

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091515\
 Data File : VN027179.D
 Acq On : 15 Sep 2015 22:52
 Operator : MD\FY
 Sample : VN0915WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBL01

Quant Time: Sep 16 01:20:02 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	831490	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1477326	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1225715	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	433111	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	818658	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
36) Dibromofluoromethane	7.68	113	527289	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
51) Toluene-d8	10.19	98	2157314	53.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.60%	
63) 4-Bromofluorobenzene	12.52	95	724722	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	

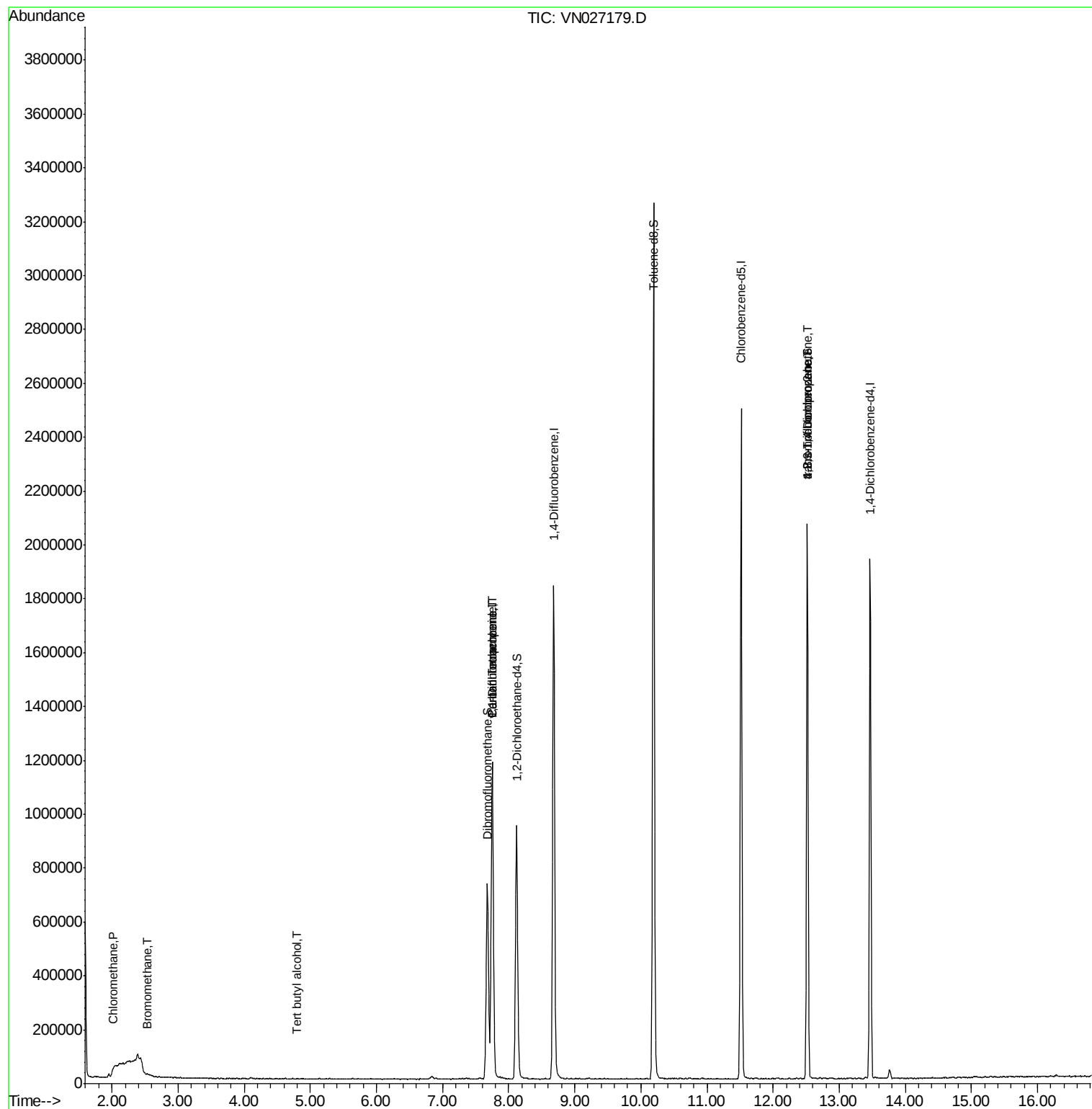
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	2441	1.32	ug/l #	57
6) Bromomethane	2.54	94	750	1.73	ug/l #	70
12) Tert butyl alcohol	4.80	59	614	0.37	ug/l #	1
37) 1,1-Dichloropropene	7.75	75	85851	4.96	ug/l #	51
38) Ethyl Acetate	7.00	43	79	Below Cal	#	1
39) Carbon Tetrachloride	7.75	117	93882	5.77	ug/l #	17
76) 1,1,2,2-Tetrachloroethane	12.60	83	226	Below Cal	#	95
77) 1,2,3-Trichloropropane	12.52	75	410485	31.36	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	410485	77.03	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.41	75	69	Below Cal	#	9

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

Quant Time: Sep 16 01:20:02 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

Instrument :

MSVOA_N

ClientSampleId :

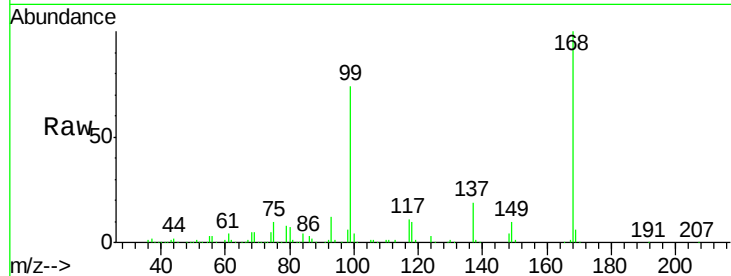
VN0915WBL01

Tgt Ion:168 Resp: 831490

Ion Ratio Lower Upper

168 100

99 73.5 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

400000

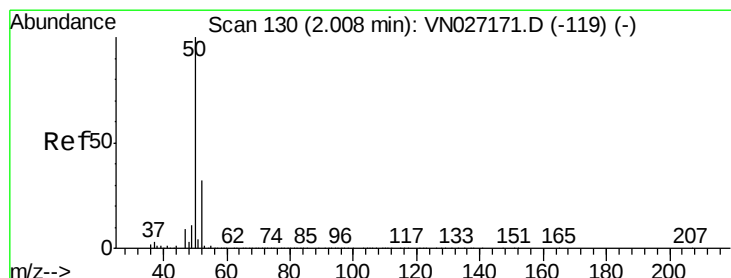
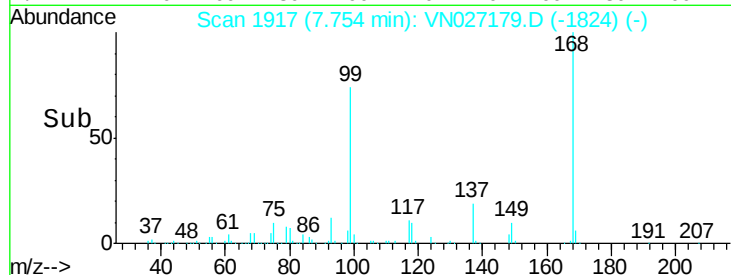
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.32 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027179.D

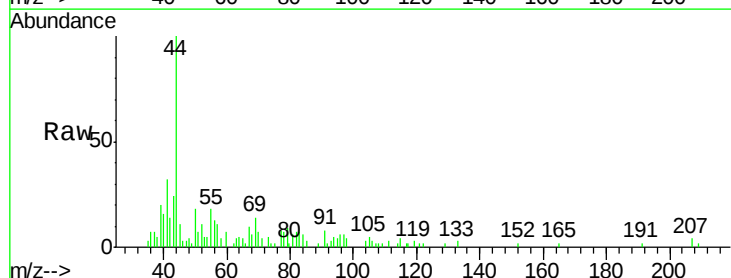
Acq: 15 Sep 2015 22:52

Tgt Ion: 50 Resp: 2441

Ion Ratio Lower Upper

50 100

52 56.5 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

2000

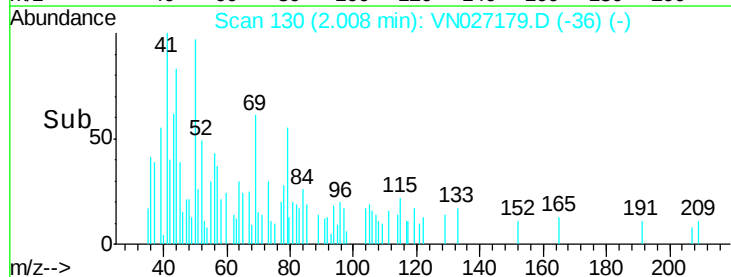
1500

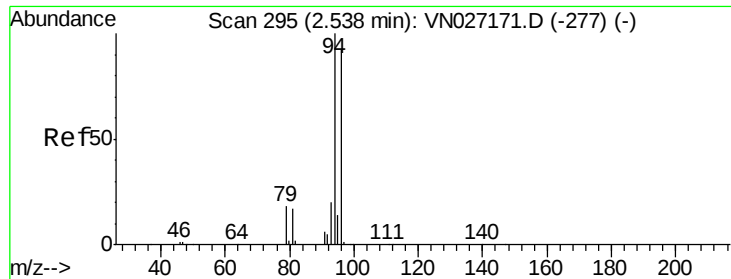
1000

500

0

Time-->





#6

Bromomethane

Concen: 1.73 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

Instrument :

MSVOA_N

ClientSampled :

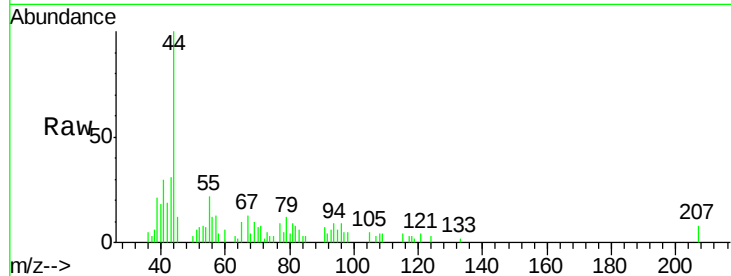
VN0915WBL01

Tgt Ion: 94 Resp: 750

Ion Ratio Lower Upper

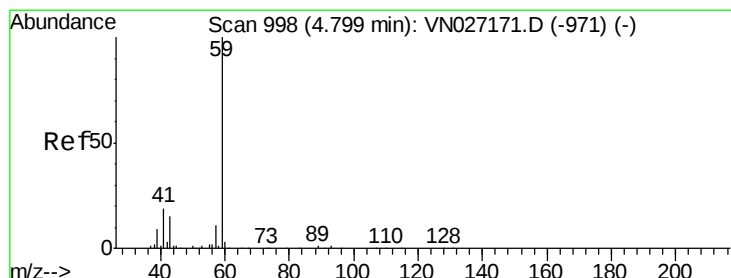
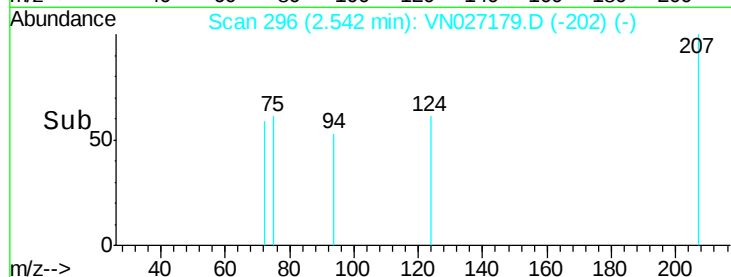
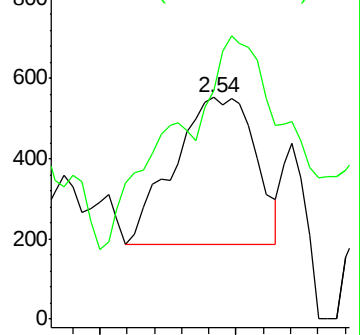
94 100

96 63.2 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: 0.37 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN027179.D

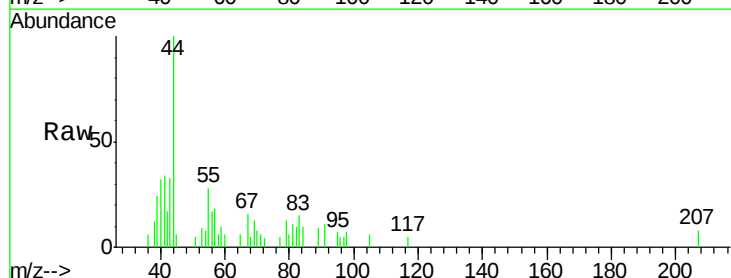
Acq: 15 Sep 2015 22:52

Tgt Ion: 59 Resp: 614

Ion Ratio Lower Upper

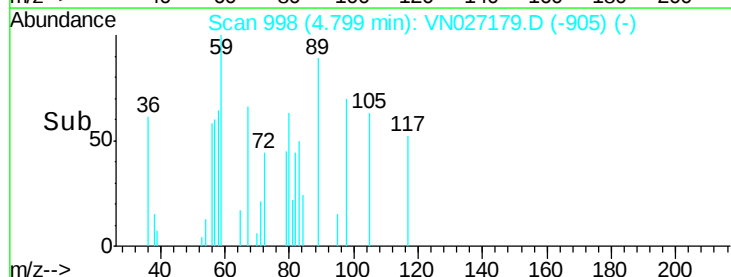
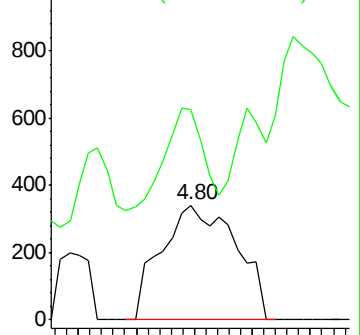
59 100

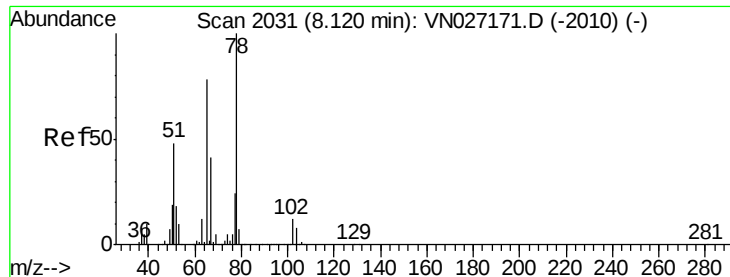
57 45.9 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#34

1,2-Dichloroethane-d4

Concen: 48.05 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

Instrument :

MSVOA_N

ClientSampleId :

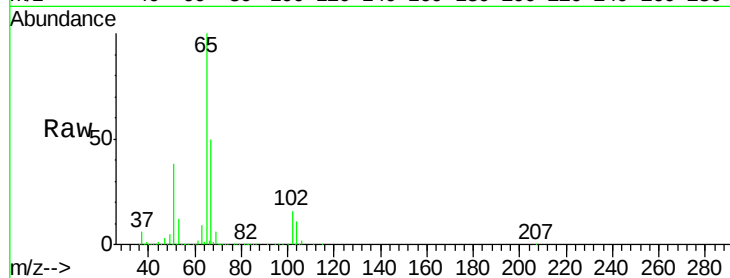
VN0915WBL01

Tgt Ion: 65 Resp: 818658

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

8.12

400000

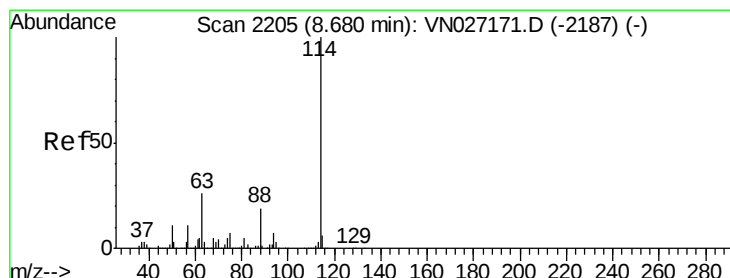
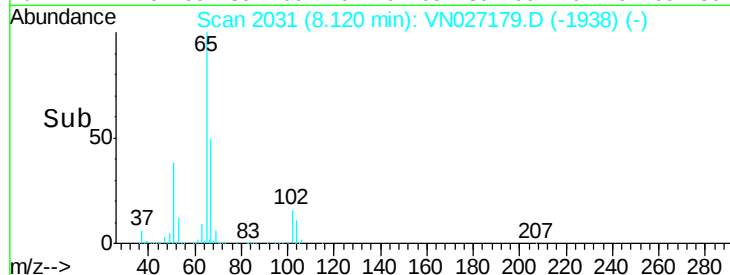
300000

200000

100000

0

Time-->



#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

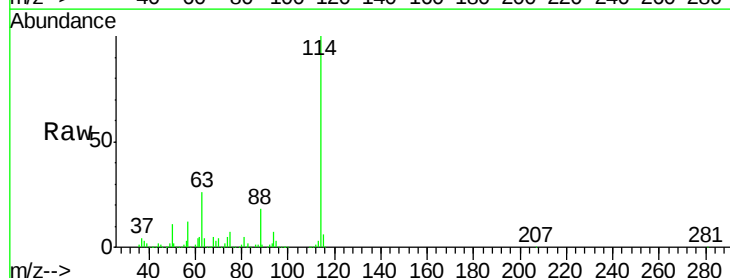
Tgt Ion: 114 Resp: 1477326

Ion Ratio Lower Upper

114 100

63 26.1 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

8.68

800000

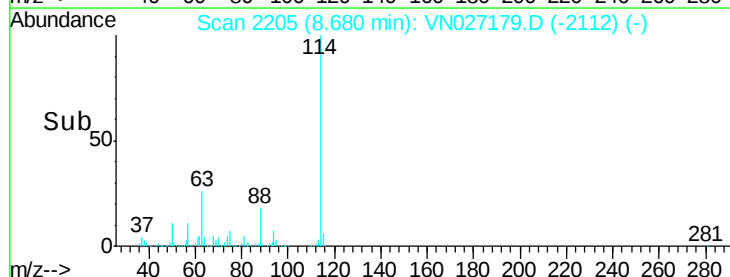
600000

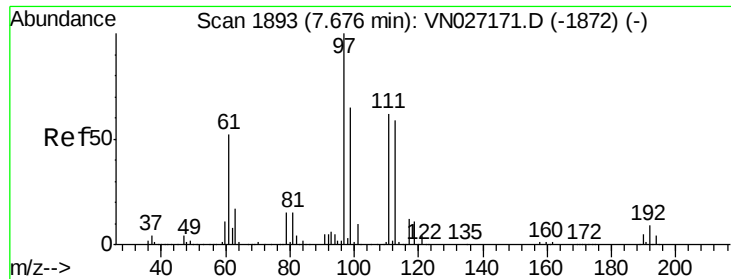
400000

200000

0

Time-->

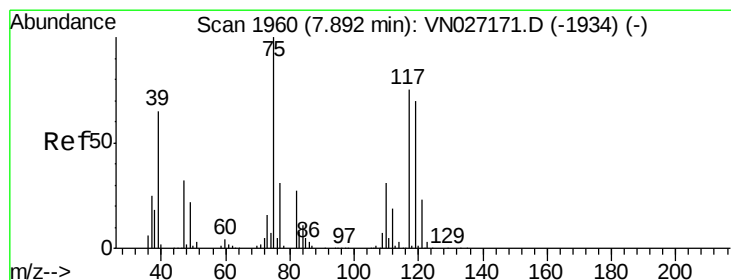
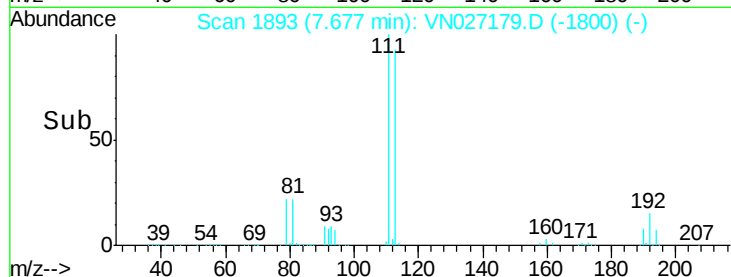
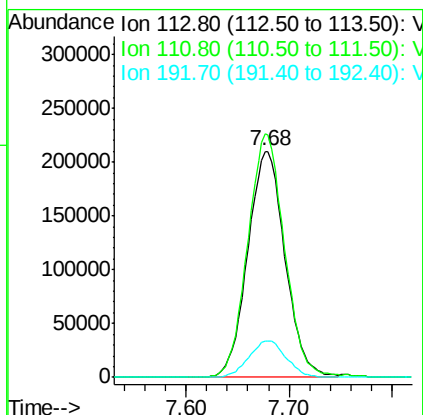
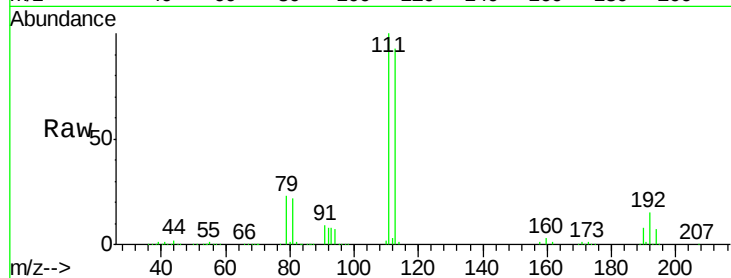




#36
 Dibromofluoromethane
 Concen: 51.49 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027179.D
 Acq: 15 Sep 2015 22:52

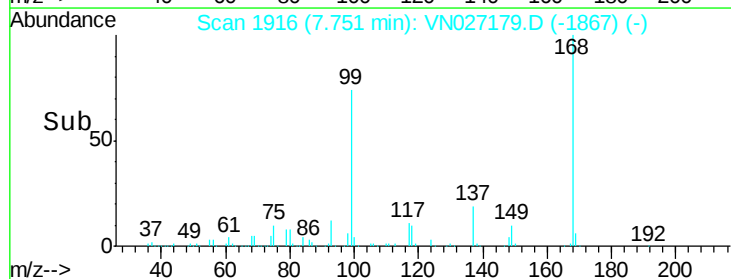
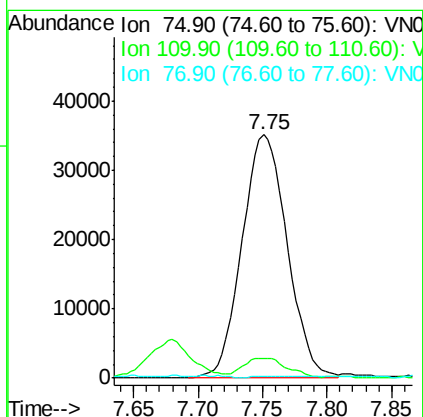
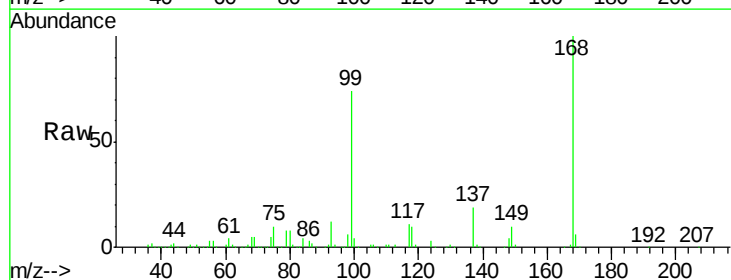
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBL01

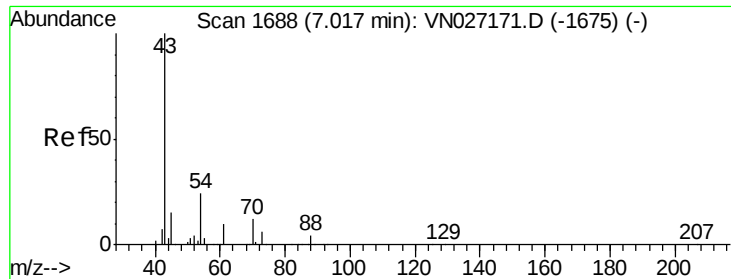
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.8	83.0	124.4
192	16.2	14.1	21.1



#37
 1,1-Dichloropropene
 Concen: 4.96 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027179.D
 Acq: 15 Sep 2015 22:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.9	47.7#
77	0.2	24.9	37.3#

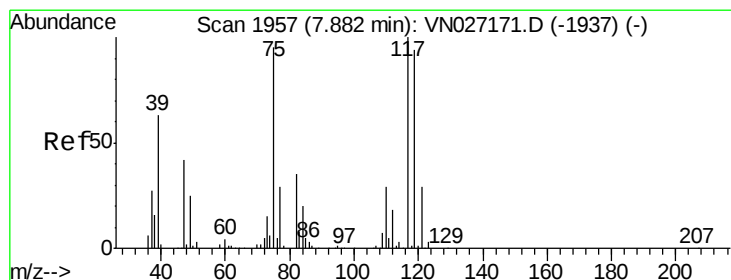
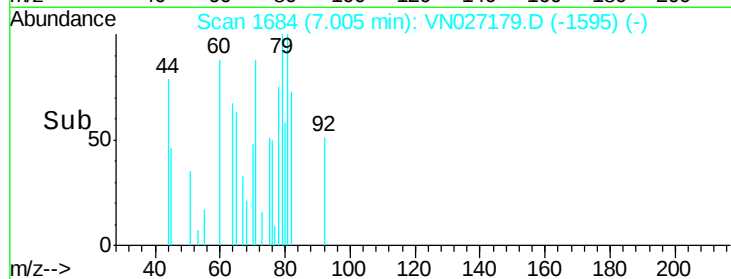
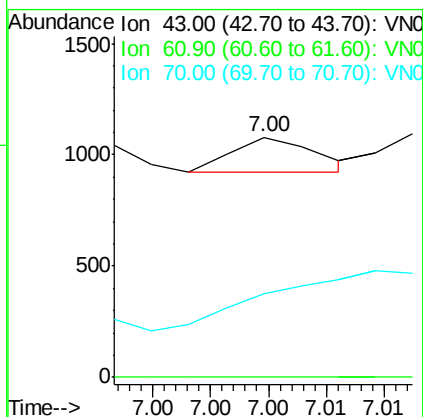
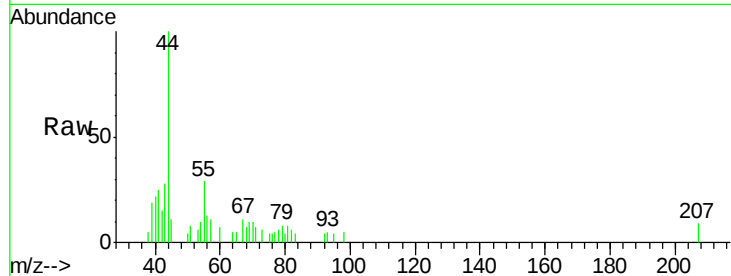




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.00 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VN027179.D
Acq: 15 Sep 2015 22:52

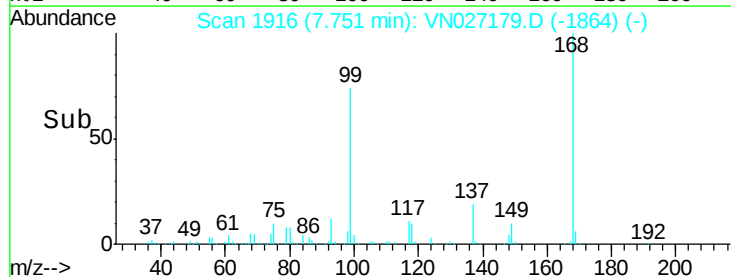
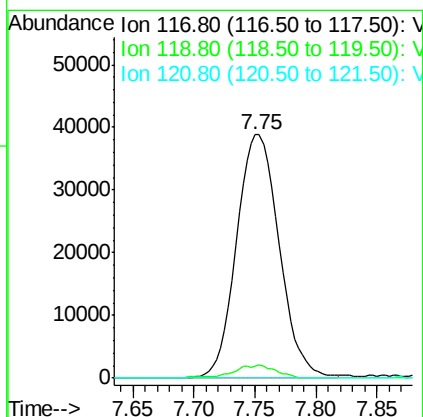
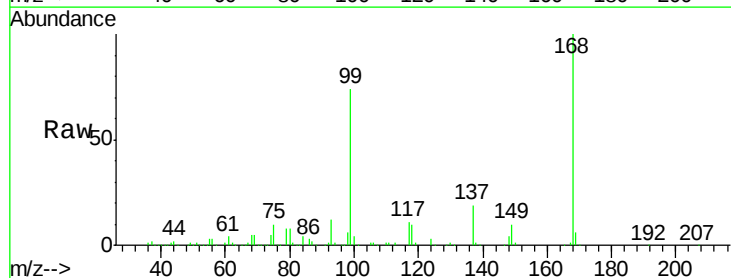
Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

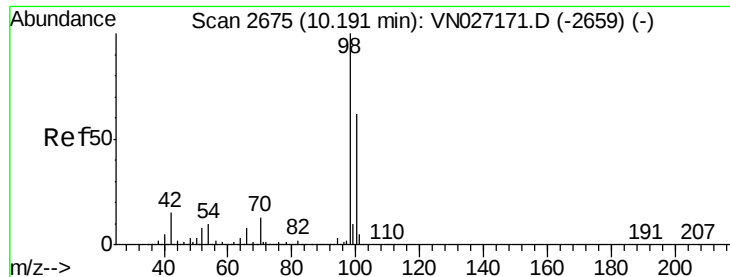
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 779.7 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.77 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027179.D
Acq: 15 Sep 2015 22:52

Tgt Ion: 117 Resp: 93882
Ion Ratio Lower Upper
117 100
119 5.0 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 53.80 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

Instrument :

MSVOA_N

ClientSampleId :

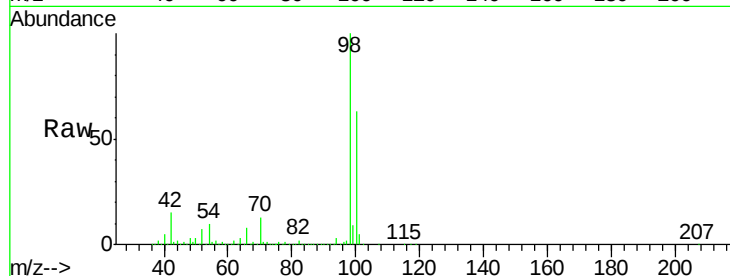
VN0915WBL01

Tgt Ion: 98 Resp: 2157314

Ion Ratio Lower Upper

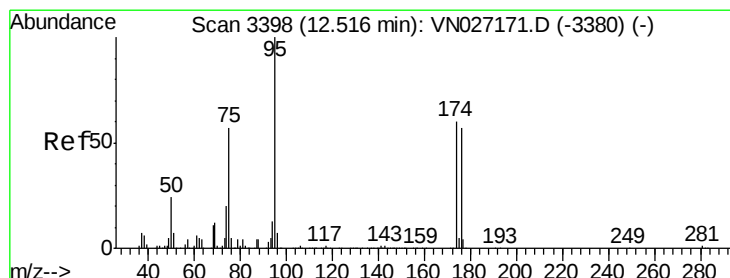
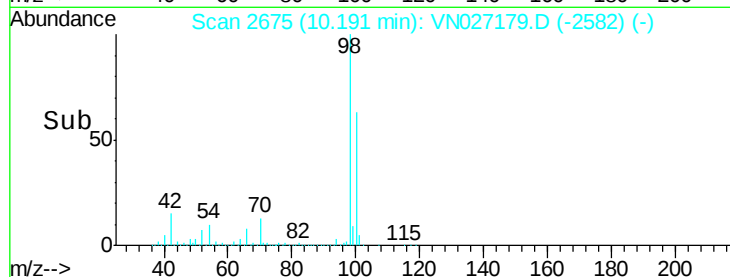
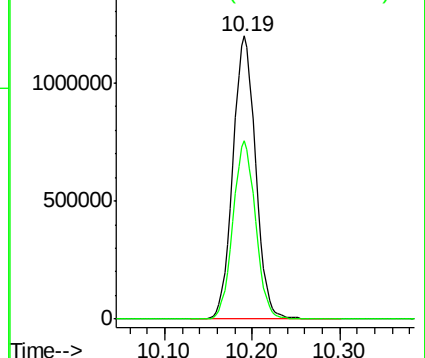
98 100

100 62.8 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#63

4-Bromofluorobenzene

Concen: 50.92 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

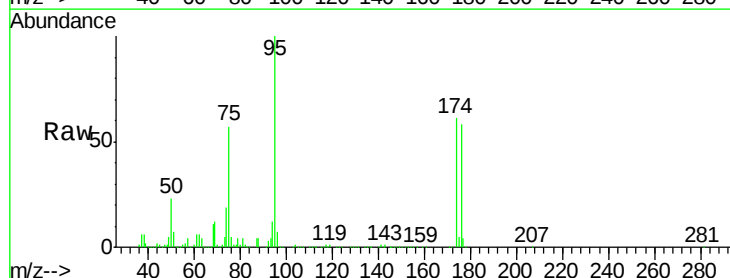
Tgt Ion: 95 Resp: 724722

Ion Ratio Lower Upper

95 100

174 61.6 0.0 137.0

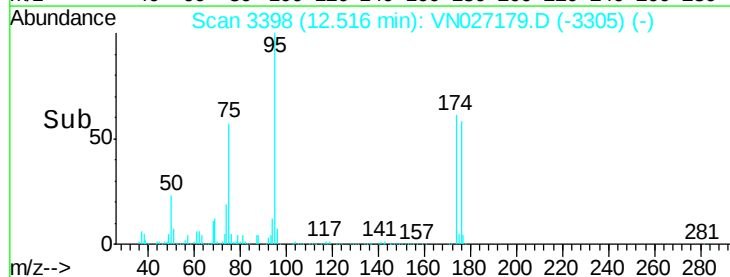
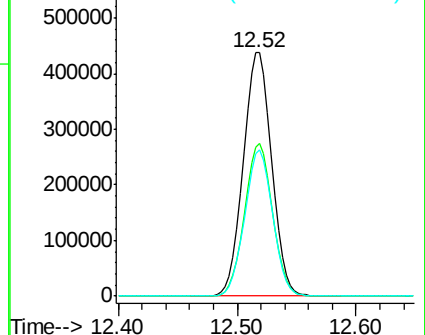
176 59.0 0.0 130.8

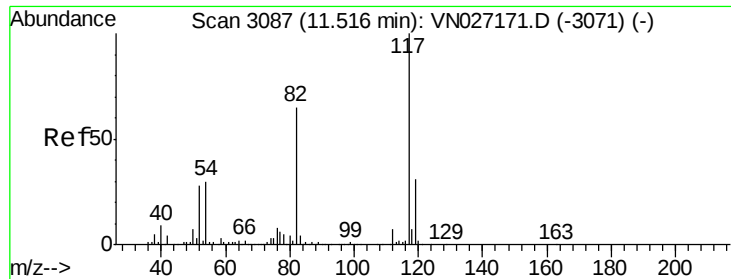


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#64

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBL01

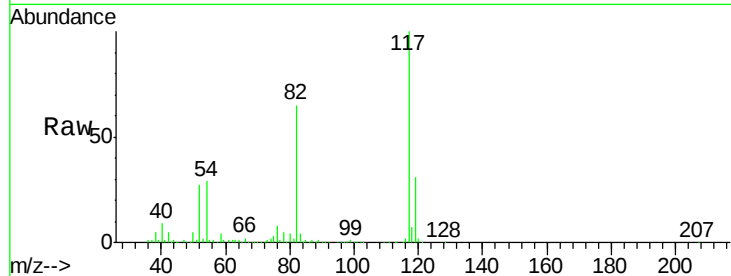
Tgt Ion:117 Resp: 1225715

Ion Ratio Lower Upper

117 100

82 65.1 49.6 74.4

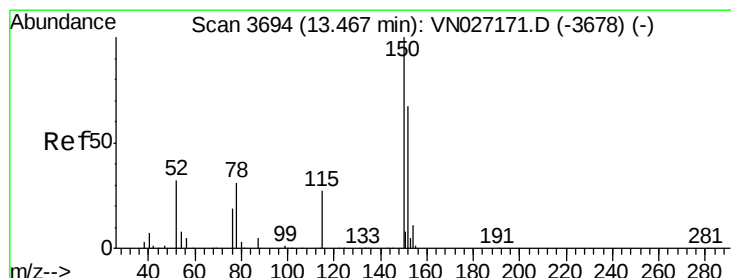
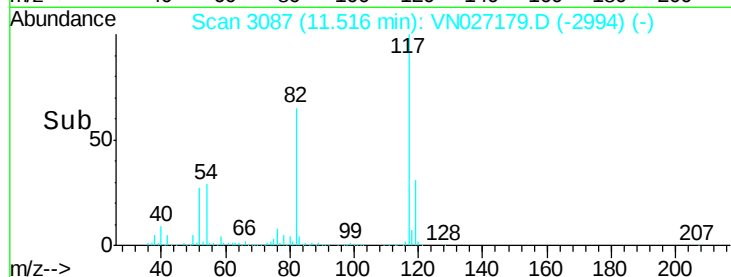
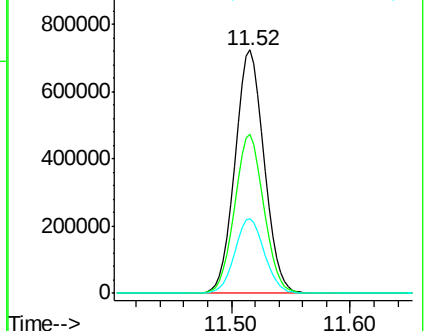
119 30.7 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VN027179.D

Acq: 15 Sep 2015 22:52

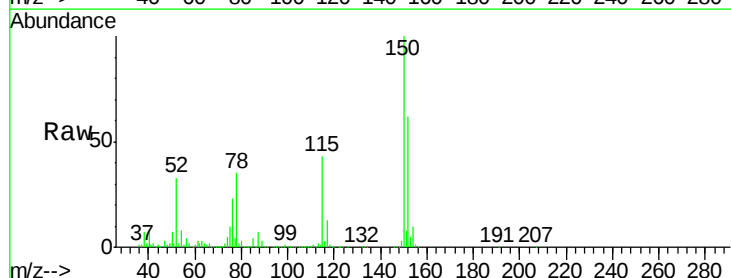
Tgt Ion:152 Resp: 433111

Ion Ratio Lower Upper

152 100

115 69.3 30.8 92.3

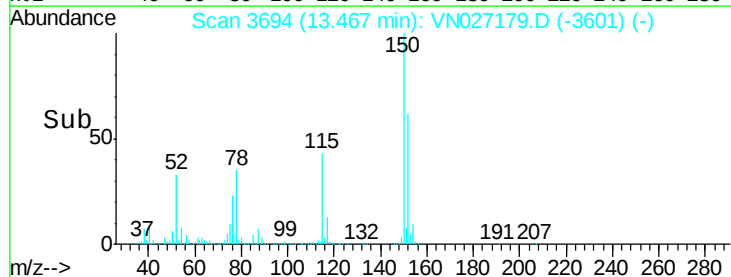
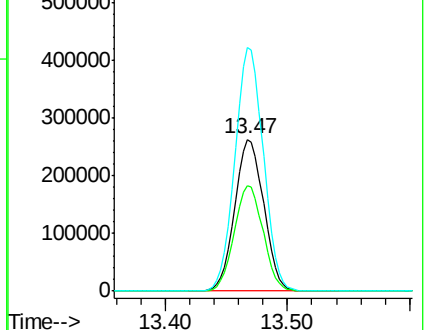
150 157.8 0.0 345.0

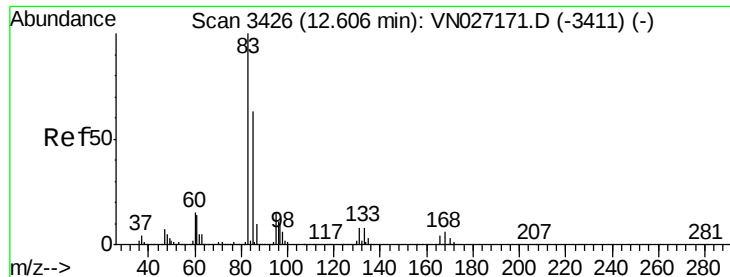


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.60 min Scan# 3424

Delta R.T. -0.01 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

Instrument :

MSVOA_N

ClientSampled :

VN0915WBL01

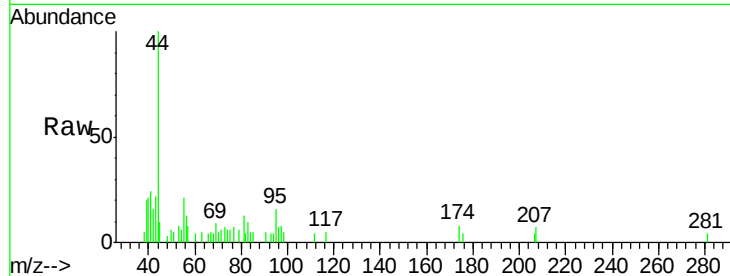
Tgt Ion: 83 Resp: 226

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

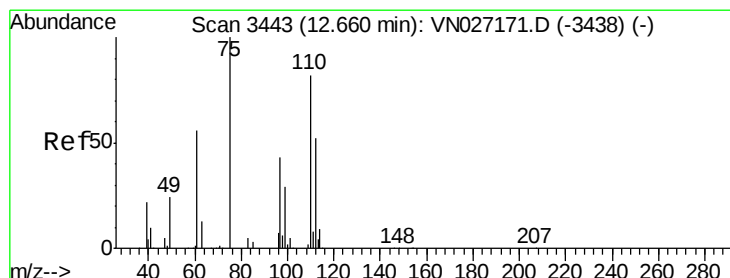
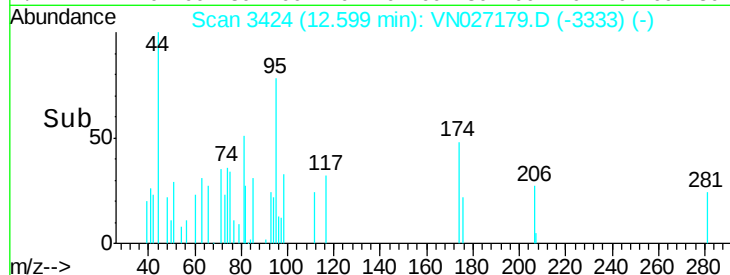
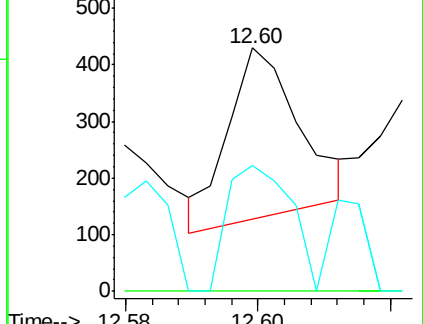
85 65.5 31.9 95.7



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: 31.36 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027179.D

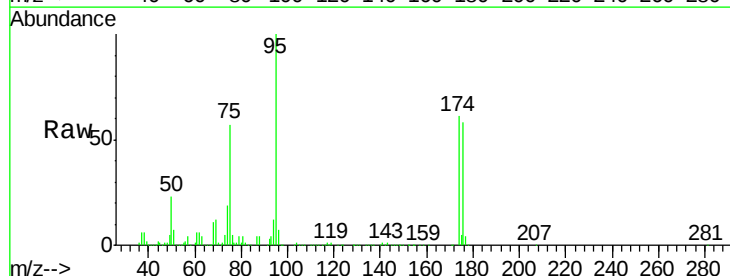
Acq: 15 Sep 2015 22:52

Tgt Ion: 75 Resp: 410485

Ion Ratio Lower Upper

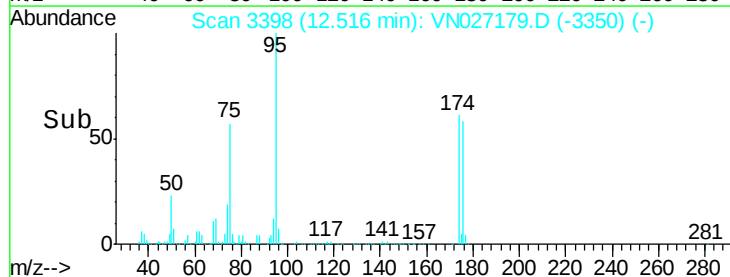
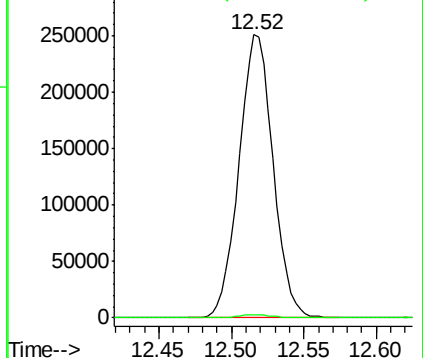
75 100

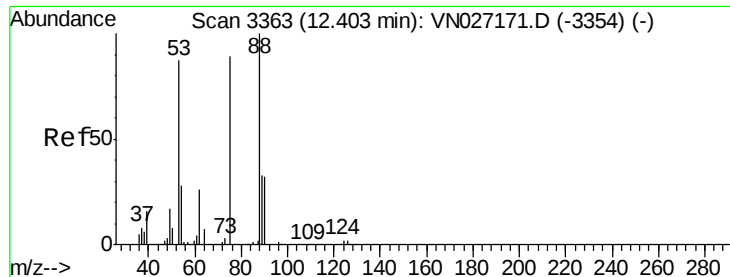
77 1.0 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#82

trans-1,4-Dichloro-2-butene

Concen: 77.03 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBL01

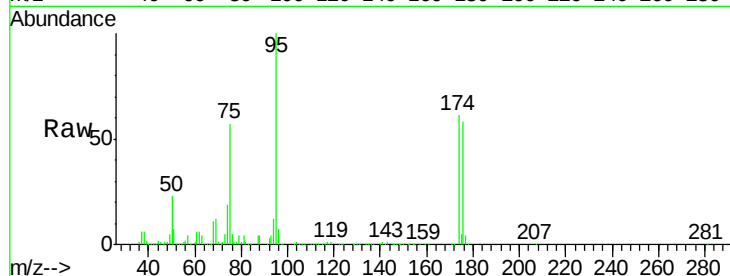
Tgt Ion: 75 Resp: 410485

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

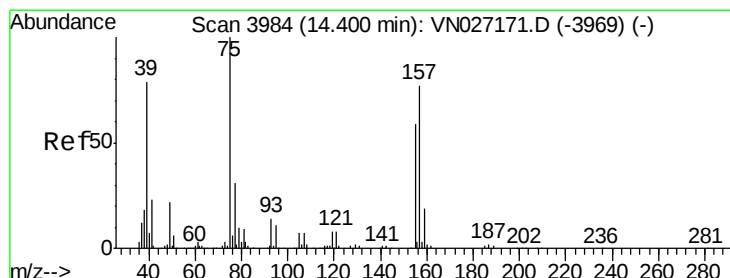
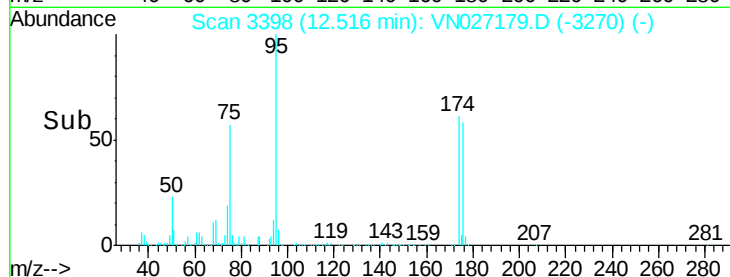
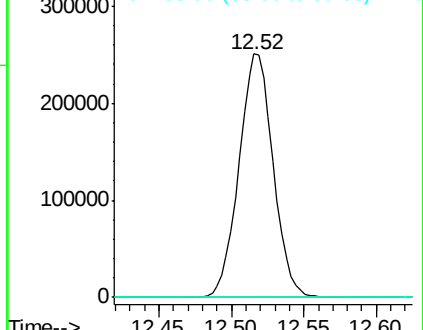
89 0.0 34.2 51.4#



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



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.41 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VN027179.D

Acq: 15 Sep 2015 22:52

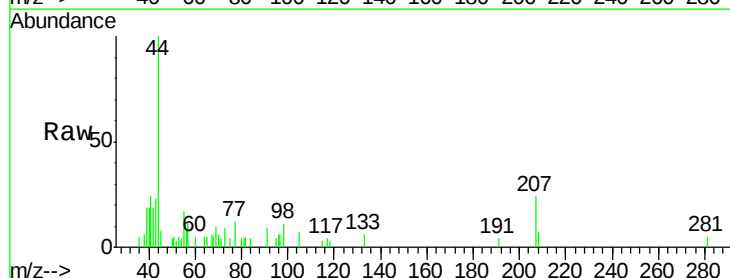
Tgt Ion: 75 Resp: 69

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

