

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049227.D
 Acq On : 14 Jun 2018 14:59
 Operator : MD\SY
 Sample : J3435-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4DL

Quant Time: Jun 15 11:29:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	642480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1187473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1250356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	481453	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	418530	40.34	ug/l	0.00
Spiked Amount			Recovery	=	80.68%	
35) Dibromofluoromethane	7.59	113	377187	38.38	ug/l	0.00
Spiked Amount			Recovery	=	76.76%	
50) Toluene-d8	10.09	98	1466999	38.37	ug/l	0.00
Spiked Amount			Recovery	=	76.74%	
62) 4-Bromofluorobenzene	12.40	95	573761	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

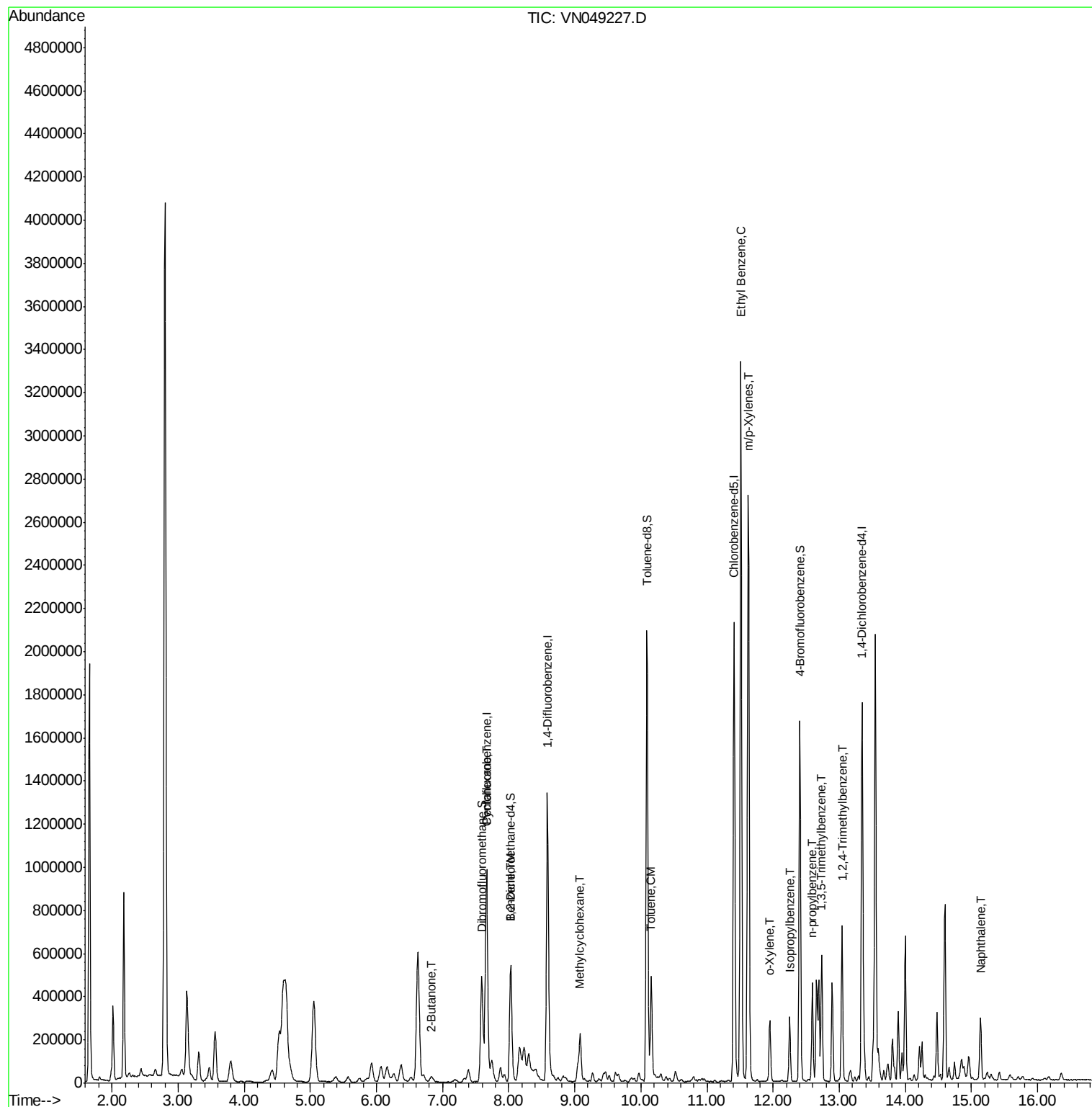
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) 2-Butanone	6.84	43	9424	2.655	ug/l	95
31) Cyclohexane	7.65	56	168453	10.629	ug/l #	93
39) Methylcyclohexane	9.08	83	91459	5.968	ug/l	96
40) Benzene	8.04	78	93712	2.085	ug/l	100
52) Toluene	10.16	92	208789	7.983	ug/l	97
67) Ethyl Benzene	11.51	91	2417594	43.446	ug/l	99
68) m/p-Xylenes	11.63	106	869676	42.738	ug/l	99
69) o-Xylene	11.95	106	75271	3.841	ug/l	98
73) Isopropylbenzene	12.25	105	188990	4.087	ug/l	100
78) n-propylbenzene	12.59	91	348974	6.793	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	313093	8.830	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	406206	11.526	ug/l	100
95) Naphthalene	15.14	128	246179	18.544	ug/l	99

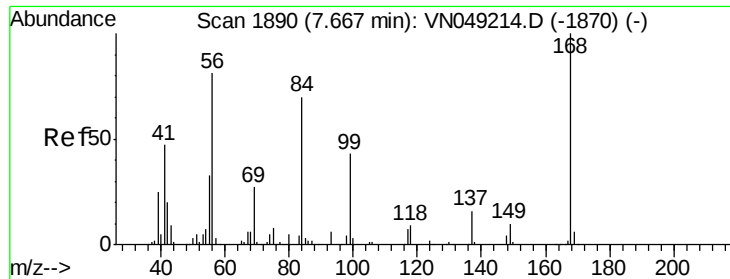
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampled :

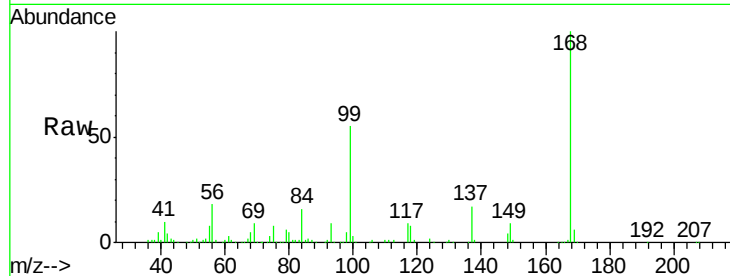
MW4DL

Tot Ion:168 Resp: 642480

Ion Ratio Lower Upper

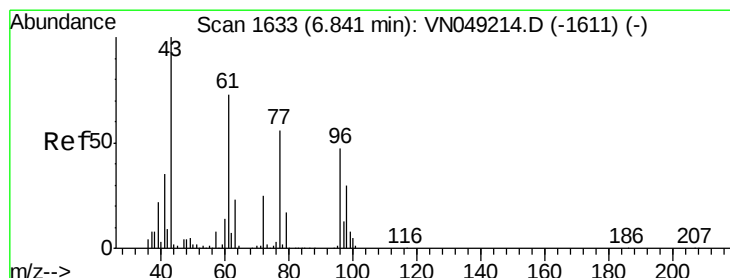
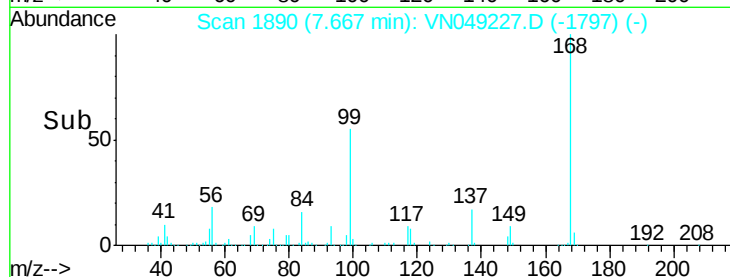
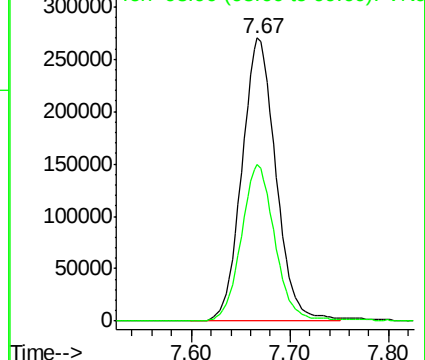
168 100

99 55.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#25

2-Butanone

Concen: 2.655 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049227.D

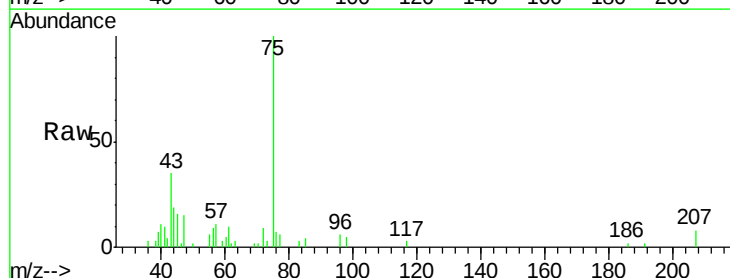
Acq: 14 Jun 2018 14:59

Tgt Ion: 43 Resp: 9424

Ion Ratio Lower Upper

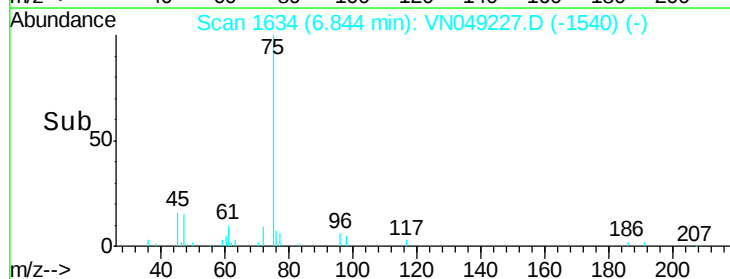
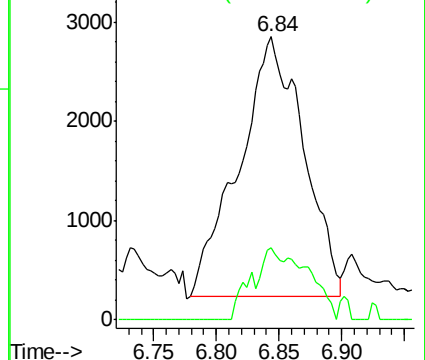
43 100

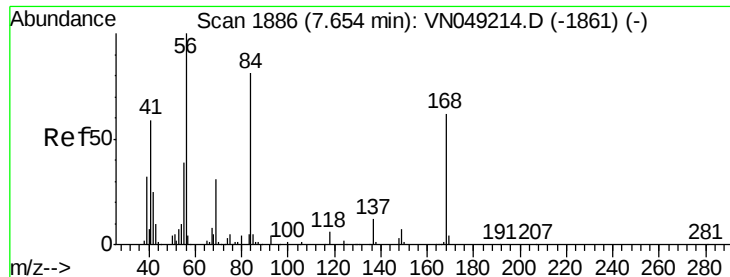
72 27.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

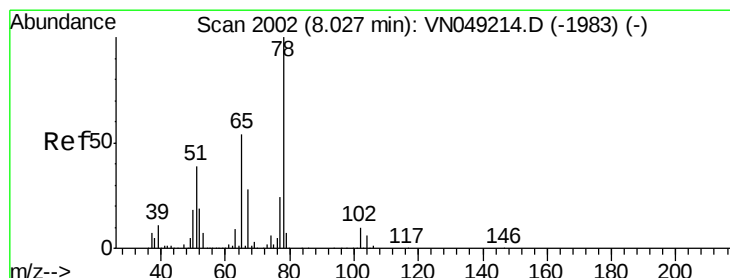
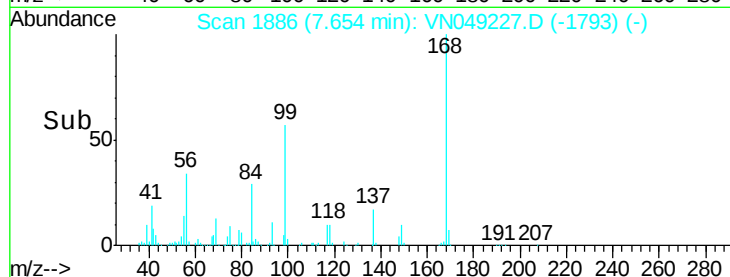
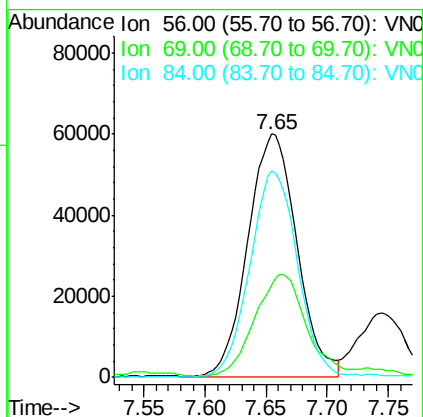
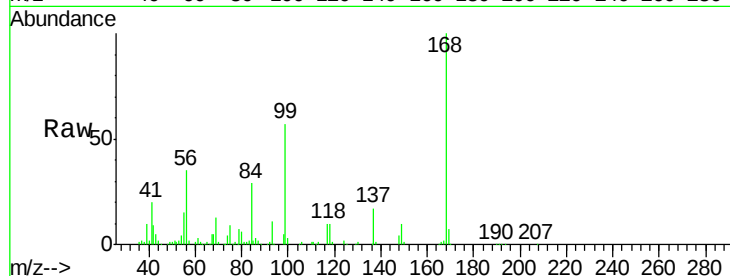




#31
Cyclohexane
Concen: 10.629 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

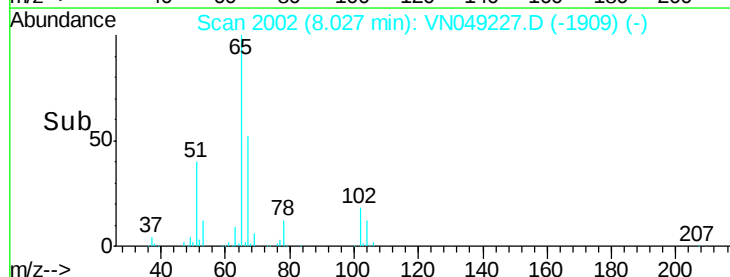
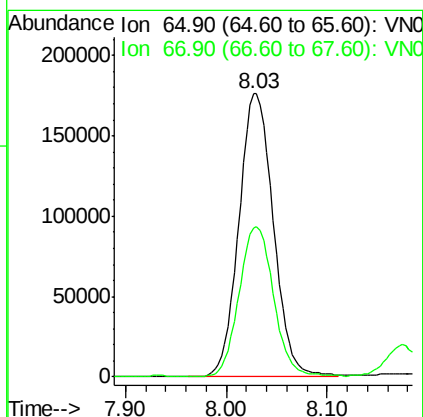
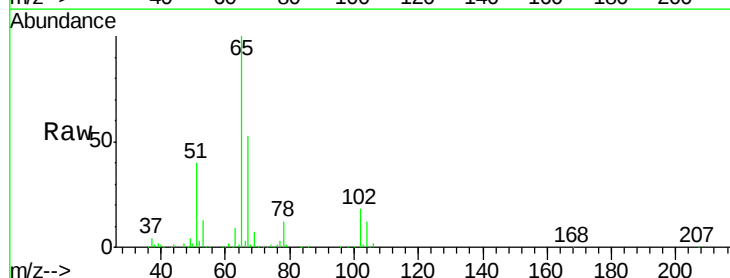
Instrument :
MSVOA_N
ClientSampled :
MW4DL

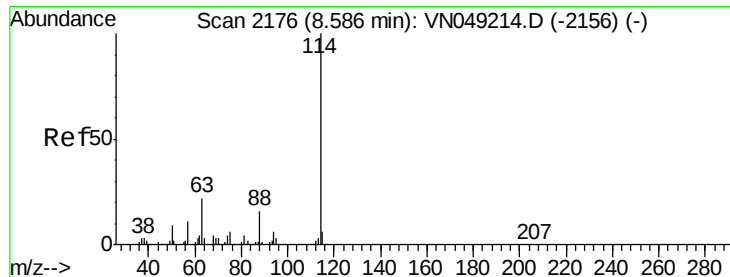
Tot Ion: 56 Resp: 168453
Ion Ratio Lower Upper
56 100
69 37.5 25.0 37.4#
84 84.9 64.6 96.8



#33
1,2-Dichloroethane-d4
Concen: 40.345 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 65 Resp: 418530
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

MW4DL

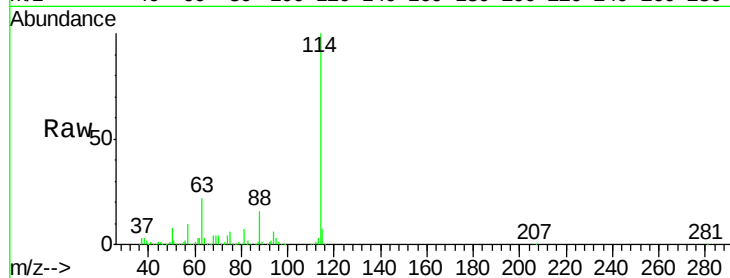
Tot Ion:114 Resp: 1187473

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.4

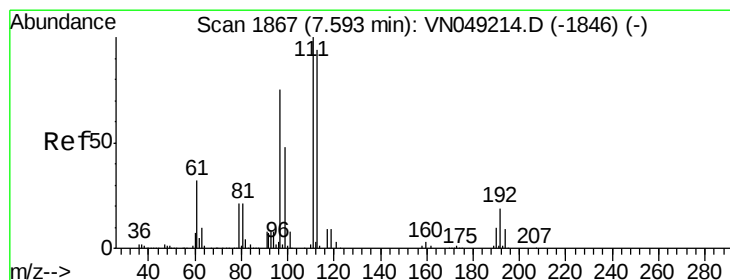
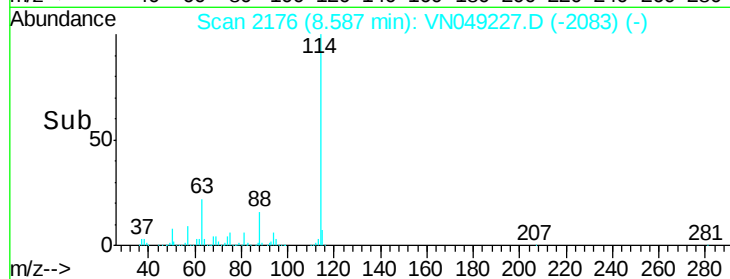
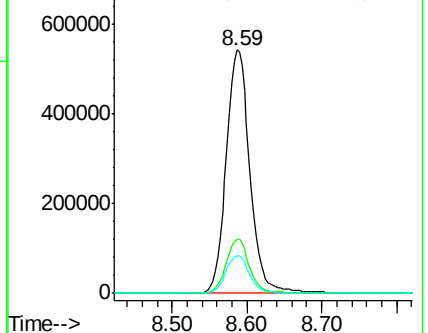
88 15.7 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 38.377 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

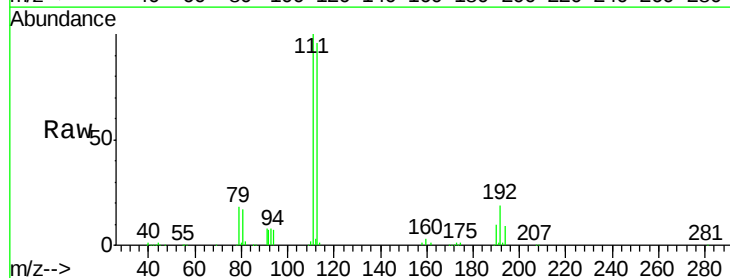
Tgt Ion:113 Resp: 377187

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

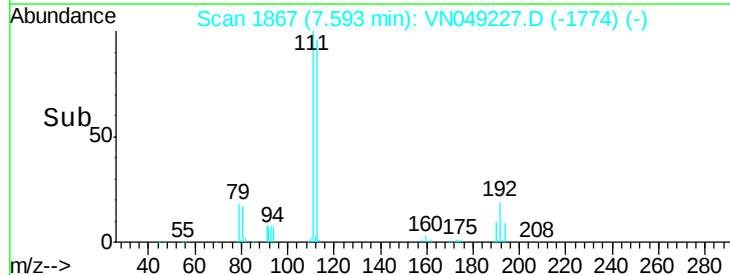
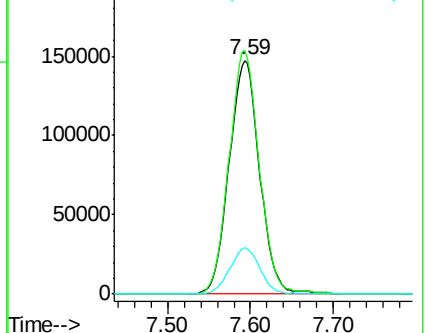
192 19.4 15.0 22.6

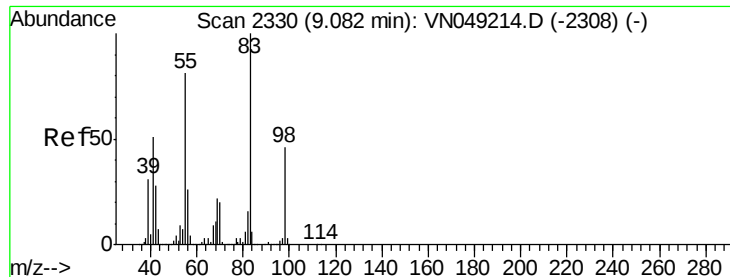


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methvlcvclohexane

Concen: 5.968 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

MW4DL

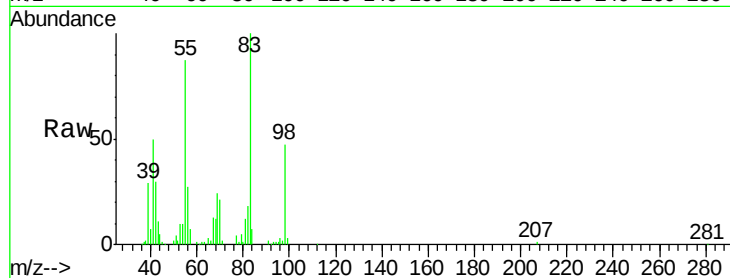
Tot Ion: 83 Resp: 91459

Ion Ratio Lower Upper

83 100

55 86.1 65.1 97.7

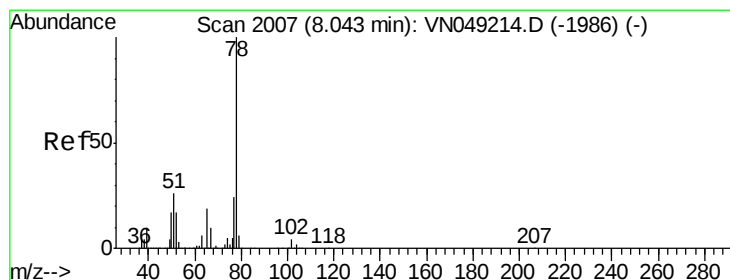
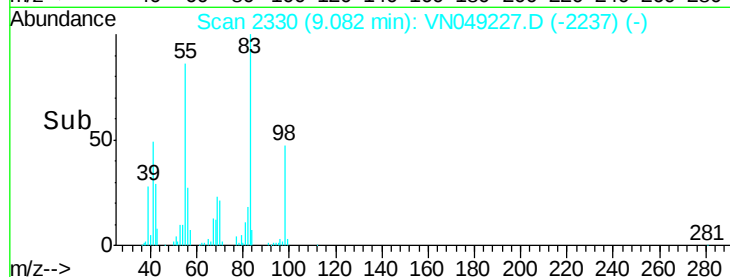
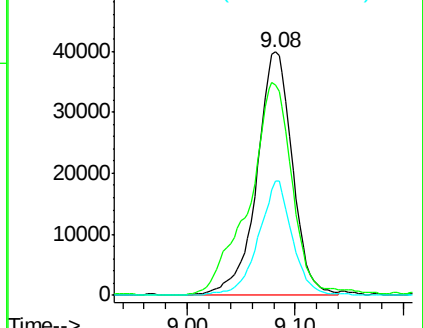
98 47.2 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): VN049227.D (-2237) (-)

Ion 55.00 (54.70 to 55.70): VN049227.D (-2237) (-)

Ion 98.00 (97.70 to 98.70): VN049227.D (-2237) (-)



#40

Benzene

Concen: 2.085 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049227.D

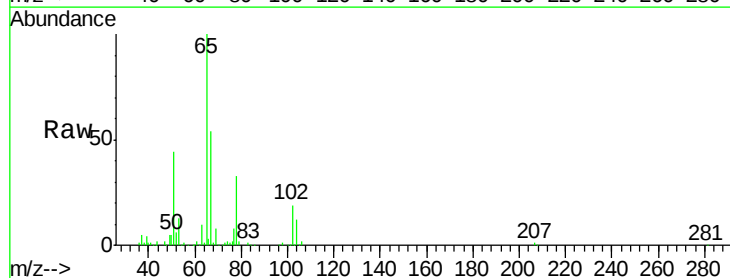
Acq: 14 Jun 2018 14:59

Tgt Ion: 78 Resp: 93712

Ion Ratio Lower Upper

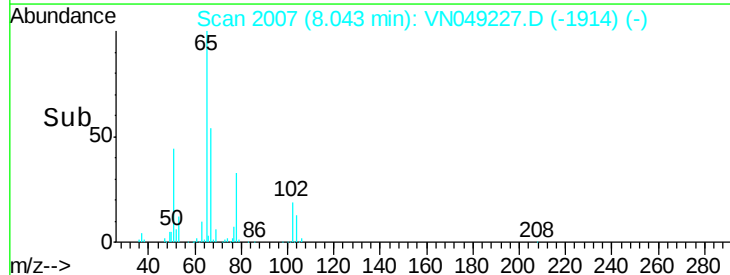
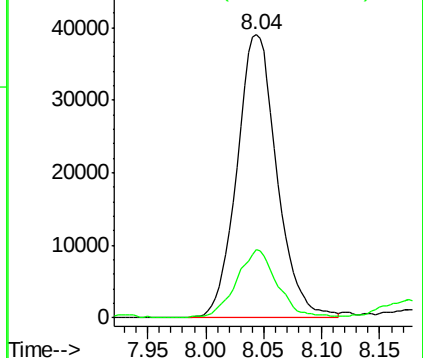
78 100

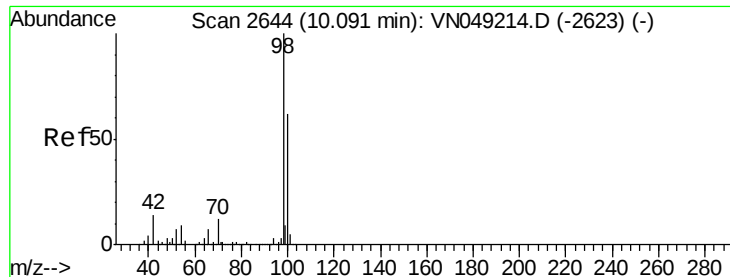
77 24.2 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN049227.D (-1914) (-)

Ion 77.00 (76.70 to 77.70): VN049227.D (-1914) (-)





#50

Toluene-d8

Concen: 38.368 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

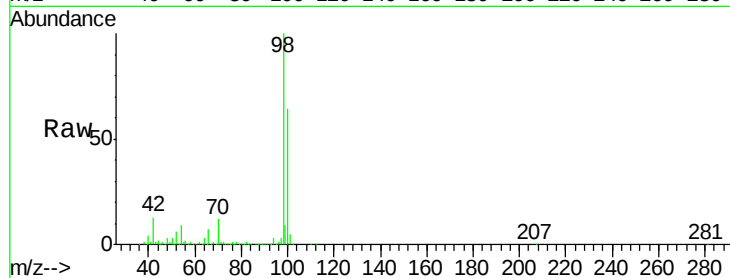
MW4DL

Tot Ion: 98 Resp: 1466999

Ion Ratio Lower Upper

98 100

100 64.1 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049214.D (-2623) (-)

Ion 100.00 (99.70 to 100.70): VN049214.D (-2623) (-)

10.09

800000

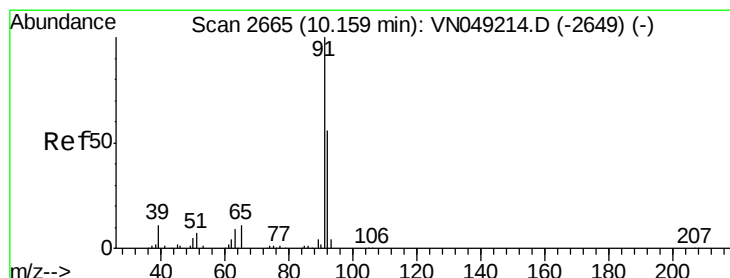
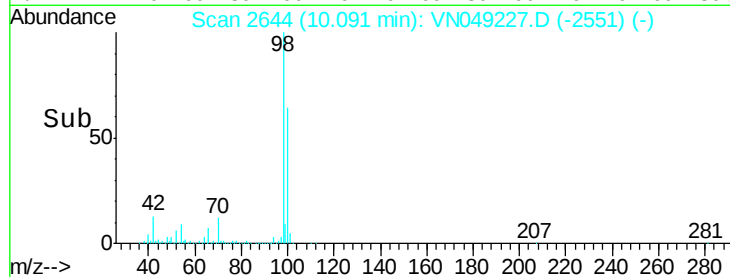
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 7.983 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049227.D

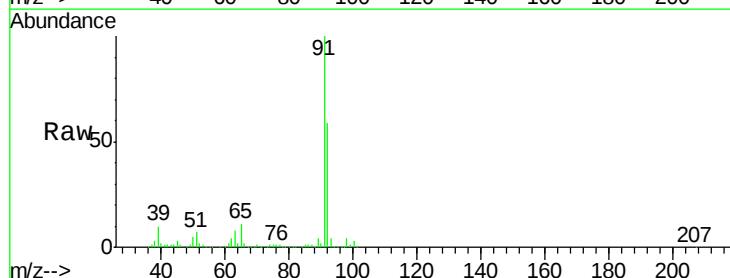
Acq: 14 Jun 2018 14:59

Tgt Ion: 92 Resp: 208789

Ion Ratio Lower Upper

92 100

91 175.0 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049214.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049214.D (-2649) (-)

10.16

200000

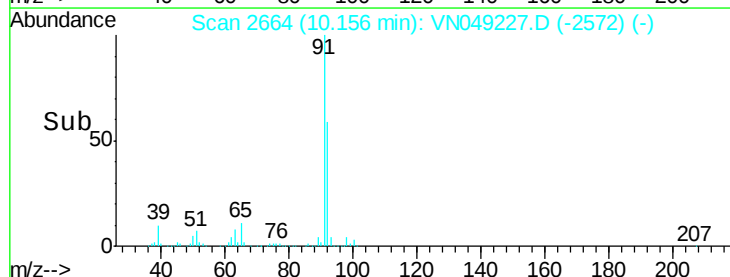
150000

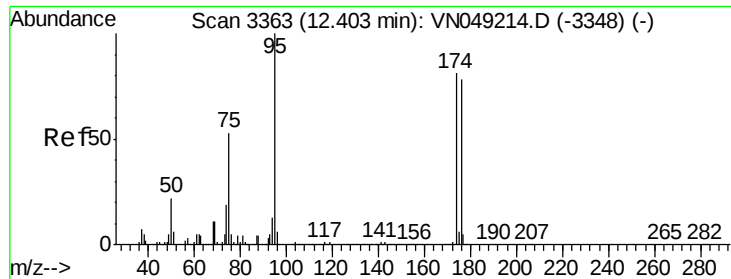
100000

50000

0

Time-->

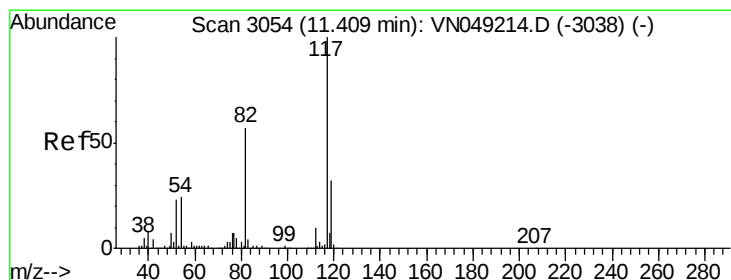
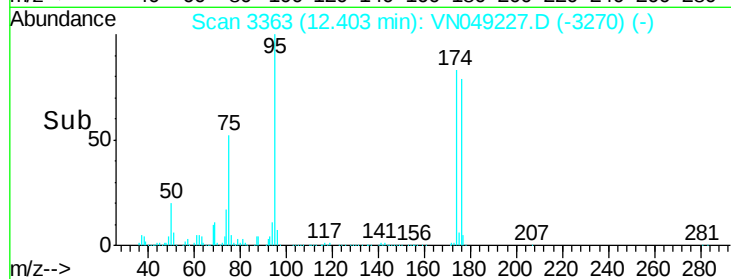
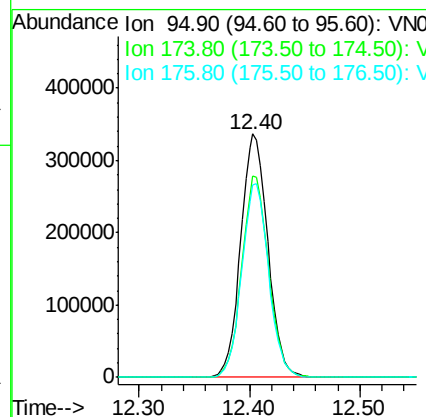
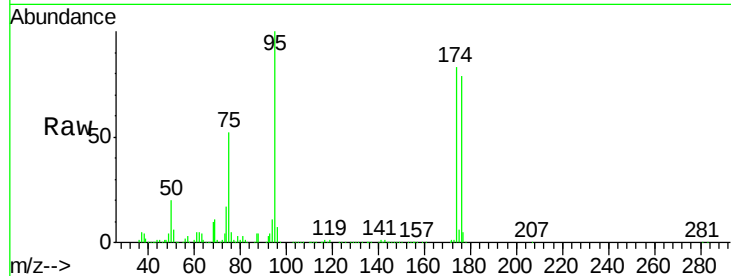




#62
4-Bromofluorobenzene
Concen: 45.215 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

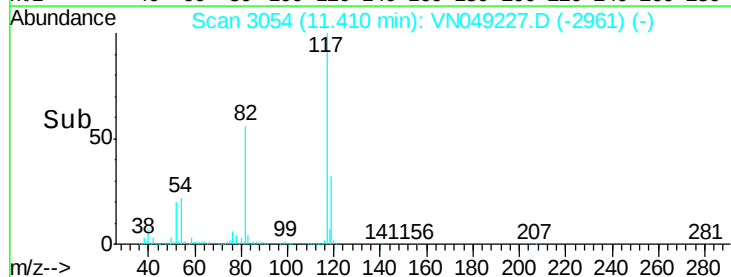
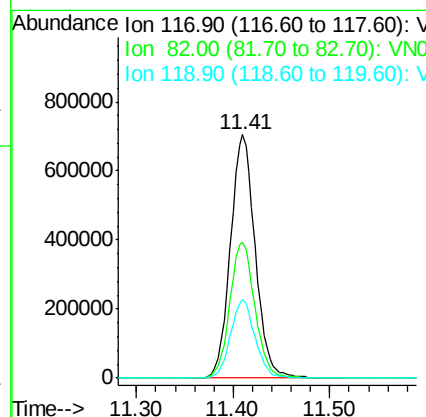
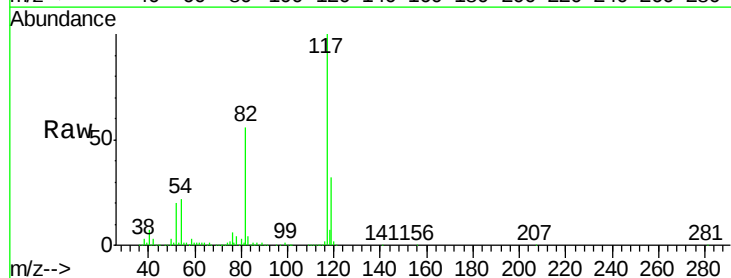
Instrument :
MSVOA_N
ClientSampled :
MW4DL

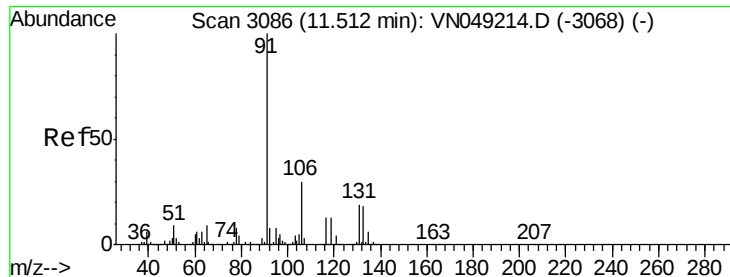
Tot Ion: 95 Resp: 573761
Ion Ratio Lower Upper
95 100
174 81.6 0.0 165.6
176 78.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 117 Resp: 1250356
Ion Ratio Lower Upper
117 100
82 55.8 45.9 68.9
119 32.3 25.5 38.3

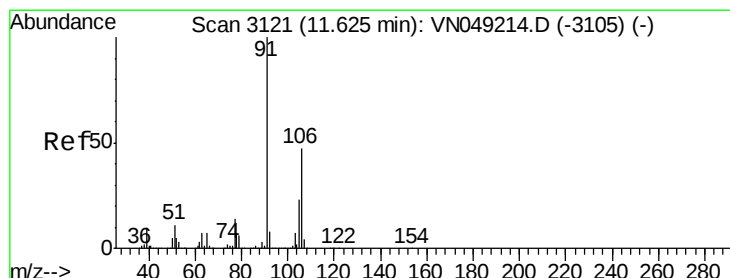
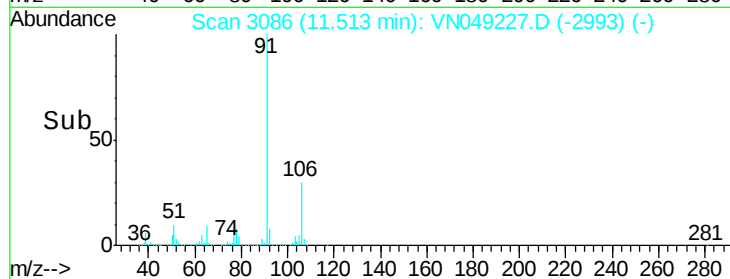
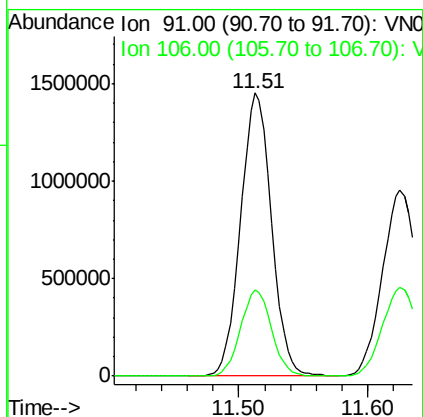
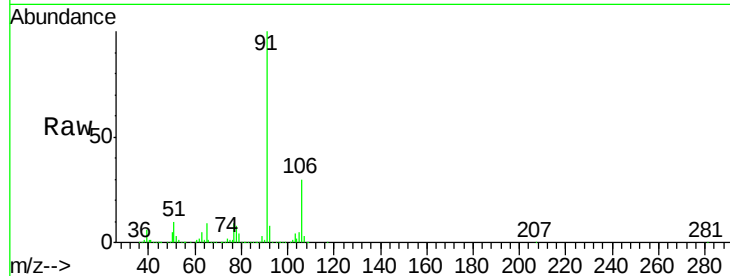




#67
Ethyl Benzene
Concen: 43.446 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

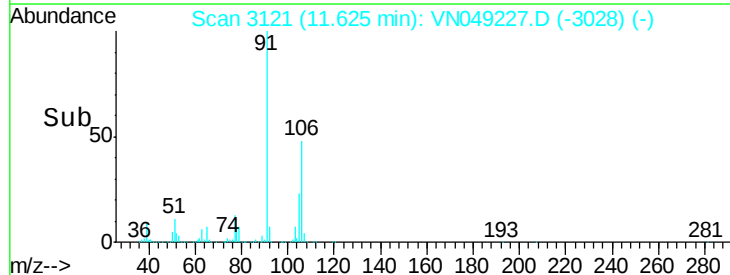
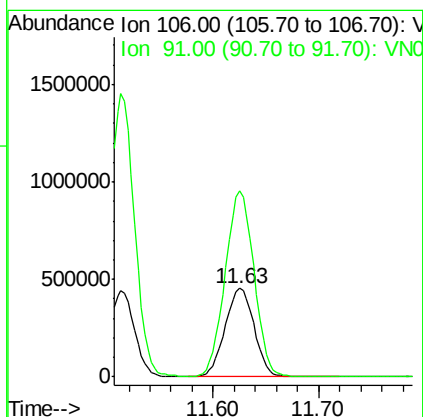
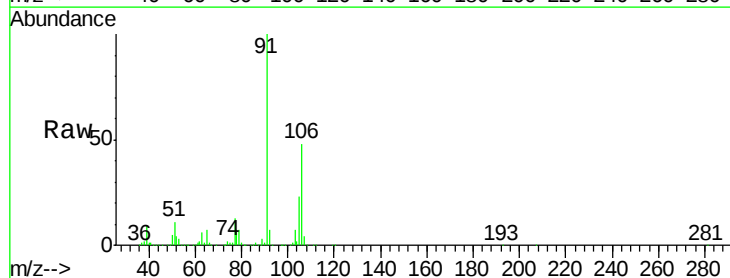
Instrument :
MSVOA_N
ClientSampled :
MW4DL

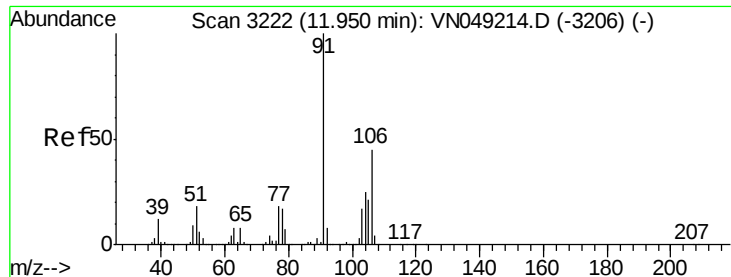
Tot Ion: 91 Resp: 2417594
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9



#68
m/p-Xylenes
Concen: 42.738 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 106 Resp: 869676
Ion Ratio Lower Upper
106 100
91 208.1 167.3 250.9

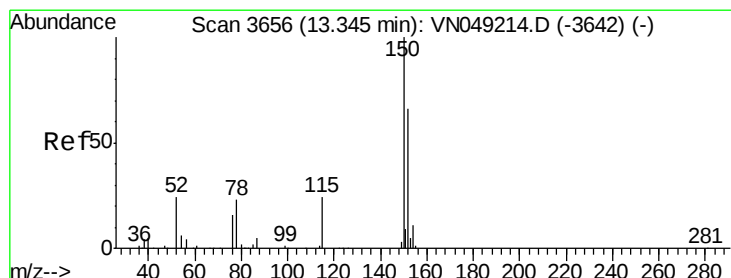
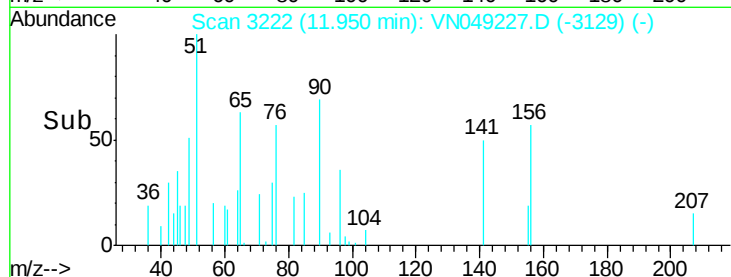
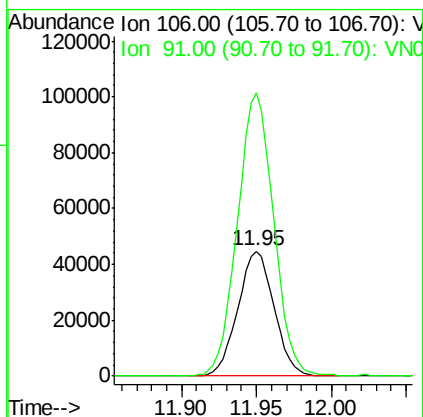
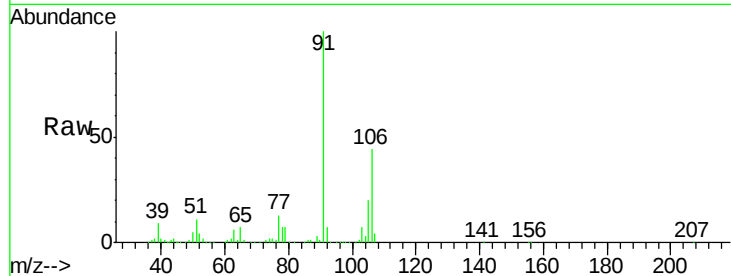




#69
o-Xylene
Concen: 3.841 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

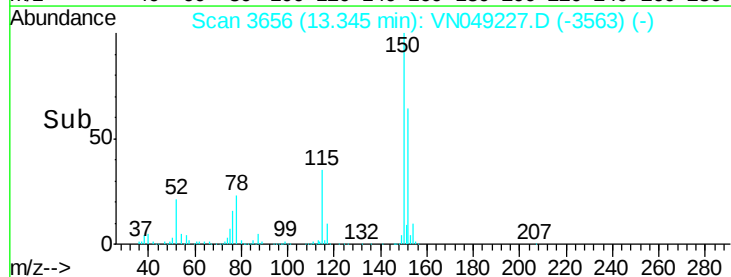
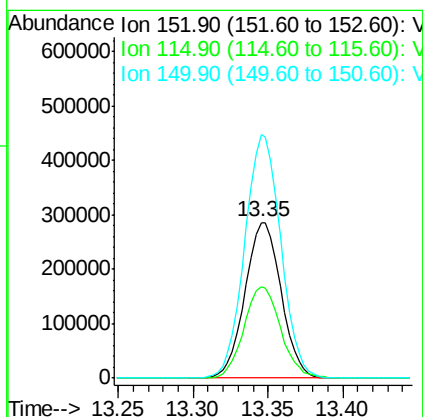
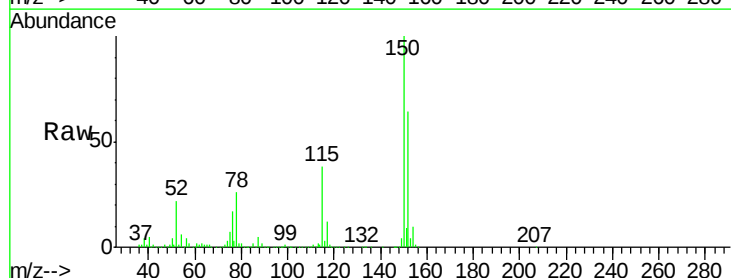
Instrument :
MSVOA_N
ClientSampled :
MW4DL

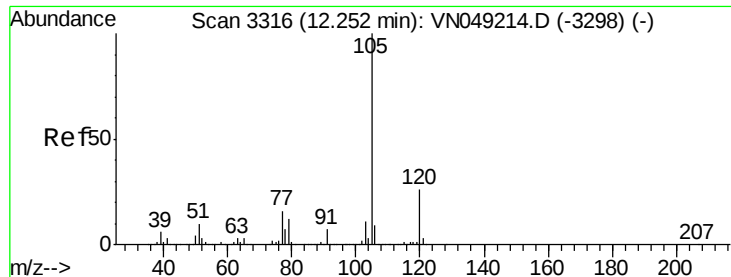
Tot Ion:106 Resp: 75271
Ion Ratio Lower Upper
106 100
91 226.0 111.0 333.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion:152 Resp: 481453
Ion Ratio Lower Upper
152 100
115 59.5 28.7 86.1
150 156.5 0.0 351.0





#73

Isopropylbenzene

Concen: 4.087 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

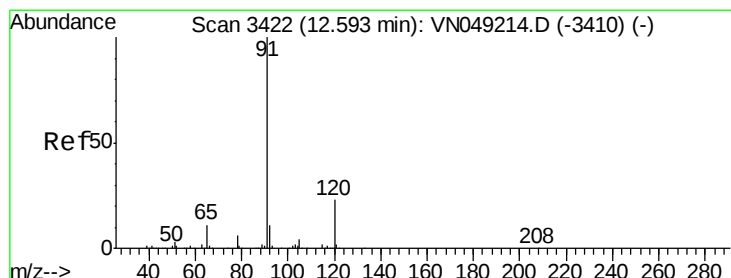
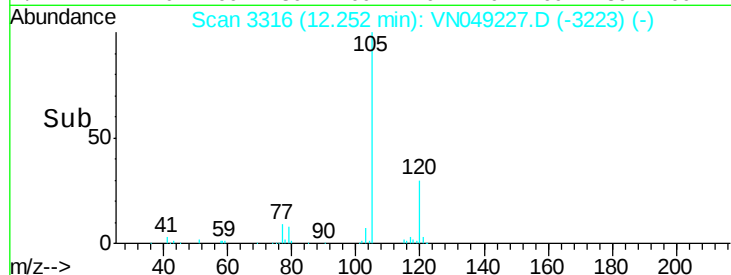
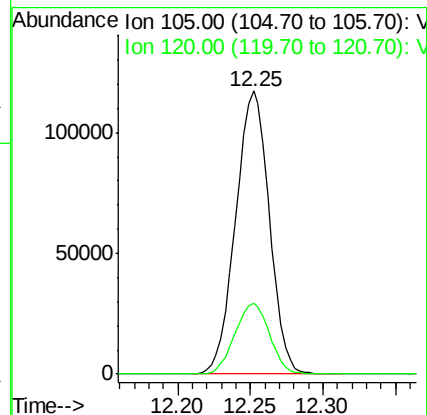
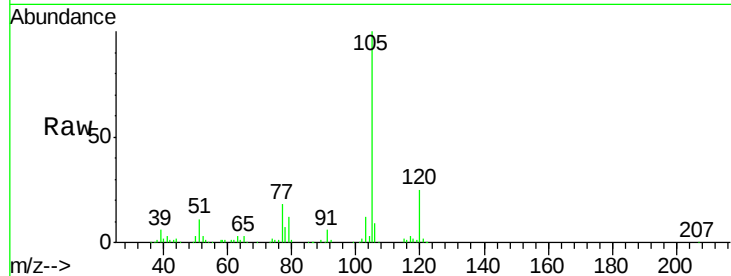
MW4DL

Tot Ion:105 Resp: 188990

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#78

n-propylbenzene

Concen: 6.793 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049227.D

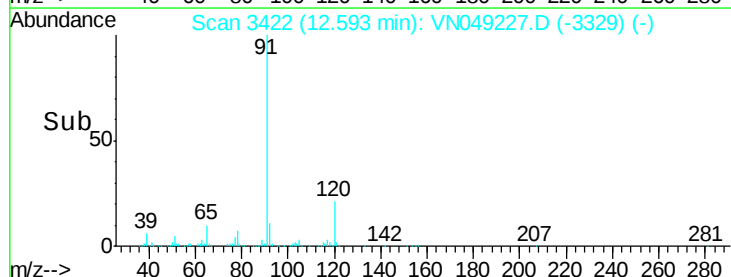
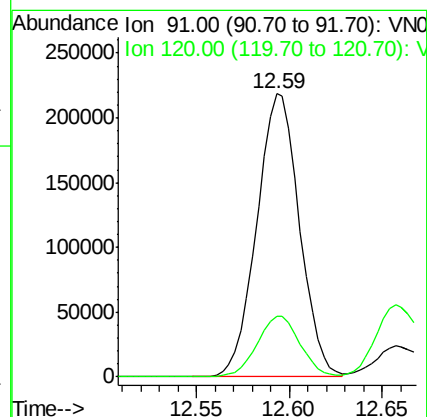
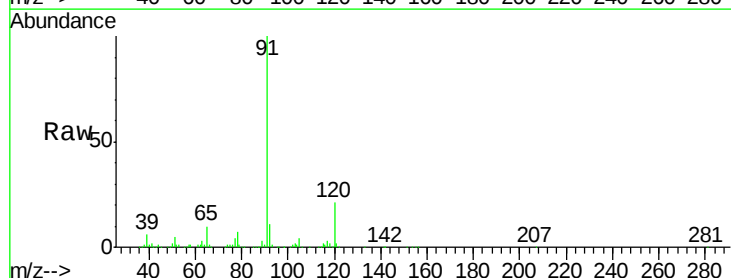
Acq: 14 Jun 2018 14:59

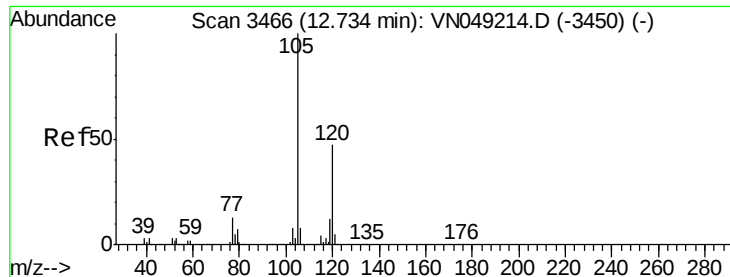
Tgt Ion: 91 Resp: 348974

Ion Ratio Lower Upper

91 100

120 21.6 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 8.830 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

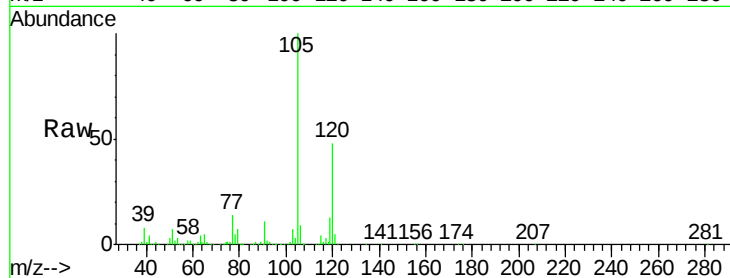
MW4DL

Tot Ion:105 Resp: 313093

Ion Ratio Lower Upper

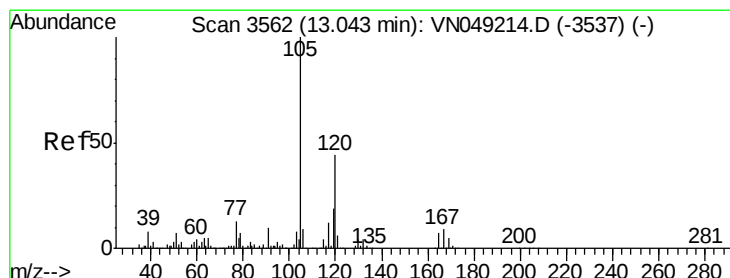
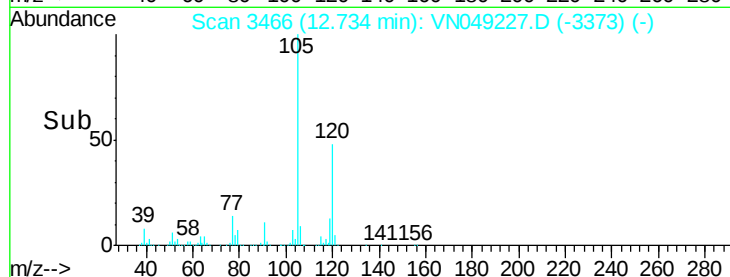
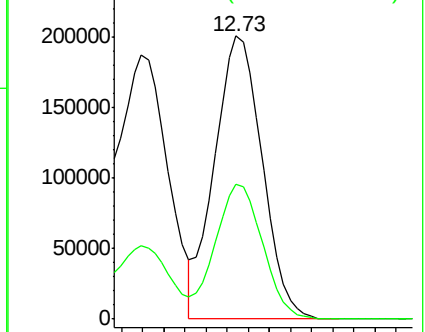
105 100

120 47.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 11.526 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049227.D

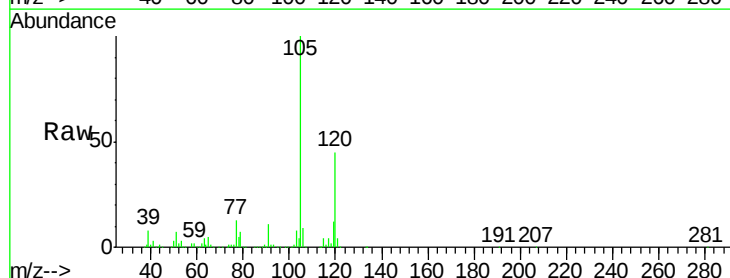
Acq: 14 Jun 2018 14:59

Tgt Ion:105 Resp: 406206

Ion Ratio Lower Upper

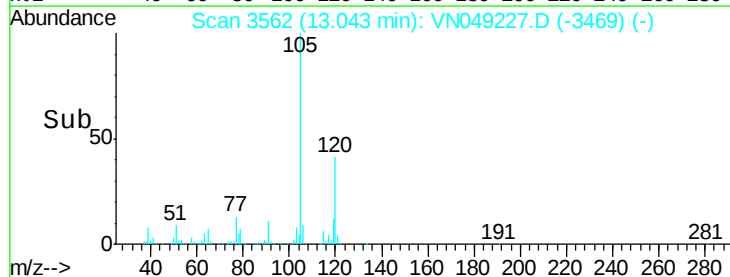
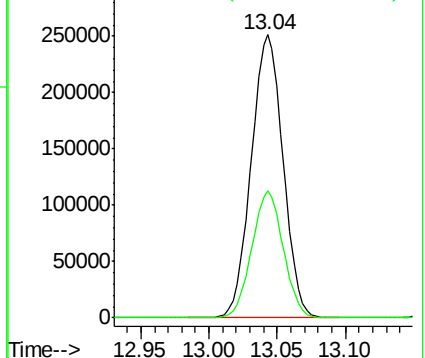
105 100

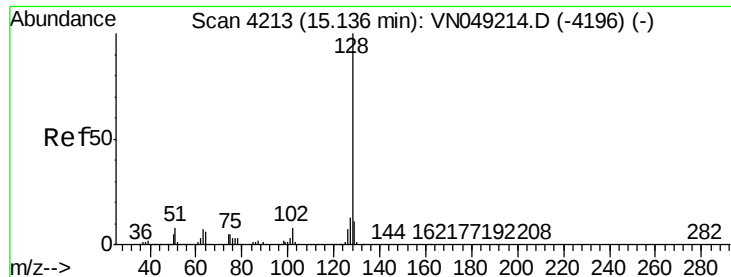
120 44.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

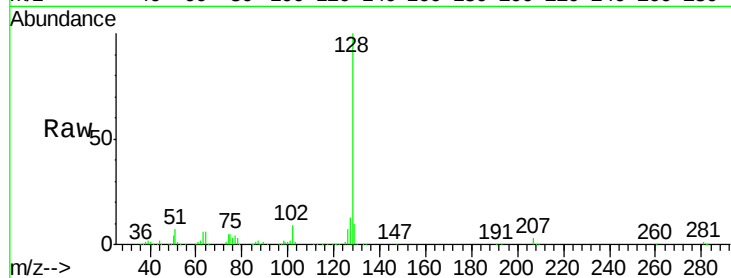




#95
 Naphthalene
 Concen: 18.544 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.5	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

