

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027269.D
 Acq On : 17 Sep 2015 22:34
 Operator : MD\FY
 Sample : VN0917WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBL03

Quant Time: Sep 18 06:41:01 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	780200	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1409801	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1178692	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	413787	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	781597	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
36) Dibromofluoromethane	7.68	113	497621	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
51) Toluene-d8	10.19	98	2066591	54.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.02%	
63) 4-Bromofluorobenzene	12.52	95	686417	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.08%	

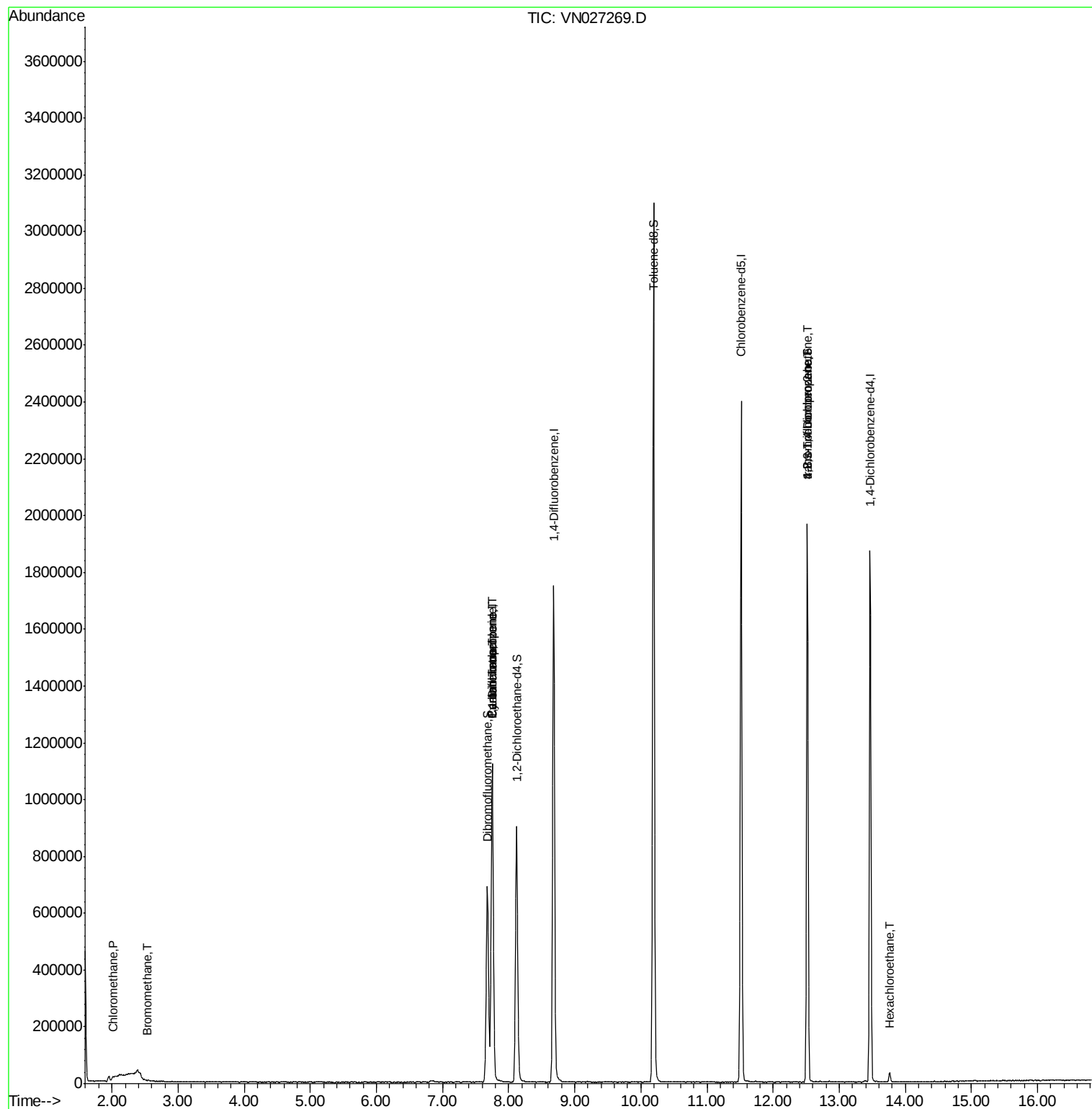
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	2233	1.32	ug/l #	77
6) Bromomethane	2.55	94	737	1.73	ug/l	98
32) Cyclohexane	7.75	56	26492	0.29	ug/l #	14
37) 1,1-Dichloropropene	7.75	75	81418	4.93	ug/l #	51
38) Ethyl Acetate	7.03	43	110	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	88403	5.70	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.68	83	29	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	398401	31.86	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	398401	78.25	ug/l #	4
91) Hexachloroethane	13.77	117	1730	0.23	ug/l #	15
93) 1,2-Dibromo-3-Chloropropan	14.11	75	31	Below Cal	#	9

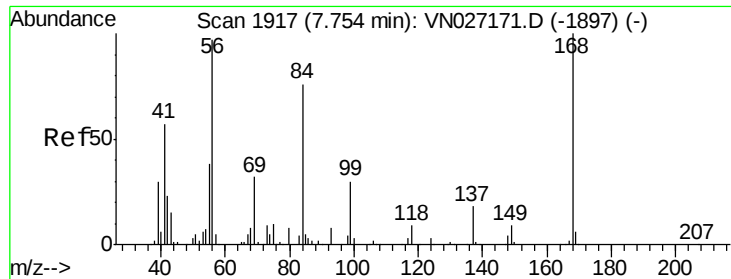
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

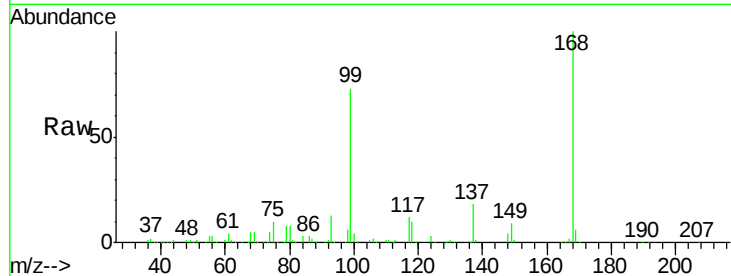
VN0917WBL03

Tgt Ion:168 Resp: 780200

Ion Ratio Lower Upper

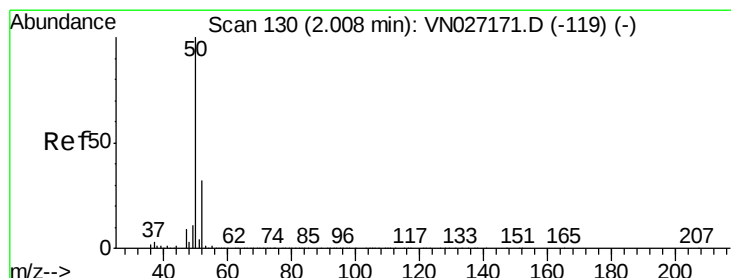
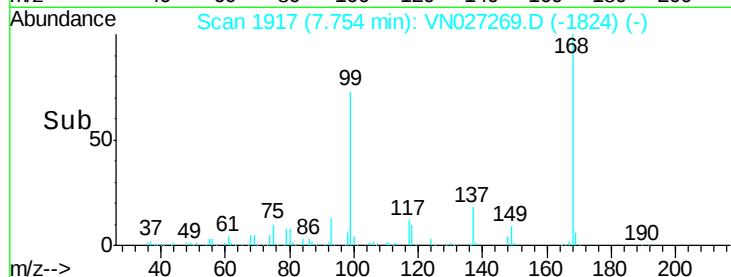
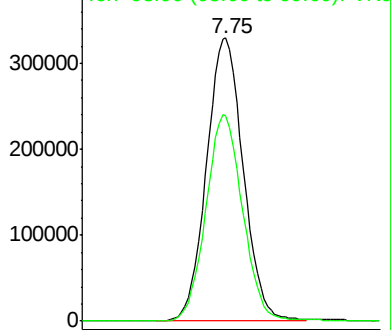
168 100

99 72.6 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: 1.32 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027269.D

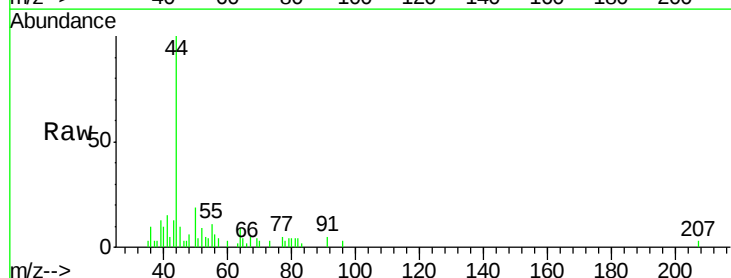
Acq: 17 Sep 2015 22:34

Tgt Ion: 50 Resp: 2233

Ion Ratio Lower Upper

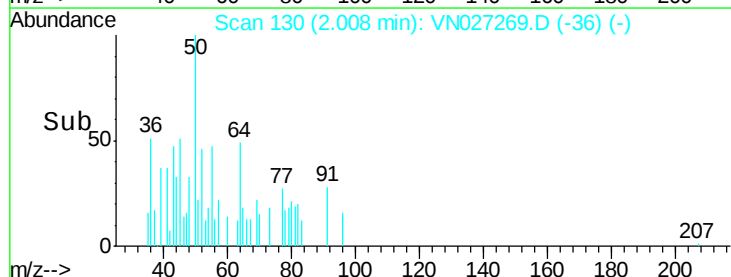
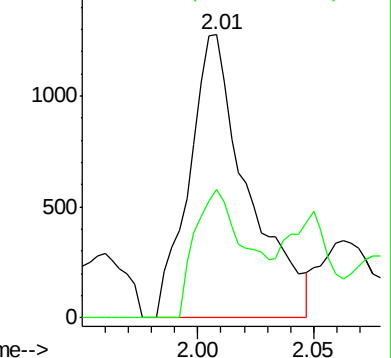
50 100

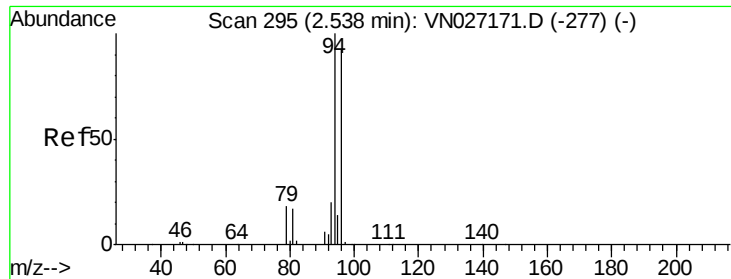
52 45.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#6

Bromomethane

Concen: 1.73 ug/l

RT: 2.55 min Scan# 298

Delta R.T. 0.01 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

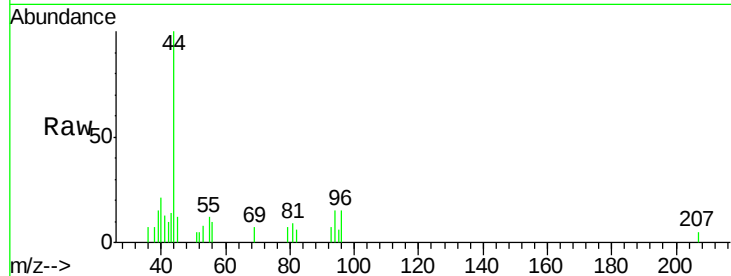
VN0917WBL03

Tgt Ion: 94 Resp: 737

Ion Ratio Lower Upper

94 100

96 94.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

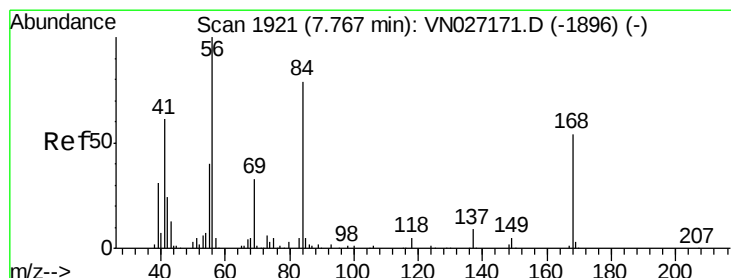
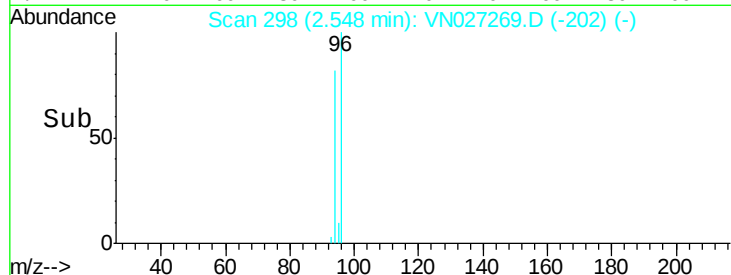
2.55

400

200

0

Time-->



#32

Cyclohexane

Concen: 0.29 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.02 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

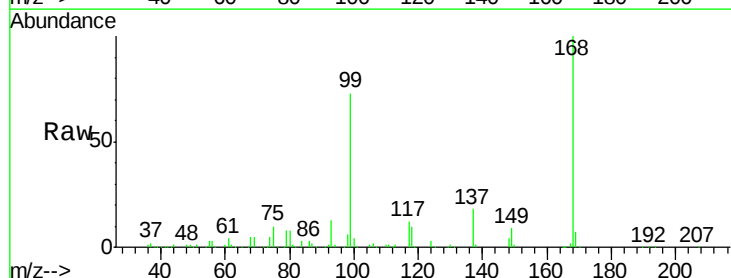
Tgt Ion: 56 Resp: 26492

Ion Ratio Lower Upper

56 100

69 145.7 23.0 34.4#

84 99.4 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

20000

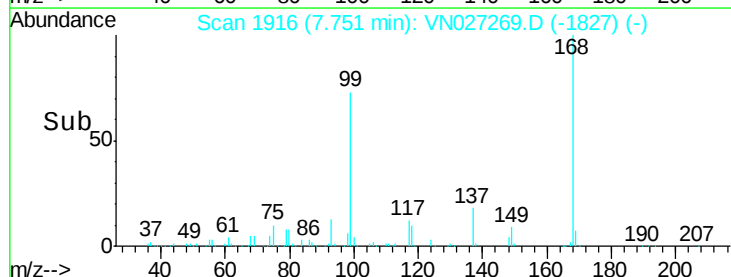
15000

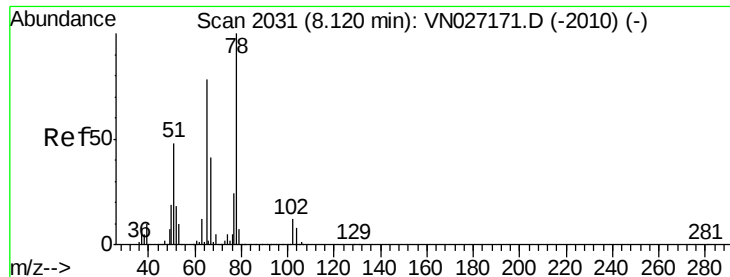
10000

5000

0

Time-->





#34

1,2-Dichloroethane-d4

Concen: 48.89 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

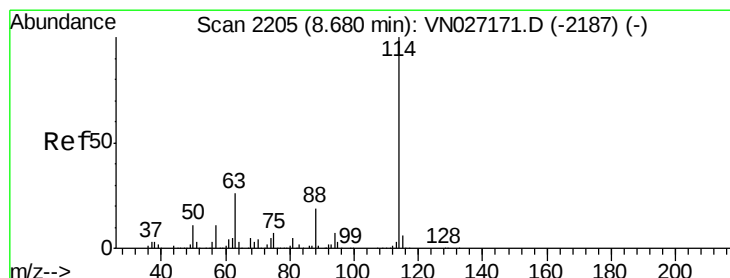
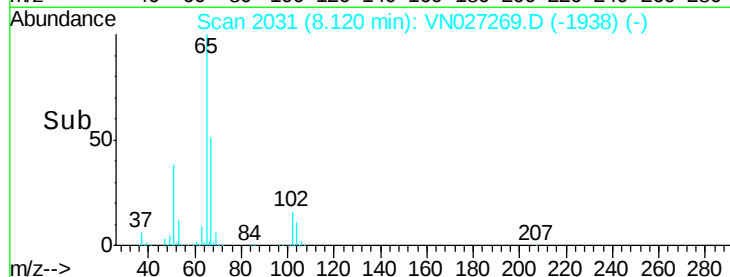
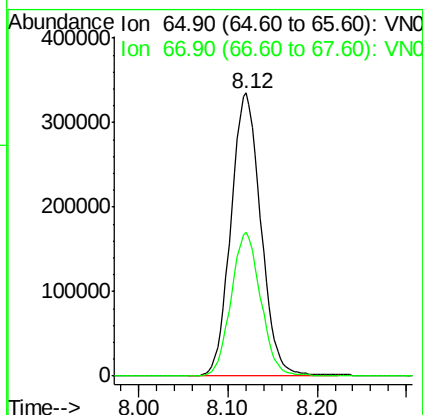
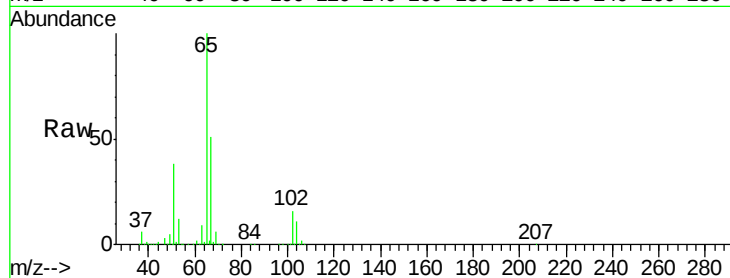
VN0917WBL03

Tgt Ion: 65 Resp: 781597

Ion Ratio Lower Upper

65 100

67 50.3 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: VN027269.D

Acq: 17 Sep 2015 22:34

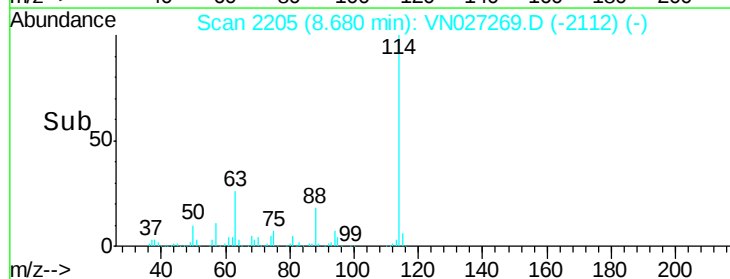
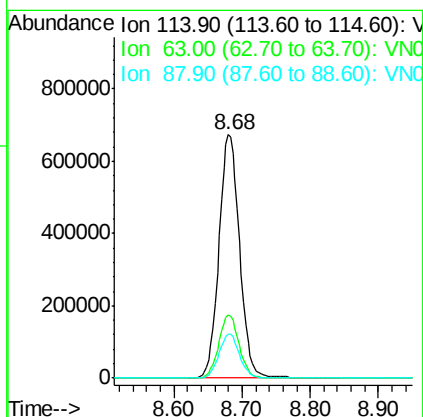
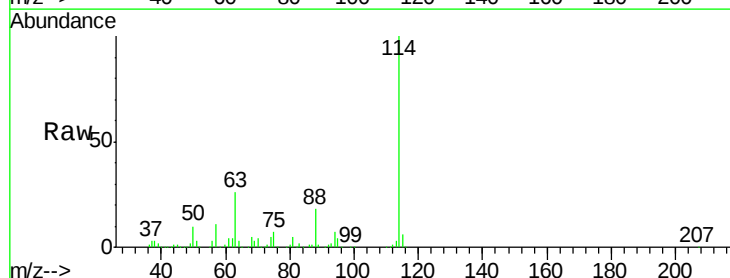
Tgt Ion: 114 Resp: 1409801

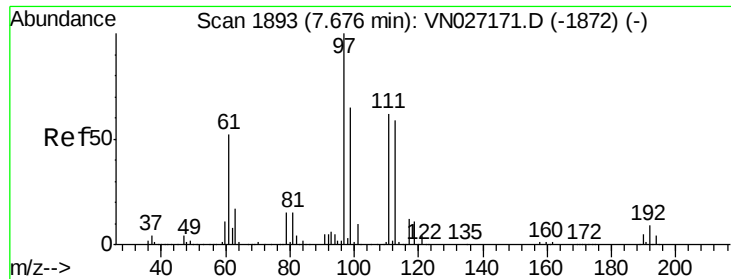
Ion Ratio Lower Upper

114 100

63 26.0 0.0 48.8

88 17.9 0.0 32.2

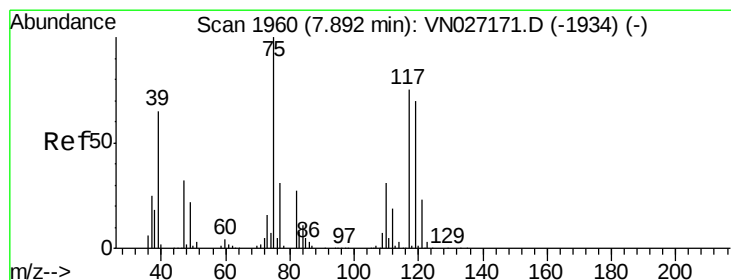
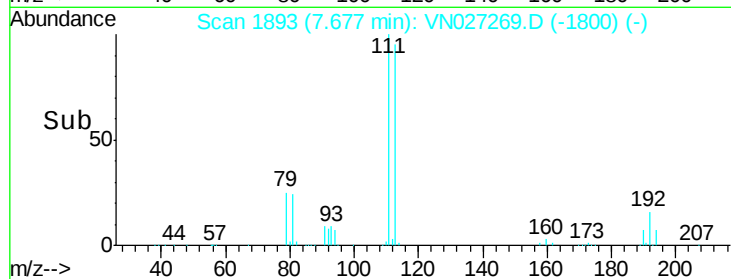
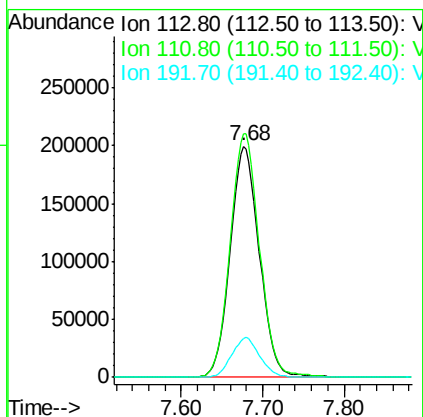
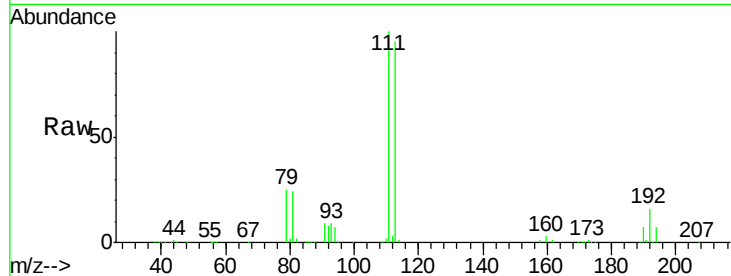




#36
 Dibromofluoromethane
 Concen: 50.92 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027269.D
 Acq: 17 Sep 2015 22:34

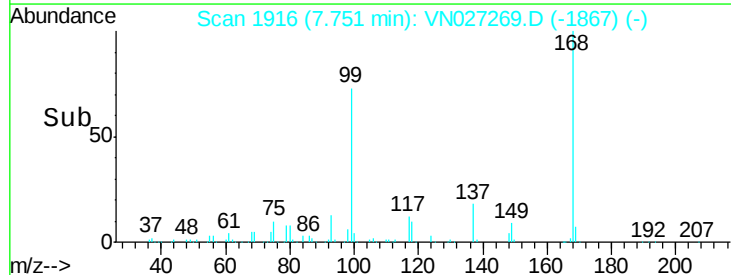
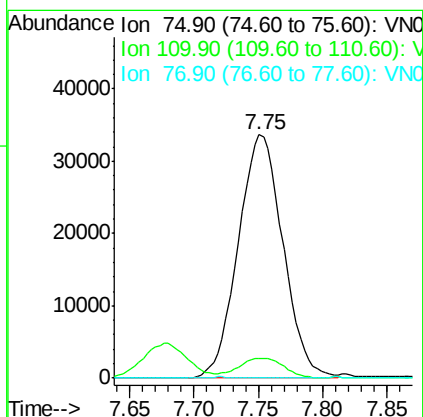
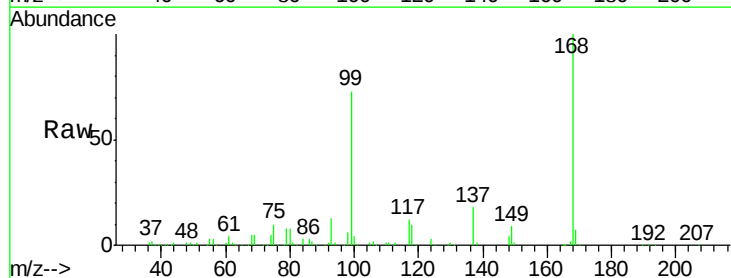
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBL03

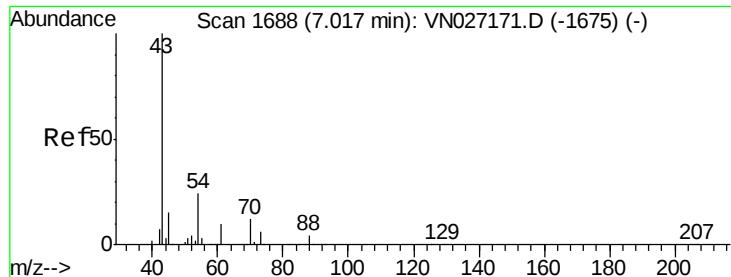
Tgt Ion: 113 Resp: 497621
 Ion Ratio Lower Upper
 113 100
 111 106.3 83.0 124.4
 192 16.7 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 4.93 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027269.D
 Acq: 17 Sep 2015 22:34

Tgt Ion: 75 Resp: 81418
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.9 47.7#
 77 0.0 24.9 37.3#

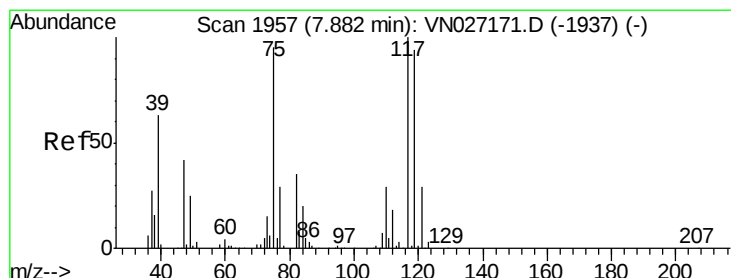
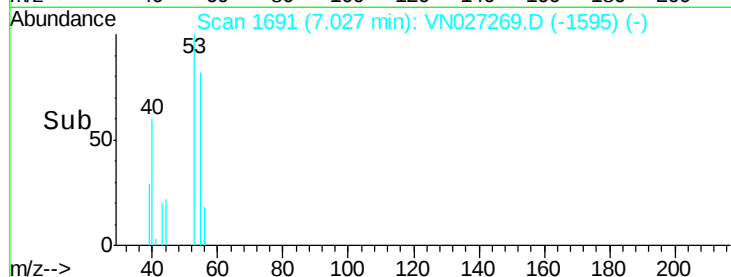
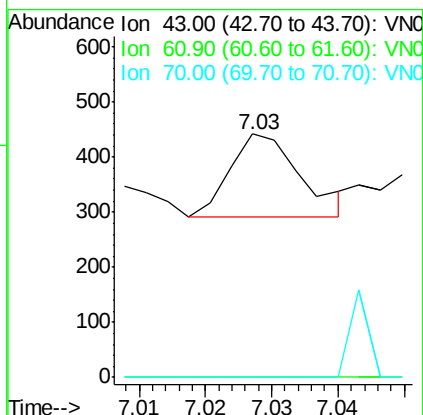
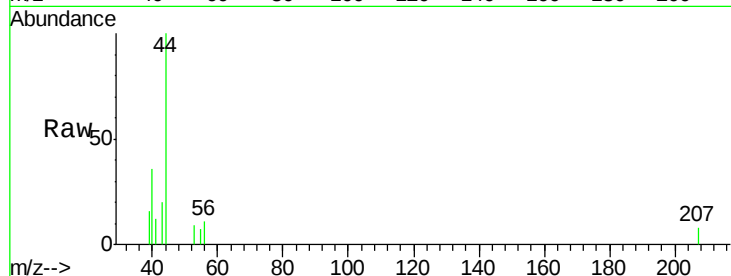




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.03 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN027269.D
Acq: 17 Sep 2015 22:34

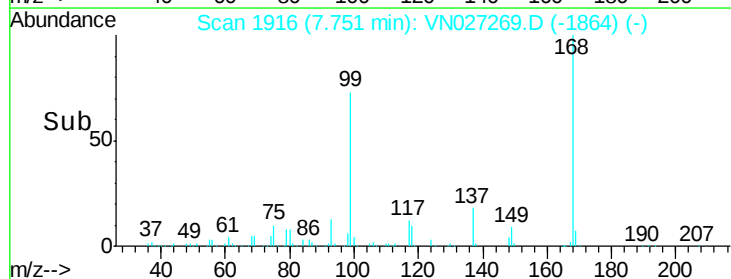
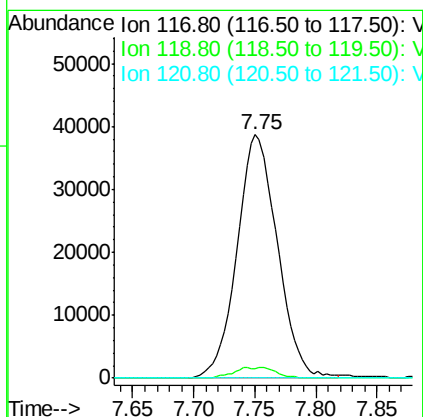
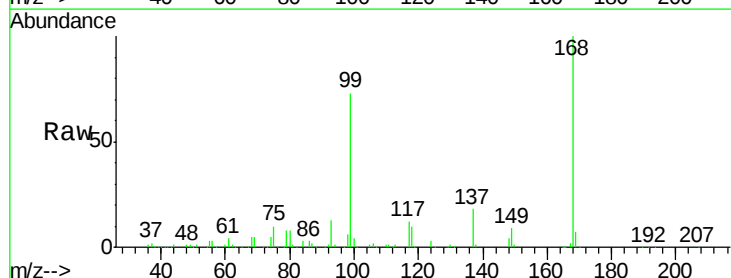
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL03

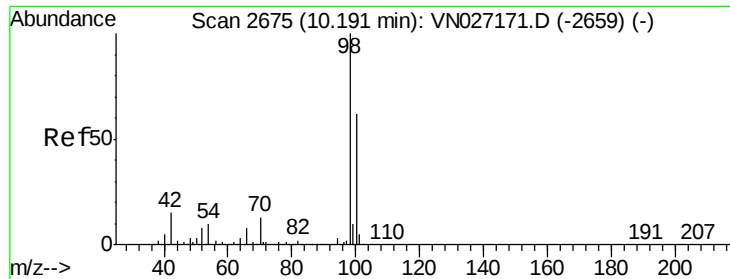
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027269.D
Acq: 17 Sep 2015 22:34

Tgt Ion: 117 Resp: 88403
Ion Ratio Lower Upper
117 100
119 3.9 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 54.01 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

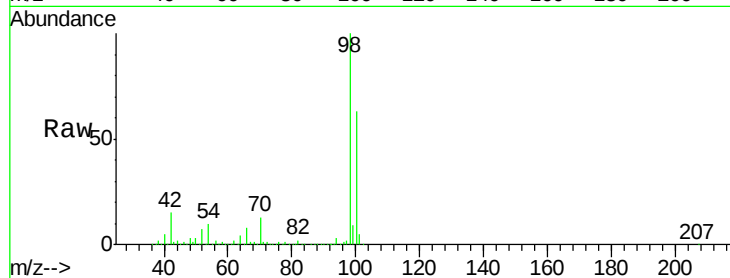
VN0917WBL03

Tgt Ion: 98 Resp: 2066591

Ion Ratio Lower Upper

98 100

100 62.7 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.19

1200000

1000000

800000

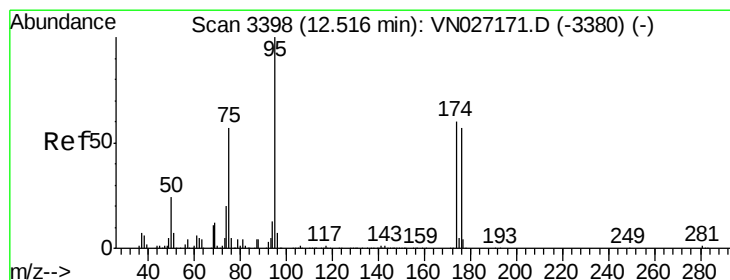
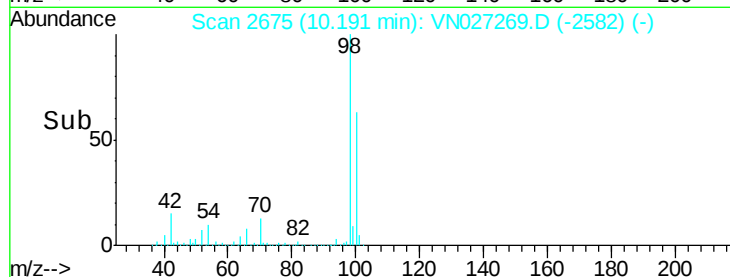
600000

400000

200000

0

Time-->



#63

4-Bromofluorobenzene

Concen: 50.54 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

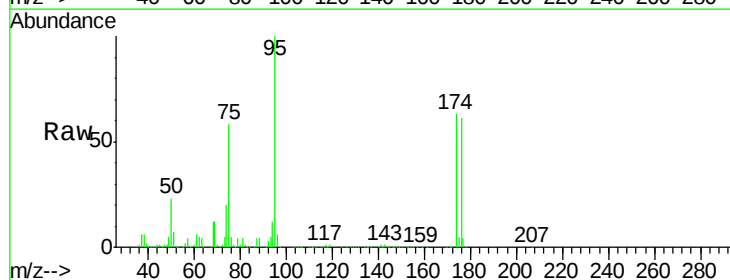
Tgt Ion: 95 Resp: 686417

Ion Ratio Lower Upper

95 100

174 62.3 0.0 137.0

176 60.4 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

500000

400000

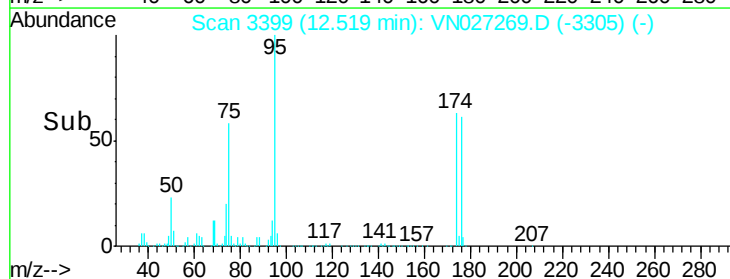
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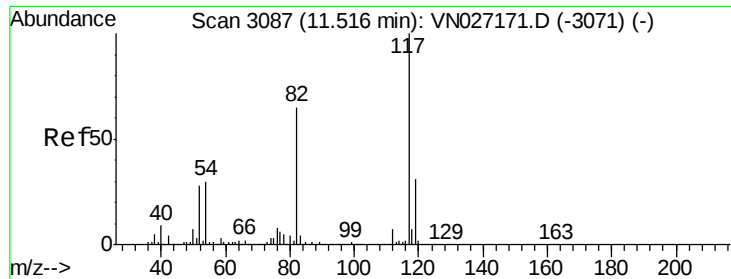
200000

100000

0

Time-->





#64

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL03

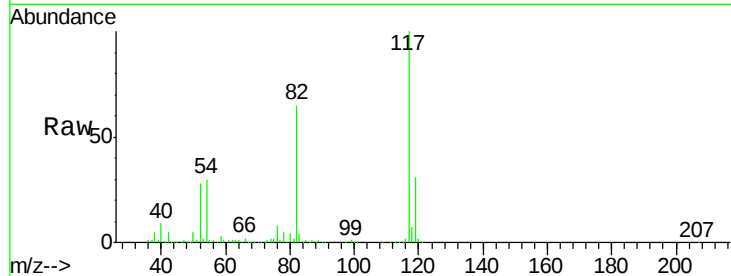
Tgt Ion:117 Resp: 1178692

Ion Ratio Lower Upper

117 100

82 65.0 49.6 74.4

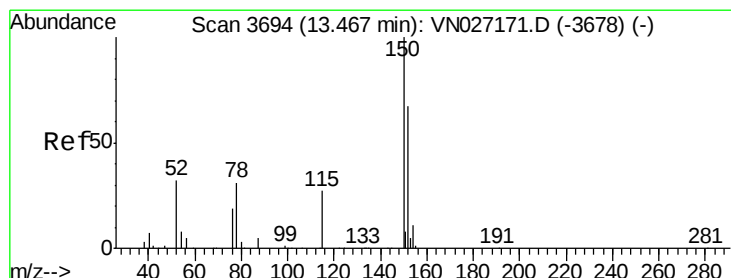
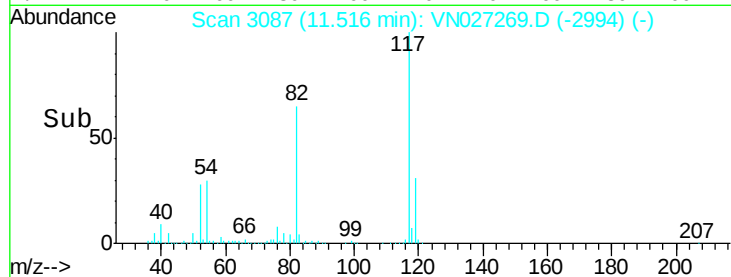
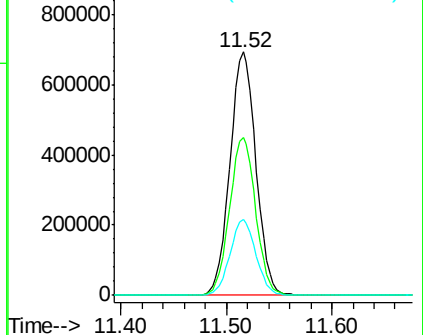
119 31.0 24.6 36.8



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: VN027269.D

Acq: 17 Sep 2015 22:34

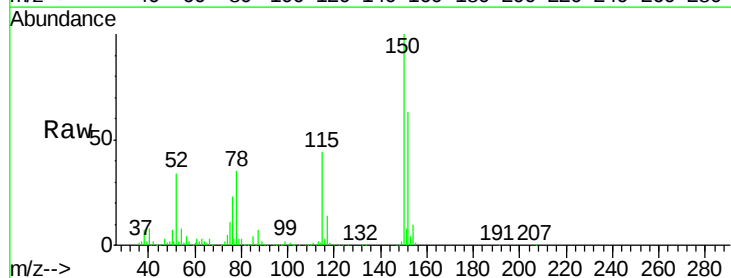
Tgt Ion:152 Resp: 413787

Ion Ratio Lower Upper

152 100

115 68.9 30.8 92.3

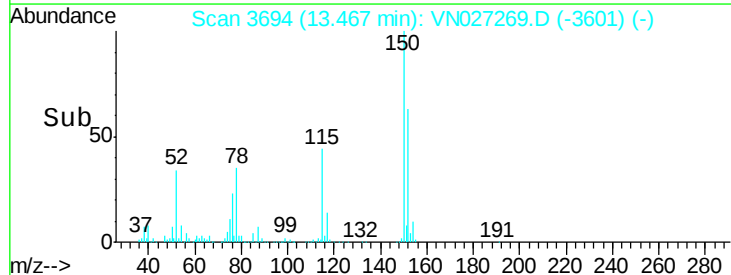
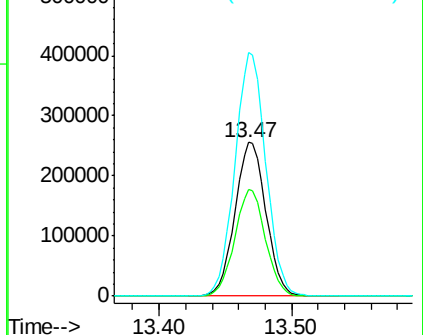
150 158.8 0.0 345.0

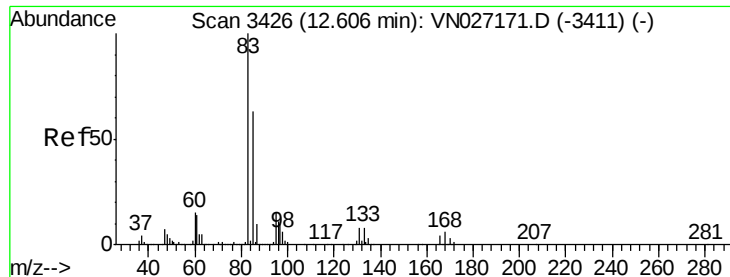


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.68 min Scan# 3448

Delta R.T. 0.07 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL03

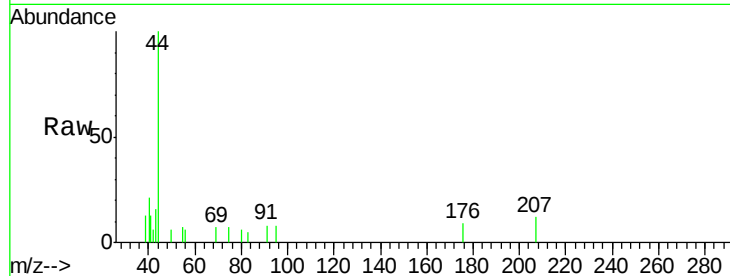
Tgt Ion: 83 Resp: 29

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

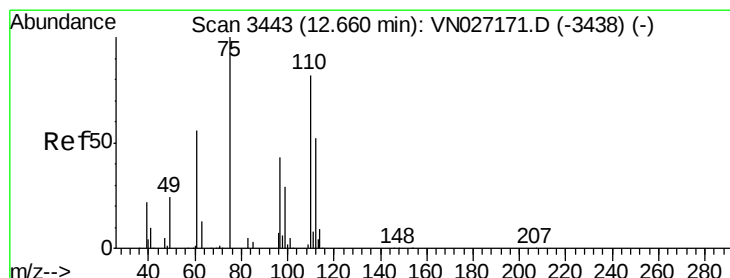
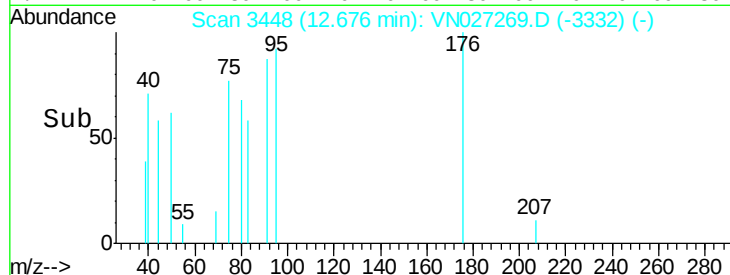
12.68

100

50

0

Time-->



#77

1,2,3-Trichloropropane

Concen: 31.86 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027269.D

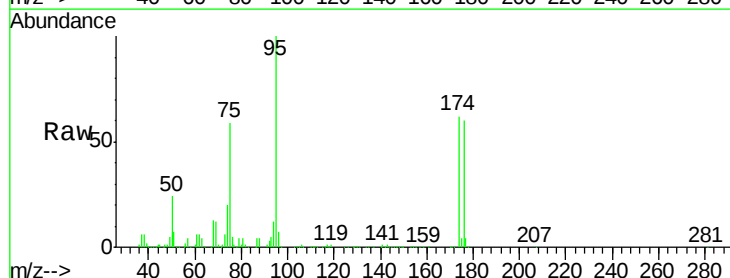
Acq: 17 Sep 2015 22:34

Tgt Ion: 75 Resp: 398401

Ion Ratio Lower Upper

75 100

77 1.1 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.52

250000

200000

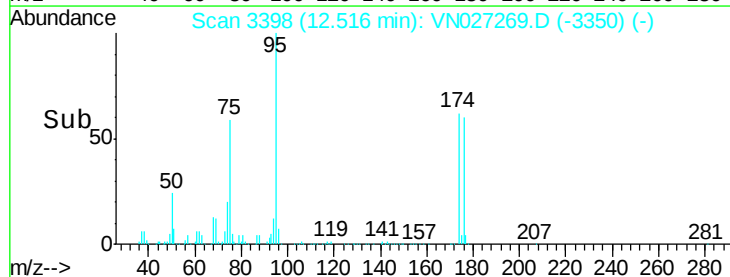
150000

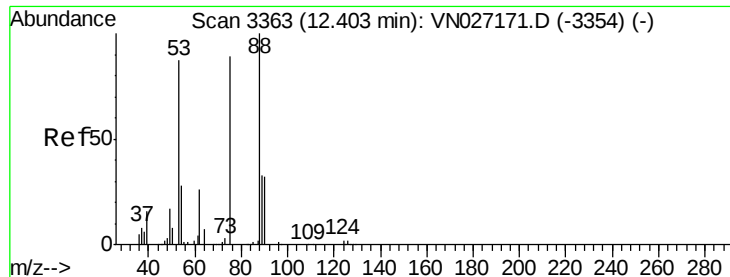
100000

50000

0

Time-->





#82

trans-1,4-Dichloro-2-butene

Concen: 78.25 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL03

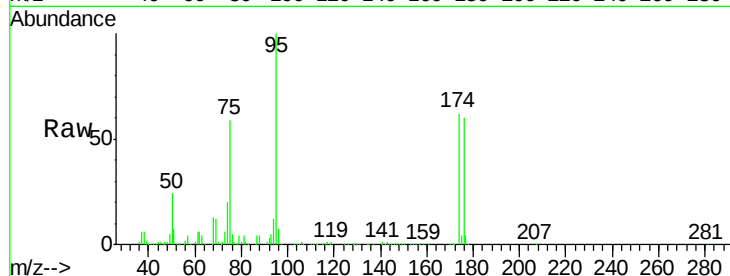
Tgt Ion: 75 Resp: 398401

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

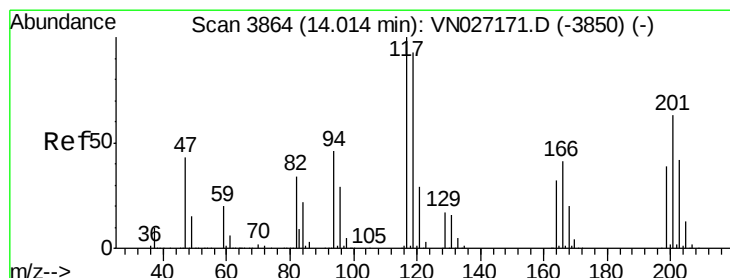
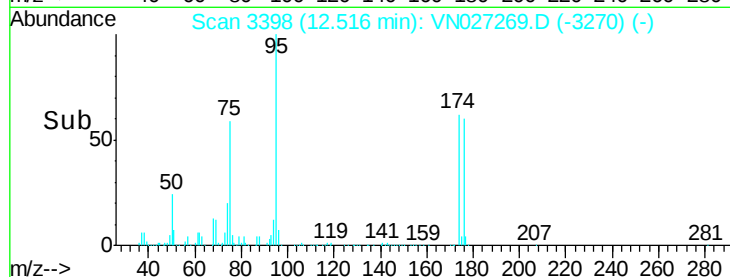
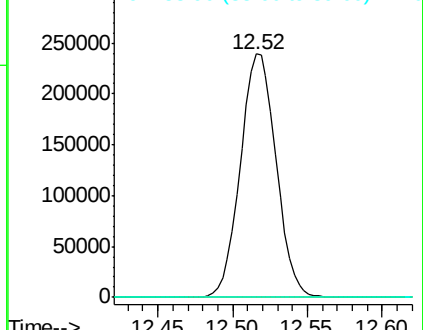
89 0.0 34.2 51.4#



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



#91

Hexachloroethane

Concen: 0.23 ug/l

RT: 13.77 min Scan# 3788

Delta R.T. -0.24 min

Lab File: VN027269.D

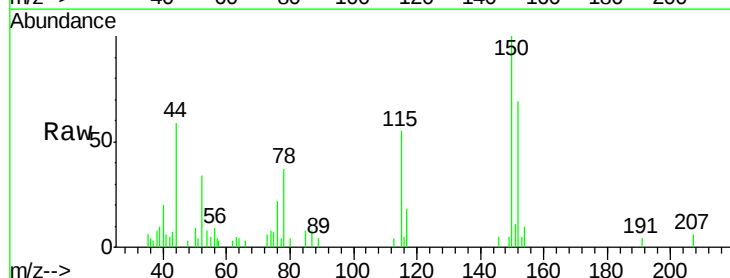
Acq: 17 Sep 2015 22:34

Tgt Ion: 117 Resp: 1730

Ion Ratio Lower Upper

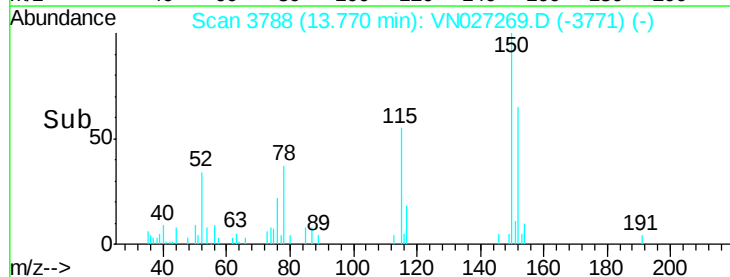
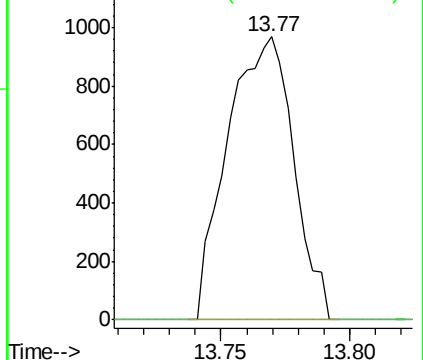
117 100

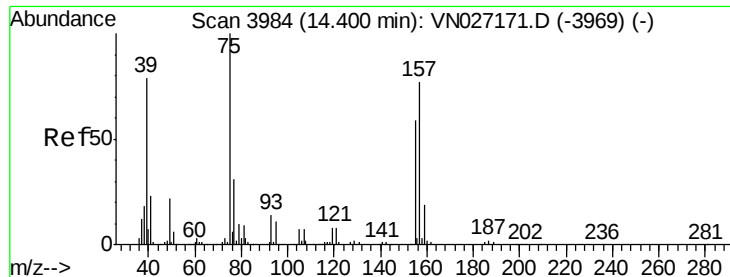
201 0.0 34.9 104.7#



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: 14.11 min Scan# 3893

Delta R.T. -0.29 min

Lab File: VN027269.D

Acq: 17 Sep 2015 22:34

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL03

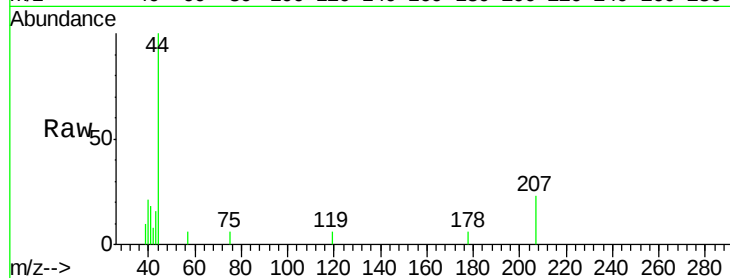
Tgt Ion: 75 Resp: 31

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

14.11

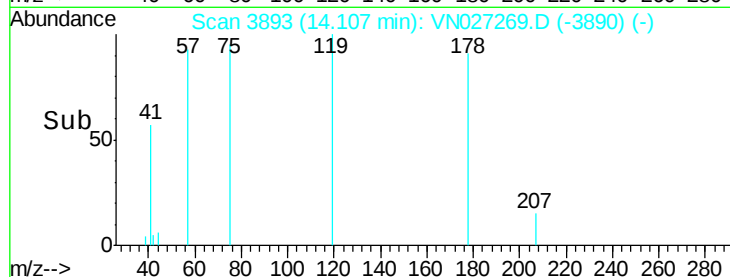
150

100

50

0

14.10 14.11 14.11 14.12



Time-->