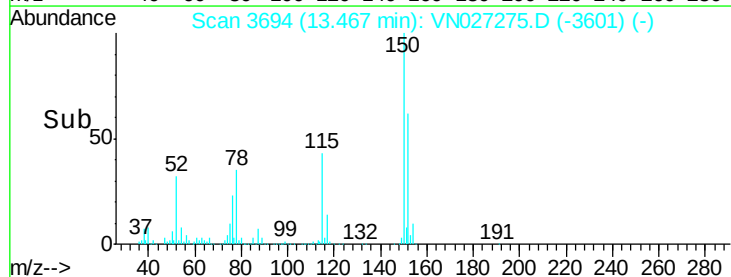
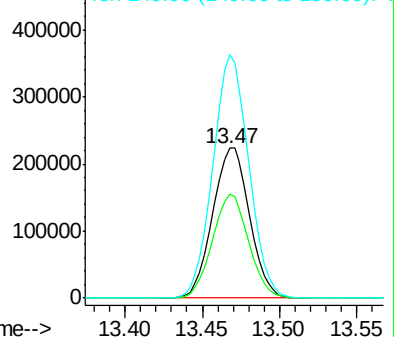
150 158.2 0.0 345.0

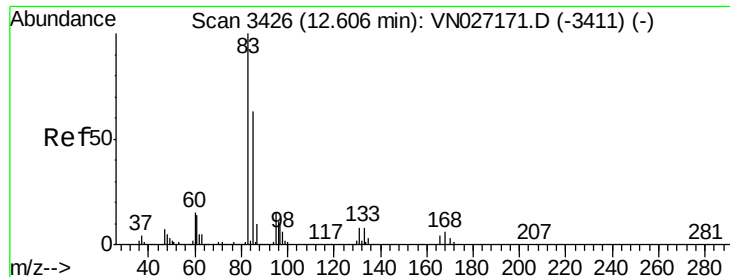


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.62 min Scan# 3431

Delta R.T. 0.02 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

Instrument :

MSVOA_N

ClientSampled :

FB-91615

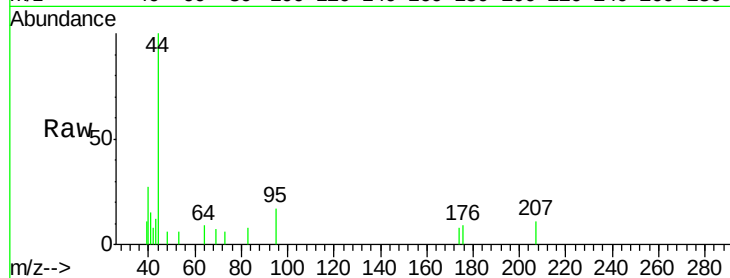
Tgt Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

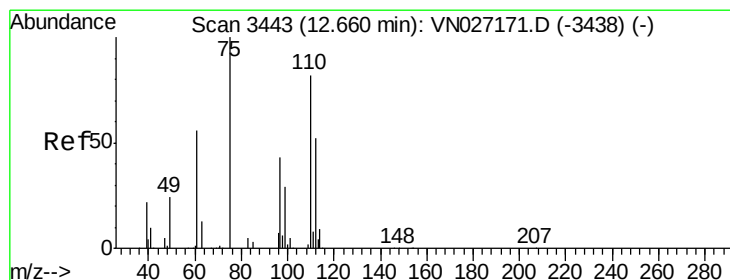
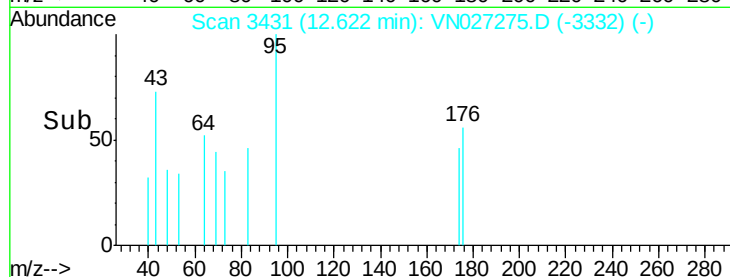
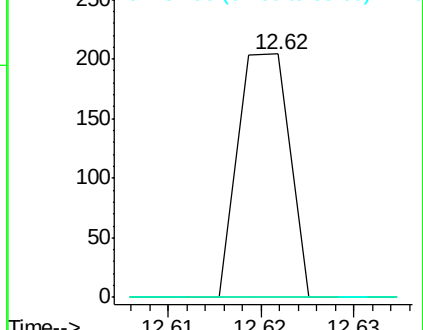
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#77

1,2,3-Trichloropropane

Concen: 31.89 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027275.D

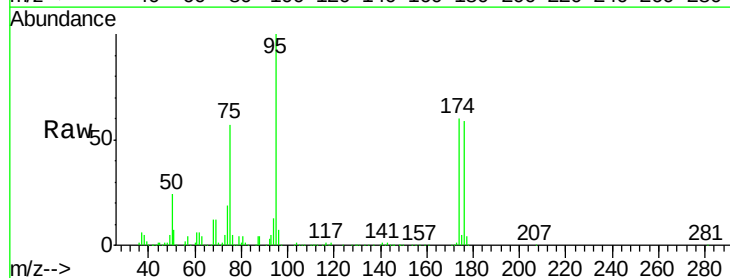
Acq: 18 Sep 2015 1:20

Tgt Ion: 75 Resp: 357558

Ion Ratio Lower Upper

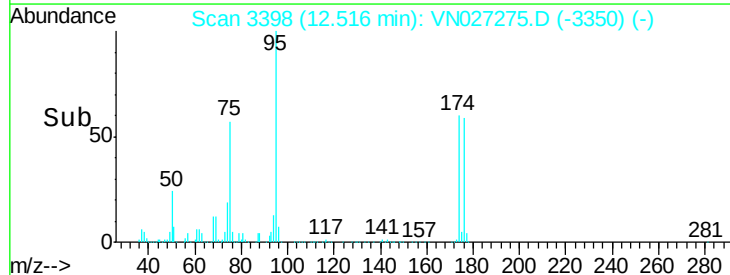
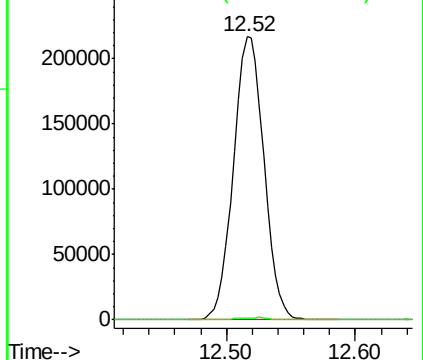
75 100

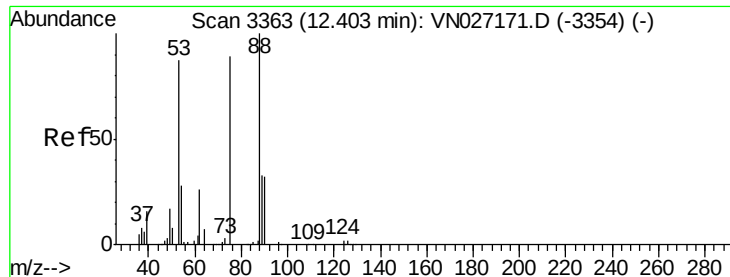
77 0.5 103.1 309.3#



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: 78.33 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

Instrument :

MSVOA_N

ClientSampled :

FB-91615

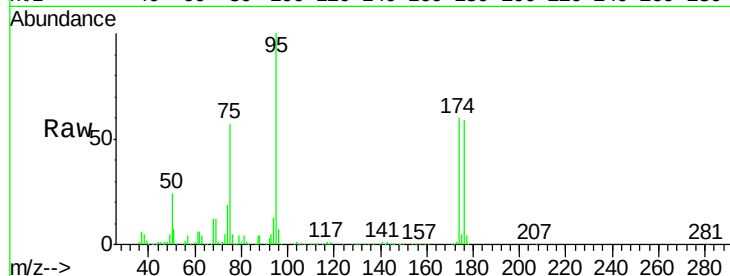
Tgt Ion: 75 Resp: 357558

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

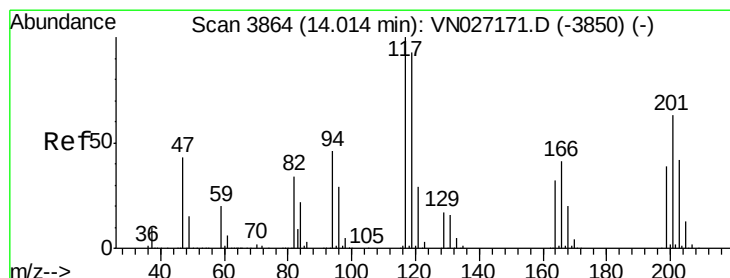
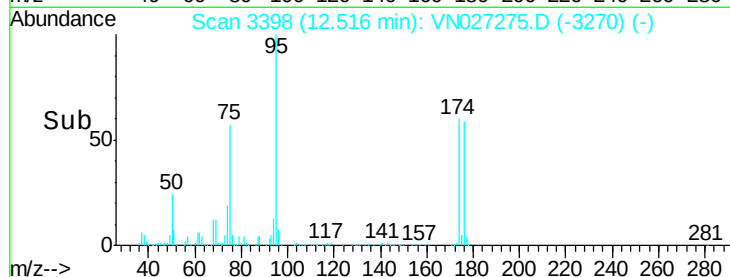
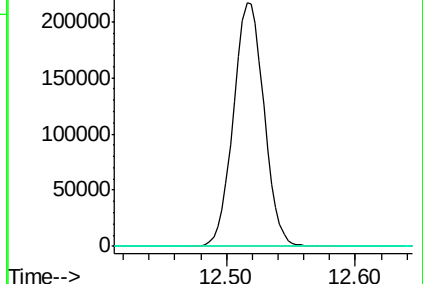
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN027275.D (-3354) (-)

Ion 53.00 (52.70 to 53.70): VN027275.D (-3354) (-)

Ion 88.90 (88.60 to 89.60): VN027275.D (-3354) (-)



#91

Hexachloroethane

Concen: 0.23 ug/l

RT: 13.76 min Scan# 3786

Delta R.T. -0.25 min

Lab File: VN027275.D

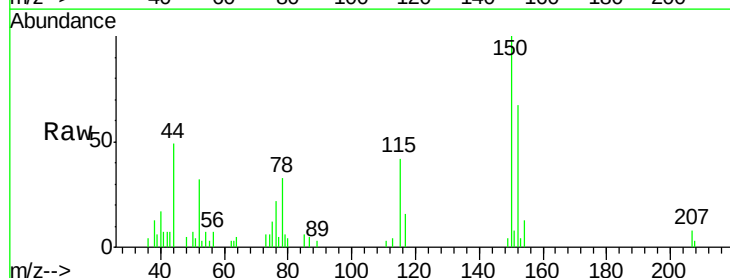
Acq: 18 Sep 2015 1:20

Tgt Ion: 117 Resp: 1512

Ion Ratio Lower Upper

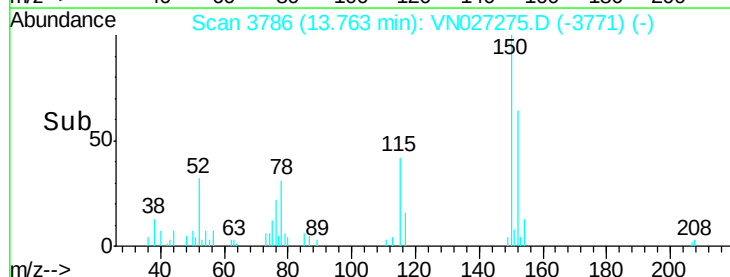
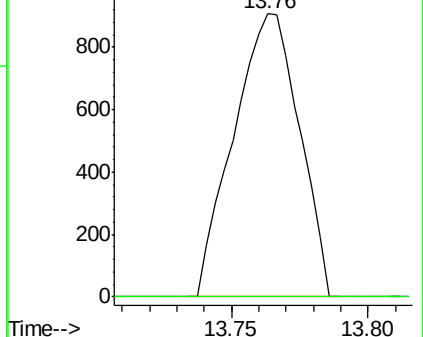
117 100

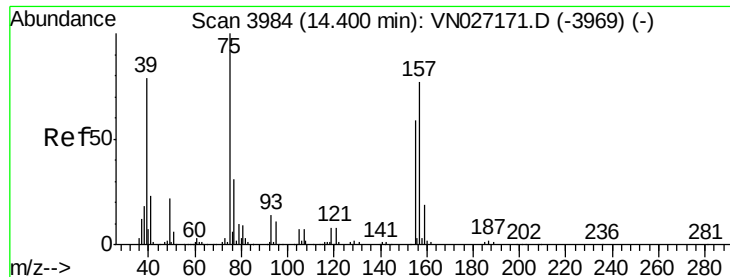
201 0.0 34.9 104.7#



Abundance Ion 116.80 (116.50 to 117.50): VN027275.D (-3850) (-)

Ion 200.70 (200.40 to 201.40): VN027275.D (-3850) (-)





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.44 min Scan# 3996

Delta R.T. 0.04 min

Lab File: VN027275.D

Acq: 18 Sep 2015 1:20

Instrument :

MSVOA_N

ClientSampleId :

FB-91615

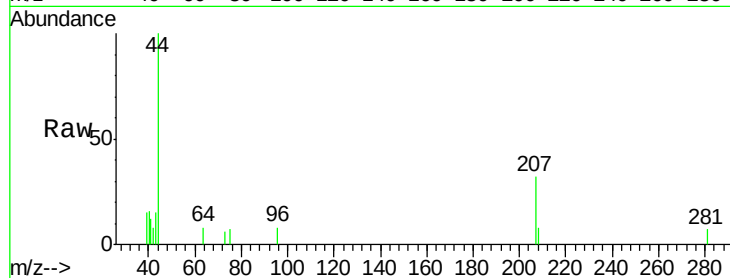
Tgt Ion: 75 Resp: 69

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): VN027275.D (-3890) (-)

Ion 154.80 (154.50 to 155.50): VN027275.D (-3890) (-)

Ion 156.80 (156.50 to 157.50): VN027275.D (-3890) (-)

