

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049908.D
 Acq On : 19 Jul 2018 11:42
 Operator : MD\SY
 Sample : J3357-12DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1DL

Quant Time: Jul 19 14:02:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	696182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1003941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	855543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	410664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	413569	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	
35) Dibromofluoromethane	7.59	113	367898	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	
50) Toluene-d8	10.09	98	1407677	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.40	95	443575	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	

Target Compounds

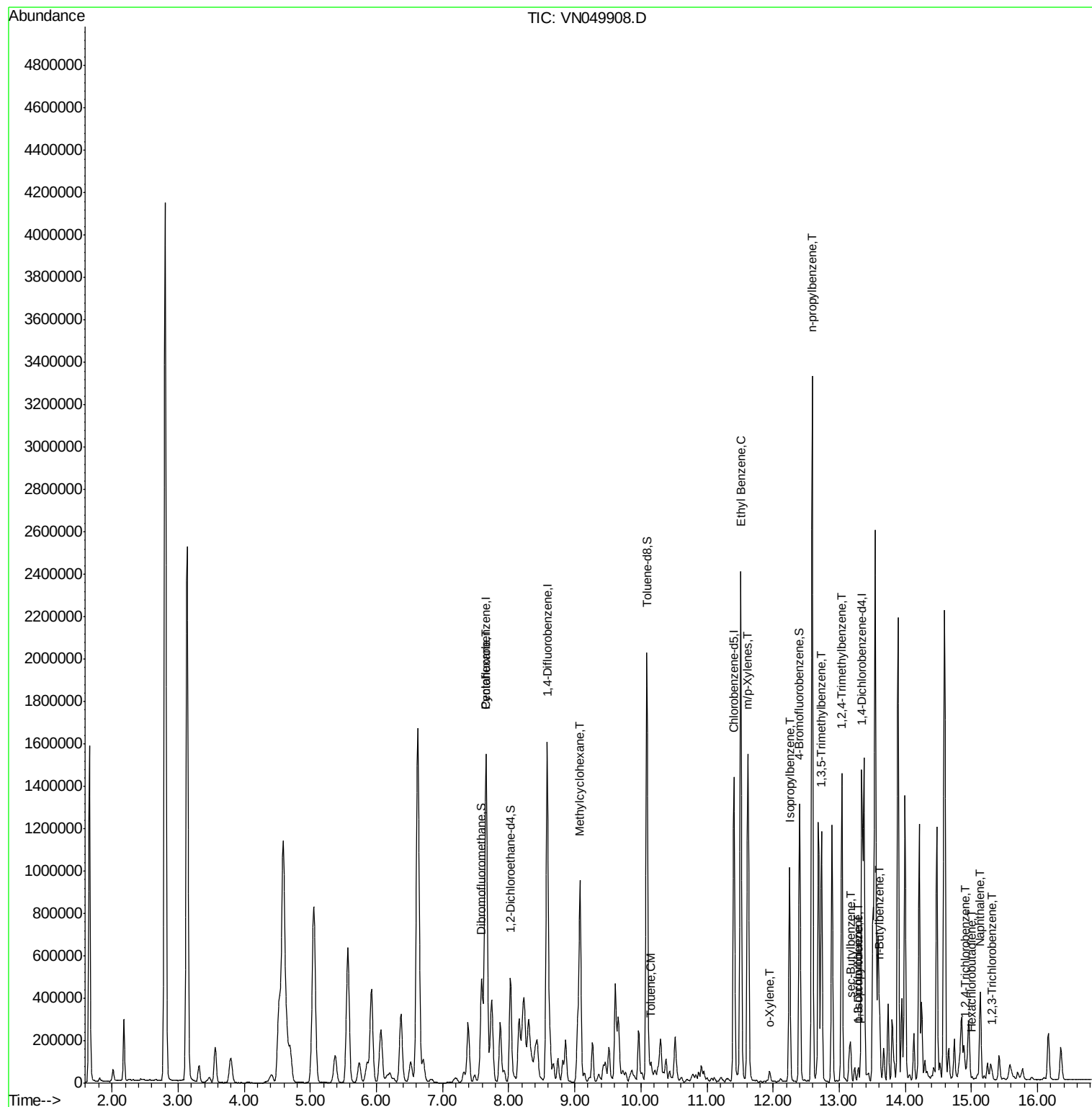
						Qvalue
31) Cyclohexane	7.65	56	519399	40.94	ug/l	97
39) Methylcyclohexane	9.08	83	422371	36.63	ug/l	98
52) Toluene	10.16	92	31445	1.55	ug/l	99
67) Ethyl Benzene	11.51	91	1741010	49.93	ug/l	100
68) m/p-Xylenes	11.62	106	512043	38.79	ug/l	100
69) o-Xylene	11.95	106	11737	0.93	ug/l	98
73) Isopropylbenzene	12.25	105	652731	20.93	ug/l	100
78) n-propylbenzene	12.59	91	2628871	74.13	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	641015	25.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	828765	32.72	ug/l	100
85) sec-Butylbenzene	13.17	105	112812	3.89	ug/l	100
86) p-Isopropyltoluene	13.29	119	31230	1.26	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3208	0.21	ug/l #	76
89) n-Butylbenzene	13.62	91	199922	9.79	ug/l #	72
93) 1,2,4-Trichlorobenzene	14.91	180	7917	4.38	ug/l #	85
94) Hexachlorobutadiene	15.01	225	2402	0.50	ug/l	96
95) Naphthalene	15.13	128	353798	21.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	7260	1.03	ug/l #	86

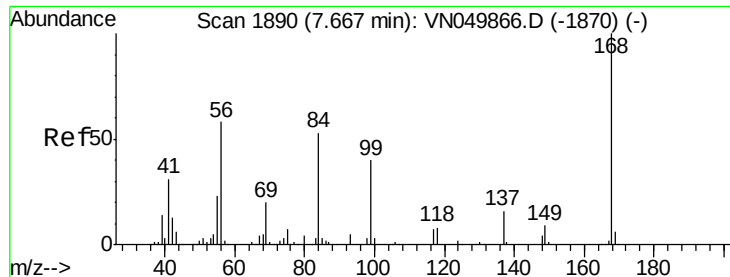
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampleId :

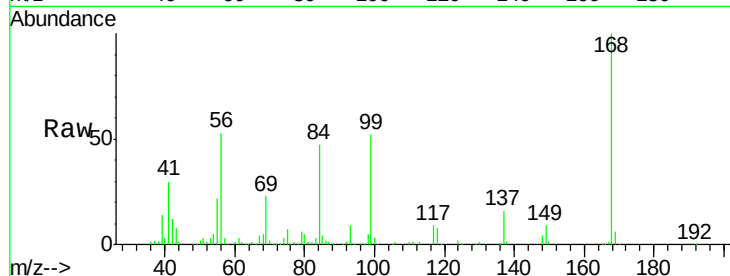
MW1DL

Tot Ion:168 Resp: 696182

Ion Ratio Lower Upper

168 100

99 52.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

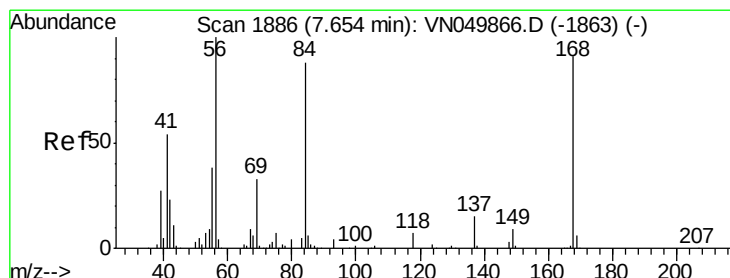
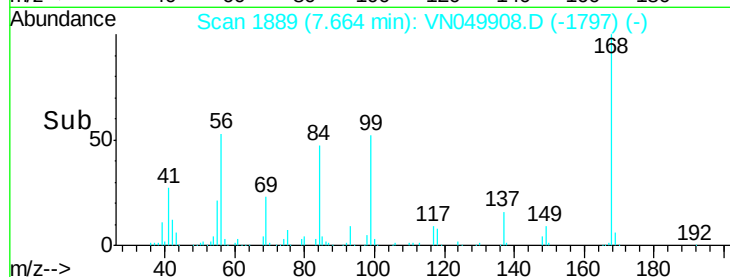
300000

200000

100000

0

Time-->



#31

Cyclohexane

Concen: 40.94 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

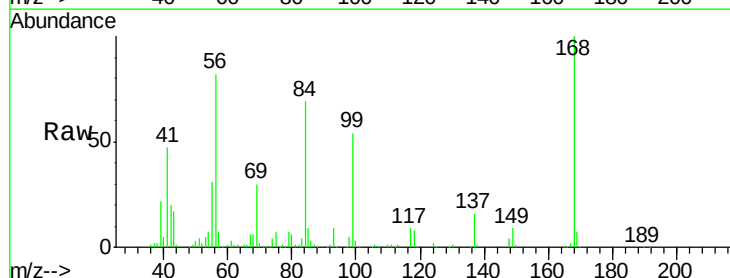
Tgt Ion: 56 Resp: 519399

Ion Ratio Lower Upper

56 100

69 36.0 26.6 40.0

84 84.1 69.0 103.6



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

7.65

250000

200000

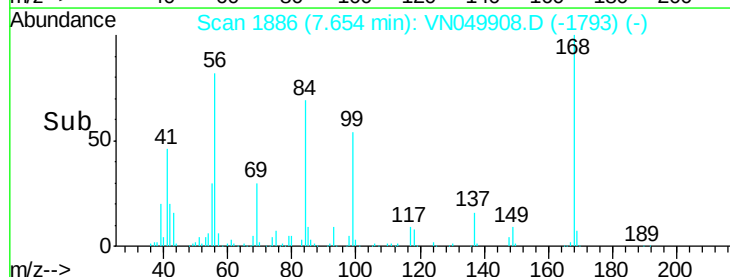
150000

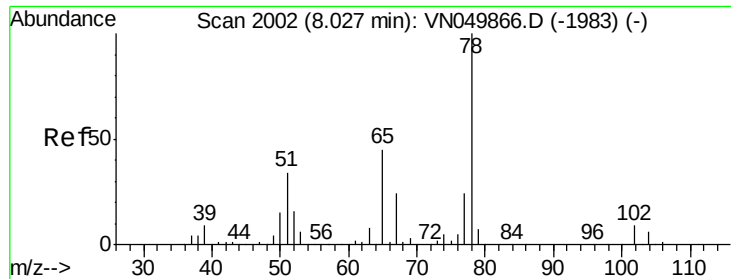
100000

50000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 43.22 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampled :

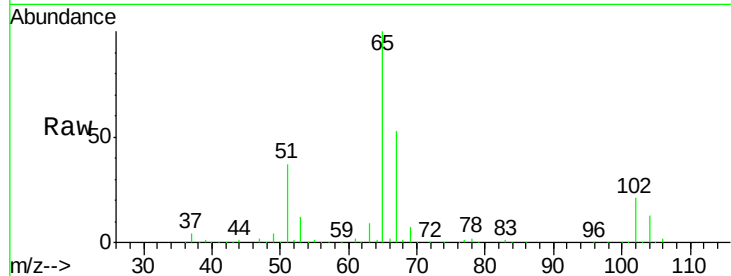
MW1DL

Tot Ion: 65 Resp: 413569

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049908.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049908.D (-1909) (-)

8.03

200000

150000

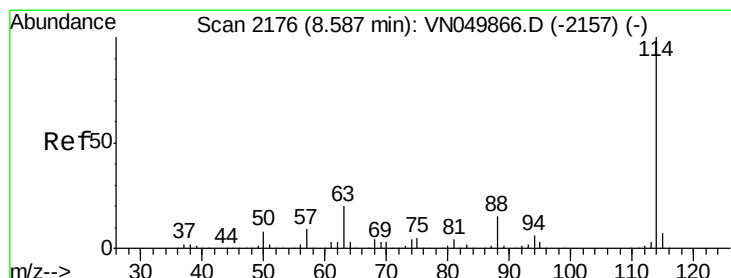
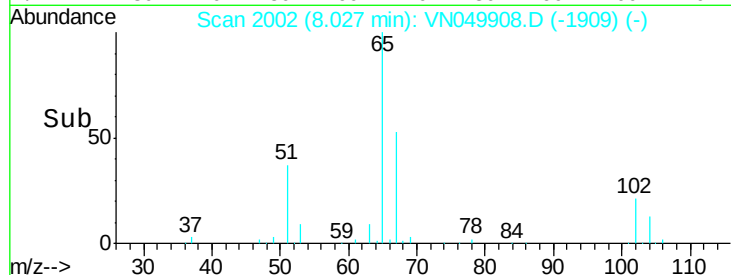
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.58 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

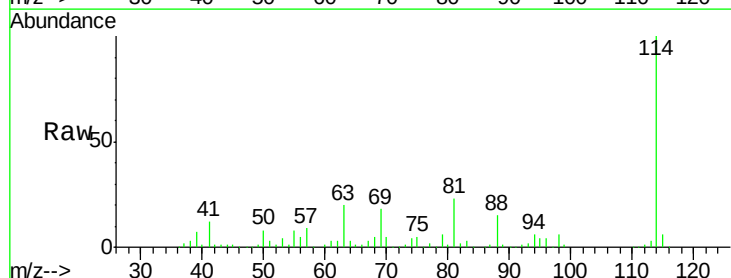
Tgt Ion: 114 Resp: 1003941

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.8

88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049908.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049908.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049908.D (-2083) (-)

8.58

600000

500000

400000

300000

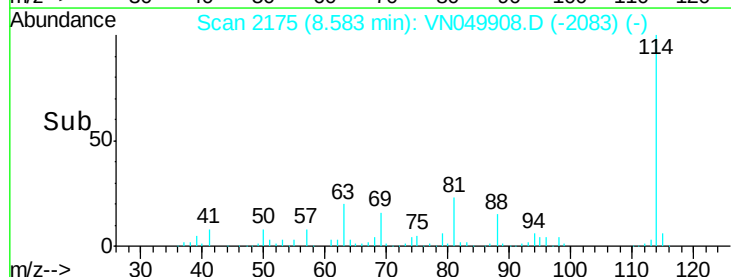
200000

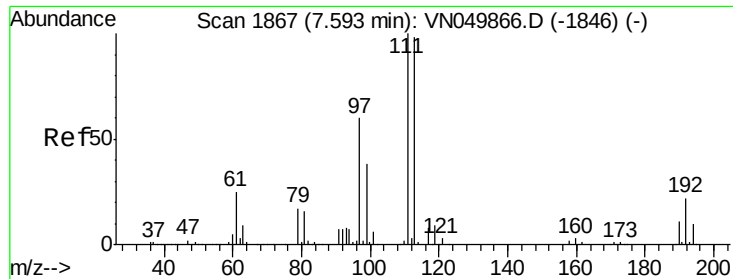
100000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 43.65 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampleId :

MW1DL

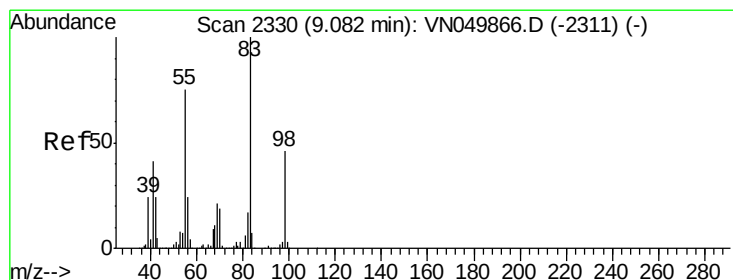
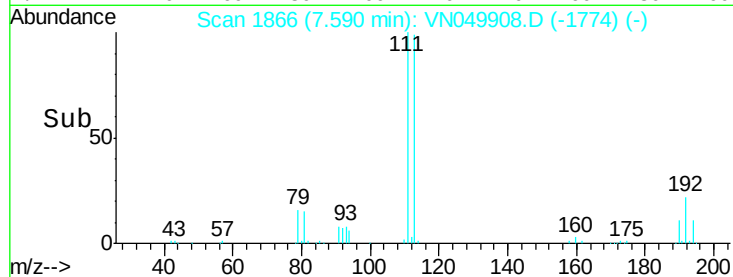
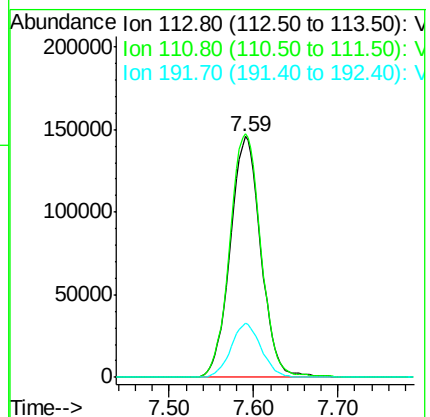
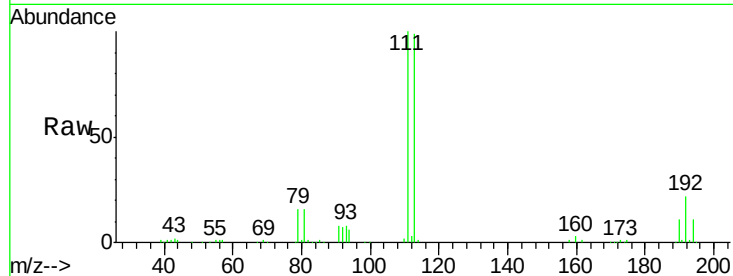
Tot Ion:113 Resp: 367898

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

192 22.1 17.8 26.6



#39

Methylcyclohexane

Concen: 36.63 ug/l

RT: 9.08 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

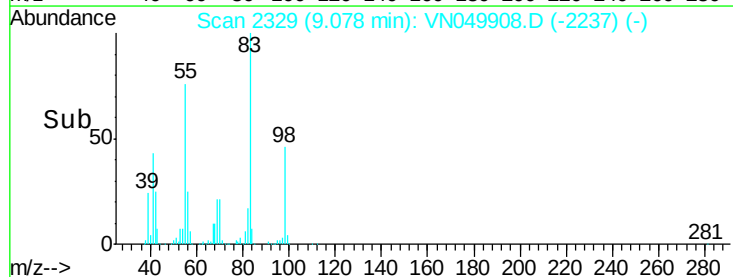
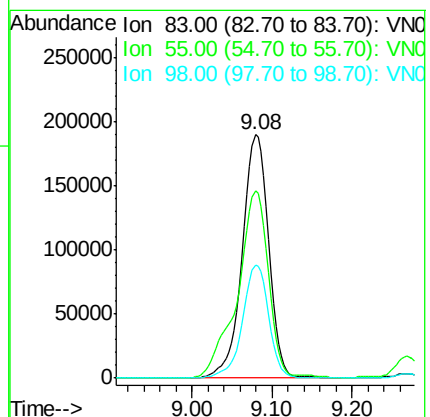
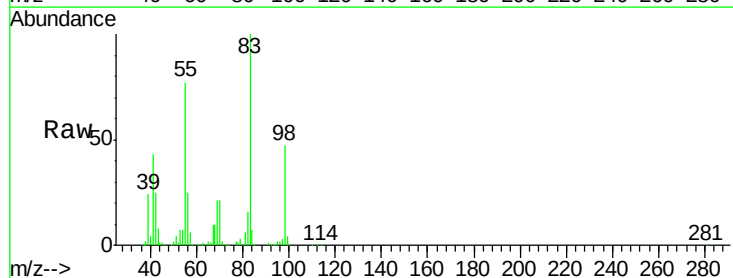
Tgt Ion: 83 Resp: 422371

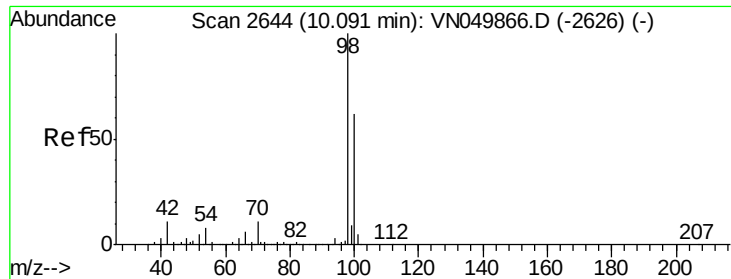
Ion Ratio Lower Upper

83 100

55 76.7 59.7 89.5

98 46.5 36.5 54.7





#50

Toluene-d8

Concen: 45.84 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampleId :

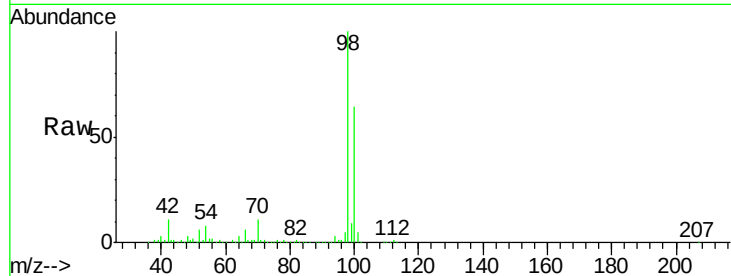
MW1DL

Tot Ion: 98 Resp: 1407677

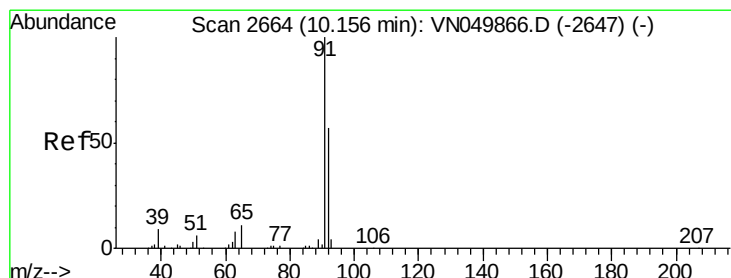
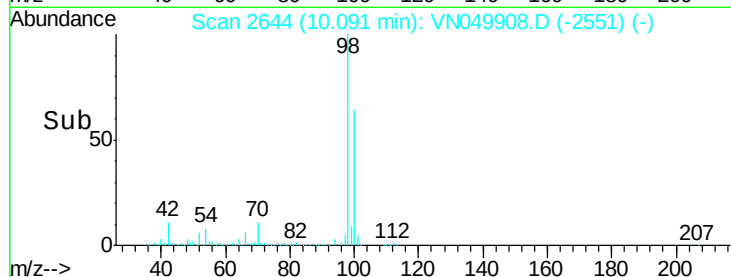
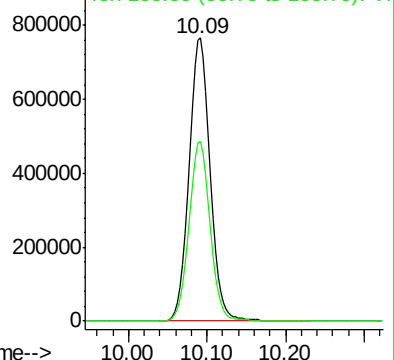
Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049908.D (-2551) (-)



#52

Toluene

Concen: 1.55 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049908.D

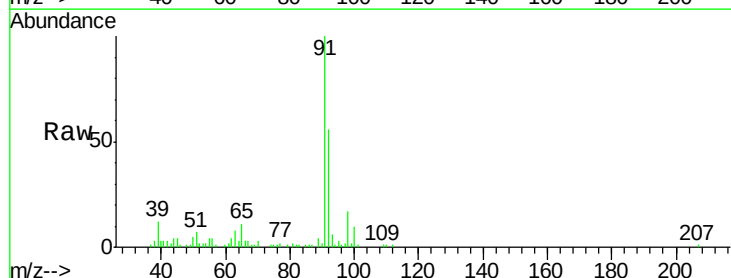
Acq: 19 Jul 2018 11:42

Tgt Ion: 92 Resp: 31445

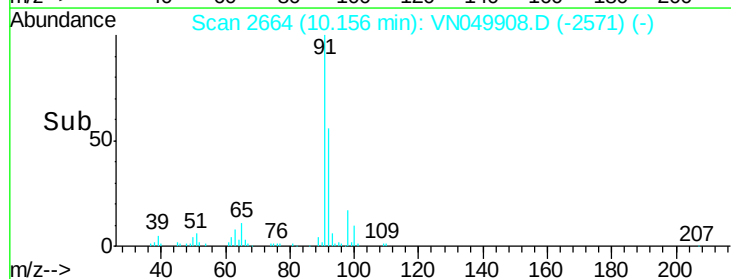
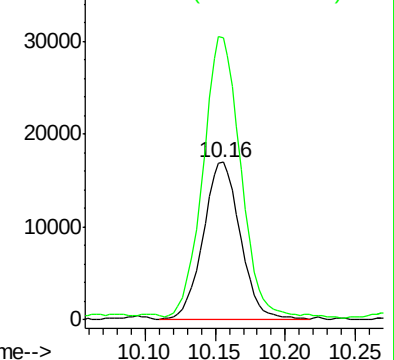
Ion Ratio Lower Upper

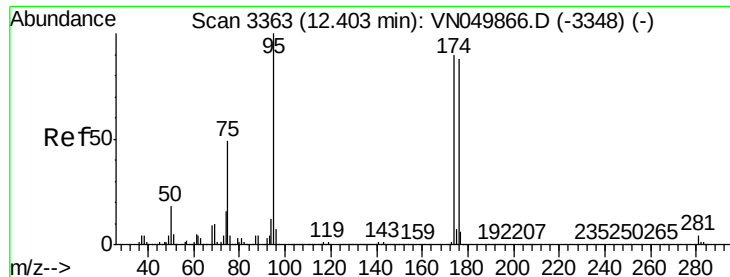
92 100

91 176.7 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN049908.D (-2571) (-)

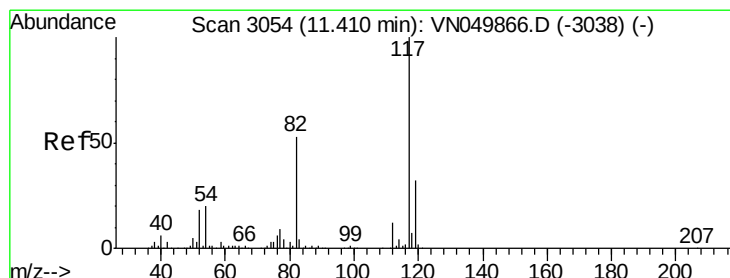
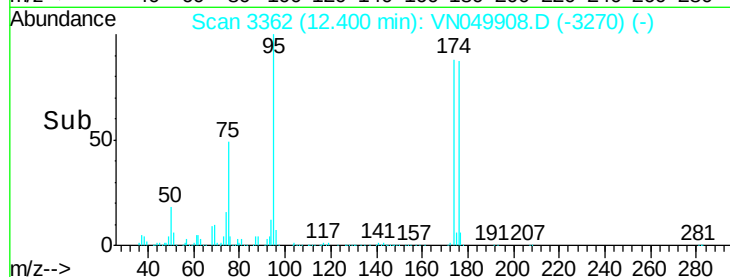
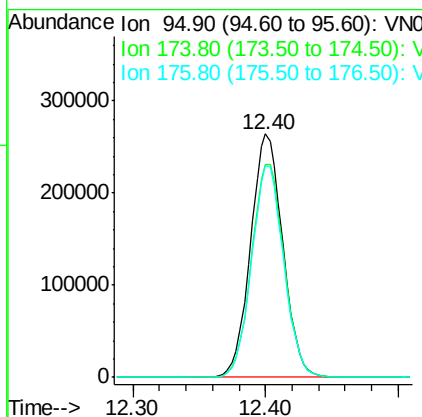
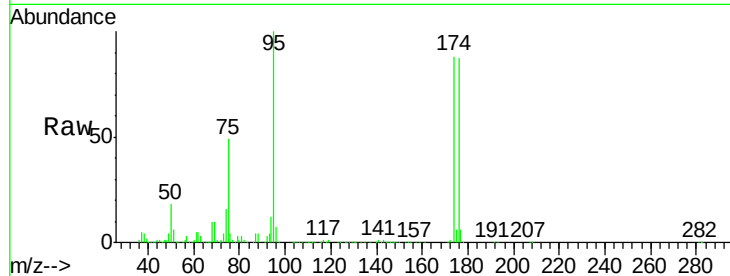




#62
4-Bromofluorobenzene
Concen: 41.94 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN049908.D
Acq: 19 Jul 2018 11:42

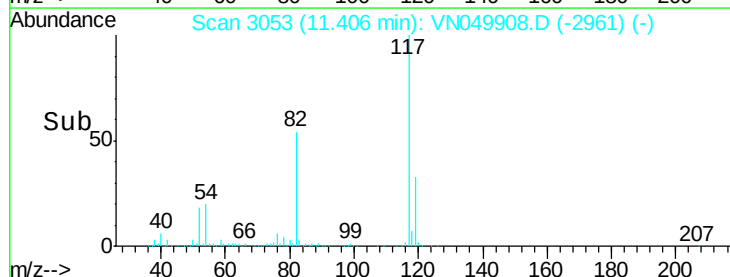
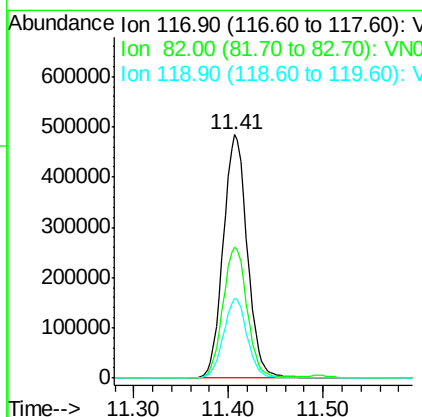
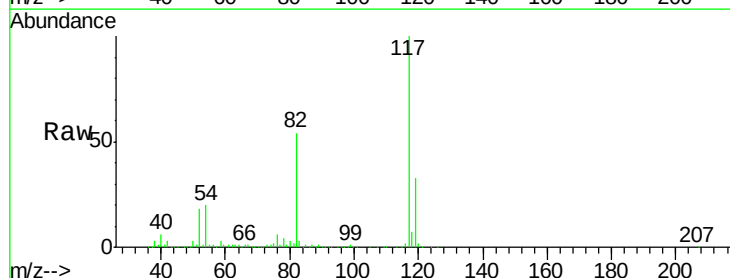
Instrument :
MSVOA_N
ClientSampleId :
MW1DL

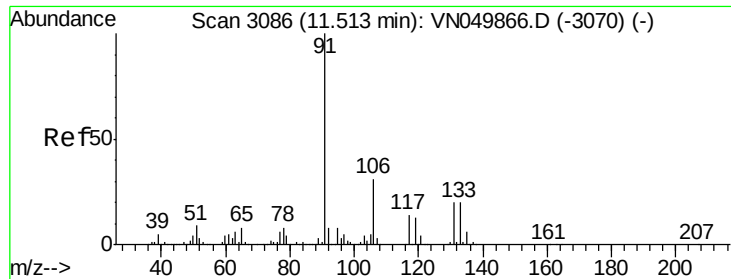
Tot Ion: 95 Resp: 443575
Ion Ratio Lower Upper
95 100
174 89.3 0.0 179.6
176 86.8 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049908.D
Acq: 19 Jul 2018 11:42

Tgt Ion: 117 Resp: 855543
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 32.7 25.4 38.2





#67

Ethyl Benzene

Concen: 49.93 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampleId :

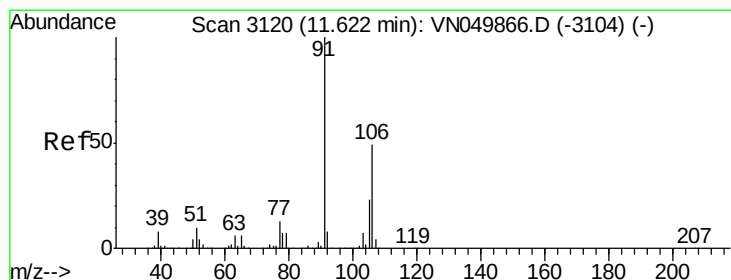
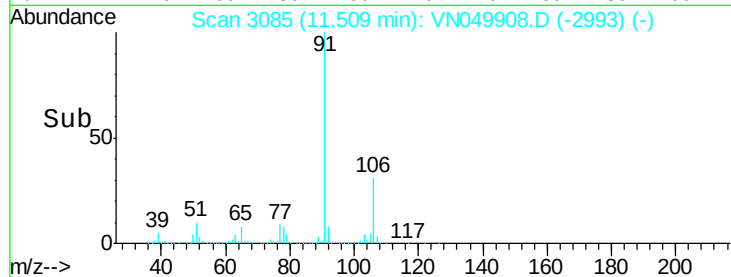
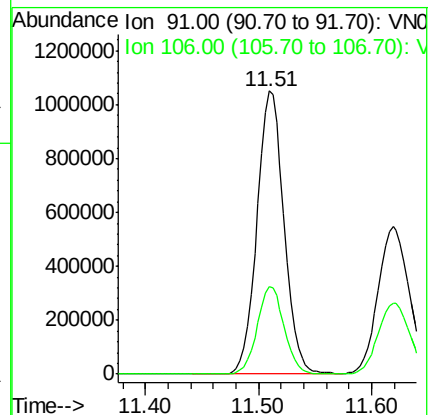
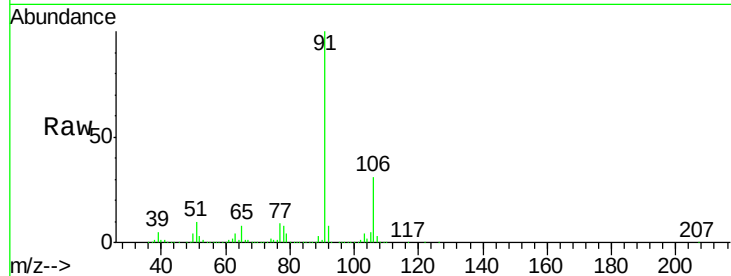
MW1DL

Tot Ion: 91 Resp: 1741010

Ion Ratio Lower Upper

91 100

106 31.0 24.8 37.2



#68

m/p-Xylenes

Concen: 38.79 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049908.D

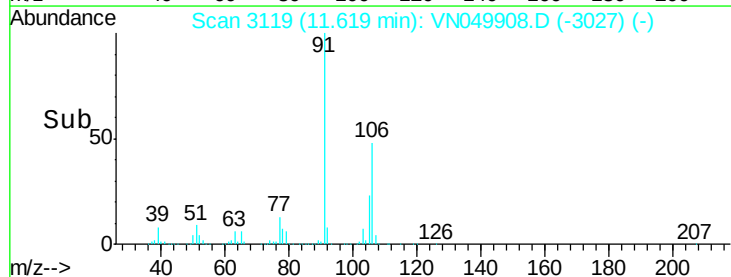
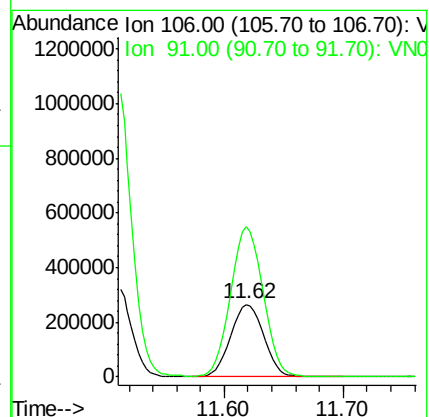
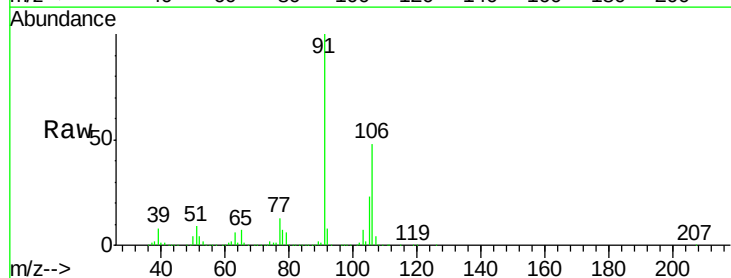
Acq: 19 Jul 2018 11:42

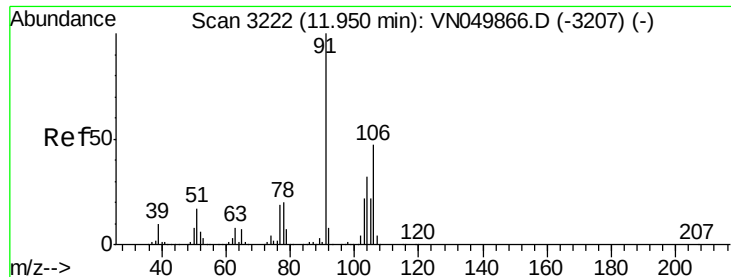
Tgt Ion: 106 Resp: 512043

Ion Ratio Lower Upper

106 100

91 204.0 163.4 245.2

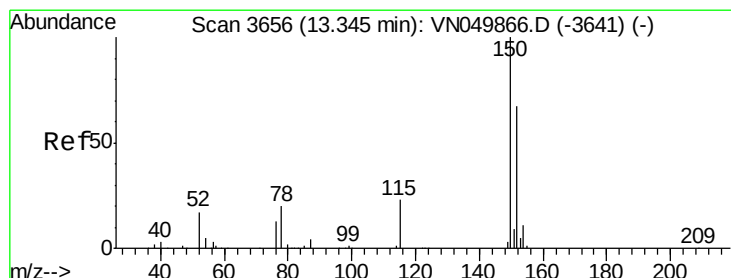
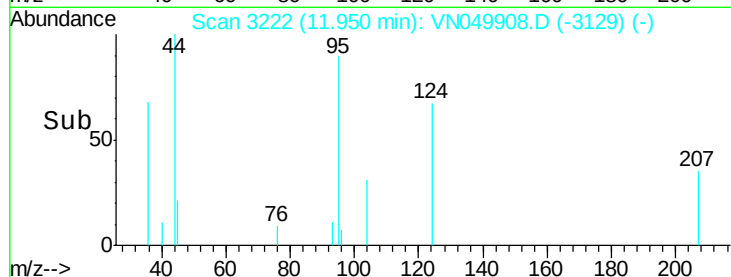
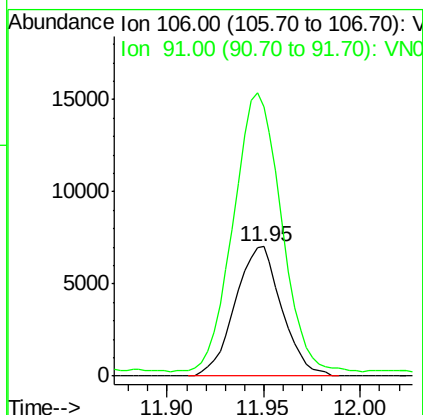
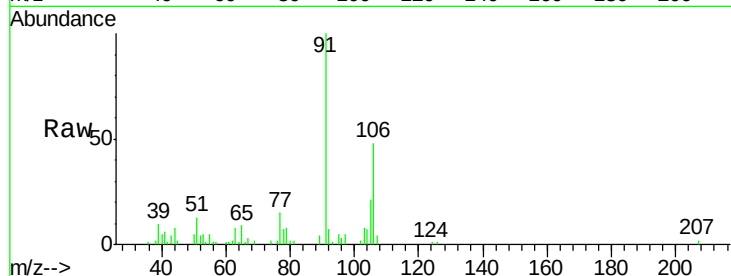




#69
o-Xylene
Concen: 0.93 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049908.D
Acq: 19 Jul 2018 11:42

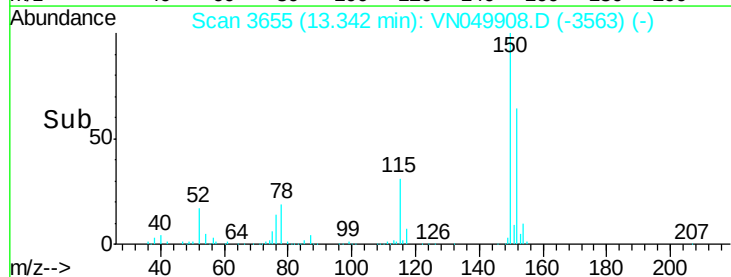
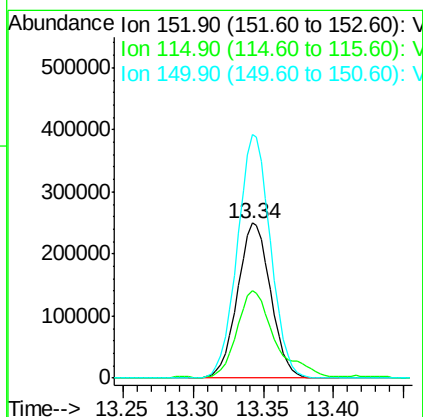
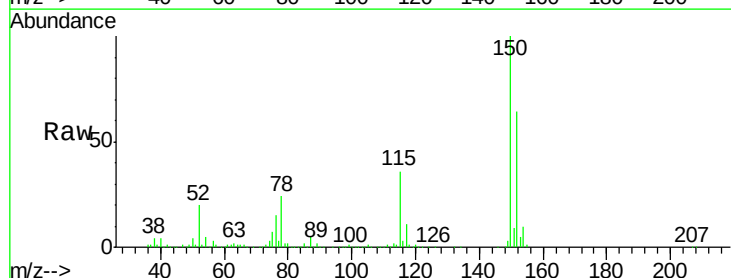
Instrument :
MSVOA_N
ClientSampled :
MW1DL

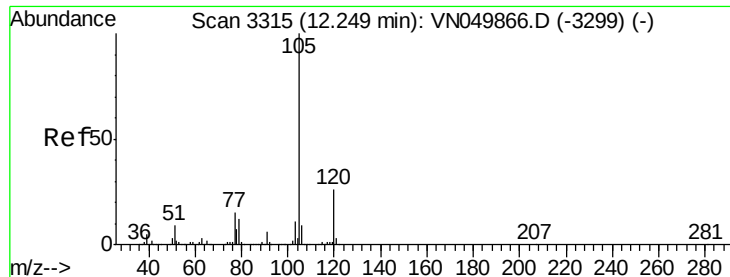
Tot Ion:106 Resp: 11737
Ion Ratio Lower Upper
106 100
91 220.0 108.7 326.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN049908.D
Acq: 19 Jul 2018 11:42

Tgt Ion:152 Resp: 410664
Ion Ratio Lower Upper
152 100
115 63.5 28.1 84.2
150 157.1 0.0 347.6





#73

Isopropylbenzene

Concen: 20.93 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampled :

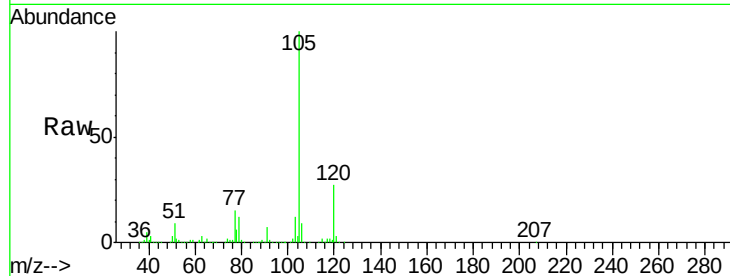
MW1DL

Tot Ion:105 Resp: 652731

Ion Ratio Lower Upper

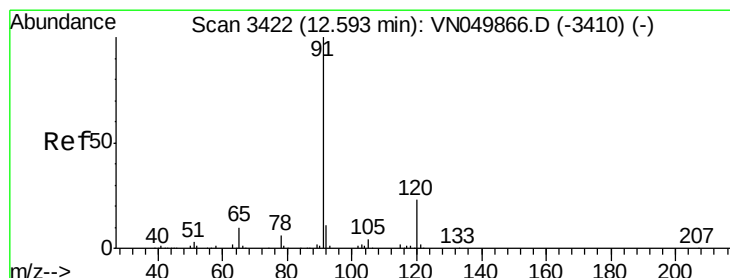
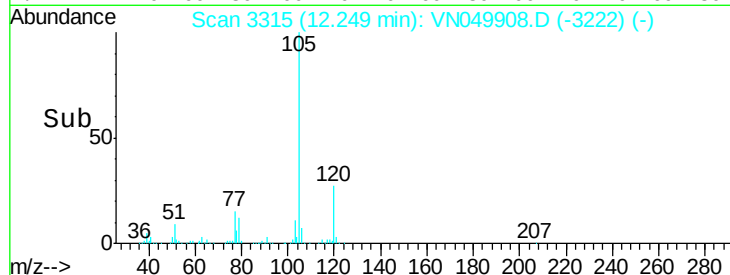
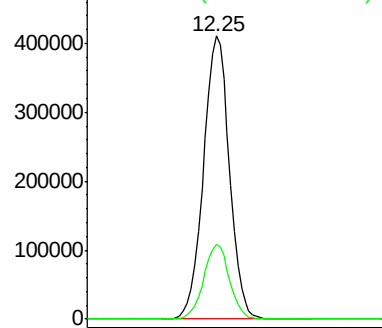
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 74.13 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049908.D

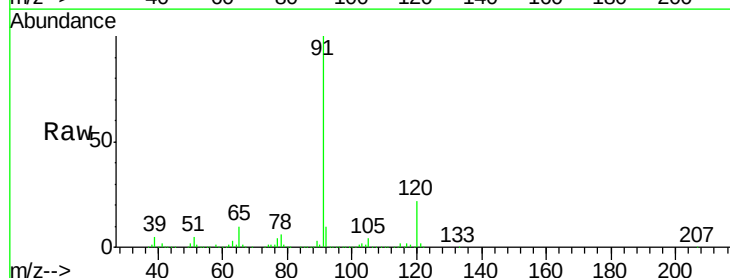
Acq: 19 Jul 2018 11:42

Tgt Ion: 91 Resp: 2628871

Ion Ratio Lower Upper

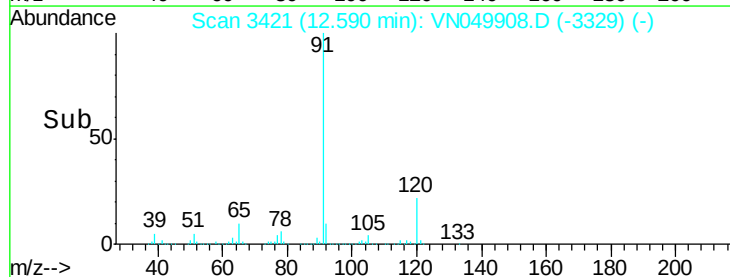
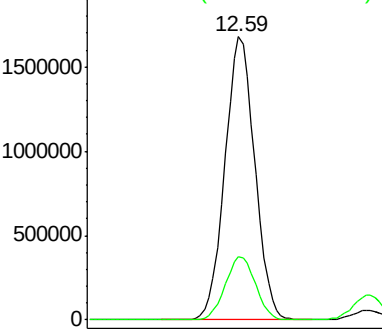
91 100

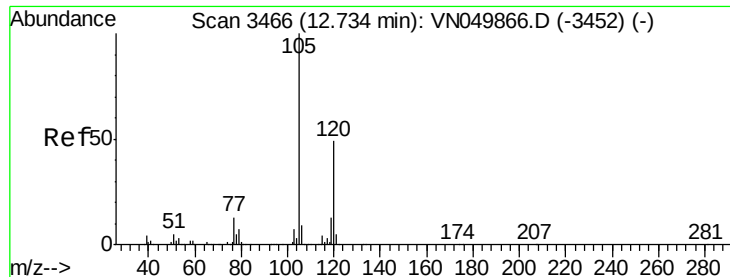
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 25.64 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampleId :

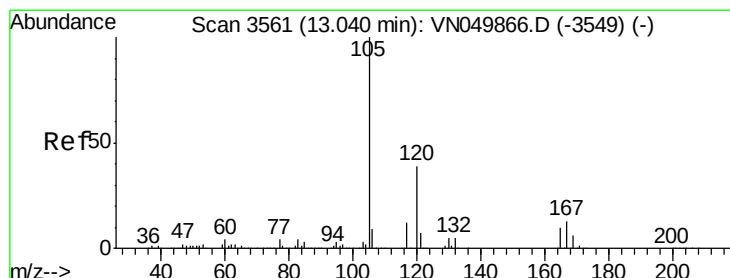
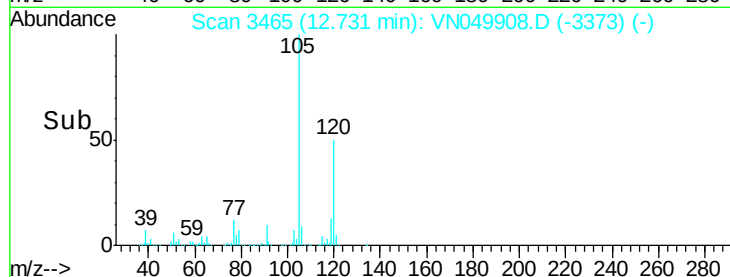
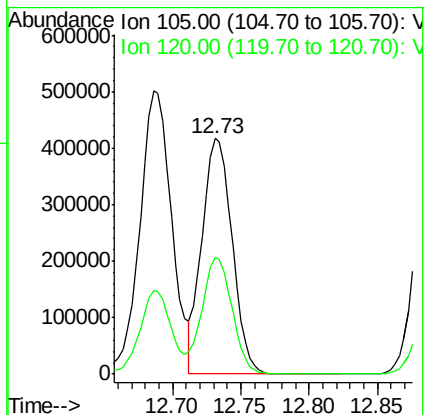
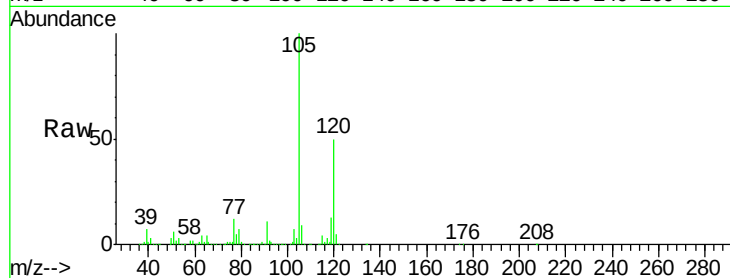
MW1DL

Tot Ion:105 Resp: 641015

Ion Ratio Lower Upper

105 100

120 50.0 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 32.72 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049908.D

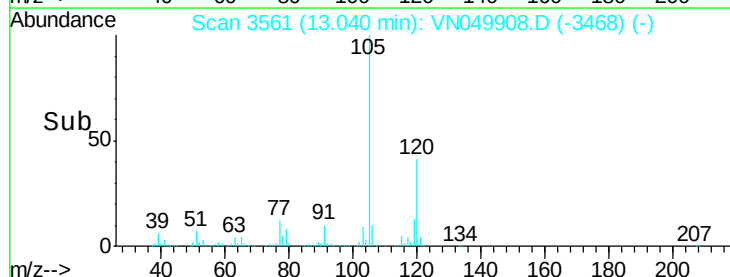
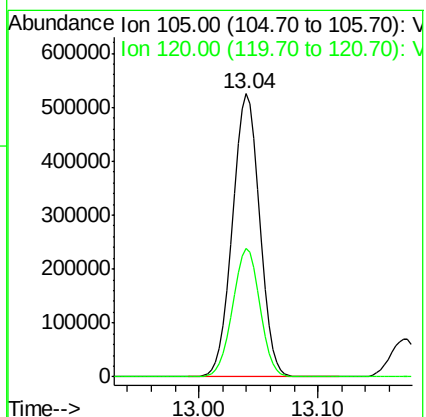
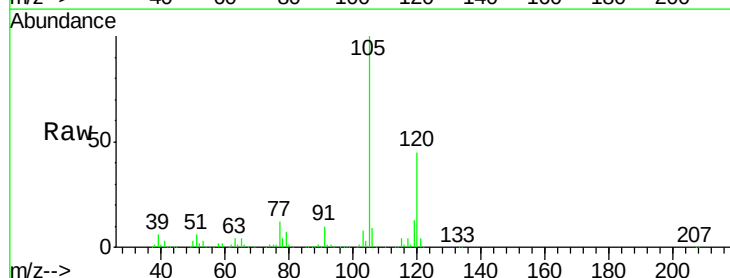
Acq: 19 Jul 2018 11:42

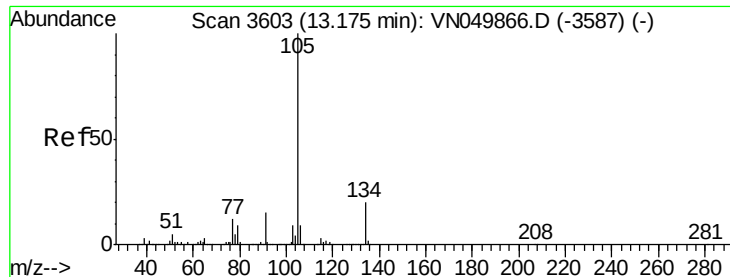
Tgt Ion:105 Resp: 828765

Ion Ratio Lower Upper

105 100

120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 3.89 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampleId :

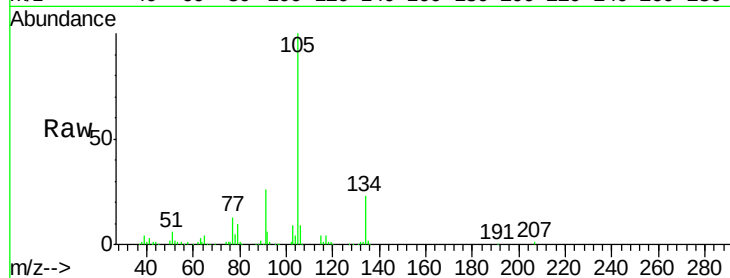
MW1DL

Tot Ion:105 Resp: 112812

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

80000

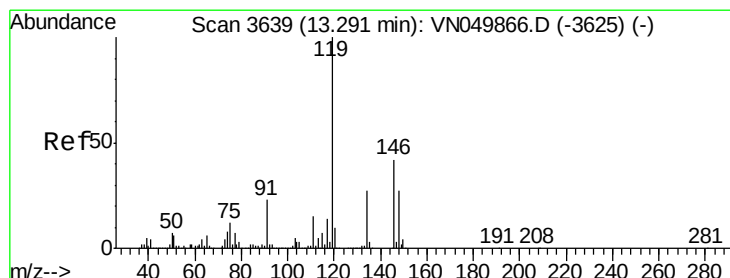
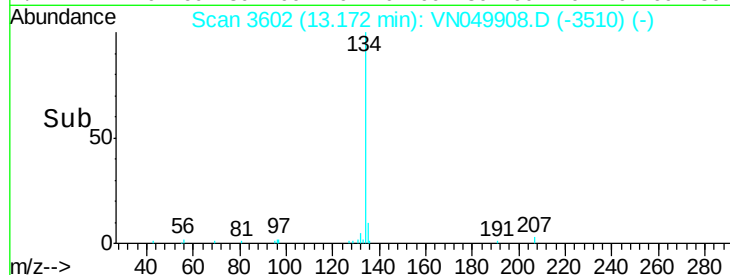
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 1.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

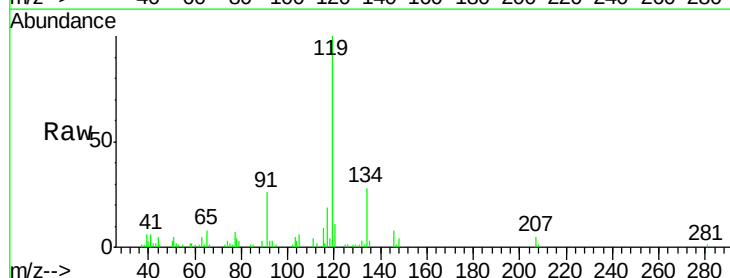
Tgt Ion:119 Resp: 31230

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.9

91 23.5 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

30000

25000

20000

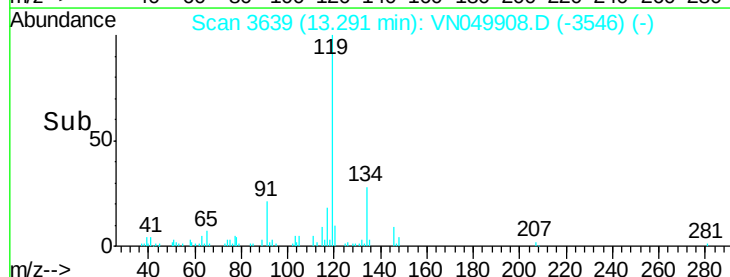
15000

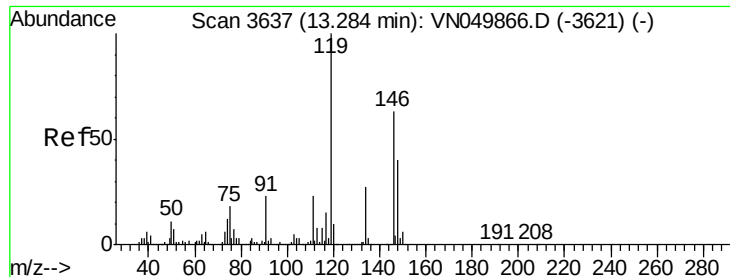
10000

5000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

Instrument :

MSVOA_N

ClientSampleId :

MW1DL

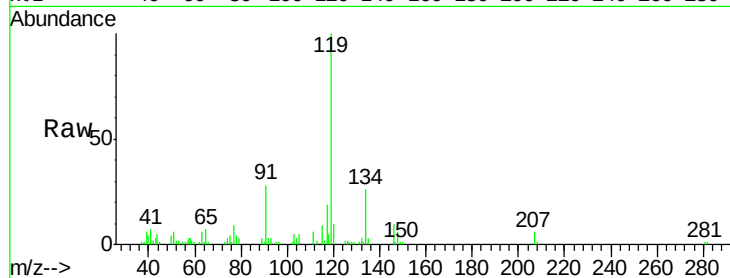
Tot Ion:146 Resp: 3208

Ion Ratio Lower Upper

146 100

111 65.8 19.0 57.0#

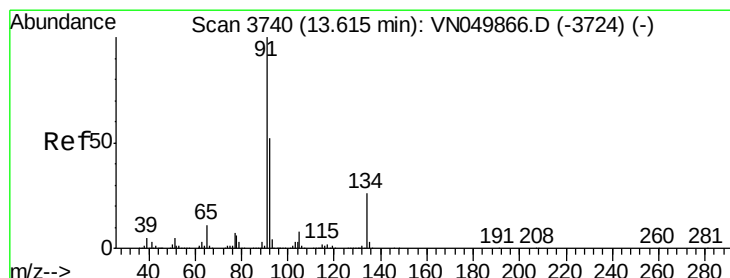
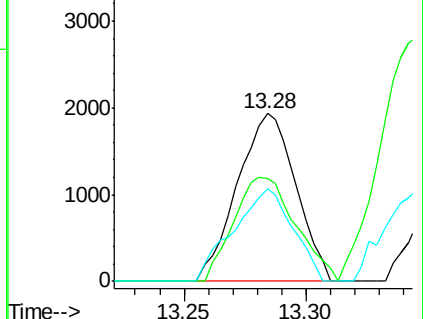
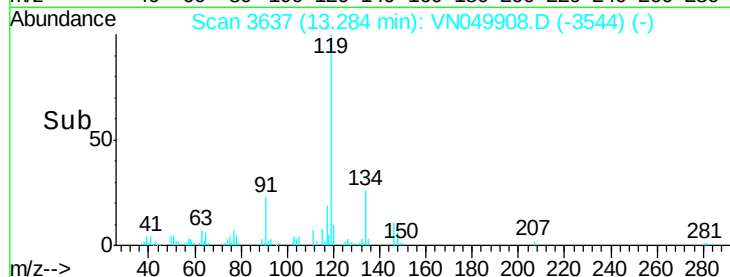
148 56.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 9.79 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049908.D

Acq: 19 Jul 2018 11:42

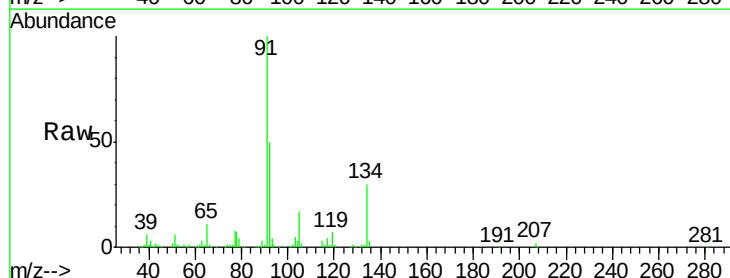
Tgt Ion: 91 Resp: 199922

Ion Ratio Lower Upper

91 100

92 39.9 25.8 77.3

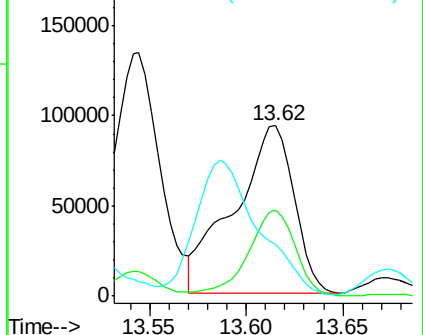
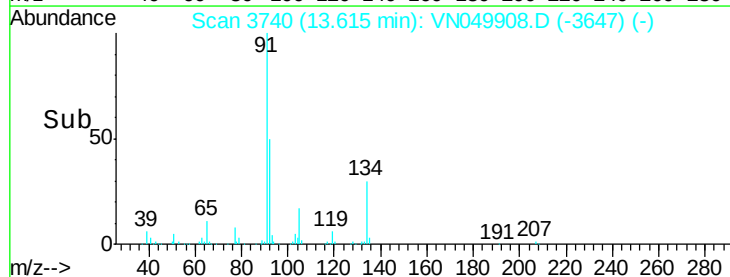
134 0.0 13.0 38.9#

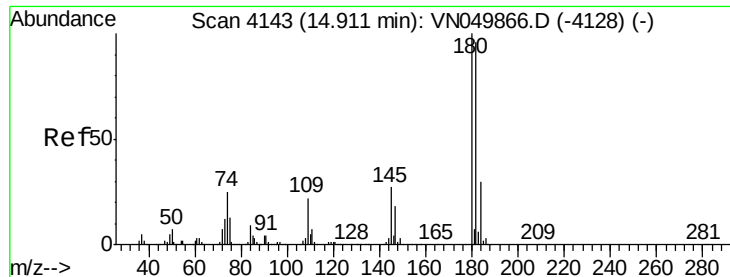


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

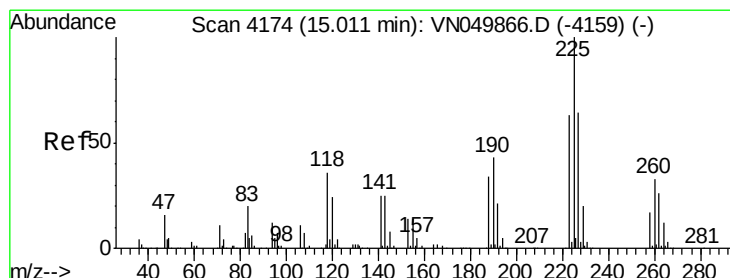
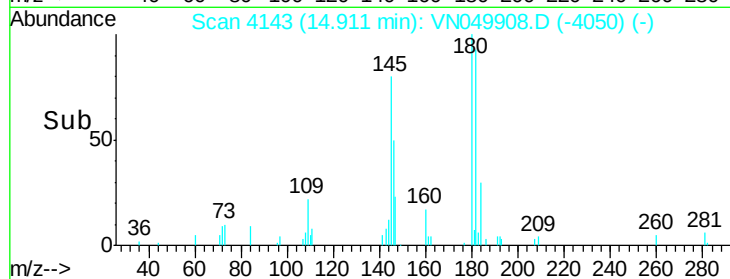
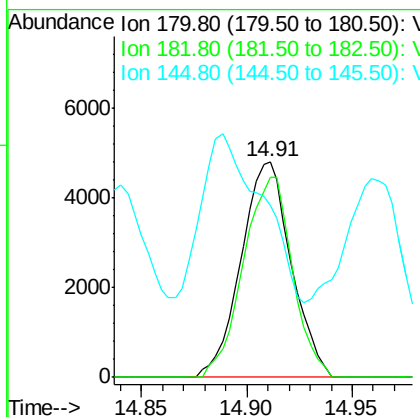
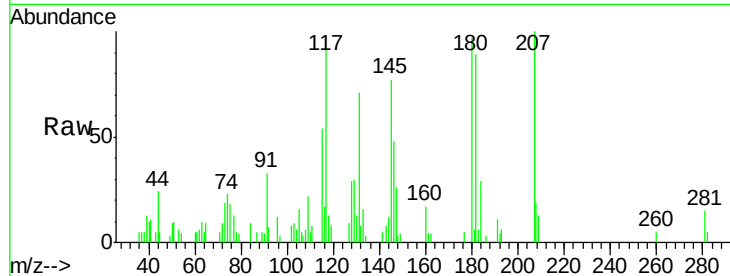




#93
 1,2,4-Trichlorobenzene
 Concen: 4.38 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049908.D
 Acq: 19 Jul 2018 11:42

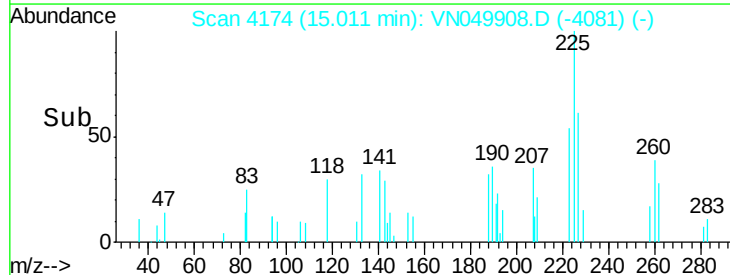
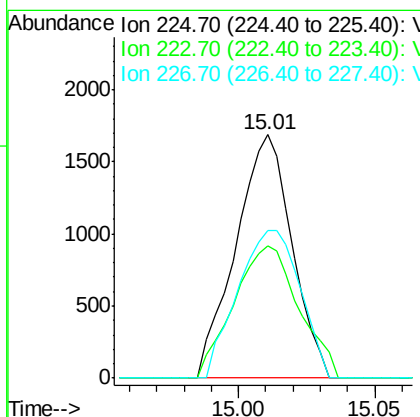
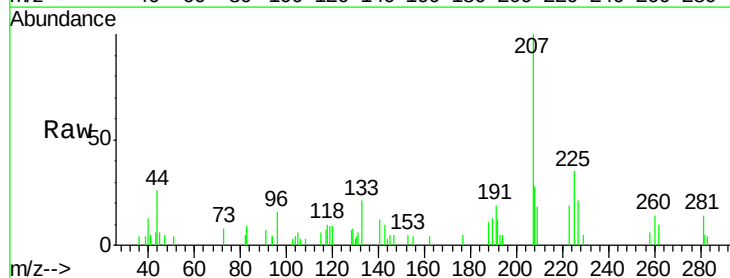
Instrument :
 MSVOA_N
 ClientSampled :
 MW1DL

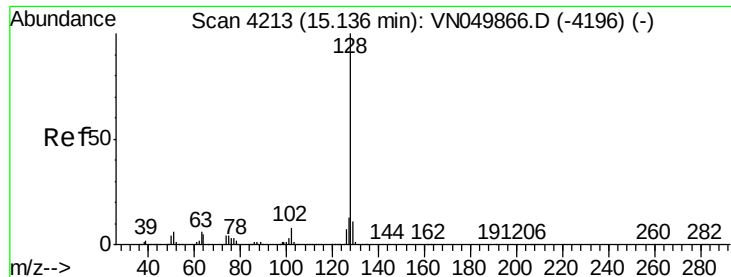
Tot Ion:180 Resp: 7917
 Ion Ratio Lower Upper
 180 100
 182 91.0 47.3 141.9
 145 0.0 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: 0.50 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049908.D
 Acq: 19 Jul 2018 11:42

Tgt Ion:225 Resp: 2402
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.7
 227 67.8 31.8 95.4

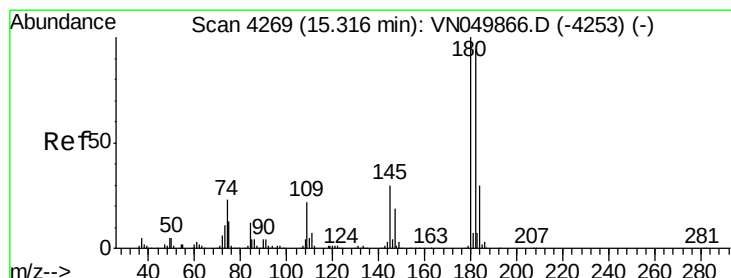
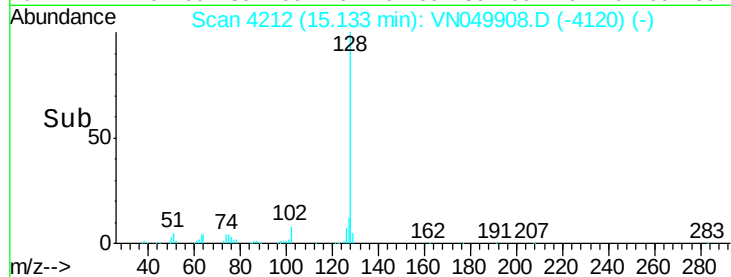
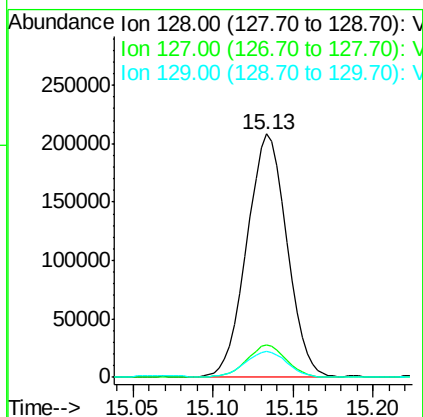
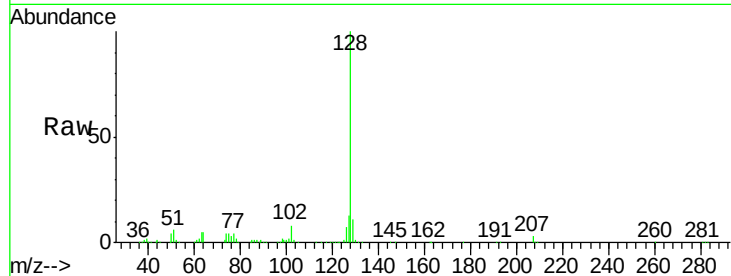




#95
Naphthalene
Concen: 21.05 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN049908.D
Acq: 19 Jul 2018 11:42

Instrument :
MSVOA_N
ClientSampled :
MW1DL

Tot Ion:128 Resp: 353798
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.03 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049908.D
Acq: 19 Jul 2018 11:42

Tgt Ion:180 Resp: 7260
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.2
145 0.0 15.2 45.6#

