

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027276.D
 Acq On : 18 Sep 2015 1:47
 Operator : MD\FY
 Sample : G3708-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-91515

Quant Time: Sep 18 06:44:11 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	764529	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1371868	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1162510	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	399345	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	761412	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
36) Dibromofluoromethane	7.68	113	492029	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
51) Toluene-d8	10.19	98	2006772	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	
63) 4-Bromofluorobenzene	12.52	95	671963	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	

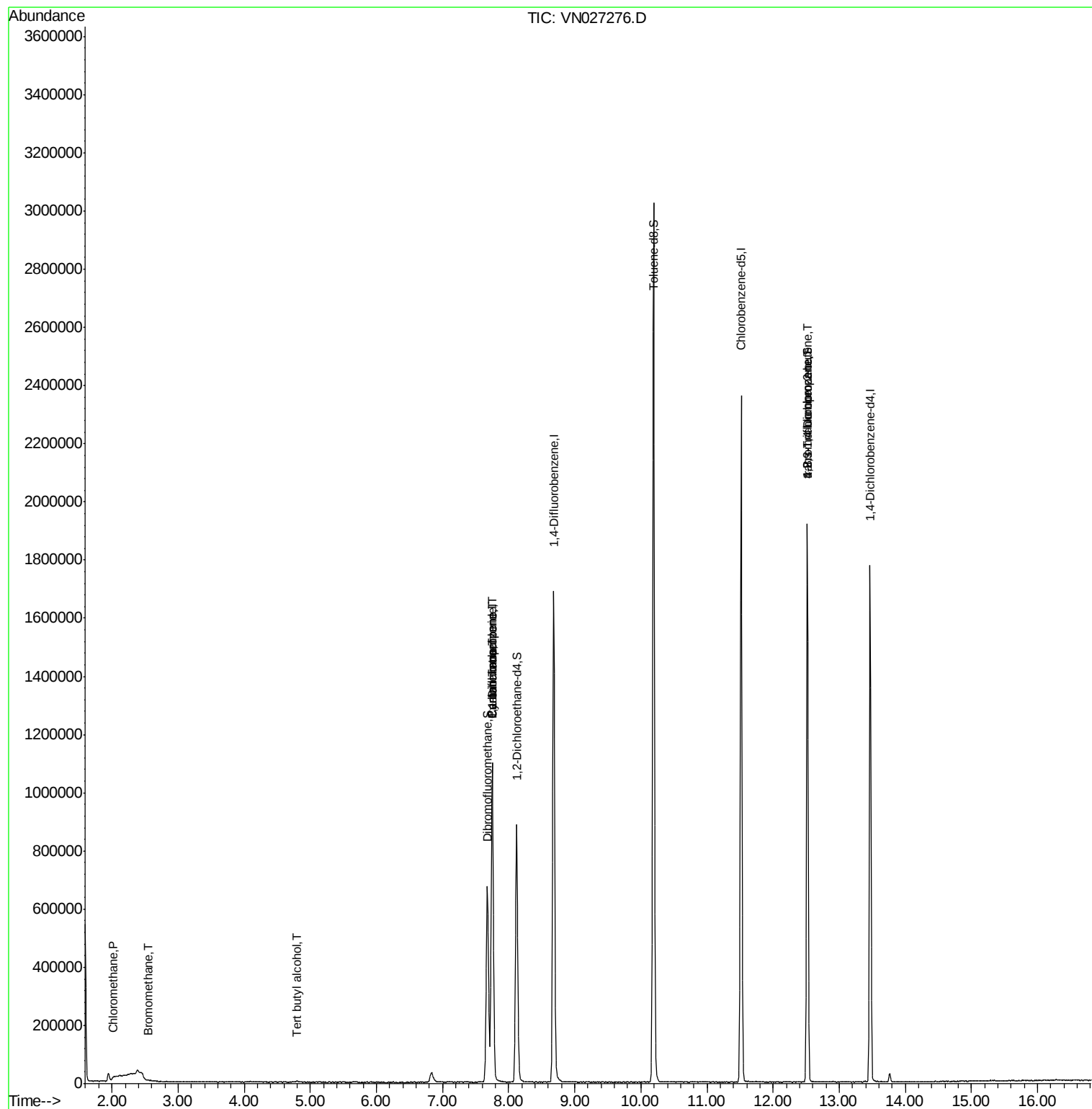
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1514	1.25	ug/l #	77
6) Bromomethane	2.54	94	198	1.64	ug/l #	61
12) Tert butyl alcohol	4.81	59	1028	0.67	ug/l #	74
32) Cyclohexane	7.75	56	24288	0.21	ug/l #	4
37) 1,1-Dichloropropene	7.75	75	79269	4.94	ug/l #	51
38) Ethyl Acetate	7.02	43	230	Below Cal	#	59
39) Carbon Tetrachloride	7.75	117	89228	5.91	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.68	83	66	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	378225	31.34	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	378225	76.98	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.49	75	60	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: VN027276.D

Acq: 18 Sep 2015 1:47

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MSVOA_N

ClientSampleId :

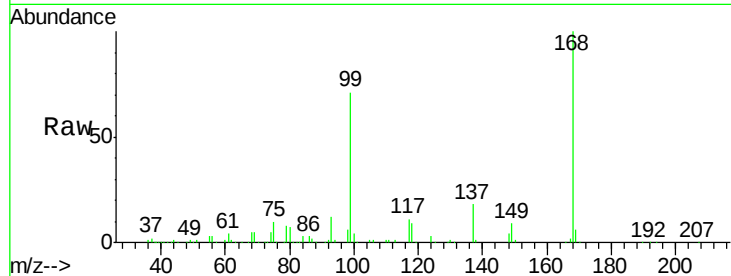
TB-91515

Tgt Ion:168 Resp: 764529

Ion Ratio Lower Upper

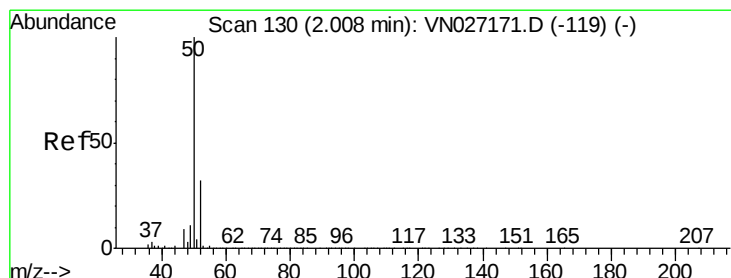
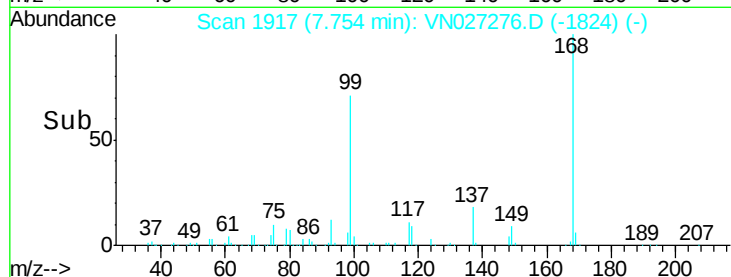
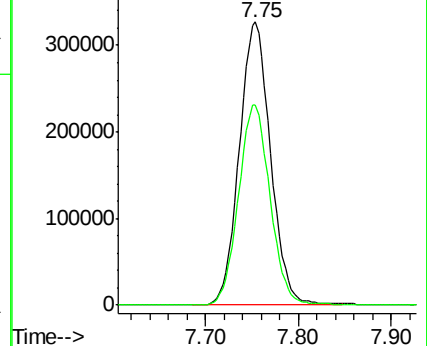
168 100

99 70.9 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: 1.25 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027276.D

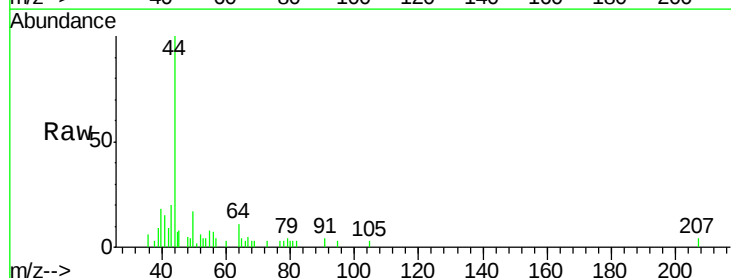
Acq: 18 Sep 2015 1:47

Tgt Ion: 50 Resp: 1514

Ion Ratio Lower Upper

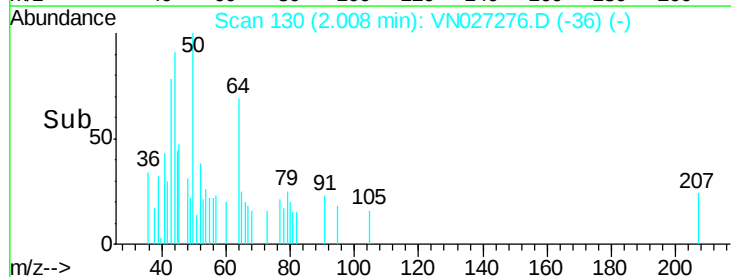
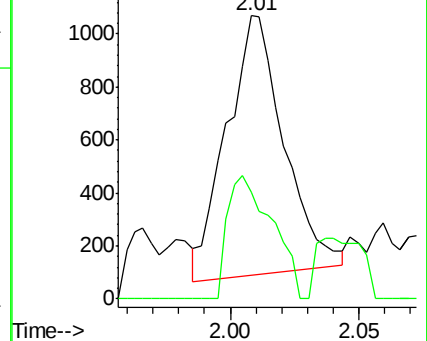
50 100

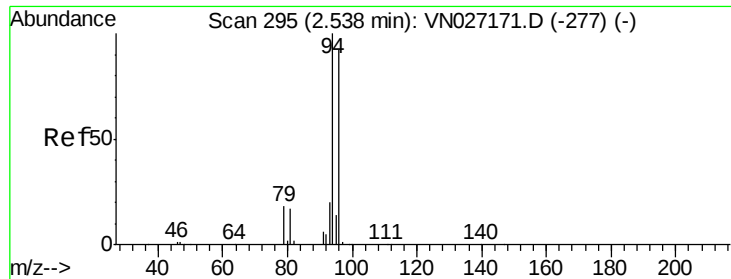
52 45.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

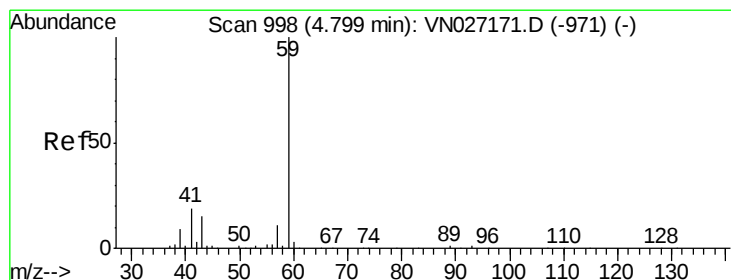
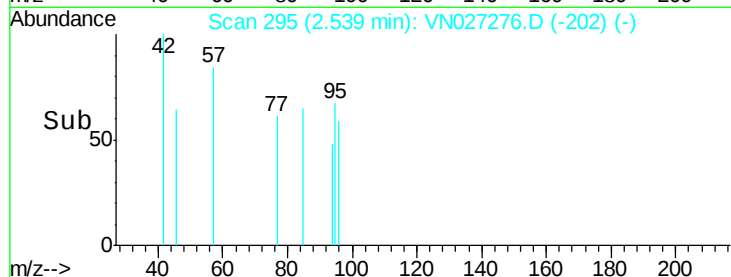
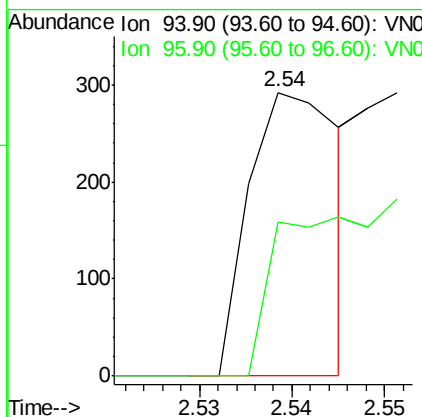
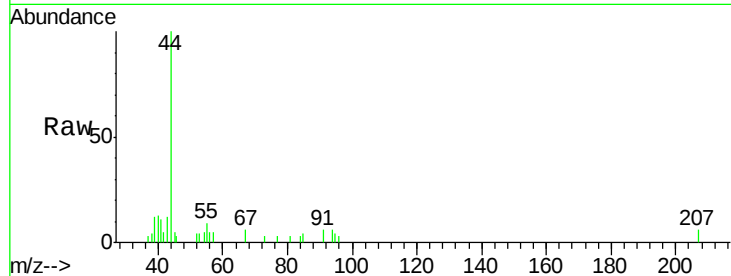




#6
Bromomethane
Concen: 1.64 ug/l
RT: 2.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VN027276.D
Acq: 18 Sep 2015 1:47

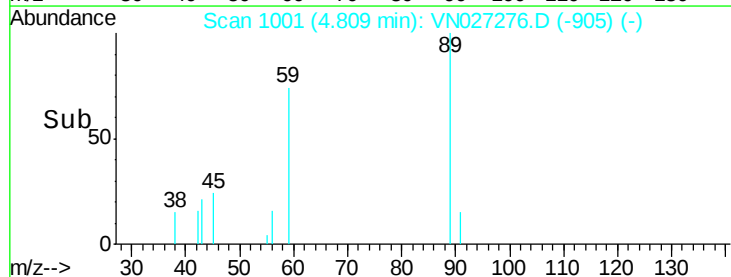
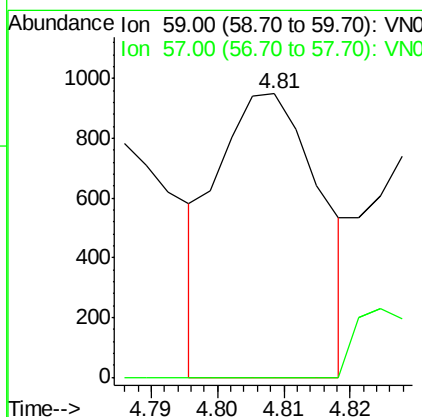
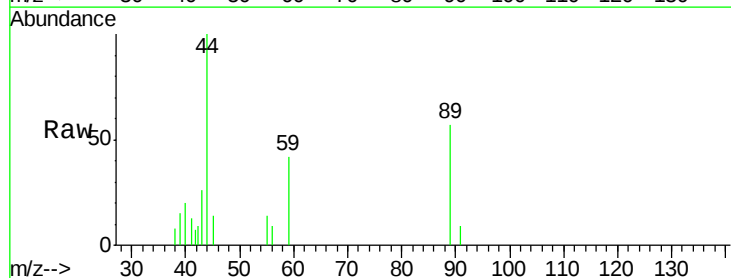
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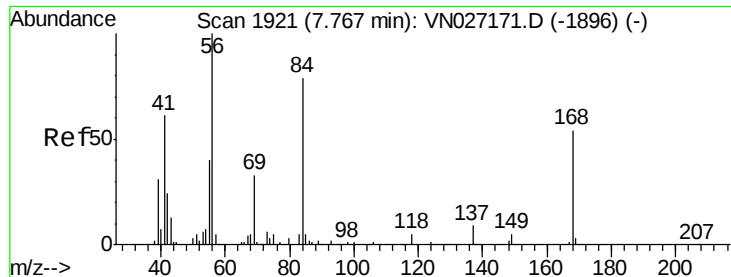
Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 54.5 73.4 110.2#



#12
Tert butyl alcohol
Concen: 0.67 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN027276.D
Acq: 18 Sep 2015 1:47

Tgt Ion: 59 Resp: 1028
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#





#32

Cyclohexane

Concen: 0.21 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.02 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

Instrument :

MSVOA_N

ClientSampleId :

TB-91515

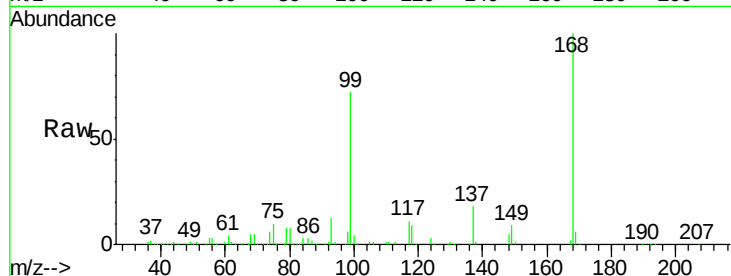
Tgt Ion: 56 Resp: 24288

Ion Ratio Lower Upper

56 100

69 160.4 23.0 34.4#

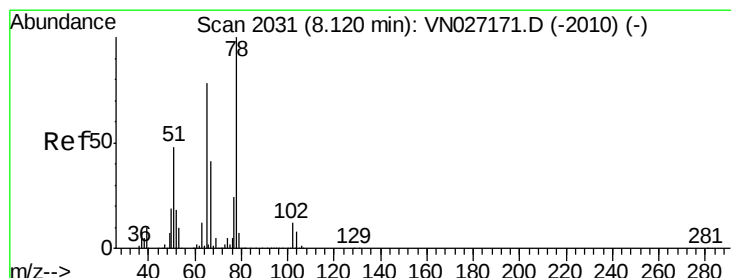
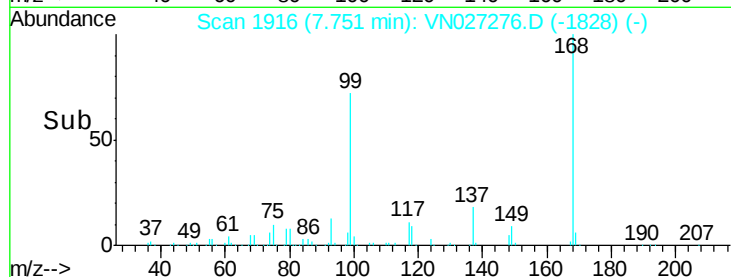
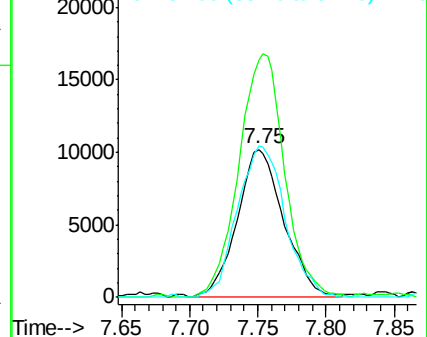
84 102.2 57.8 86.8#



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: 48.61 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027276.D

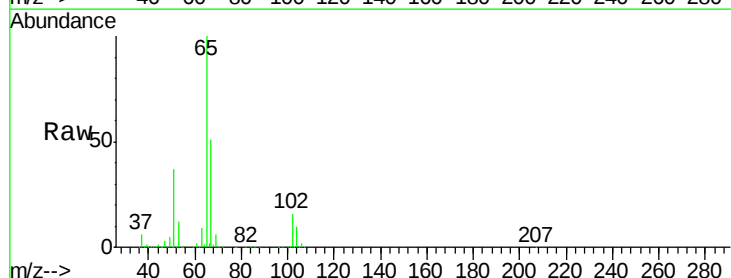
Acq: 18 Sep 2015 1:47

Tgt Ion: 65 Resp: 761412

Ion Ratio Lower Upper

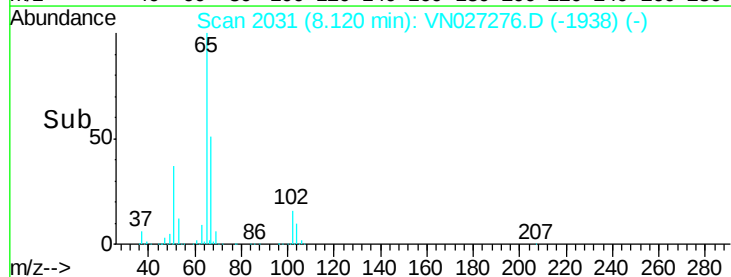
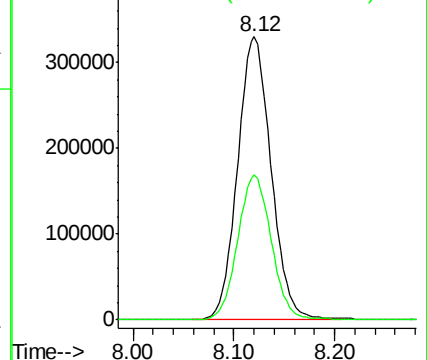
65 100

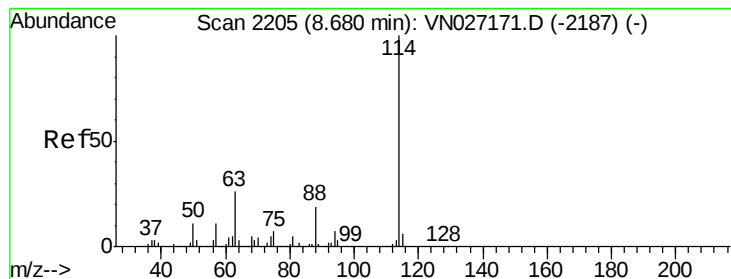
67 51.6 0.0 110.6



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# 2206

Delta R.T. 0.00 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

Instrument :

MSVOA_N

ClientSampleId :

TB-91515

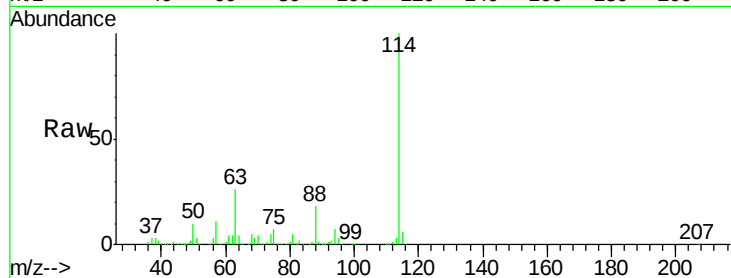
Tgt Ion:114 Resp: 1371868

Ion Ratio Lower Upper

114 100

63 26.0 0.0 48.8

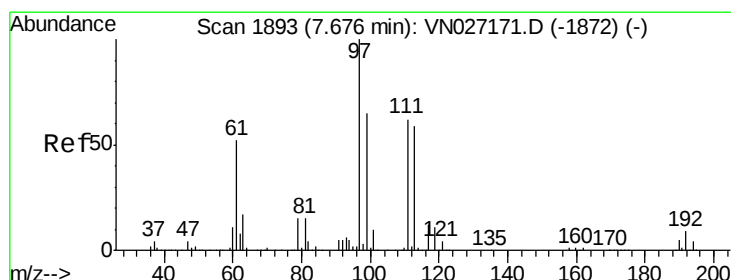
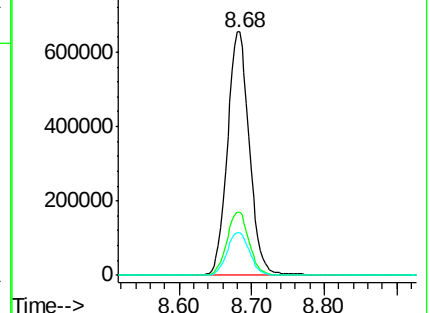
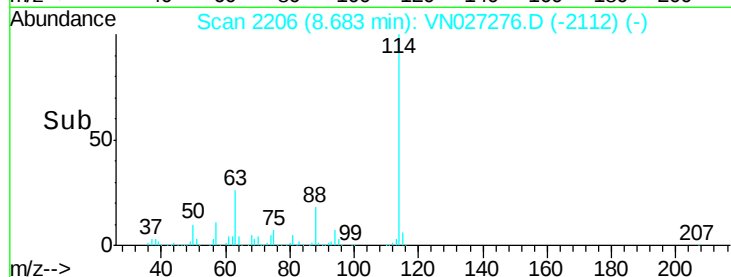
88 17.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 51.74 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

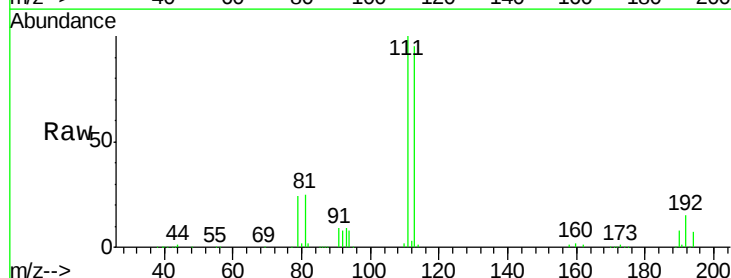
Tgt Ion:113 Resp: 492029

Ion Ratio Lower Upper

113 100

111 106.1 83.0 124.4

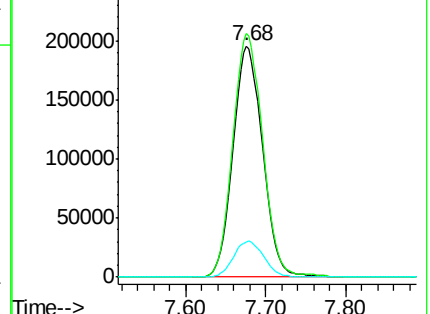
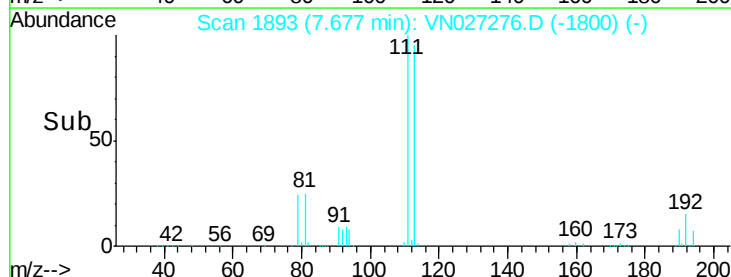
192 16.0 14.1 21.1

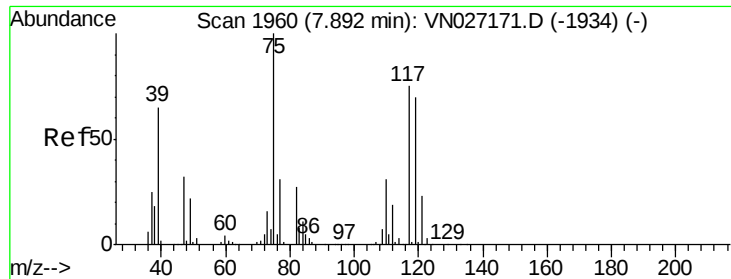


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

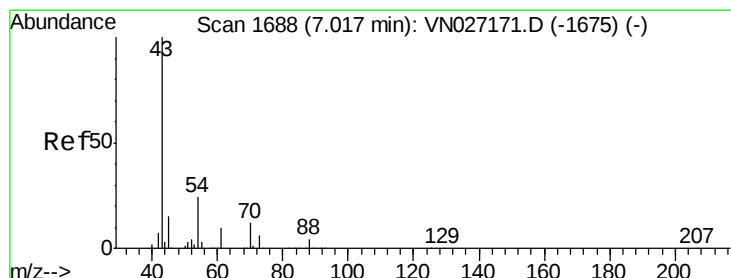
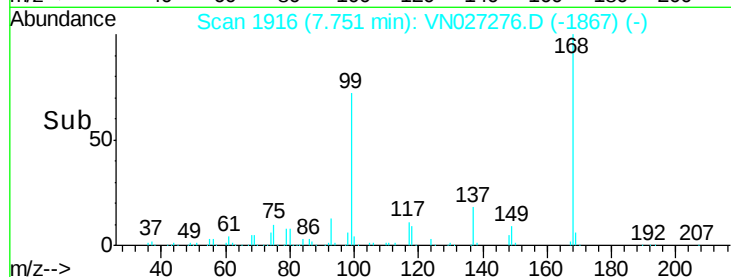
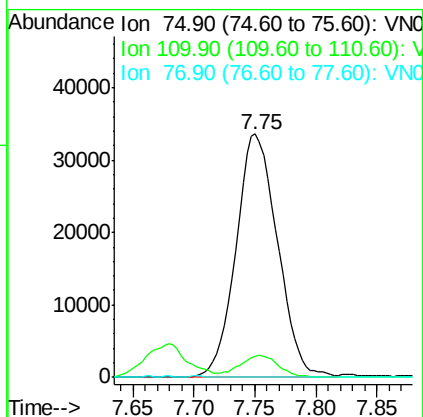
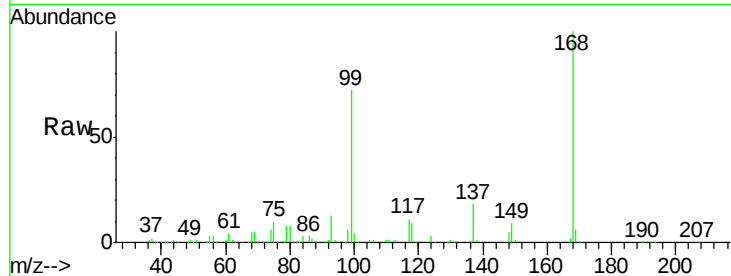




#37
 1,1-Dichloropropene
 Concen: 4.94 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027276.D
 Acq: 18 Sep 2015 1:47

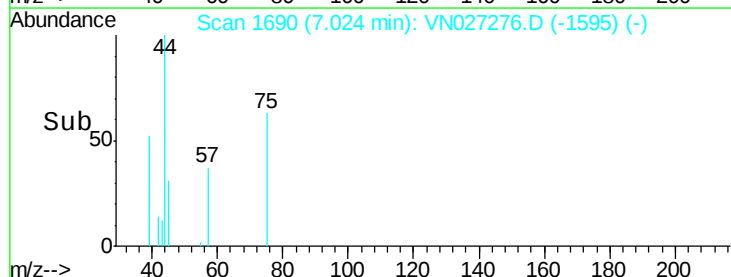
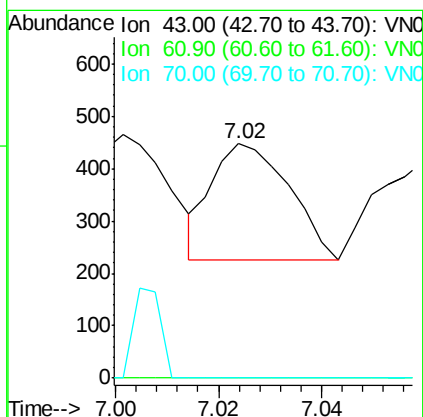
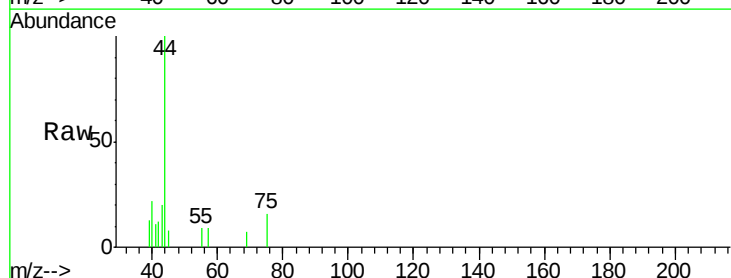
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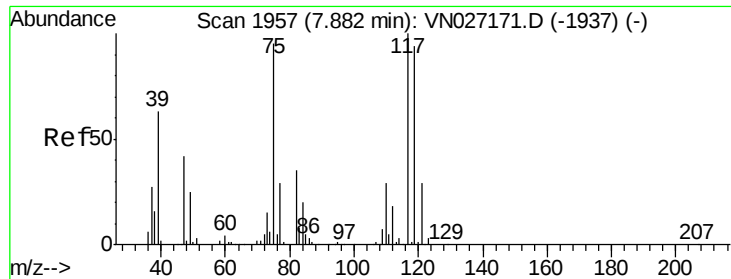
Tgt Ion: 75 Resp: 79269
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.9 47.7#
 77 0.0 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.02 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VN027276.D
 Acq: 18 Sep 2015 1:47

Tgt Ion: 43 Resp: 230
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 28.3 7.4 11.0#

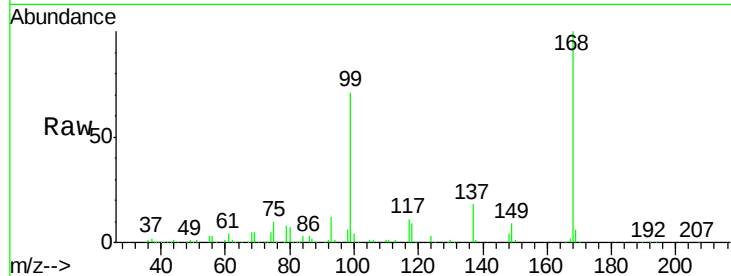




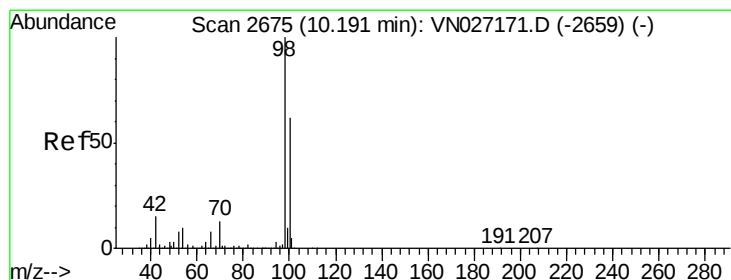
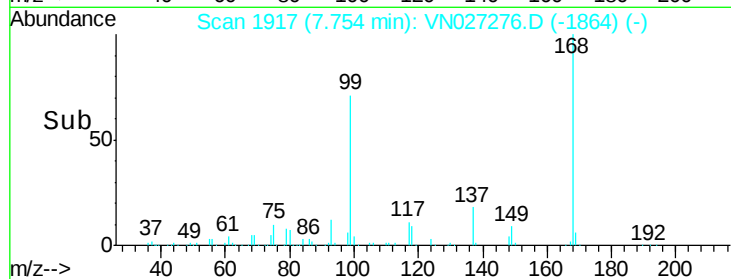
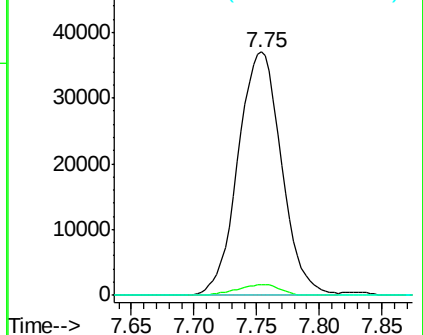
#39
Carbon Tetrachloride
Concen: 5.91 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.13 min
Lab File: VN027276.D
Acq: 18 Sep 2015 1:47

Instrument :
MSVOA_N
ClientSampleId :
TB-91515

Tgt Ion:117 Resp: 89228
Ion Ratio Lower Upper
117 100
119 4.3 75.3 112.9#
121 0.0 23.8 35.8#

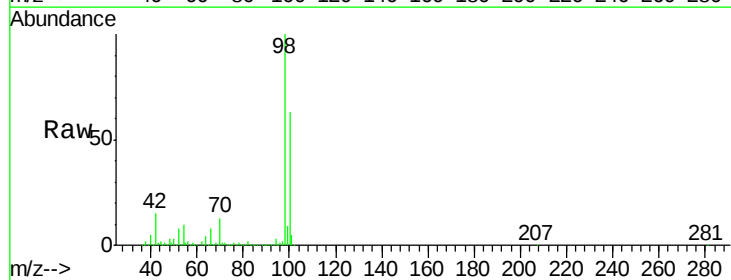


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

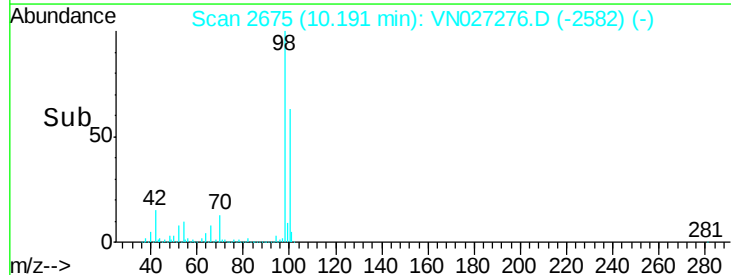
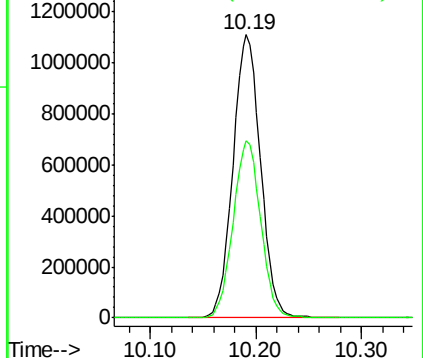


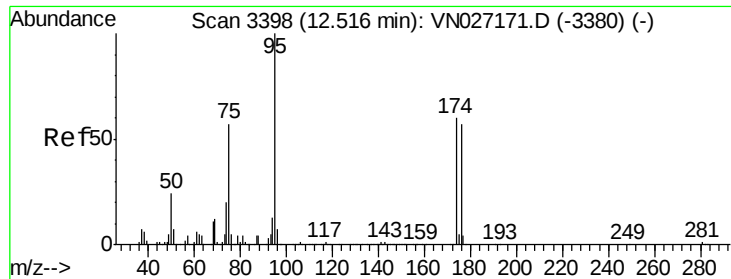
#51
Toluene-d8
Concen: 53.90 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027276.D
Acq: 18 Sep 2015 1:47

Tgt Ion: 98 Resp: 2006772
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

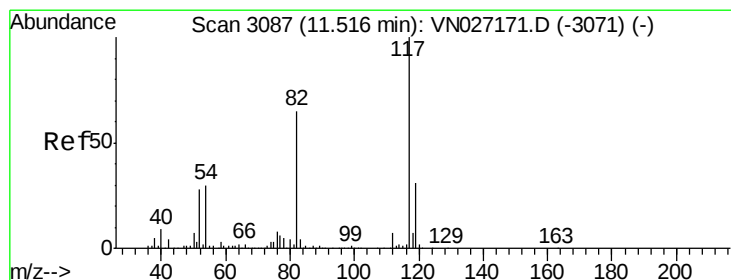
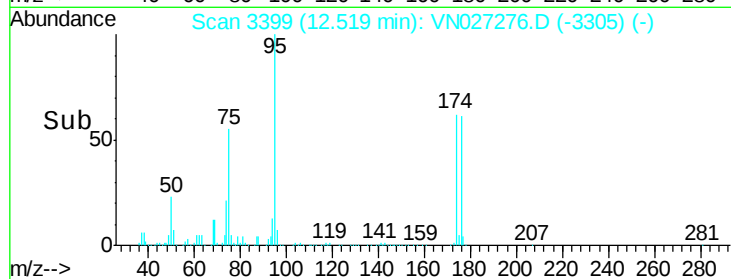
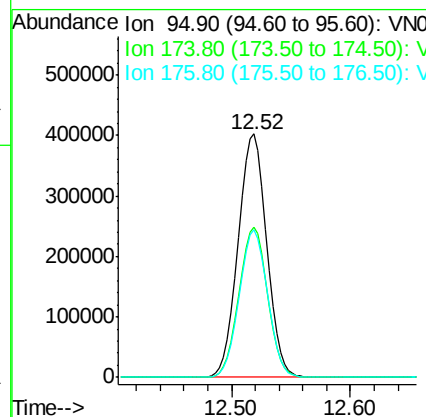
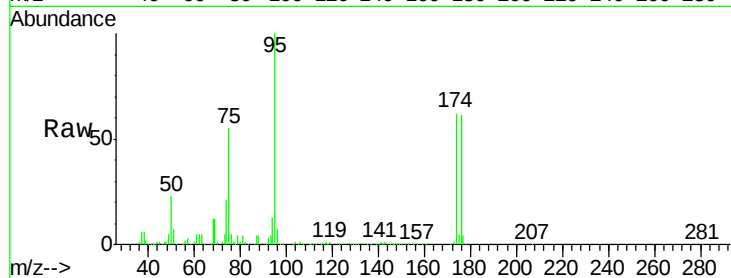




#63
4-Bromofluorobenzene
Concen: 50.85 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027276.D
Acq: 18 Sep 2015 1:47

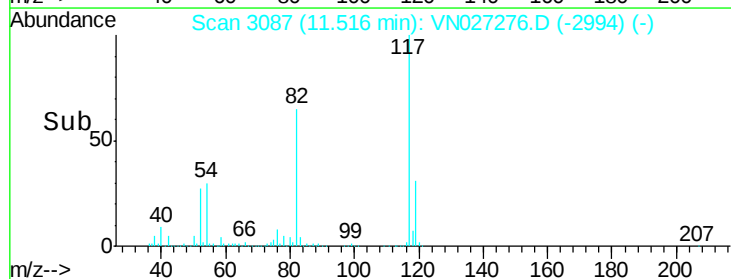
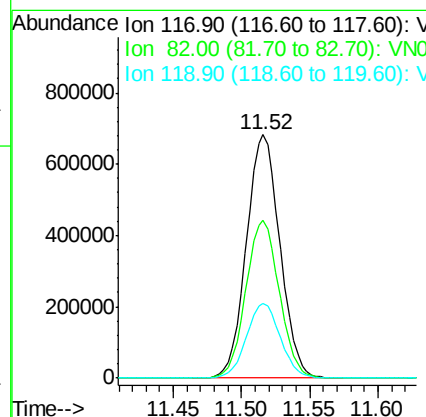
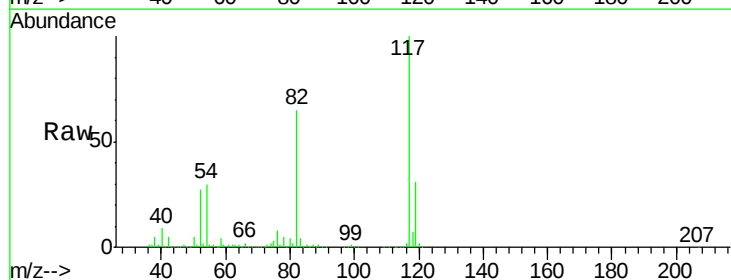
Instrument :
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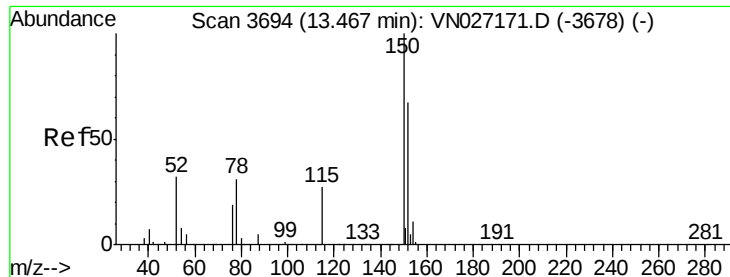
Tgt Ion: 95 Resp: 671963
Ion Ratio Lower Upper
95 100
174 61.6 0.0 137.0
176 59.9 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027276.D
Acq: 18 Sep 2015 1:47

Tgt Ion: 117 Resp: 1162510
Ion Ratio Lower Upper
117 100
82 64.7 49.6 74.4
119 30.8 24.6 36.8





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

Instrument :

MSVOA_N

ClientSampled :

TB-91515

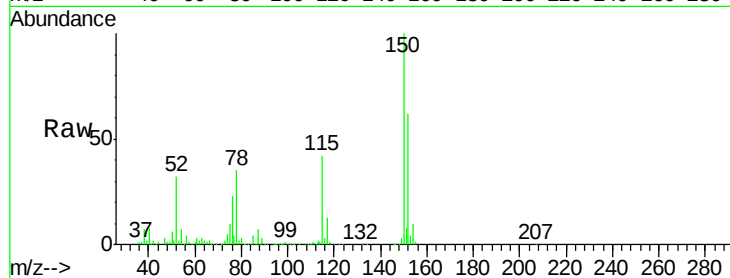
Tgt Ion:152 Resp: 399345

Ion Ratio Lower Upper

152 100

115 68.5 30.8 92.3

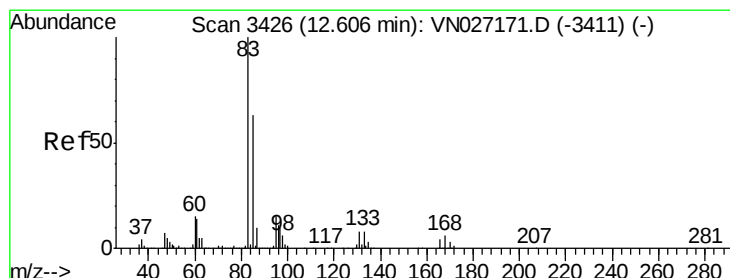
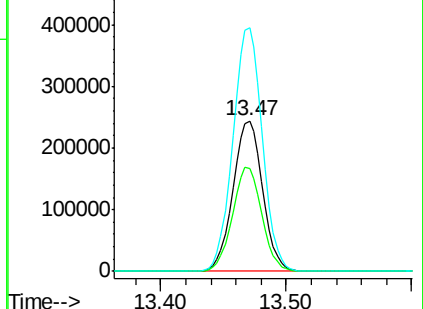
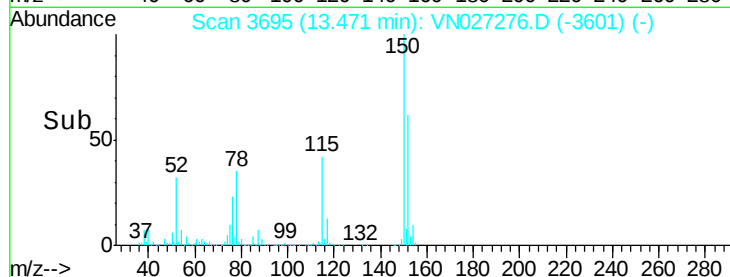
150 161.1 0.0 345.0



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: 12.68 min Scan# 3450

Delta R.T. 0.08 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

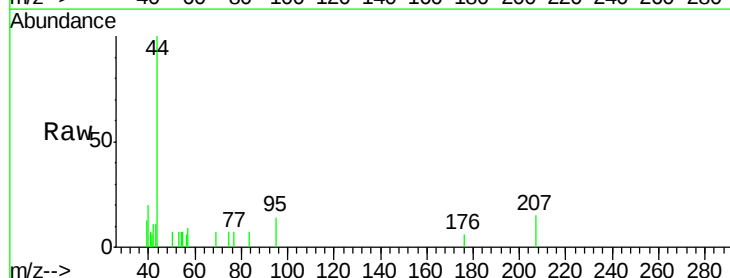
Tgt Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

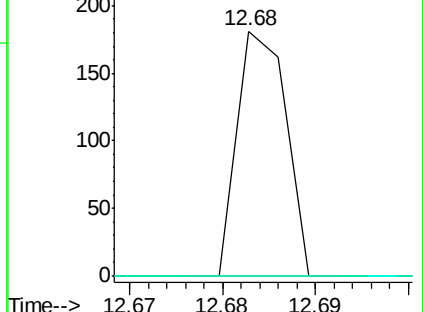
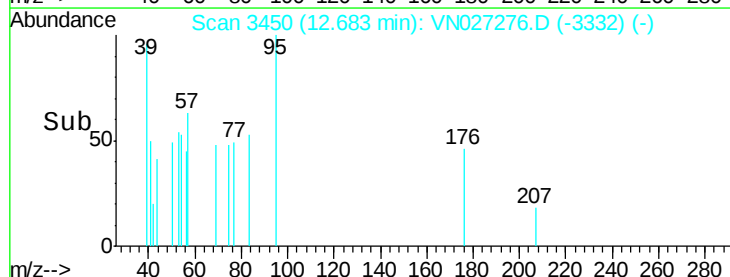
85 0.0 31.9 95.7#

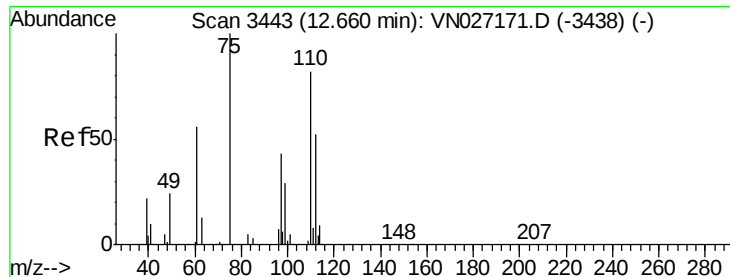


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#77

1,2,3-Trichloropropane

Concen: 31.34 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

Instrument :

MSVOA_N

ClientSampleId :

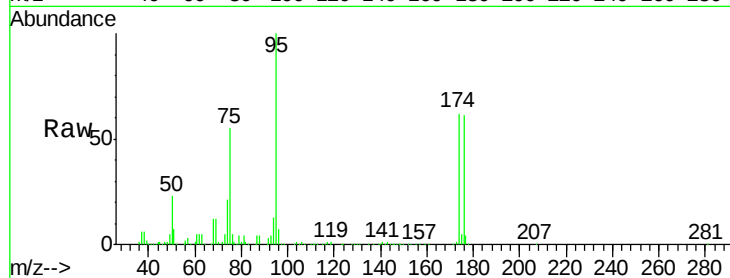
TB-91515

Tgt Ion: 75 Resp: 378225

Ion Ratio Lower Upper

75 100

77 1.2 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.52

250000

200000

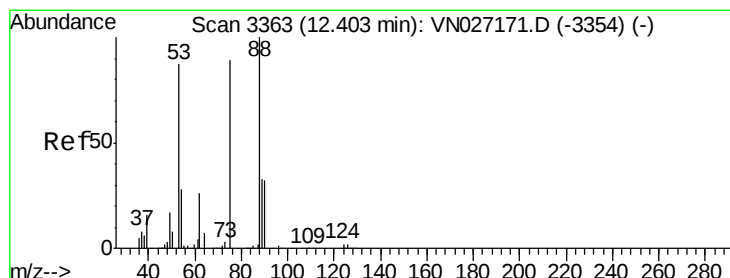
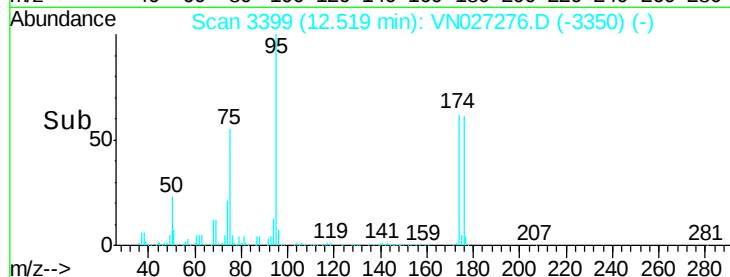
150000

100000

50000

0

Time-->



#82

trans-1,4-Dichloro-2-butene

Concen: 76.98 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

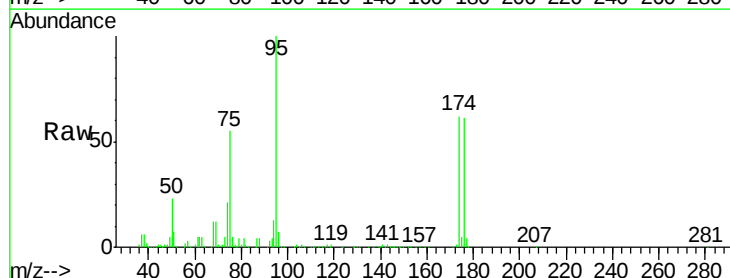
Tgt Ion: 75 Resp: 378225

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.52

300000

250000

200000

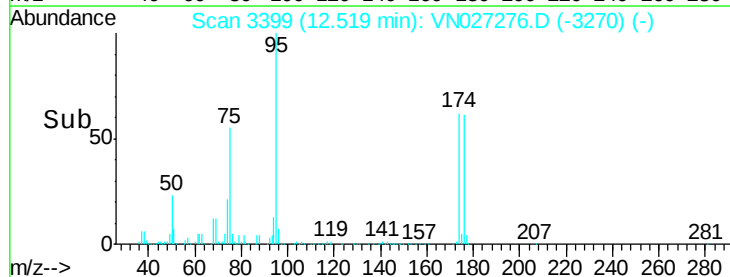
150000

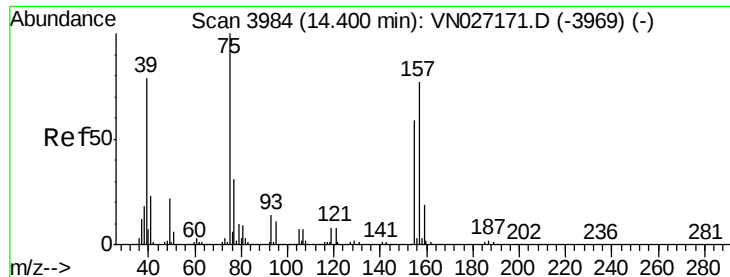
100000

50000

0

Time-->





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.49 min Scan# 4013

Delta R.T. 0.09 min

Lab File: VN027276.D

Acq: 18 Sep 2015 1:47

Instrument :

MSVOA_N

ClientSampleId :

TB-91515

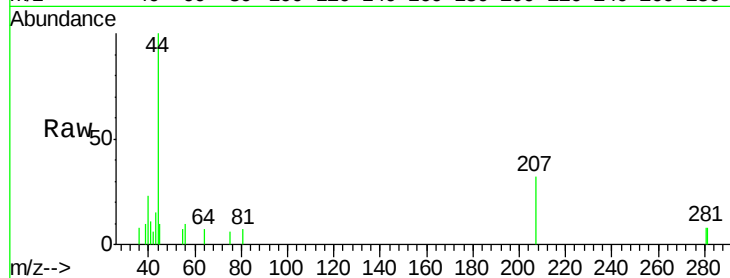
Tgt Ion: 75 Resp: 60

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): VN027276.D (-3890) (-)

Ion 154.80 (154.50 to 155.50): VN027276.D (-3890) (-)

Ion 156.80 (156.50 to 157.50): VN027276.D (-3890) (-)

