

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054292.D
 Acq On : 15 Mar 2019 5:55
 Operator : JC/SP
 Sample : K1902-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 51064

Quant Time: Mar 15 07:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1327436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2208189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2302038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	999409	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	711463	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	684573	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	10.09	98	2732969	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.40	95	1037432	56.37	ug/l	0.00
Spiked Amount			Recovery	=	112.74%	

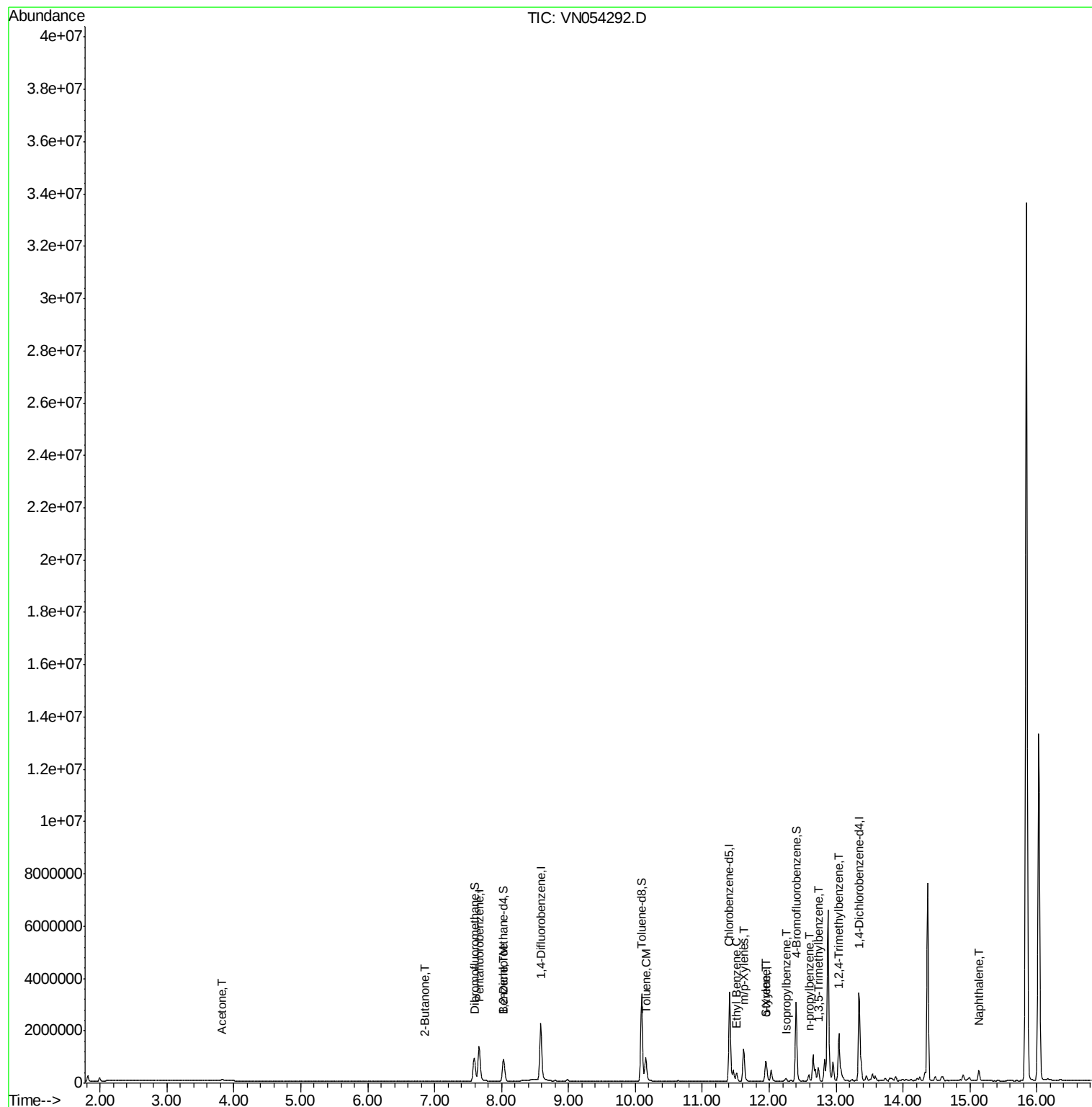
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	91938	22.777	ug/l	94
25) 2-Butanone	6.86	43	28817	6.083	ug/l	96
40) Benzene	8.04	78	97707	1.679	ug/l	95
52) Toluene	10.16	92	409193	11.090	ug/l	100
67) Ethyl Benzene	11.51	91	228036	2.722	ug/l	99
68) m/p-Xylenes	11.62	106	426426	13.021	ug/l	99
69) o-Xylene	11.95	106	205267	6.430	ug/l	97
70) Styrene	11.96	104	158464	3.165	ug/l #	87
73) Isopropylbenzene	12.25	105	80250	1.004	ug/l	100
78) n-propylbenzene	12.59	91	193456	2.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	295606	4.445	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	941078	14.423	ug/l	100
95) Naphthalene	15.13	128	361853	11.152	ug/l	99

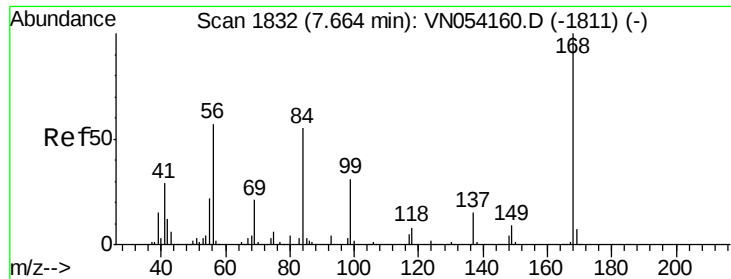
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1833

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

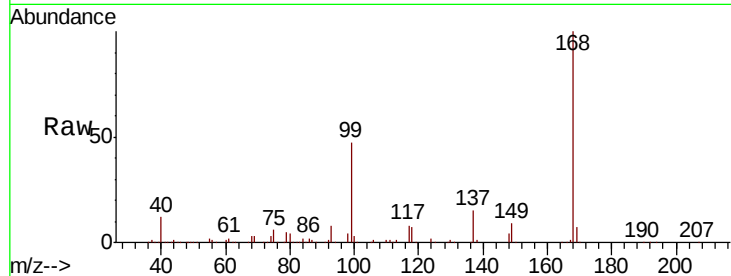
51064

Tgt Ion:168 Resp: 1327436

Ion Ratio Lower Upper

168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054292.D (-543) (-)

Ion 98.90 (98.60 to 99.60): VN054292.D (-543) (-)

7.67

600000

500000

400000

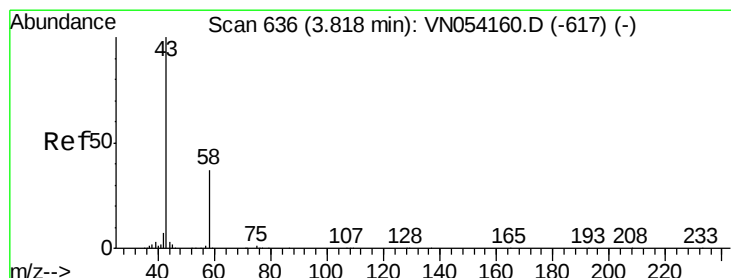
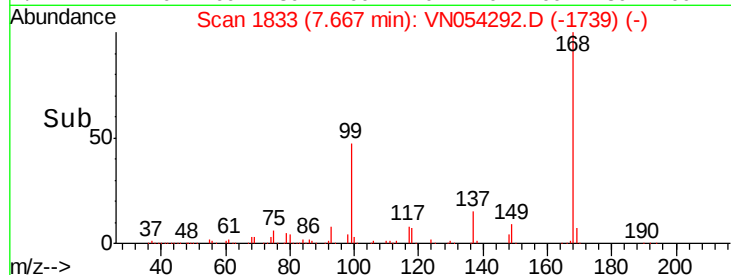
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 22.777 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054292.D

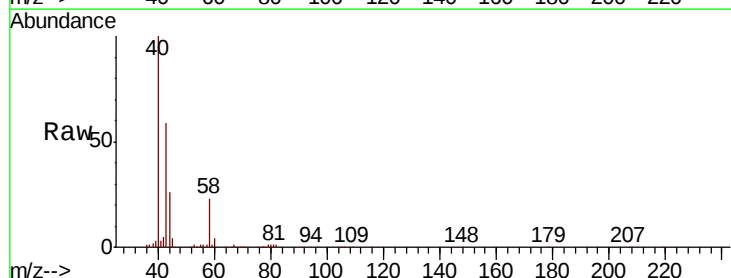
Acq: 15 Mar 2019 5:55

Tgt Ion: 43 Resp: 91938

Ion Ratio Lower Upper

43 100

58 41.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054292.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054292.D (-543) (-)

3.82

40000

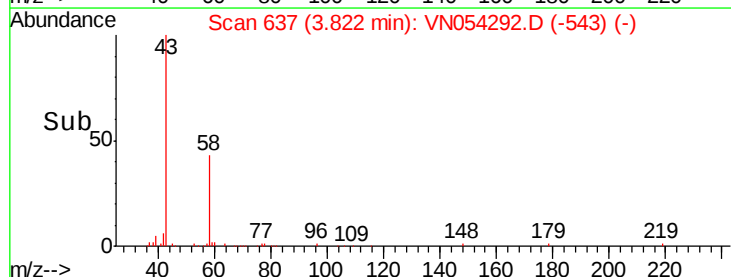
30000

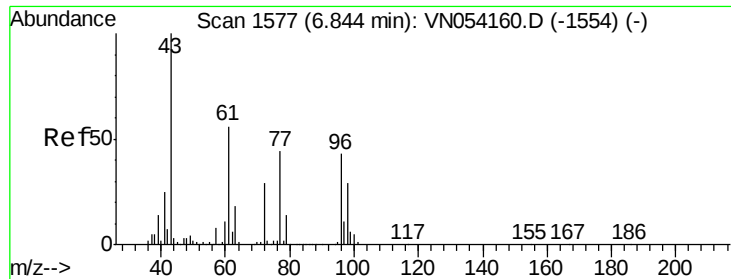
20000

10000

0

Time--> 3.70 3.75 3.80 3.85 3.90

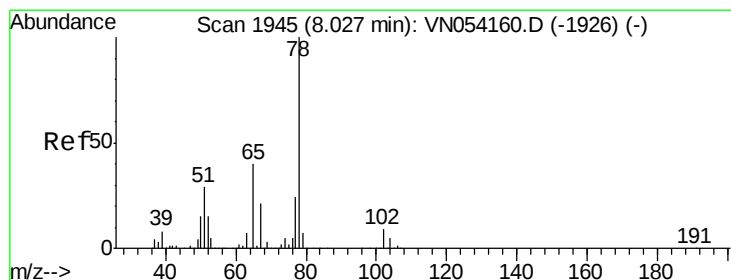
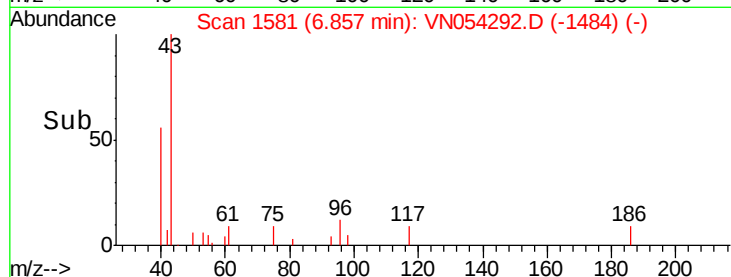
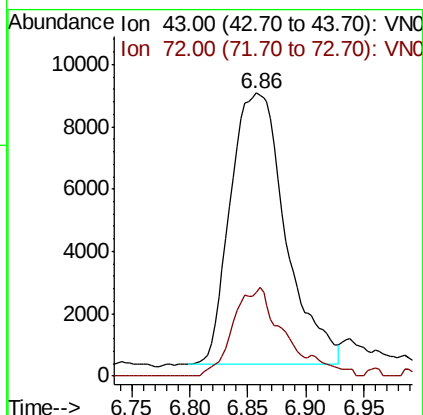
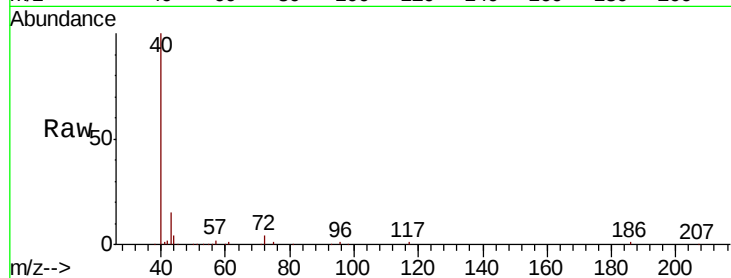




#25
 2-Butanone
 Concen: 6.083 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

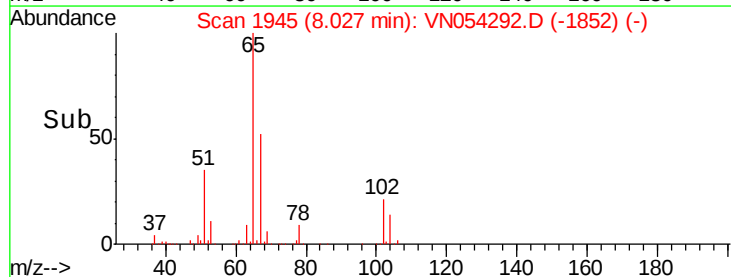
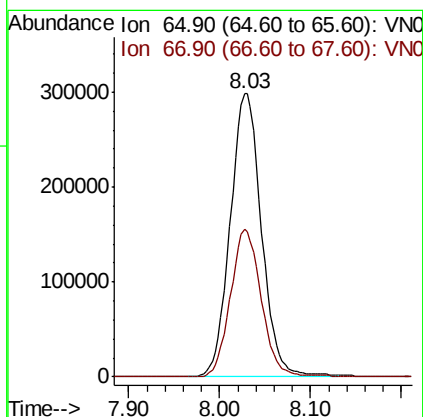
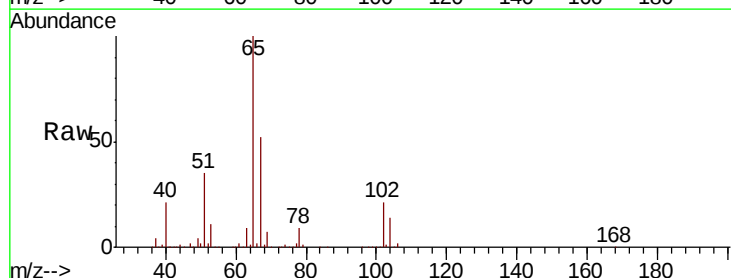
Instrument :
 MSVOA_N
 ClientSampleId :
 51064

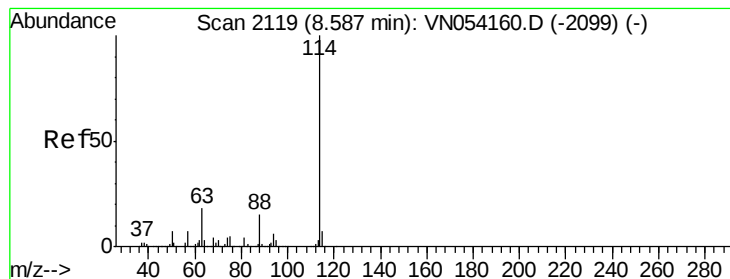
Tgt Ion: 43 Resp: 28817
 Ion Ratio Lower Upper
 43 100
 72 30.8 23.0 34.6



#33
 1,2-Dichloroethane-d4
 Concen: 50.468 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Tgt Ion: 65 Resp: 711463
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

51064

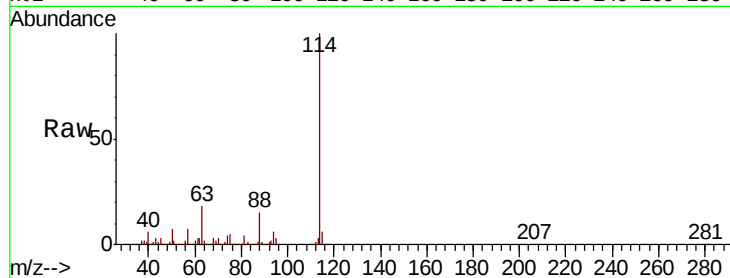
Tgt Ion:114 Resp: 2208189

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

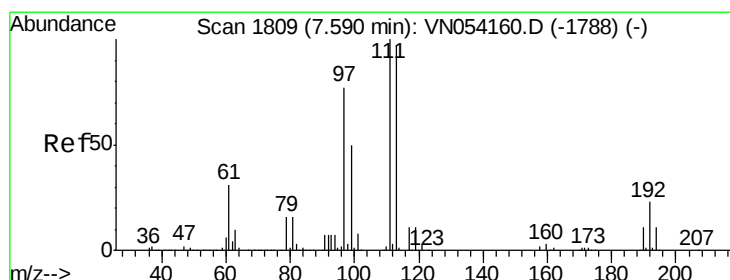
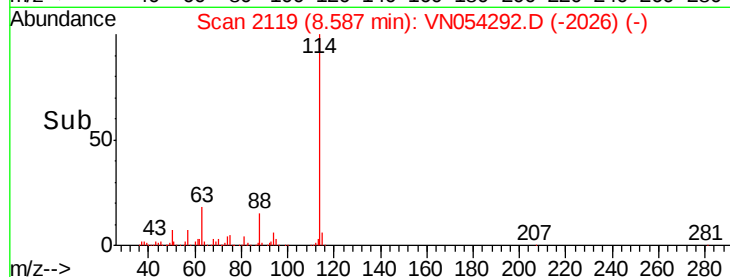
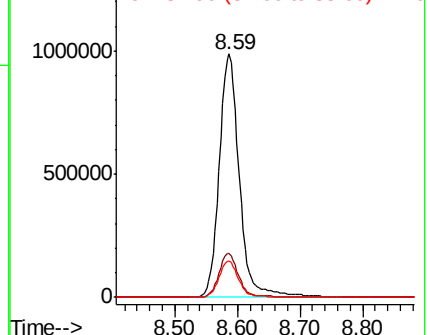
88 15.1 0.0 30.2



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: 48.067 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

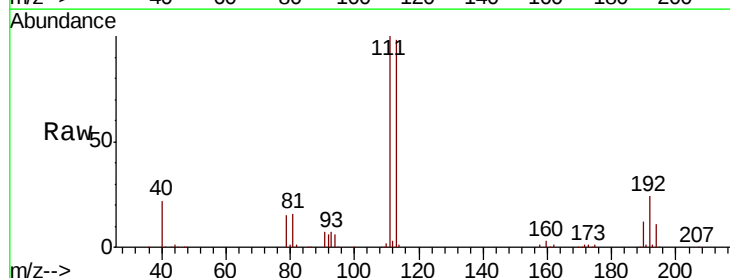
Tgt Ion:113 Resp: 684573

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

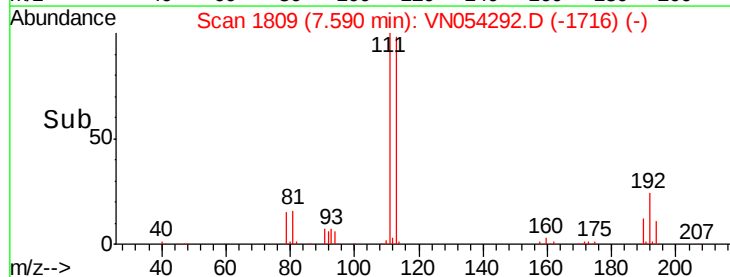
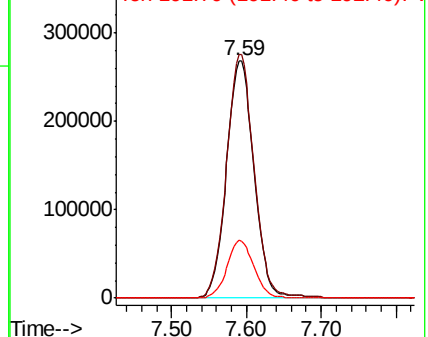
192 23.9 19.2 28.8

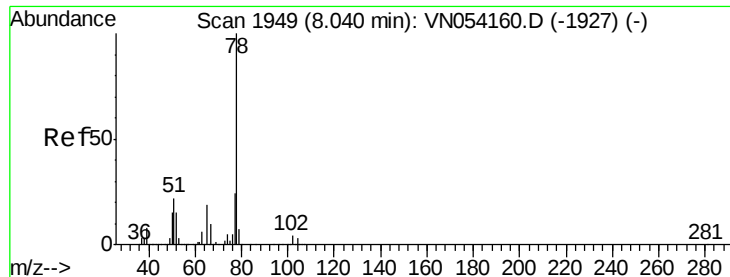


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.679 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampleId :

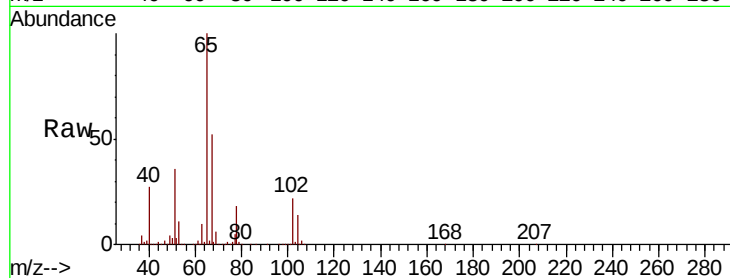
51064

Tgt Ion: 78 Resp: 97707

Ion Ratio Lower Upper

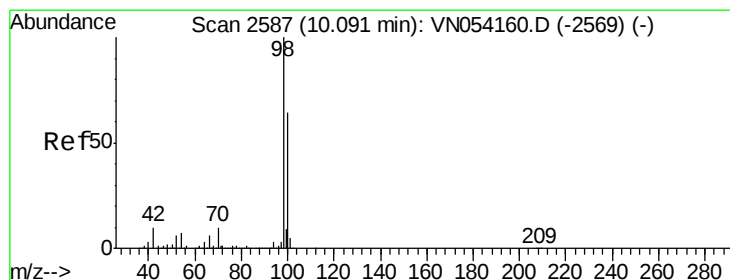
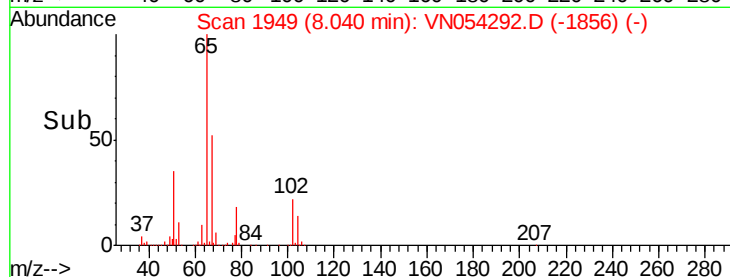
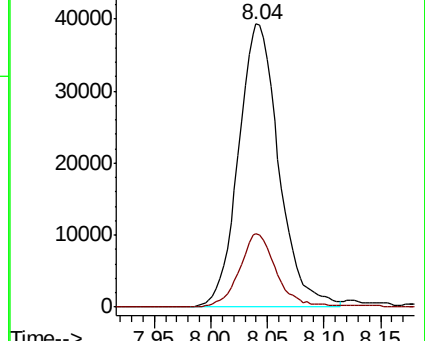
78 100

77 26.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 51.960 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054292.D

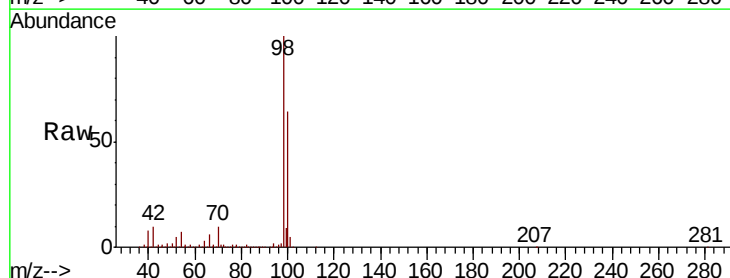
Acq: 15 Mar 2019 5:55

Tgt Ion: 98 Resp: 2732969

Ion Ratio Lower Upper

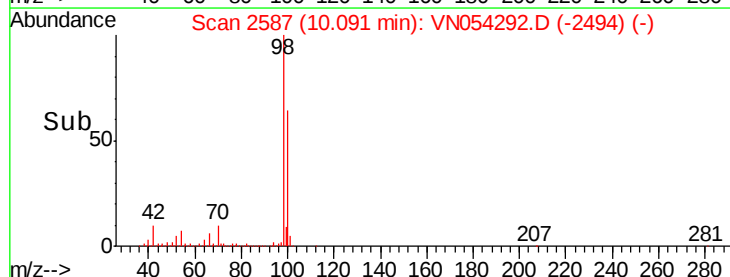
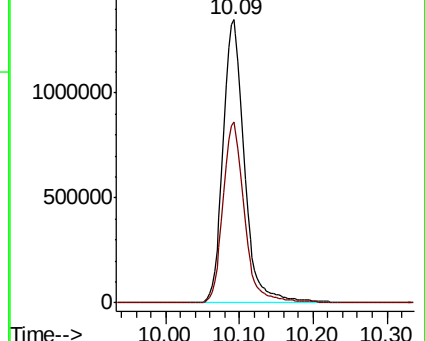
98 100

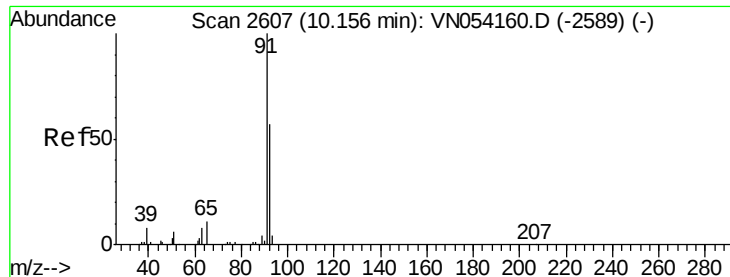
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 11.090 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

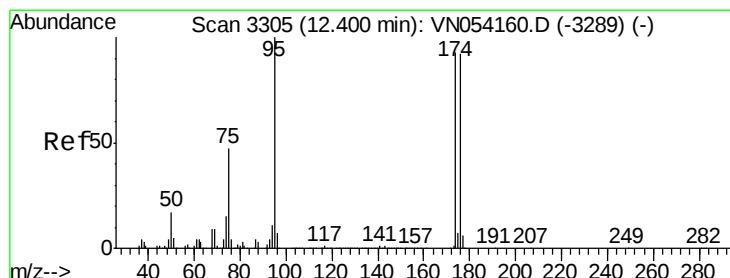
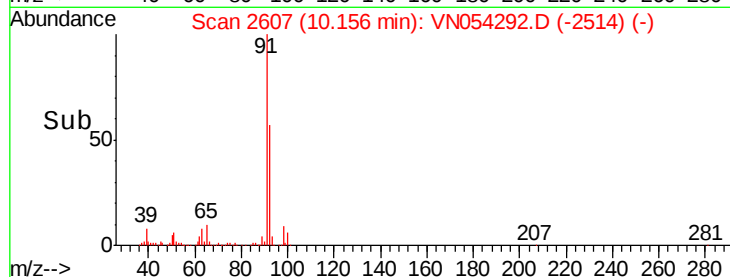
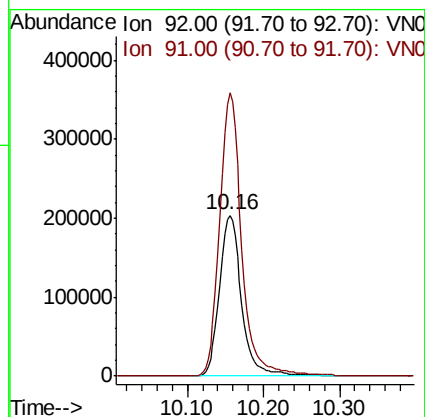
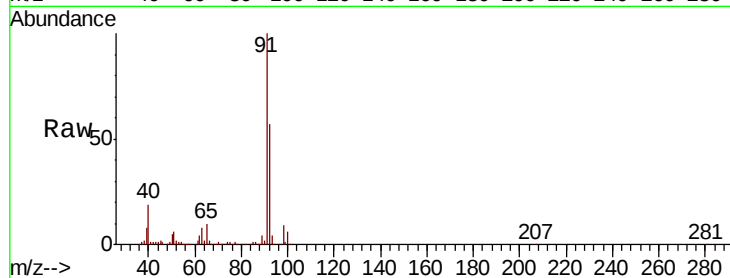
51064

Tgt Ion: 92 Resp: 409193

Ion Ratio Lower Upper

92 100

91 176.1 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 56.370 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

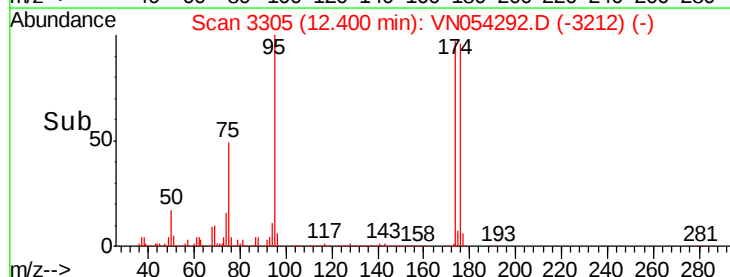
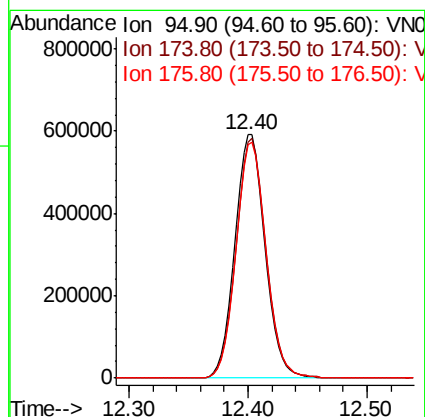
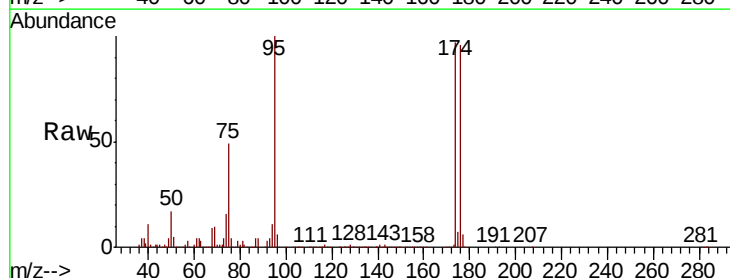
Tgt Ion: 95 Resp: 1037432

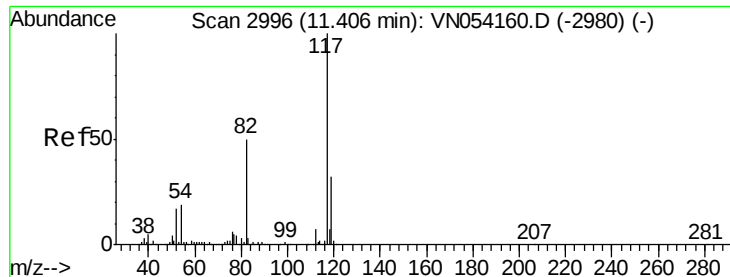
Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.0

176 96.4 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

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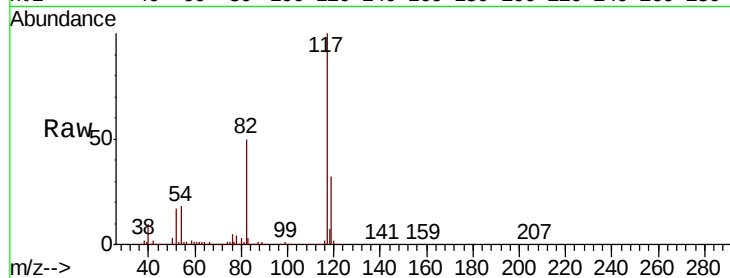
Tgt Ion:117 Resp: 2302038

Ion Ratio Lower Upper

117 100

82 50.4 40.0 60.0

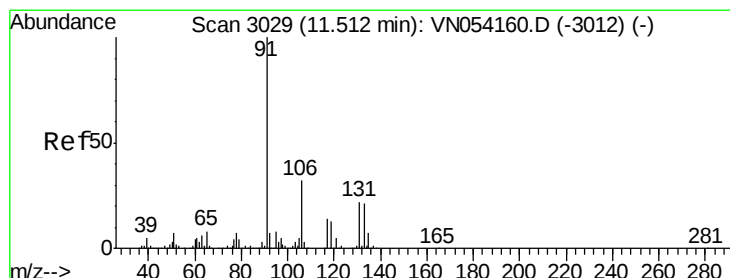
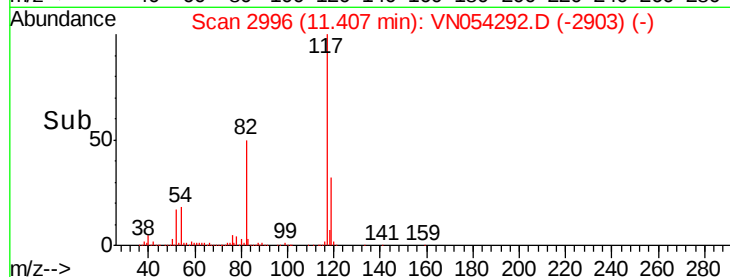
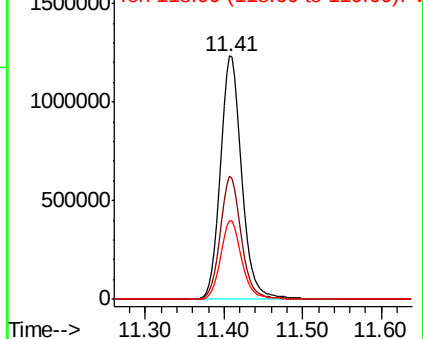
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 2.722 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054292.D

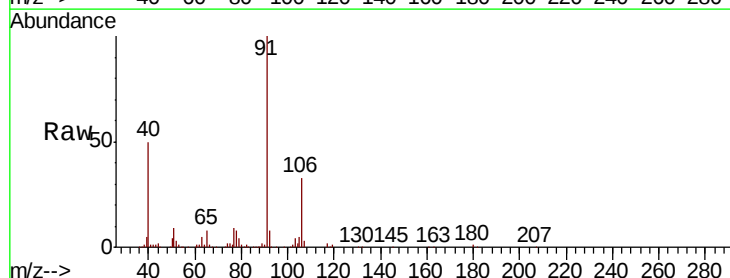
Acq: 15 Mar 2019 5:55

Tgt Ion: 91 Resp: 228036

Ion Ratio Lower Upper

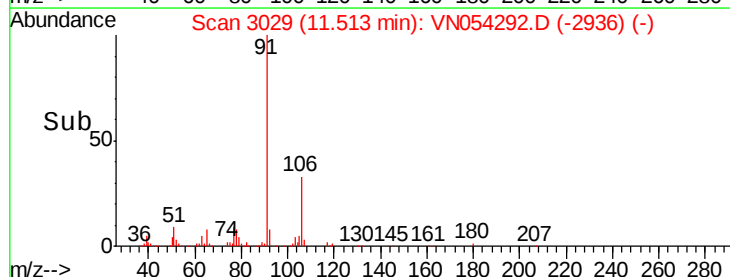
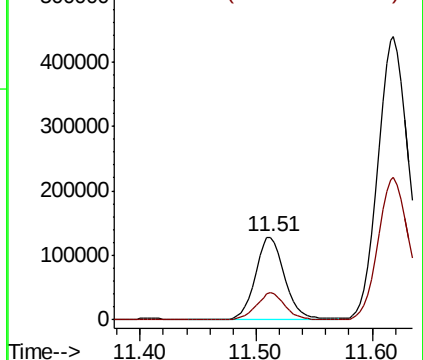
91 100

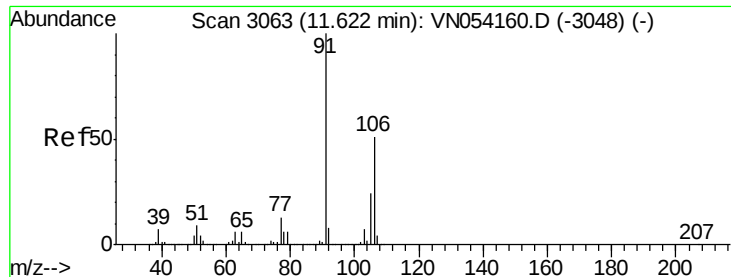
106 32.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

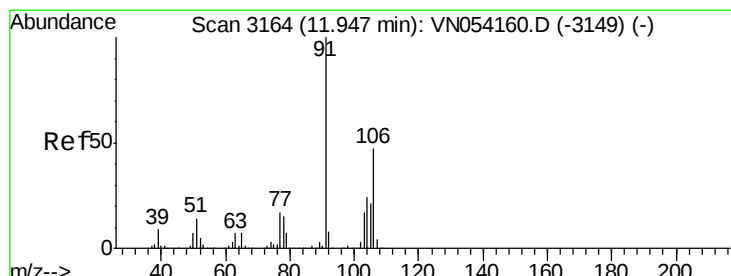
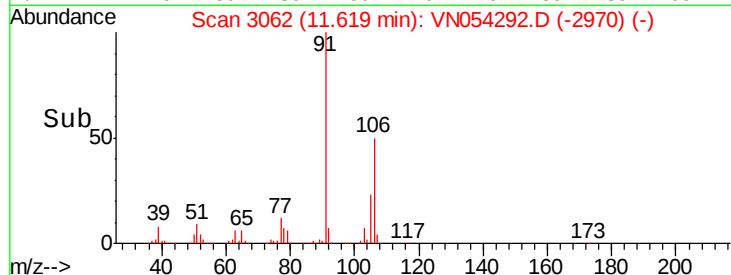
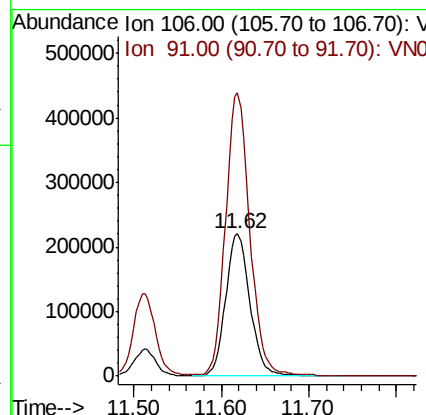
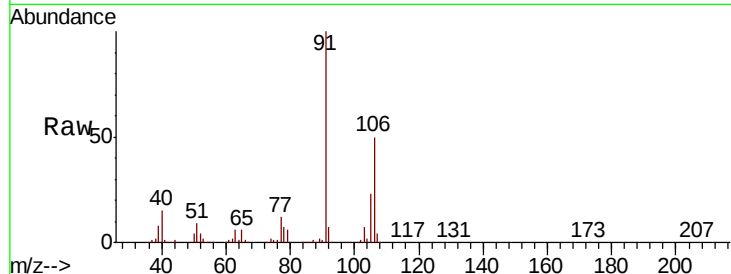




#68
m/p-Xylenes
Concen: 13.021 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

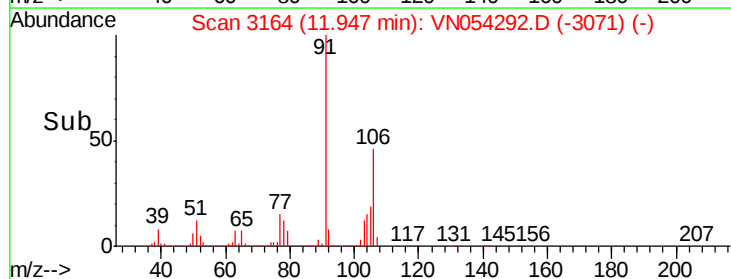
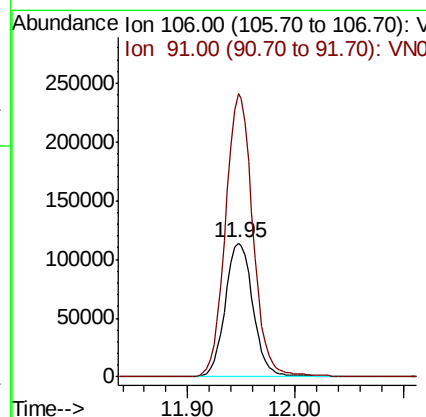
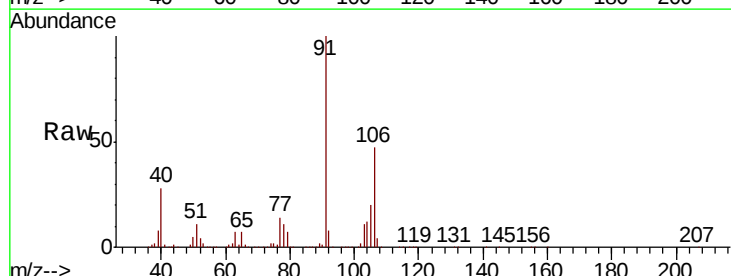
Instrument :
MSVOA_N
ClientSampled :
51064

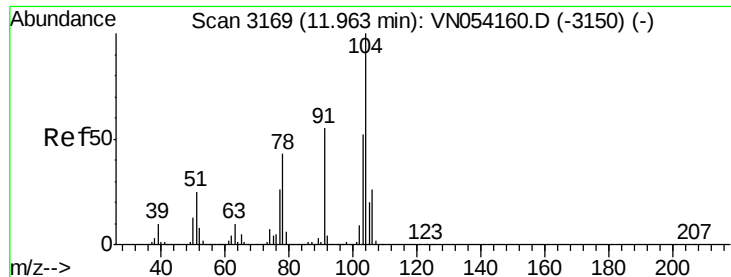
Tgt Ion:106 Resp: 426426
Ion Ratio Lower Upper
106 100
91 197.5 159.4 239.2



#69
o-Xylene
Concen: 6.430 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

Tgt Ion:106 Resp: 205267
Ion Ratio Lower Upper
106 100
91 206.7 105.7 317.1

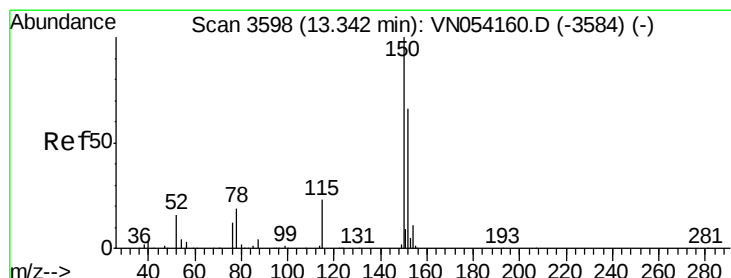
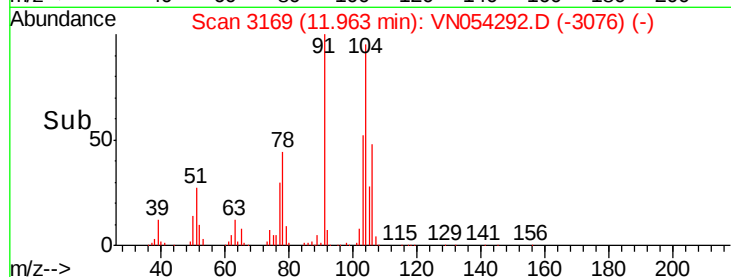
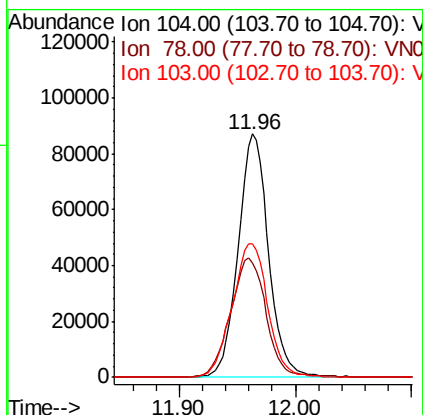
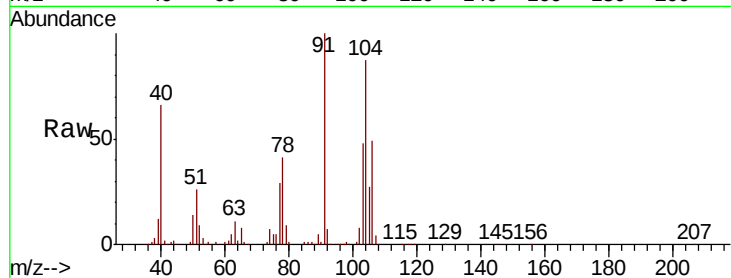




#70
Styrene
Concen: 3.165 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

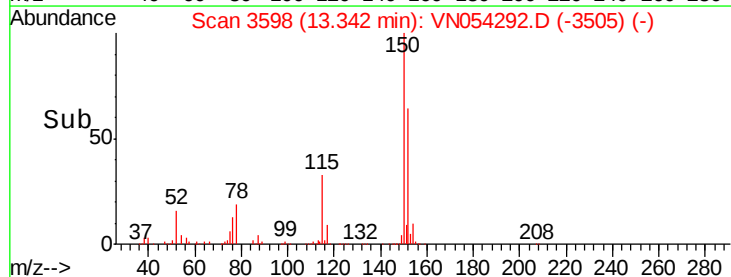
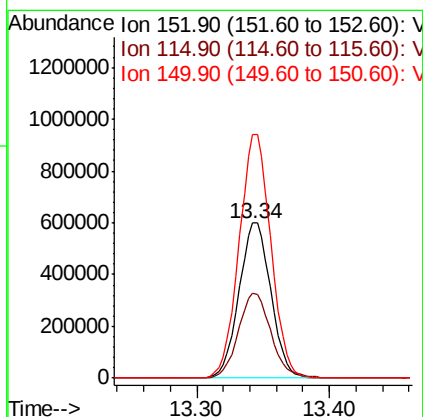
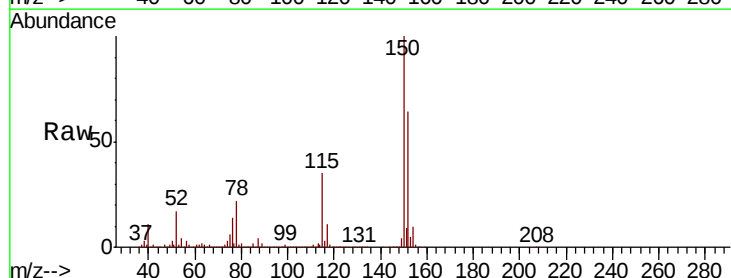
Instrument :
MSVOA_N
ClientSampleId :
51064

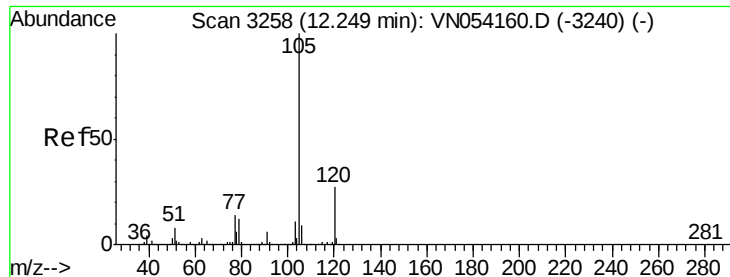
Tgt Ion:104 Resp: 158464
Ion Ratio Lower Upper
104 100
78 57.6 38.2 57.2#
103 64.3 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

Tgt Ion:152 Resp: 999409
Ion Ratio Lower Upper
152 100
115 56.1 27.2 81.6
150 156.2 0.0 349.2





#73

Isopropylbenzene

Concen: 1.004 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054292.D

Acq: 15 Mar 2019 5:55

Instrument :

MSVOA_N

ClientSampled :

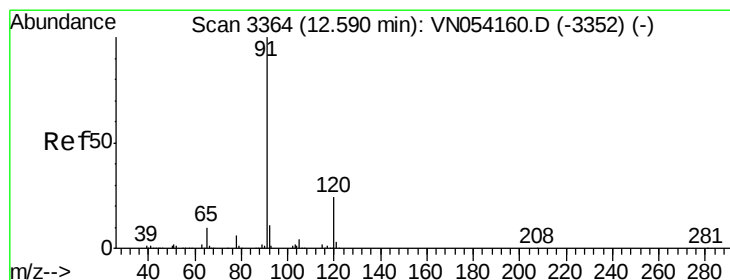
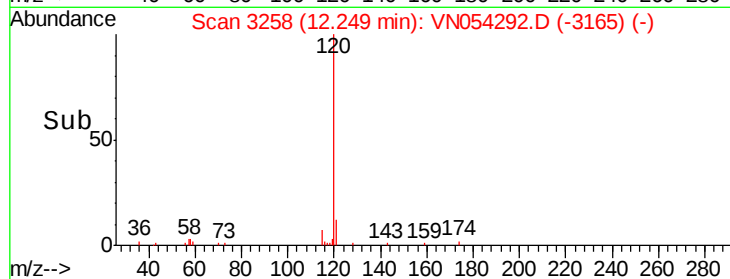
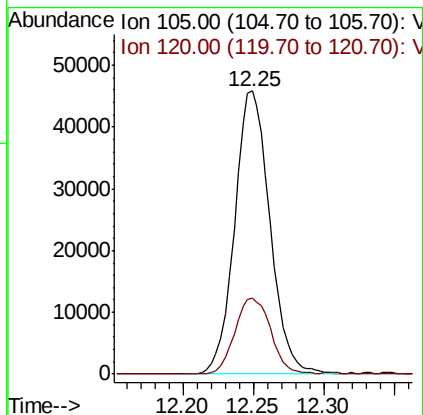
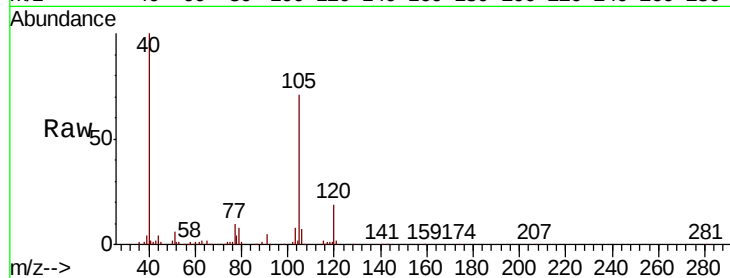
51064

Tgt Ion: 105 Resp: 80250

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



#78

n-propylbenzene

Concen: 2.230 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054292.D

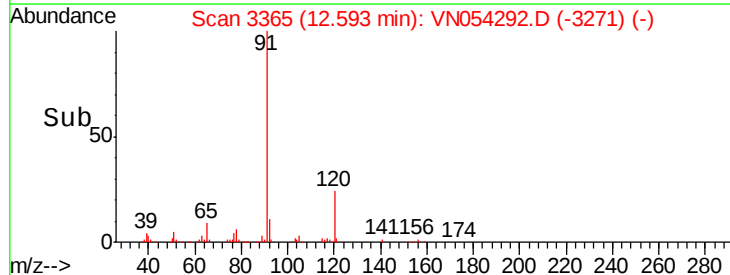
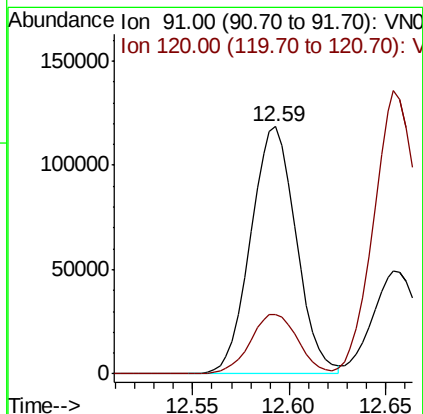
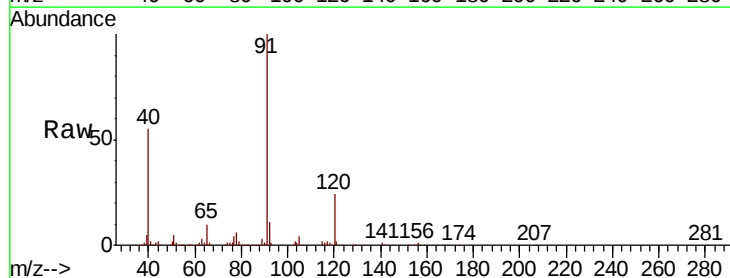
Acq: 15 Mar 2019 5:55

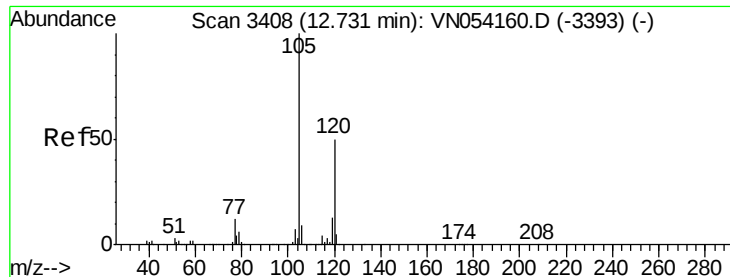
Tgt Ion: 91 Resp: 193456

Ion Ratio Lower Upper

91 100

120 25.3 12.3 36.9

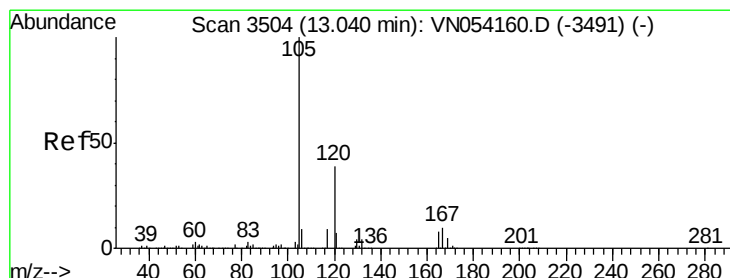
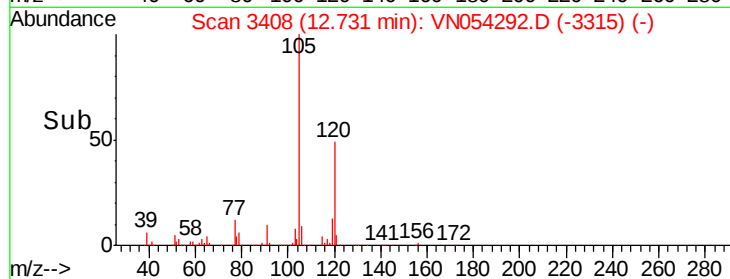
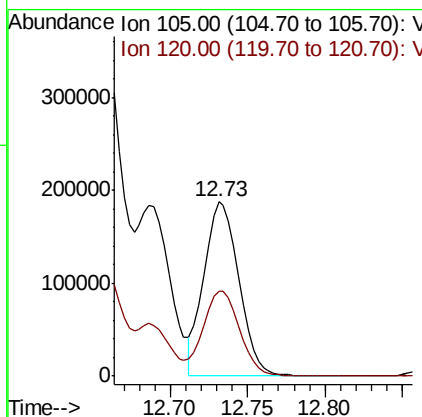
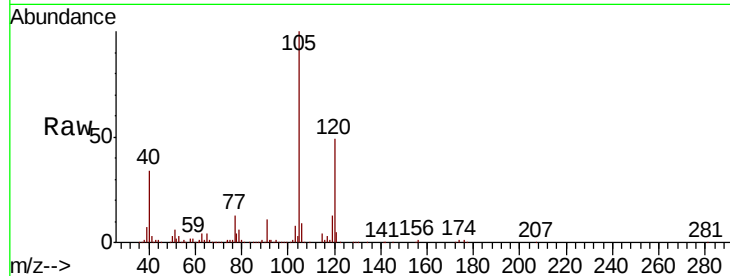




#80
 1,3,5-Trimethylbenzene
 Concen: 4.445 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

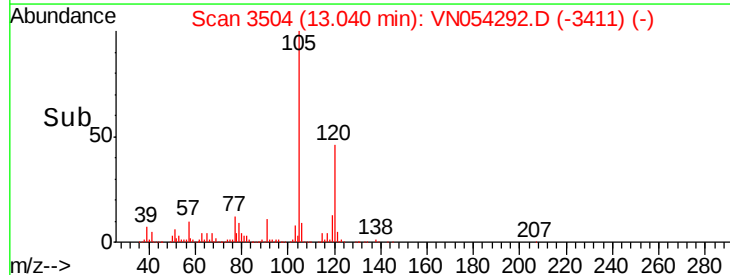
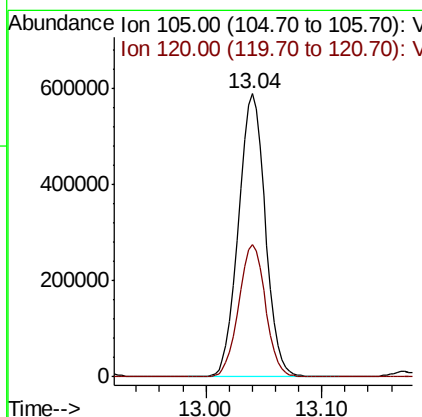
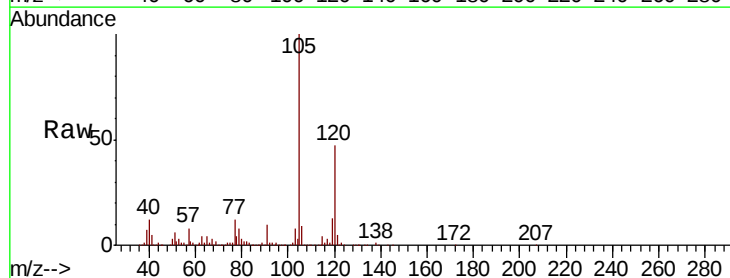
Instrument :
 MSVOA_N
 ClientSampled :
 51064

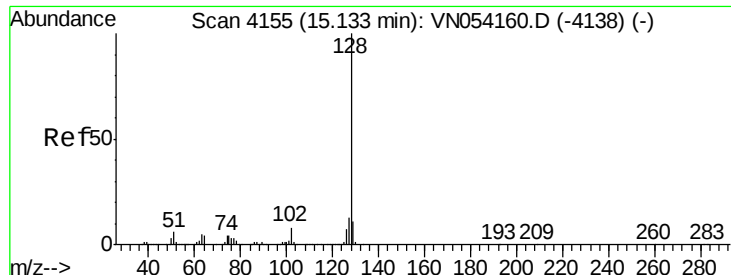
Tgt Ion:105 Resp: 295606
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.0 75.0



#84
 1,2,4-Trimethylbenzene
 Concen: 14.423 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054292.D
 Acq: 15 Mar 2019 5:55

Tgt Ion:105 Resp: 941078
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.3

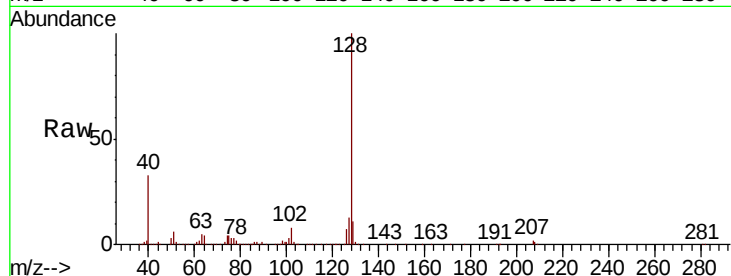




#95
Naphthalene
Concen: 11.152 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054292.D
Acq: 15 Mar 2019 5:55

Instrument :
MSVOA_N
ClientSampleId :
51064

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.1	8.7	13.1



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

