

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054051.D
 Acq On : 2 Mar 2019 1:03
 Operator : JC/SP
 Sample : K1675-28
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z-3-12-B

Quant Time: Mar 02 06:01:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1104295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1084220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	428304	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	395765	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	
35) Dibromofluoromethane	7.59	113	353603	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.09	98	1403134	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.40	95	478236	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	

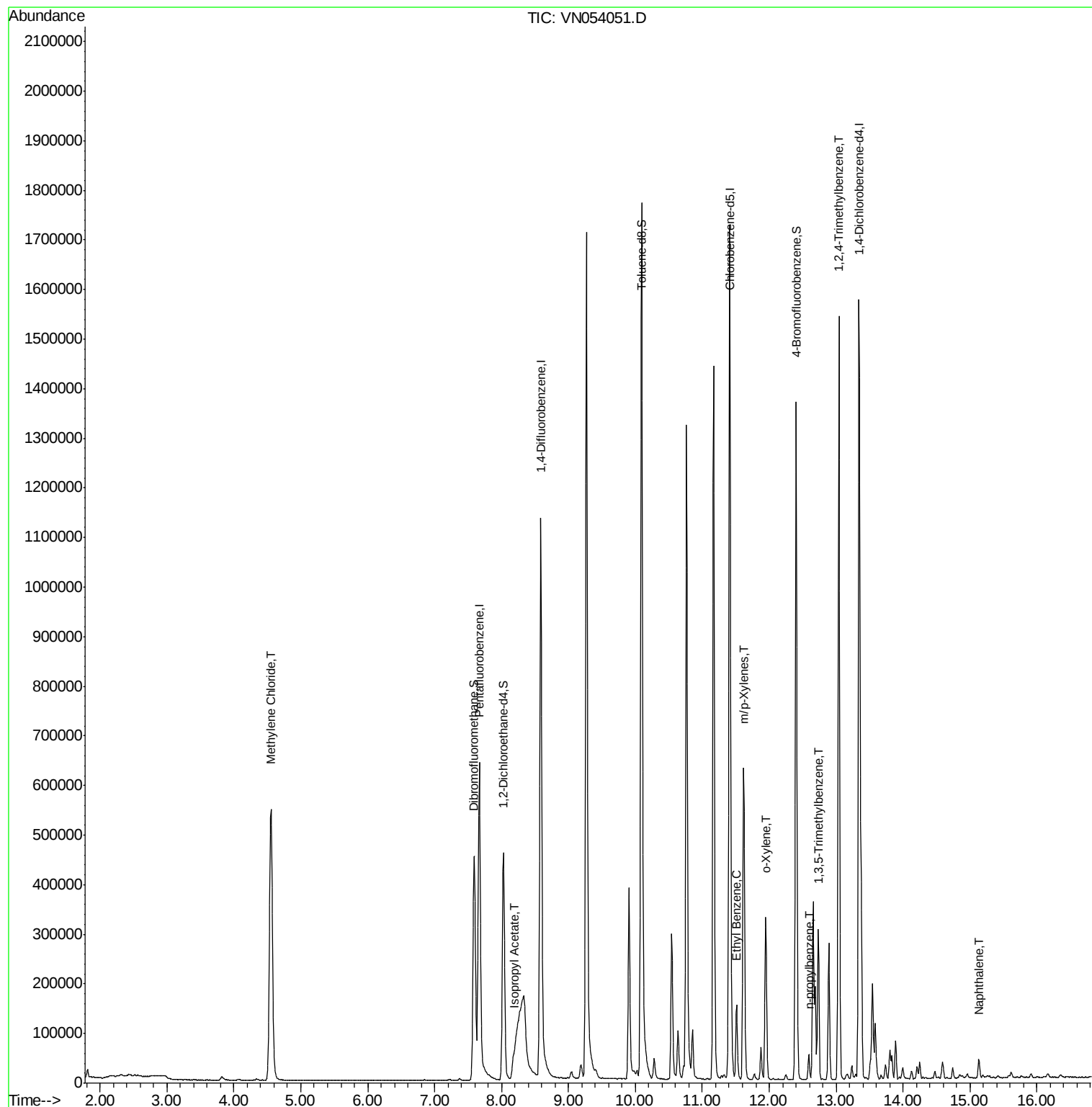
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.55	84	417282	59.710	ug/l	92
43) Isopropyl Acetate	8.18	43	40837	3.298	ug/l #	87
67) Ethyl Benzene	11.51	91	109911	2.865	ug/l	98
68) m/p-Xylenes	11.62	106	206696	14.277	ug/l	94
69) o-Xylene	11.95	106	93084	6.543	ug/l	94
78) n-propylbenzene	12.59	91	40699	1.073	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	170672	6.253	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	873295	32.048	ug/l	98
95) Naphthalene	15.13	128	32964	5.031	ug/l	98

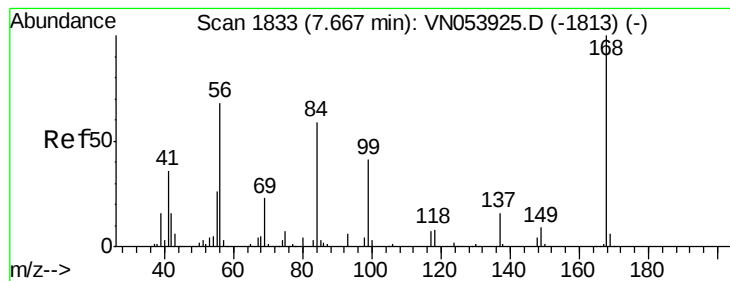
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054051.D

Acq: 2 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampled :

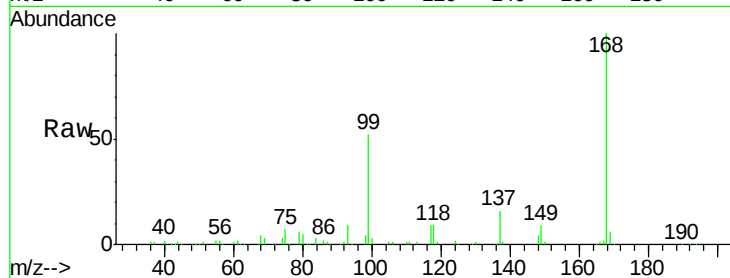
Z-3-12-B

Tot Ion:168 Resp: 602357

Ion Ratio Lower Upper

168 100

99 51.7 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

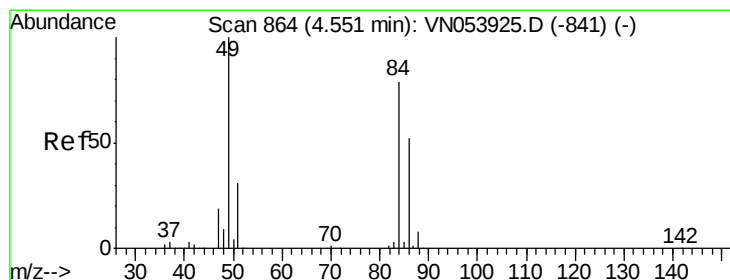
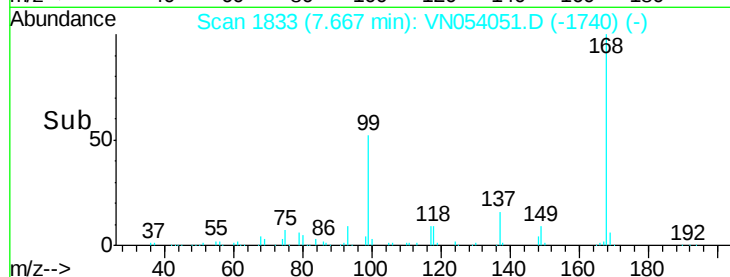
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 59.710 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN054051.D

Acq: 2 Mar 2019 1:03

Tgt Ion: 84 Resp: 417282

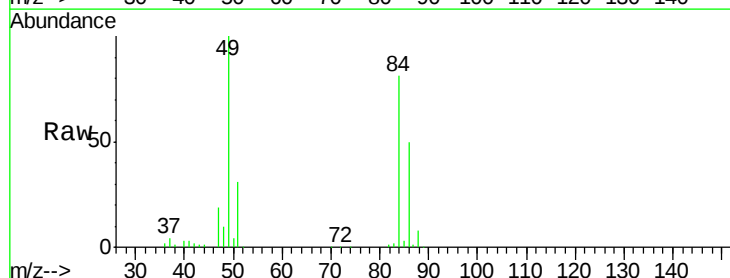
Ion Ratio Lower Upper

84 100

49 124.0 89.7 134.5

51 38.5 27.8 41.8

86 61.9 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

250000

200000

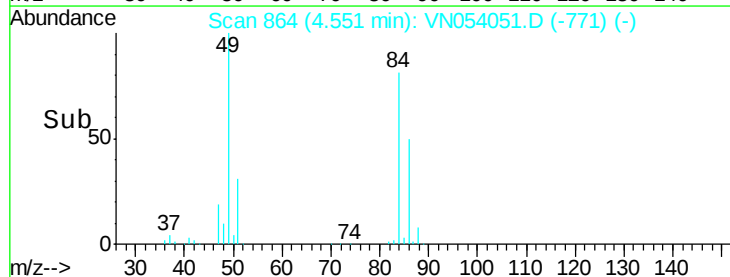
150000

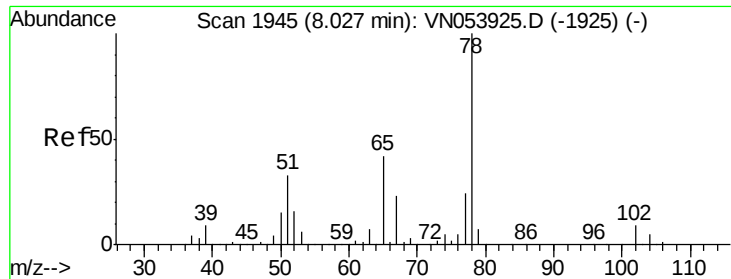
100000

50000

0

Time--> 4.40 4.50 4.60 4.70

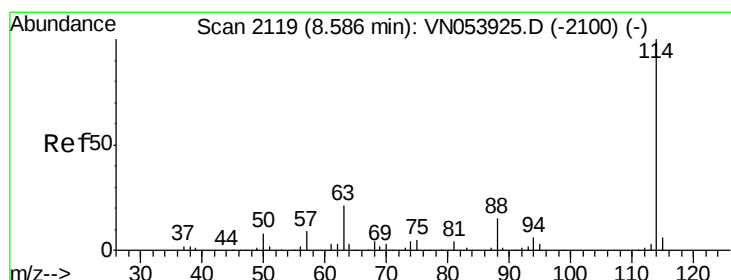
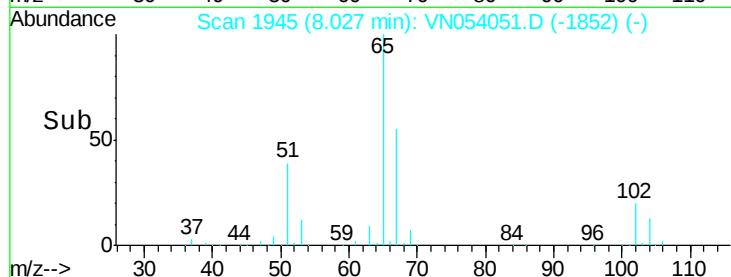
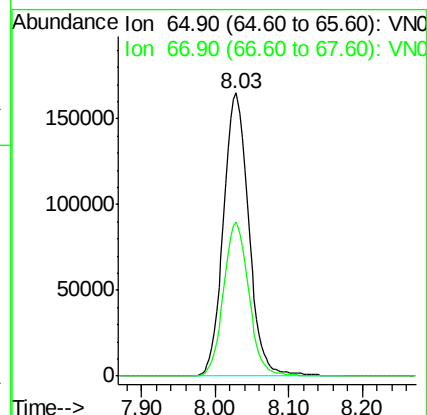
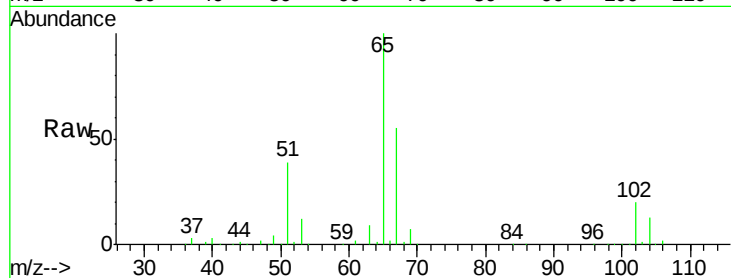




#33
 1,2-Dichloroethane-d4
 Concen: 56.050 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054051.D
 Acq: 2 Mar 2019 1:03

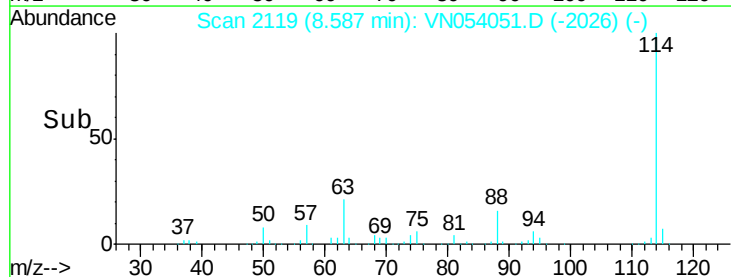
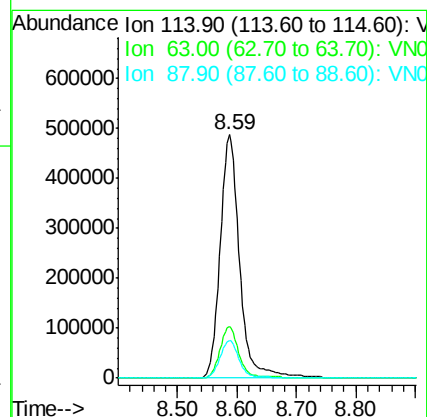
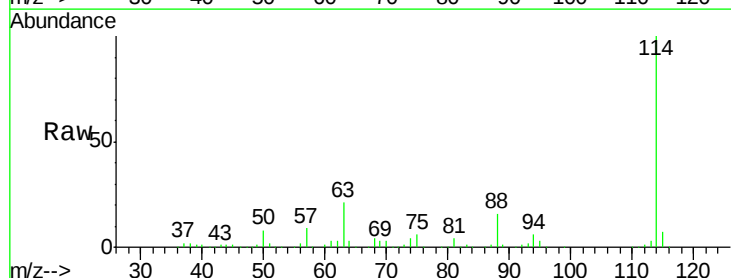
Instrument :
 MSVOA_N
 ClientSampled :
 Z-3-12-B

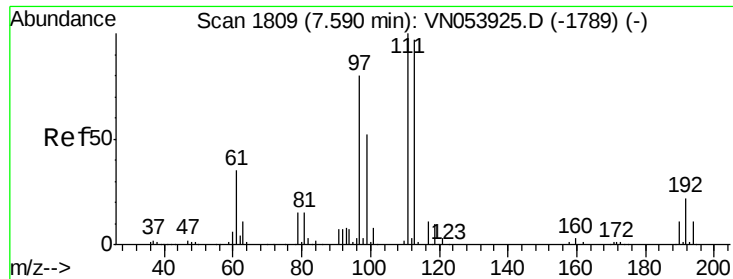
Tot Ion: 65 Resp: 395765
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054051.D
 Acq: 2 Mar 2019 1:03

Tgt Ion: 114 Resp: 1104295
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.4
 88 15.6 0.0 30.4

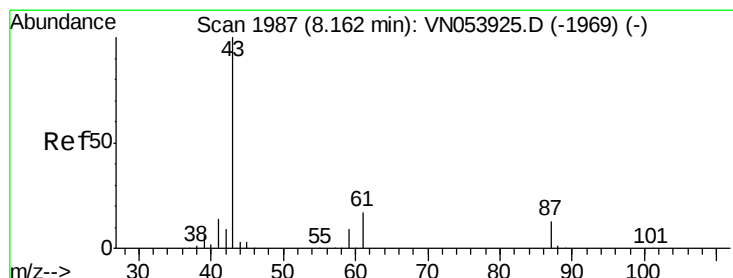
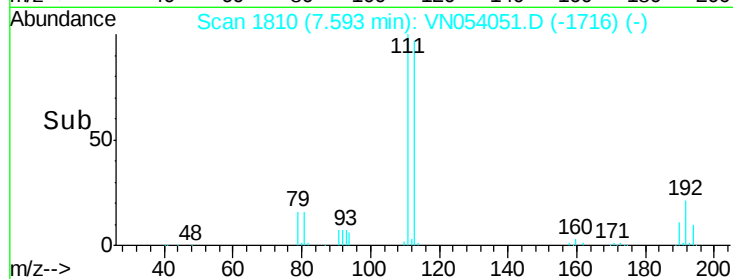
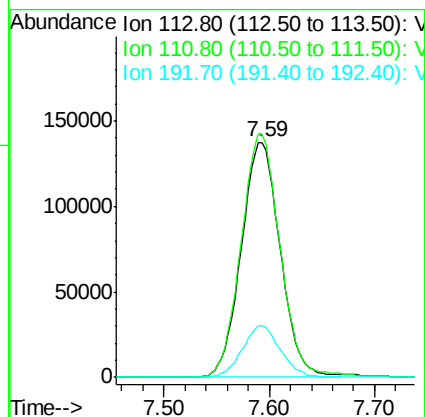
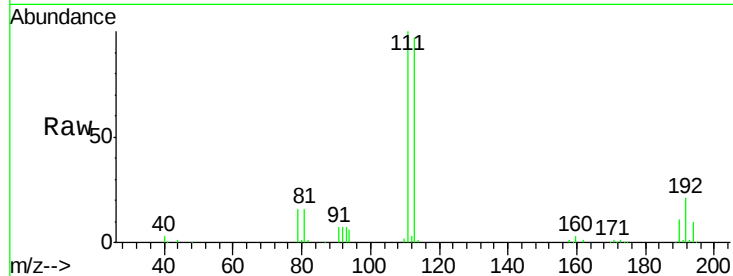




#35
 Dibromofluoromethane
 Concen: 49.517 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054051.D
 Acq: 2 Mar 2019 1:03

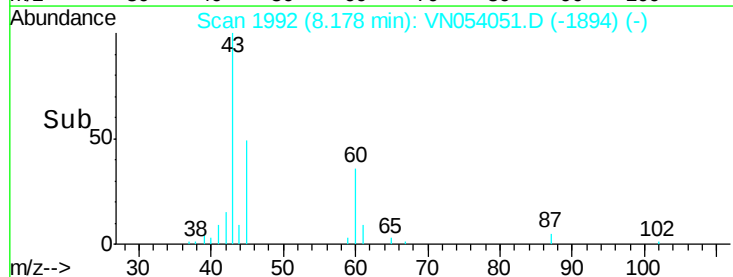
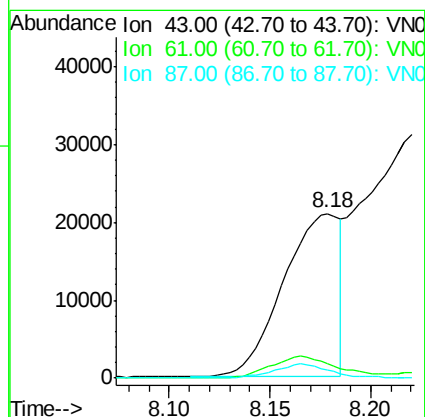
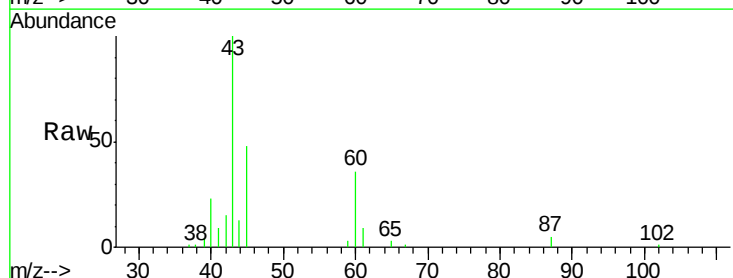
Instrument :
 MSVOA_N
 ClientSampled :
 Z-3-12-B

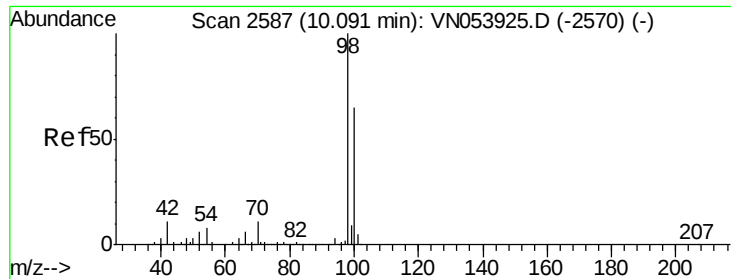
Tot Ion:113 Resp: 353603
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.1 121.7
 192 21.7 18.8 28.2



#43
 Isopropyl Acetate
 Concen: 3.298 ug/l
 RT: 8.18 min Scan# 1992
 Delta R.T. 0.02 min
 Lab File: VN054051.D
 Acq: 2 Mar 2019 1:03

Tgt Ion: 43 Resp: 40837
 Ion Ratio Lower Upper
 43 100
 61 16.0 17.4 26.0#
 87 8.4 11.5 17.3#





#50

Toluene-d8

Concen: 52.783 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054051.D

Acq: 2 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

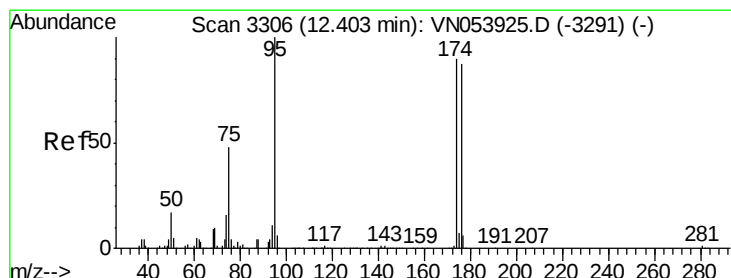
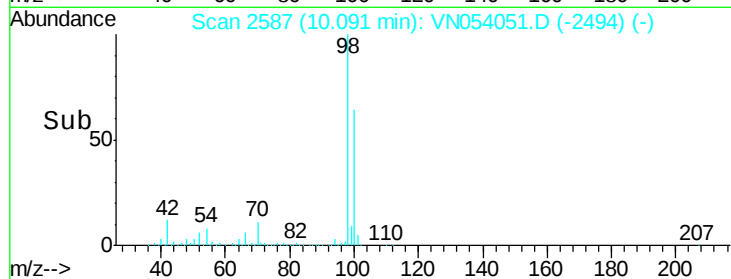
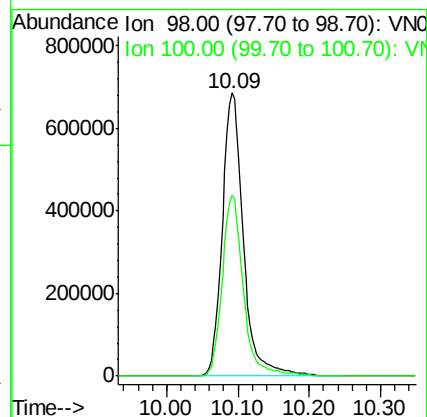
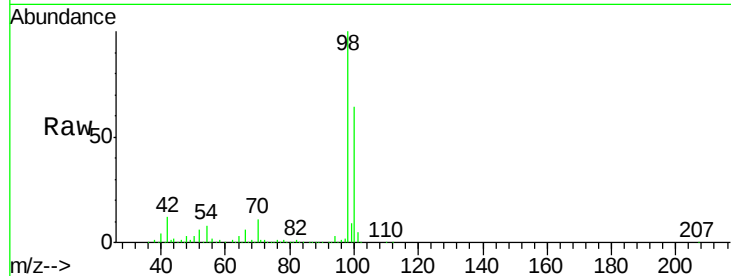
Z-3-12-B

Tot Ion: 98 Resp: 1403134

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 53.998 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054051.D

Acq: 2 Mar 2019 1:03

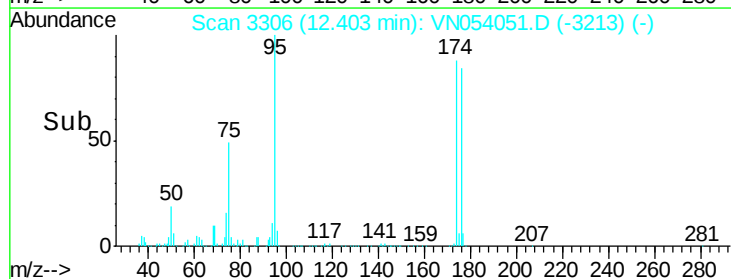
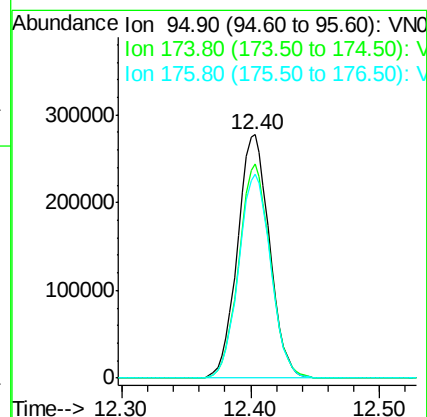
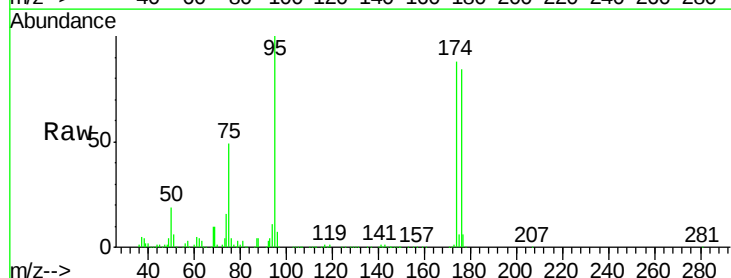
Tgt Ion: 95 Resp: 478236

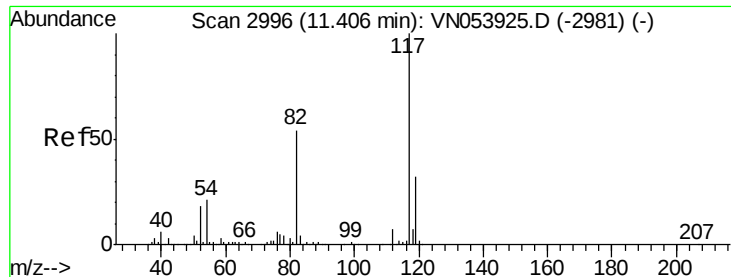
Ion Ratio Lower Upper

95 100

174 86.7 0.0 188.8

176 84.0 0.0 182.6

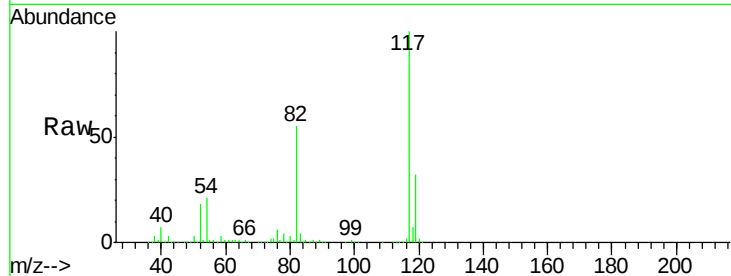




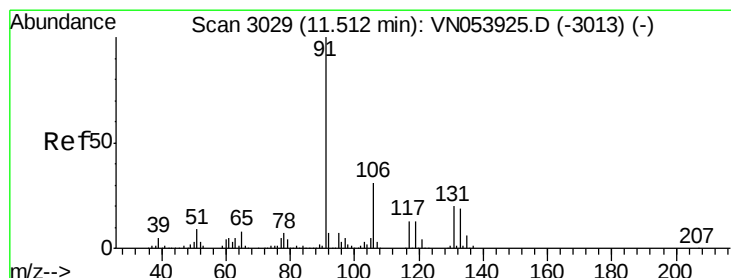
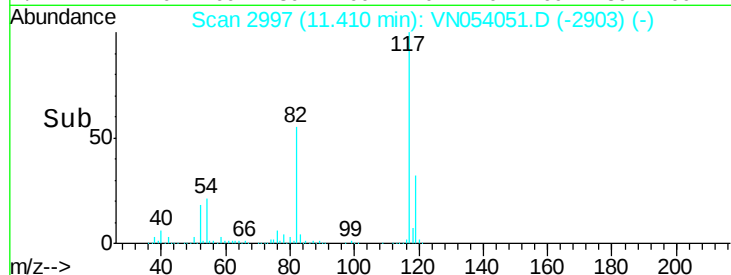
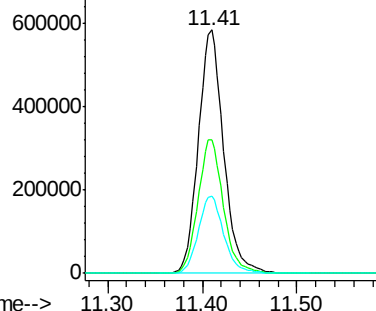
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054051.D
Acq: 2 Mar 2019 1:03

Instrument :
MSVOA_N
ClientSampled :
Z-3-12-B

Tot Ion:117 Resp: 1084220
Ion Ratio Lower Upper
117 100
82 55.0 41.4 62.2
119 31.7 25.3 37.9

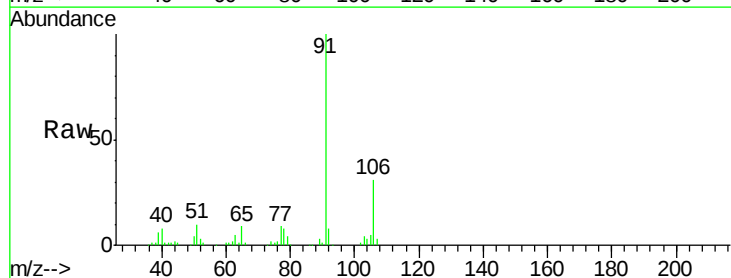


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

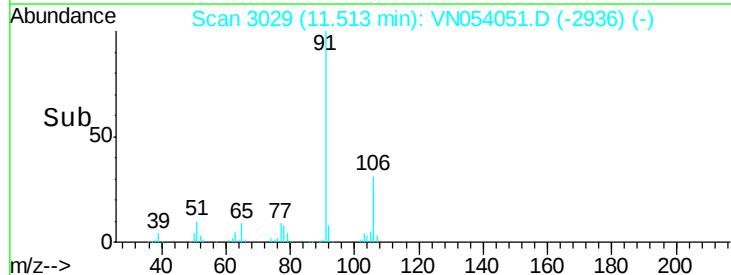
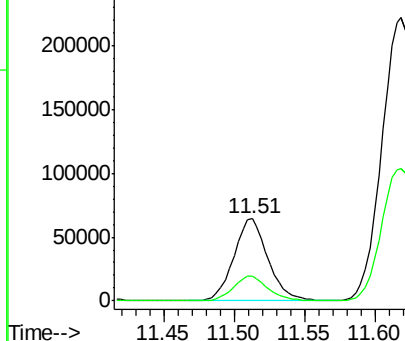


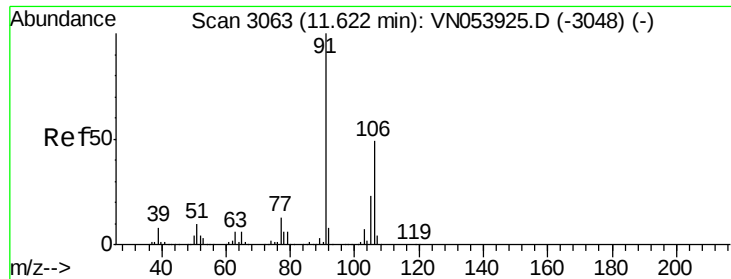
#67
Ethyl Benzene
Concen: 2.865 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054051.D
Acq: 2 Mar 2019 1:03

Tgt Ion: 91 Resp: 109911
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

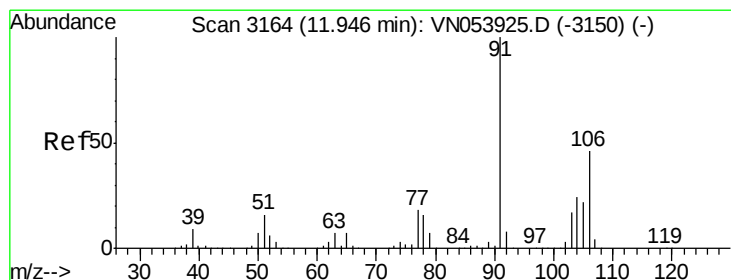
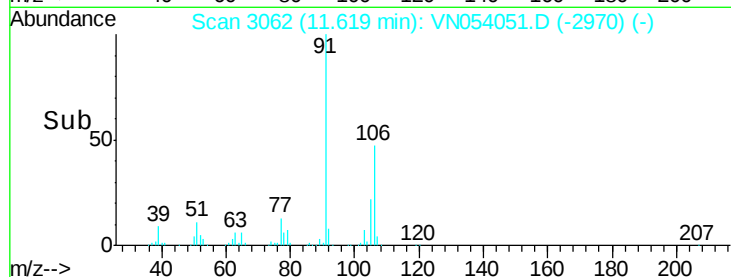
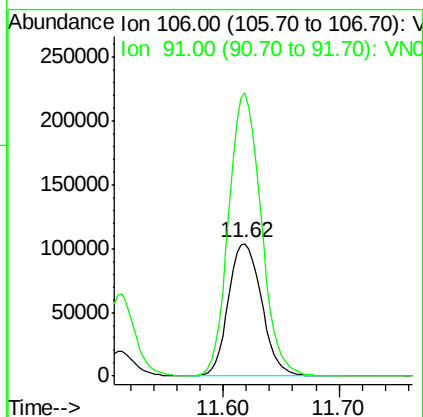
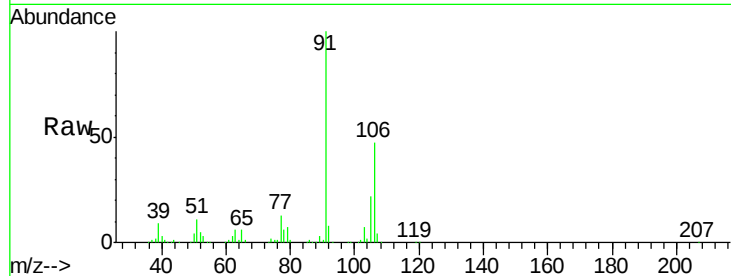




#68
m/p-Xylenes
Concen: 14.277 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054051.D
Acq: 2 Mar 2019 1:03

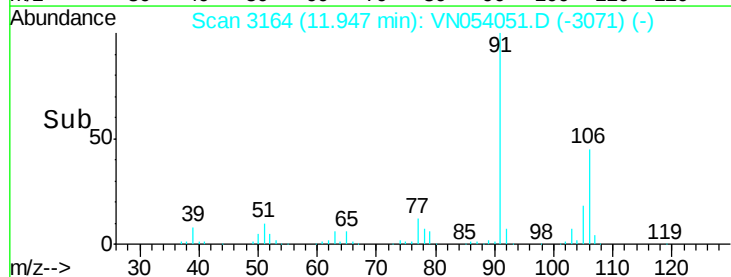
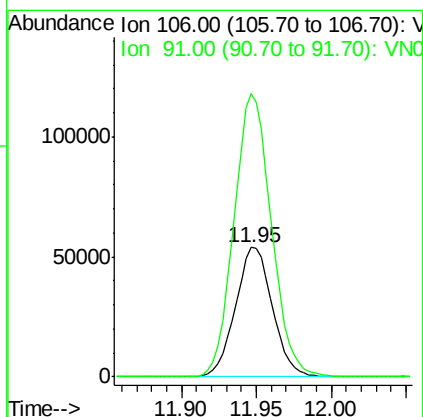
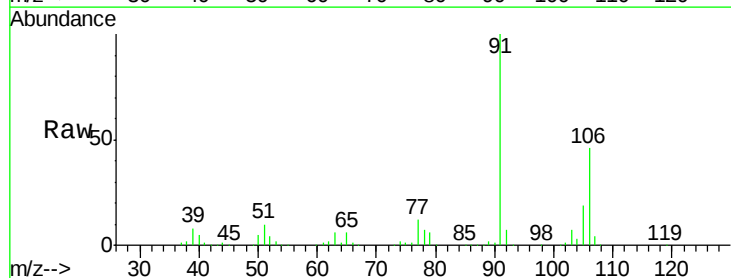
Instrument :
MSVOA_N
ClientSampled :
Z-3-12-B

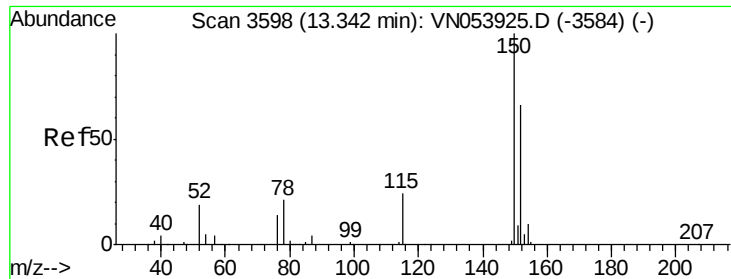
Tot Ion:106 Resp: 206696
Ion Ratio Lower Upper
106 100
91 208.2 158.9 238.3



#69
o-Xylene
Concen: 6.543 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054051.D
Acq: 2 Mar 2019 1:03

Tgt Ion:106 Resp: 93084
Ion Ratio Lower Upper
106 100
91 220.7 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054051.D

Acq: 2 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampled :

Z-3-12-B

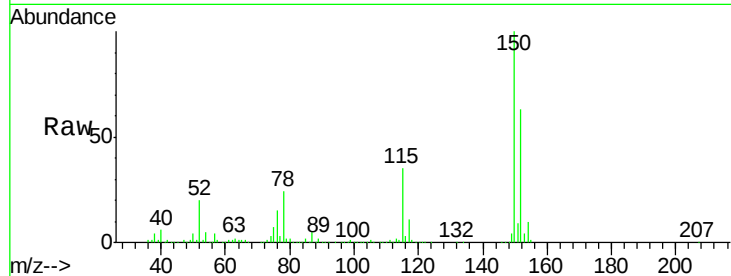
Tot Ion:152 Resp: 428304

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

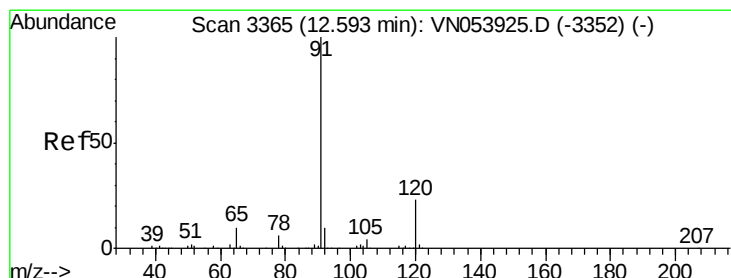
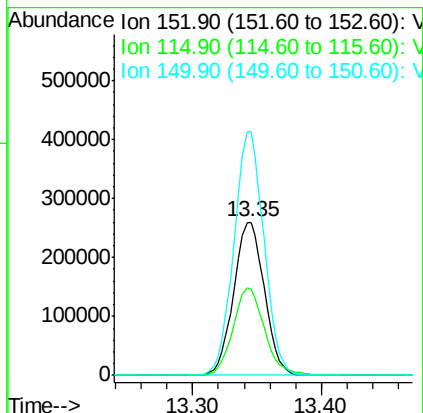
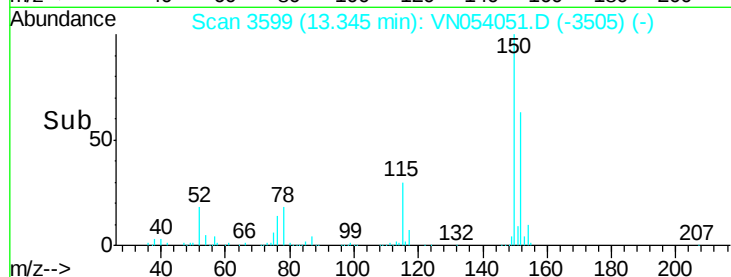
150 156.0 0.0 348.2



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



#78

n-propylbenzene

Concen: 1.073 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054051.D

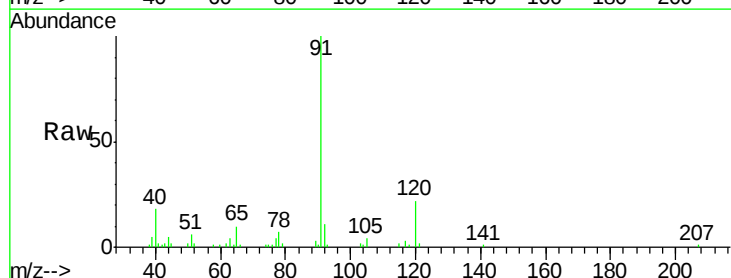
Acq: 2 Mar 2019 1:03

Tgt Ion: 91 Resp: 40699

Ion Ratio Lower Upper

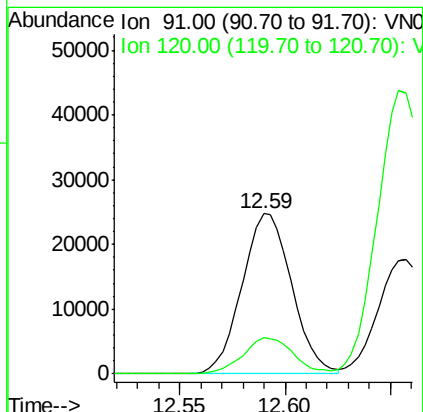
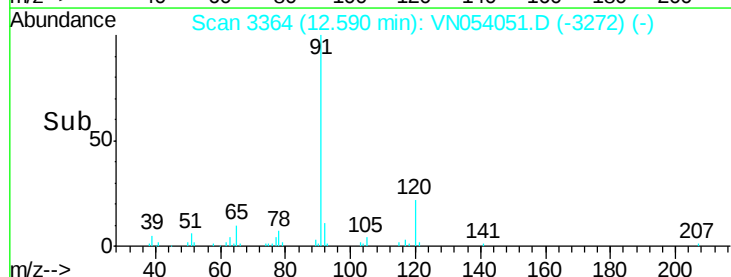
91 100

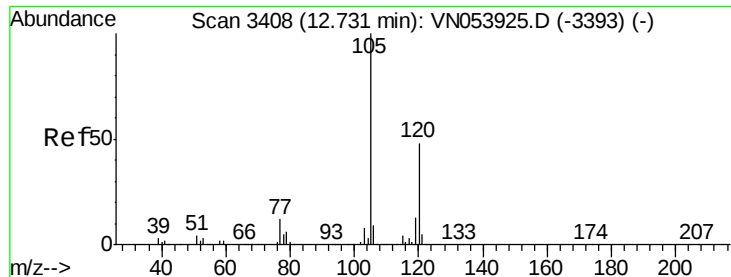
120 22.9 11.9 35.9



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: 6.253 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054051.D

Acq: 2 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampled :

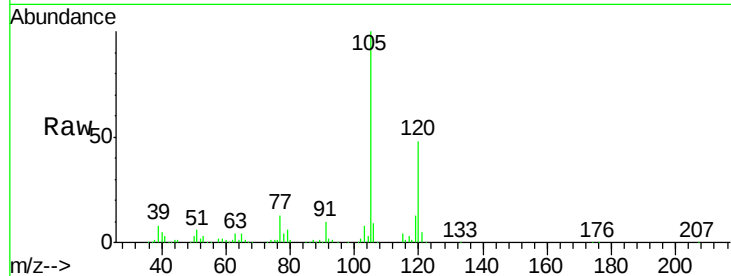
Z-3-12-B

Tot Ion:105 Resp: 170672

Ion Ratio Lower Upper

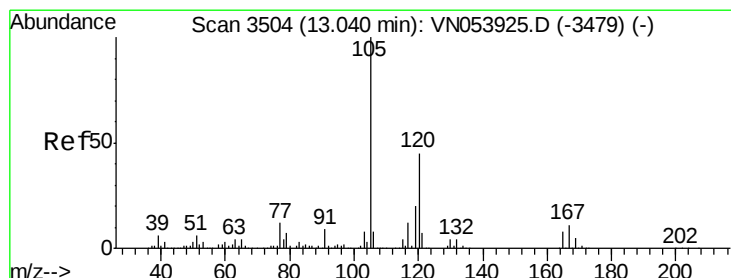
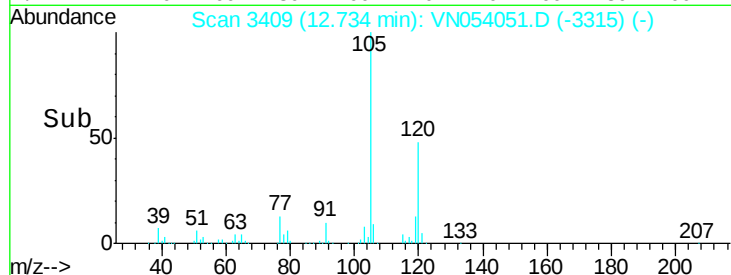
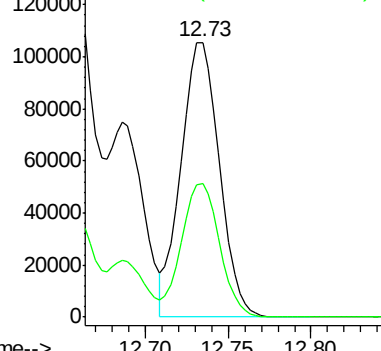
105 100

120 48.0 25.1 75.2



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: 32.048 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054051.D

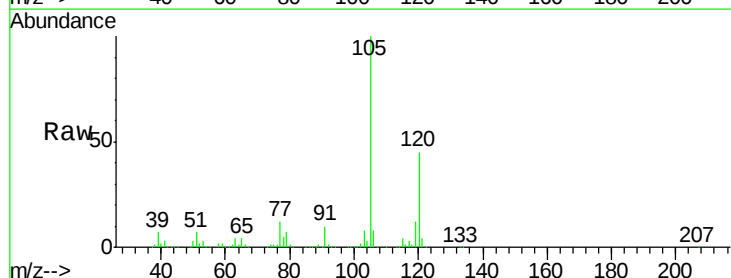
Acq: 2 Mar 2019 1:03

Tgt Ion:105 Resp: 873295

Ion Ratio Lower Upper

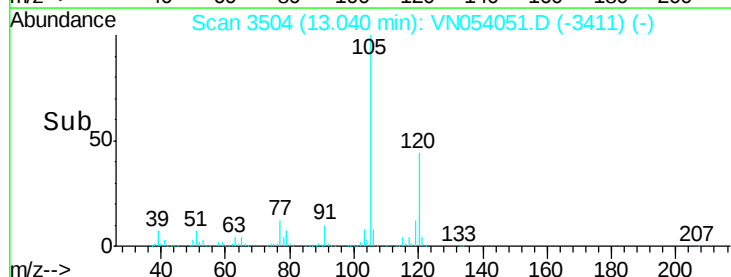
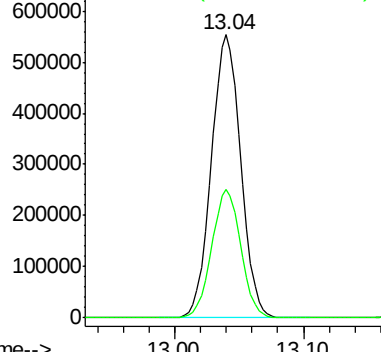
105 100

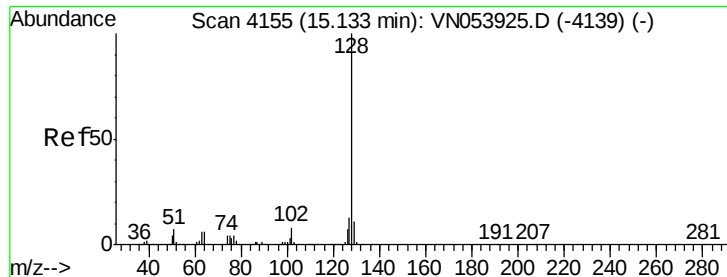
120 45.0 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 5.031 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054051.D

Acq: 2 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

Z-3-12-B

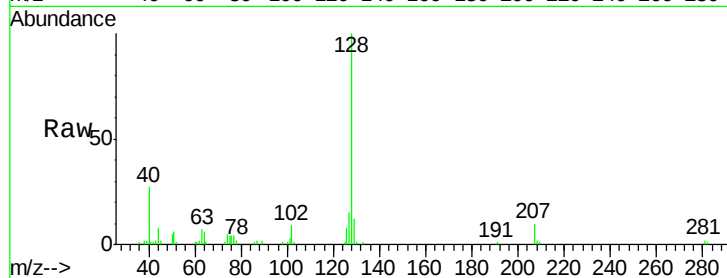
Tot Ion:128 Resp: 32964

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 12.1 8.6 12.8



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

