

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032319\
 Data File : VN054632.D
 Acq On : 24 Mar 2019 4:48
 Operator : JC/SP
 Sample : K2043-13
 Misc : 6.36g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(18-20)

Quant Time: Mar 25 05:43:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

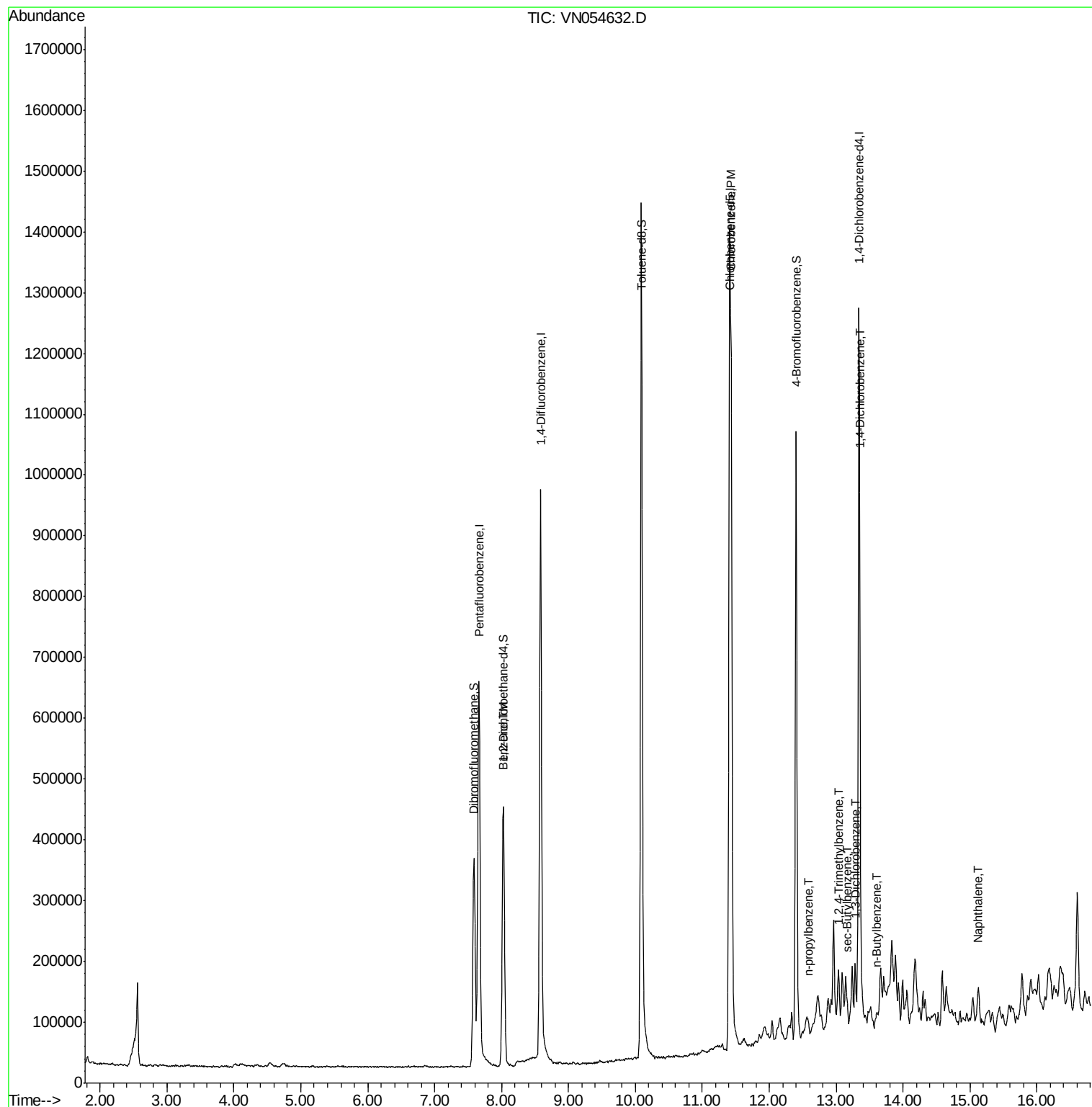
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	550164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	869553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	318928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	345346	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	260359	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
50) Toluene-d8	10.09	98	1049418	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	352097	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
Target Compounds						
40) Benzene	8.04	78	44997	1.935	ug/l	99
65) Chlorobenzene	11.43	112	551224	35.696	ug/l	99
78) n-propylbenzene	12.59	91	12013	0.431	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	38991	1.887	ug/l	97
85) sec-Butylbenzene	13.17	105	8888	0.389	ug/l #	50
87) 1,3-Dichlorobenzene	13.28	146	6052	0.573	ug/l #	80
88) 1,4-Dichlorobenzene	13.36	146	11425	1.112	ug/l #	57
89) n-Butylbenzene	13.61	91	10042	0.628	ug/l	93
95) Naphthalene	15.13	128	23476	2.064	ug/l #	88

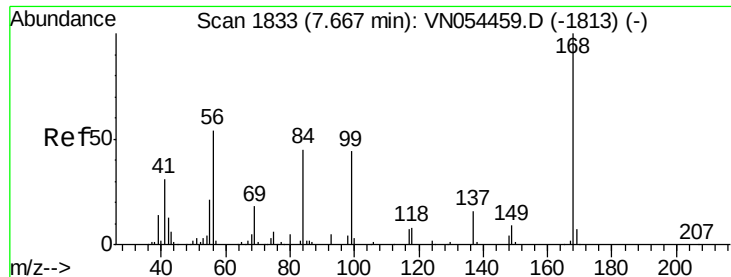
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032319\
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Quant Time: Mar 25 05:43:50 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

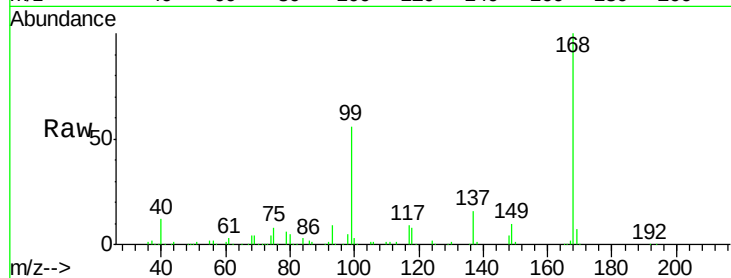
WP022SB443-190319-(18-20)

Tot Ion:168 Resp: 550164

Ion Ratio Lower Upper

168 100

99 55.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

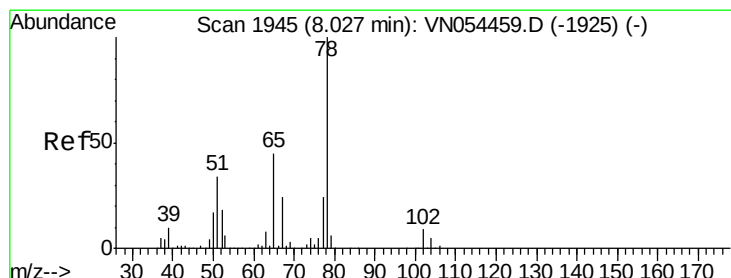
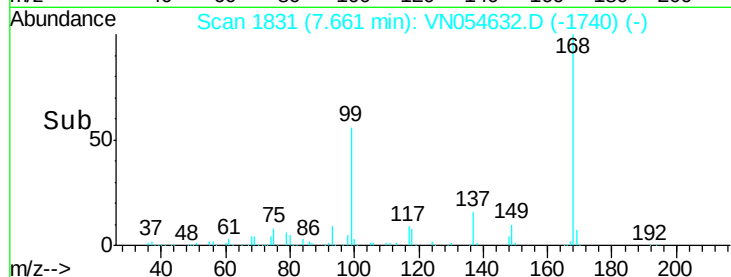
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.466 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054632.D

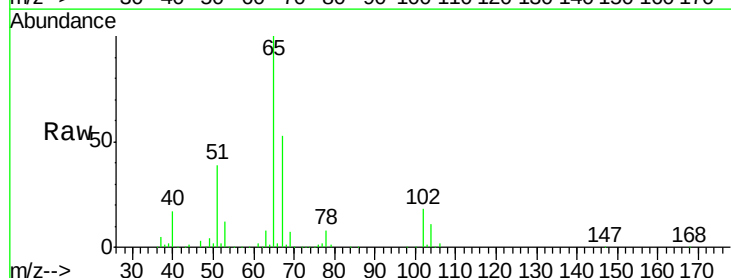
Acq: 24 Mar 2019 4:48

Tgt Ion: 65 Resp: 345346

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.02

150000

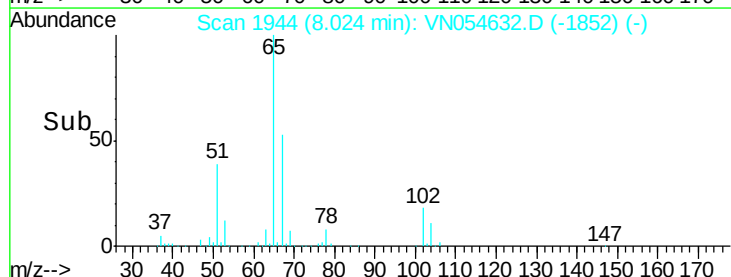
100000

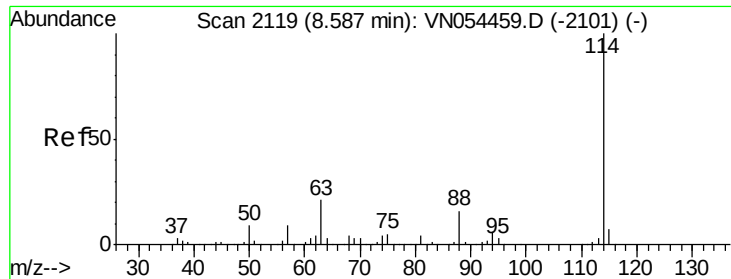
50000

0

7.90 8.00 8.10

Time-->

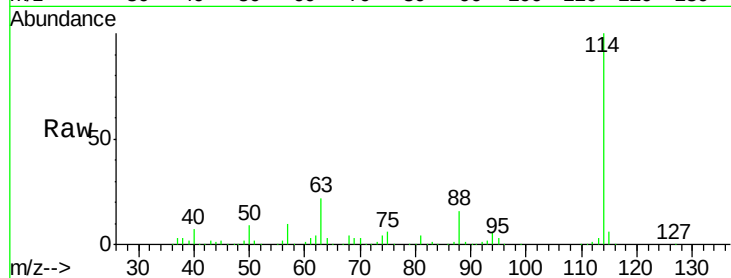




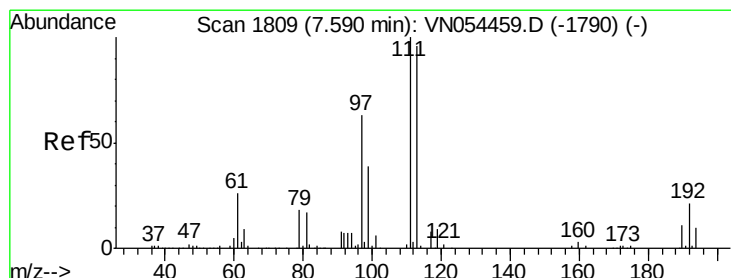
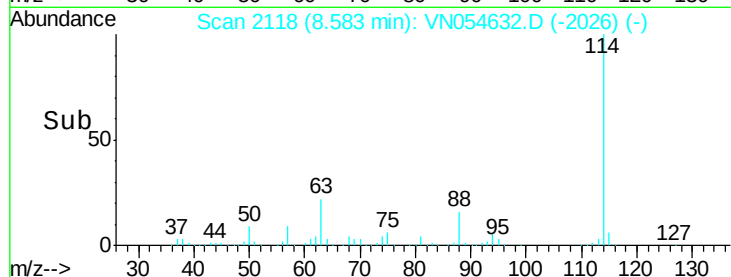
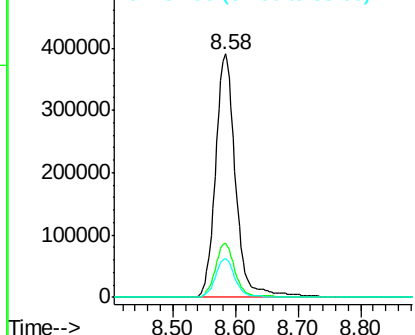
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054632.D
 Acq: 24 Mar 2019 4:48

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(18-20)

Tot Ion:114 Resp: 869553
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 15.9 0.0 30.2

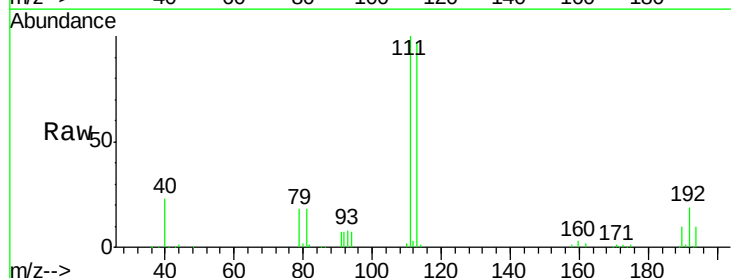


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

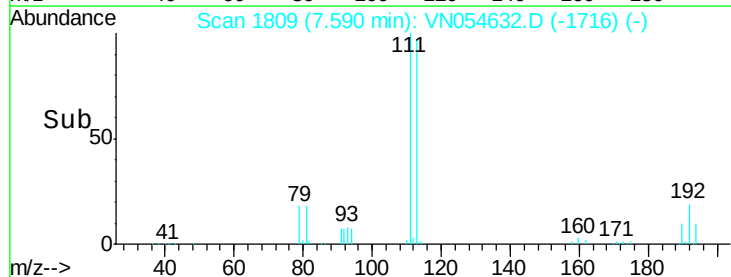
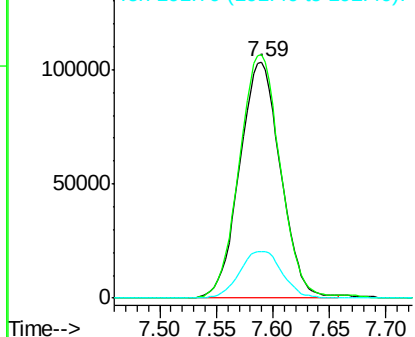


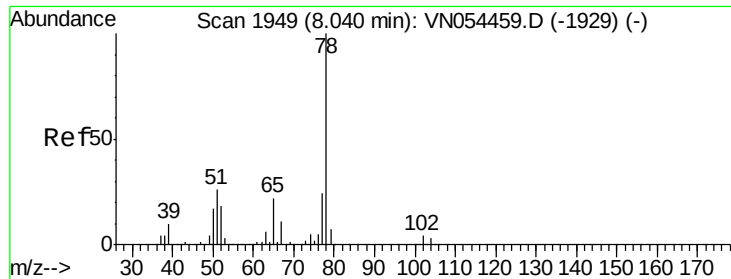
#35
 Dibromofluoromethane
 Concen: 46.475 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054632.D
 Acq: 24 Mar 2019 4:48

Tgt Ion:113 Resp: 260359
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 20.6 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: 1.935 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

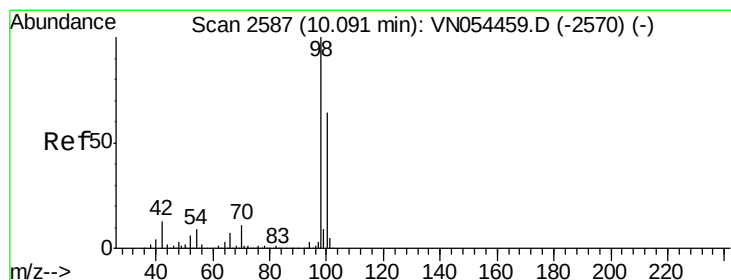
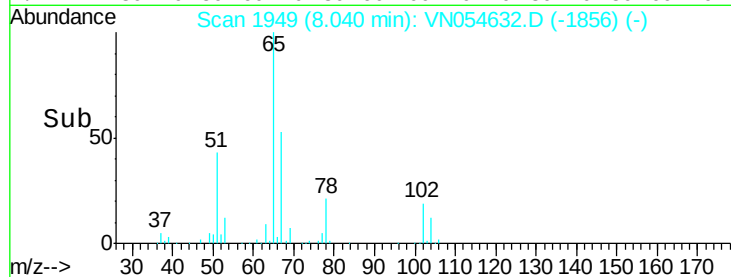
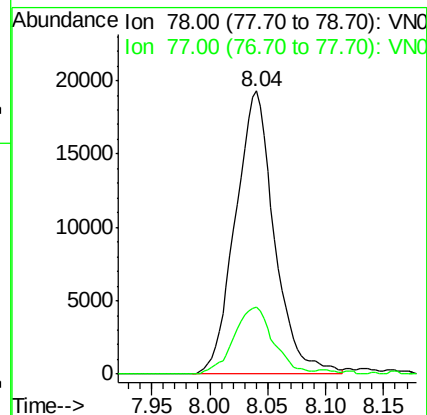
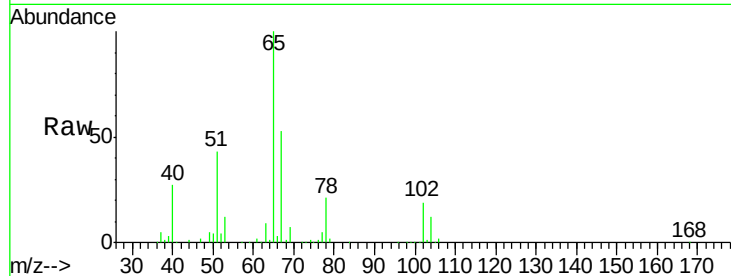
WP022SB443-190319-(18-20)

Tot Ion: 78 Resp: 44997

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7



#50

Toluene-d8

Concen: 49.829 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054632.D

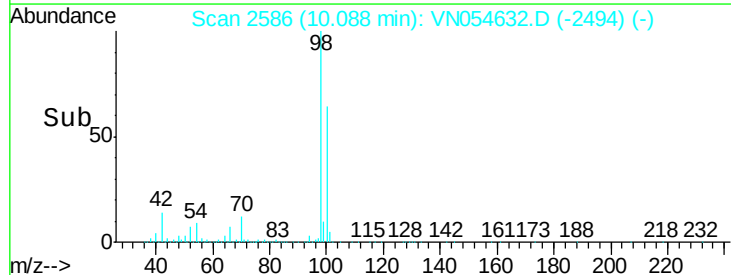
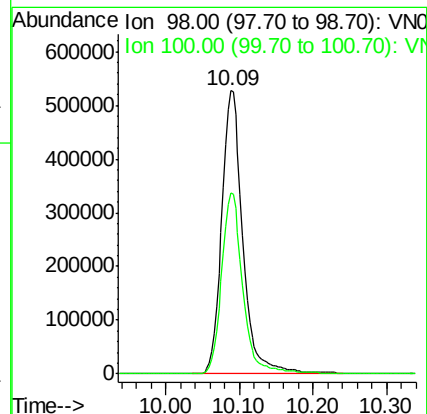
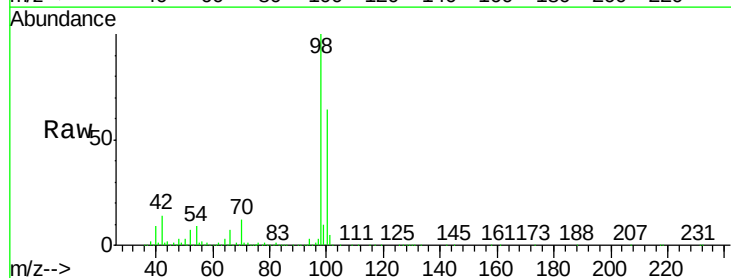
Acq: 24 Mar 2019 4:48

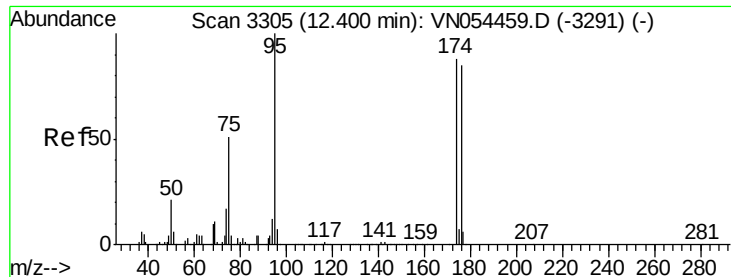
Tgt Ion: 98 Resp: 1049418

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 49.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

WP022SB443-190319-(18-20)

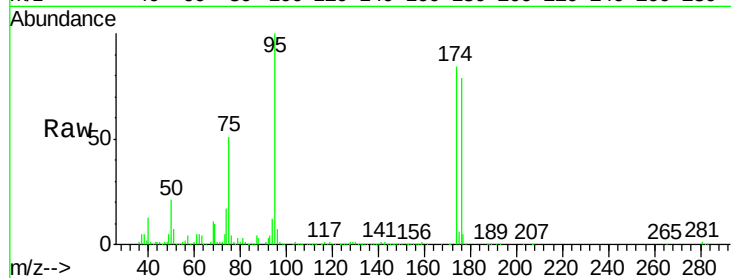
Tot Ion: 95 Resp: 352097

Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

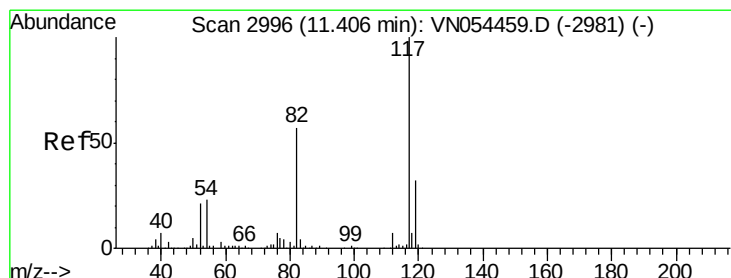
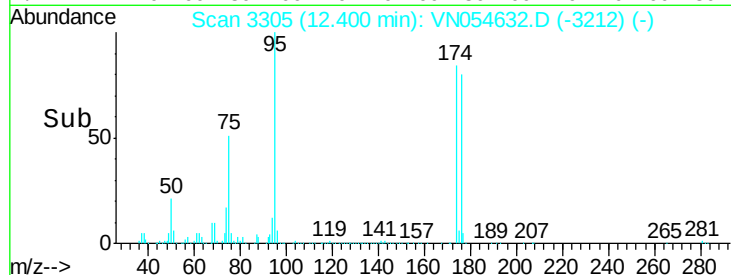
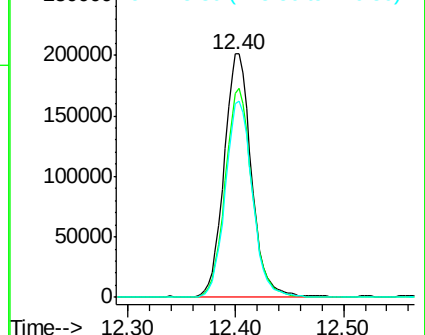
176 80.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

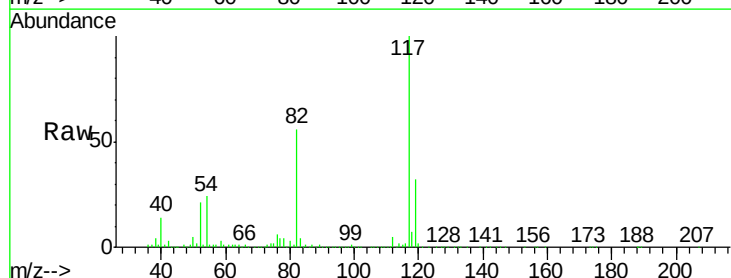
Tgt Ion: 117 Resp: 759243

Ion Ratio Lower Upper

117 100

82 55.5 40.0 60.0

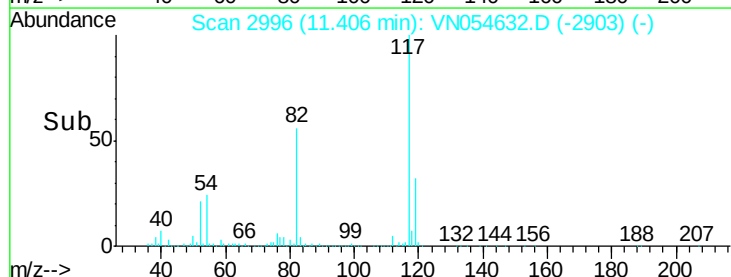
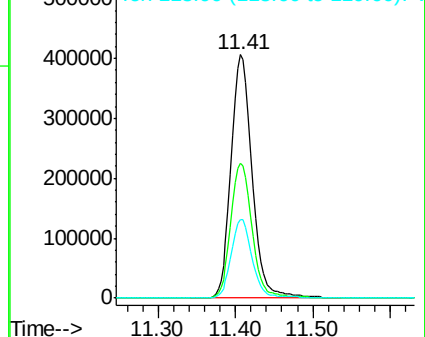
119 32.4 25.8 38.6

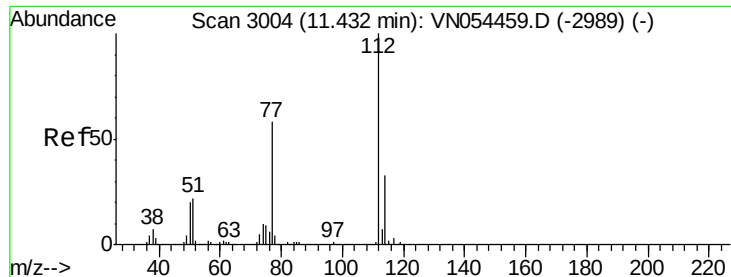


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)





#65

Chlorobenzene

Concen: 35.696 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

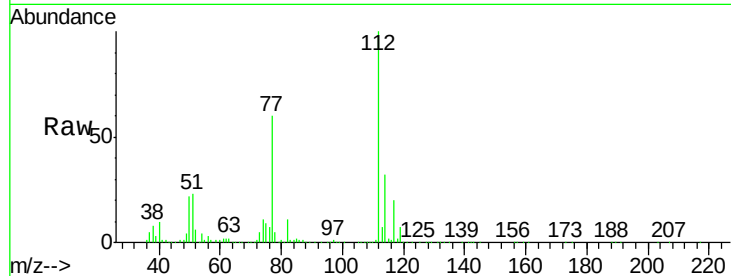
WP022SB443-190319-(18-20)

Tot Ion:112 Resp: 551224

Ion Ratio Lower Upper

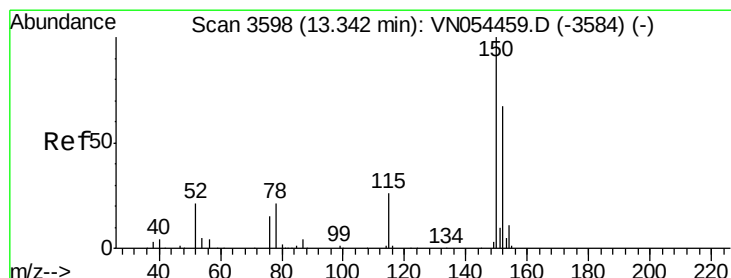
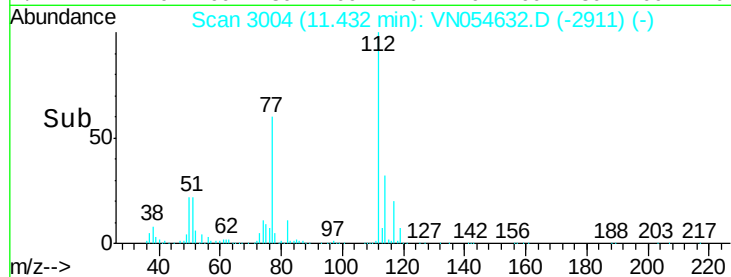
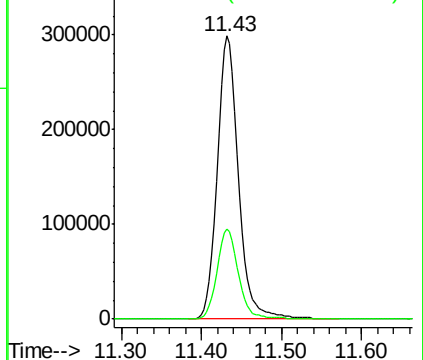
112 100

114 31.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

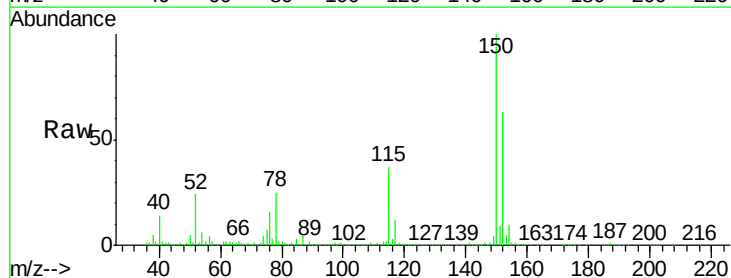
Tgt Ion:152 Resp: 318928

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

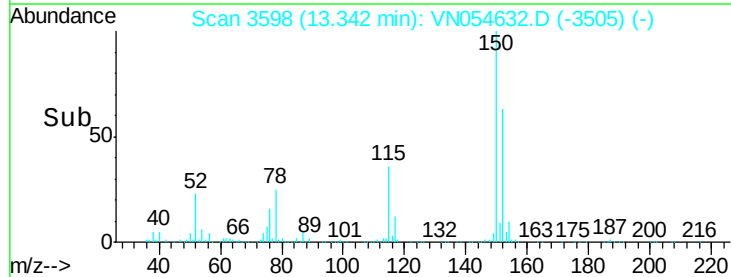
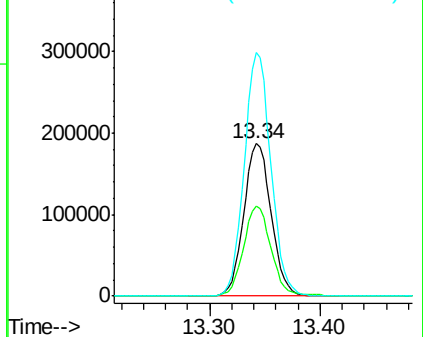
150 155.8 0.0 349.2

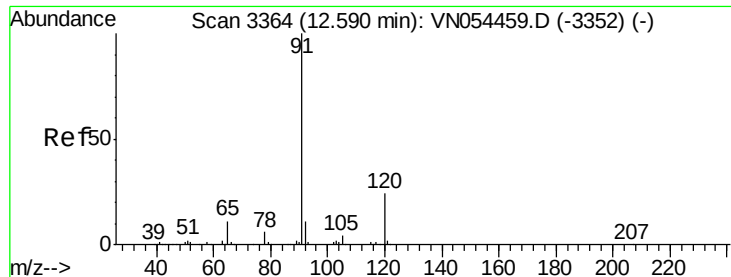


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#78

n-propylbenzene

Concen: 0.431 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

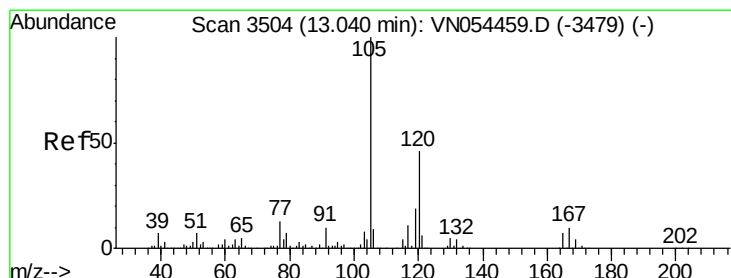
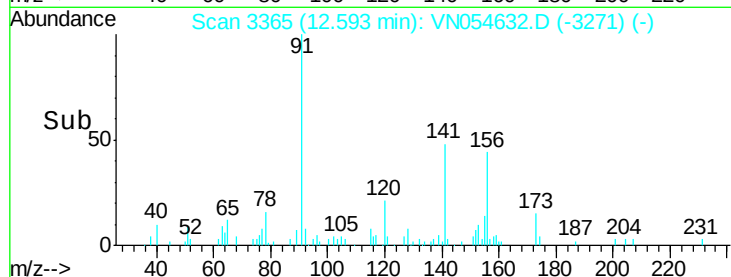
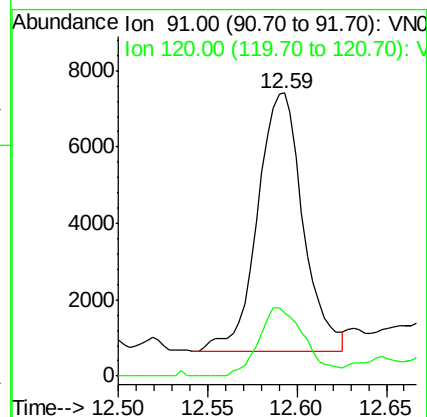
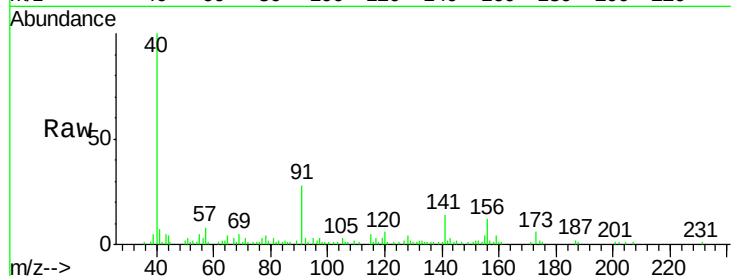
WP022SB443-190319-(18-20)

Tot Ion: 91 Resp: 12013

Ion Ratio Lower Upper

91 100

120 27.2 12.3 36.9



#84

1,2,4-Trimethylbenzene

Concen: 1.887 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054632.D

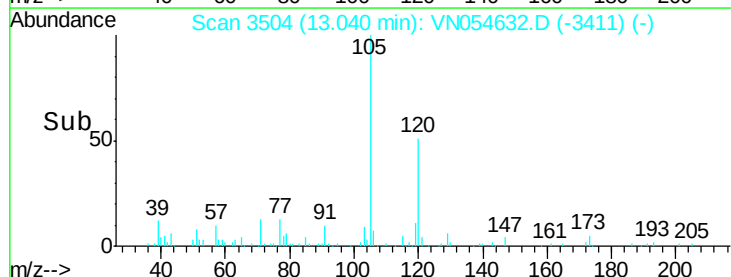
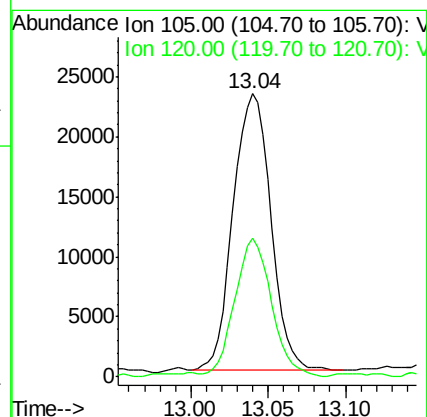
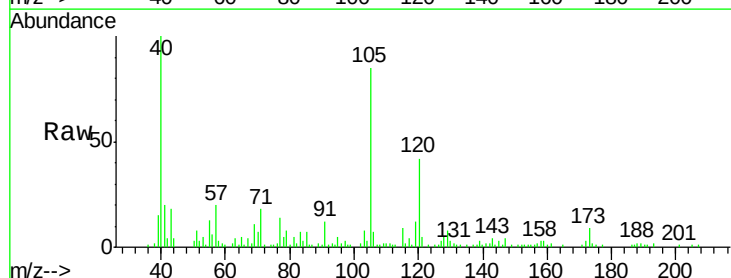
Acq: 24 Mar 2019 4:48

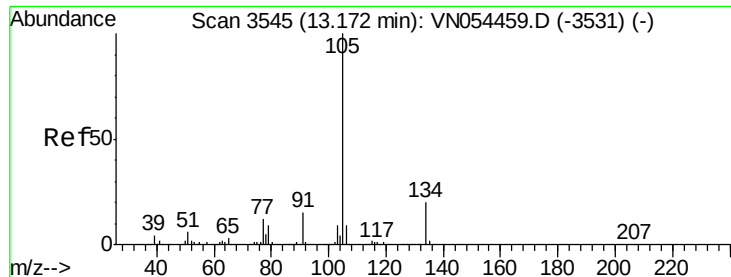
Tgt Ion: 105 Resp: 38991

Ion Ratio Lower Upper

105 100

120 49.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 0.389 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

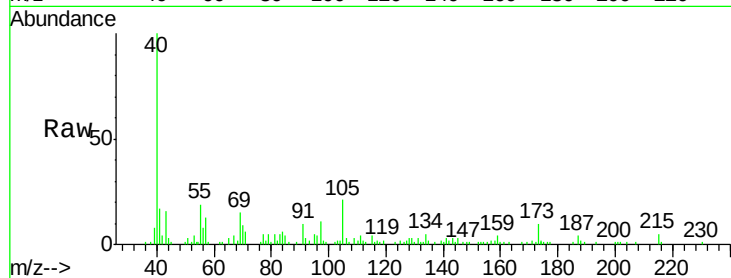
WP022SB443-190319-(18-20)

Tot Ion:105 Resp: 8888

Ion Ratio Lower Upper

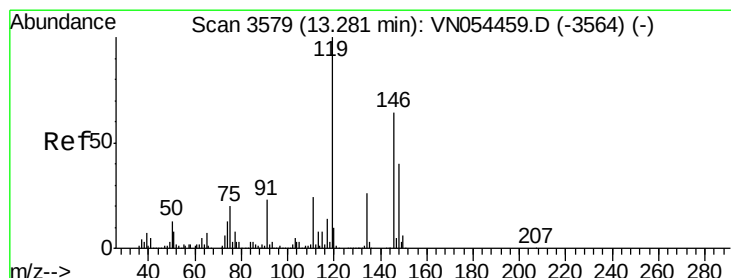
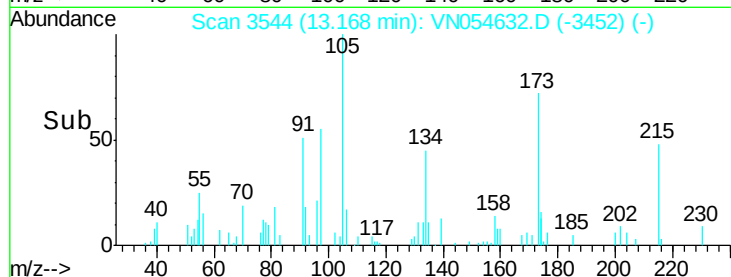
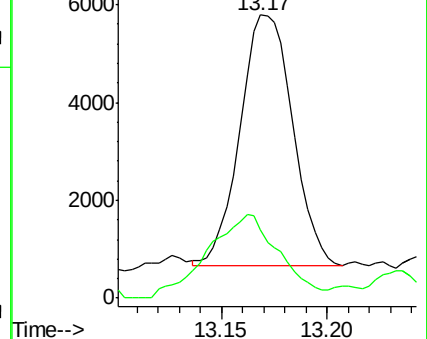
105 100

134 45.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.573 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054632.D

Acq: 24 Mar 2019 4:48

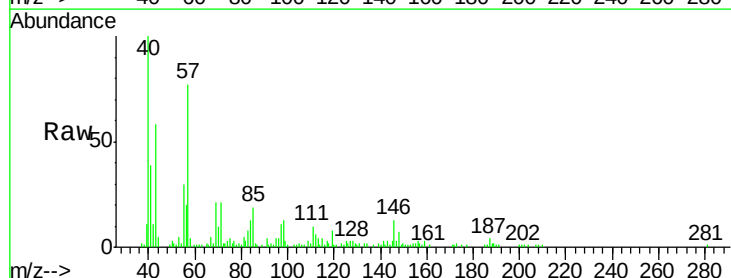
Tgt Ion:146 Resp: 6052

Ion Ratio Lower Upper

146 100

111 67.4 18.8 56.3#

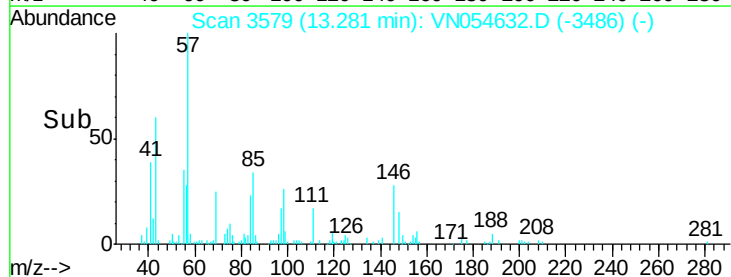
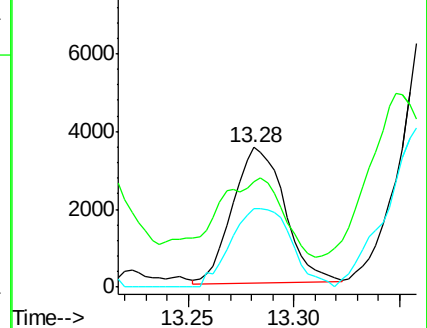
148 66.3 32.2 96.6

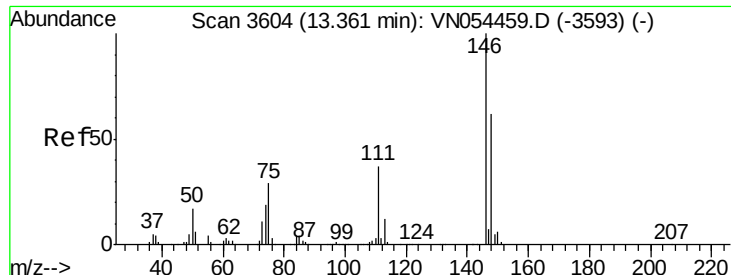


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

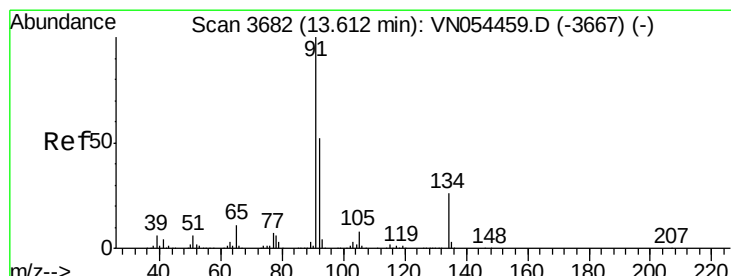
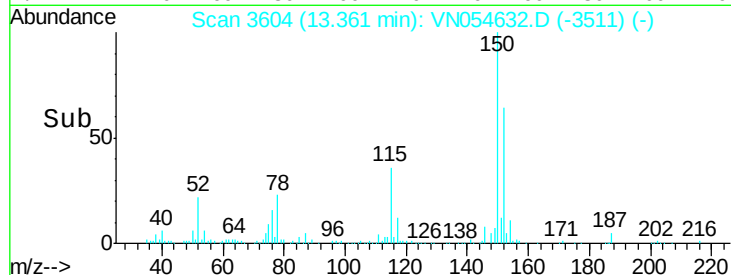
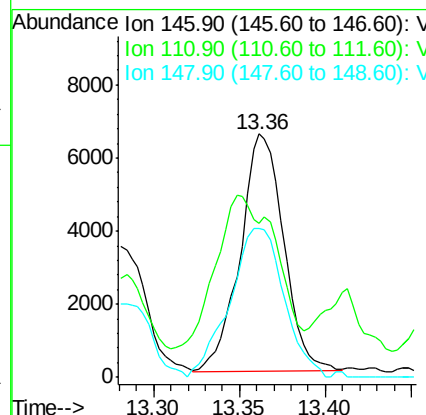
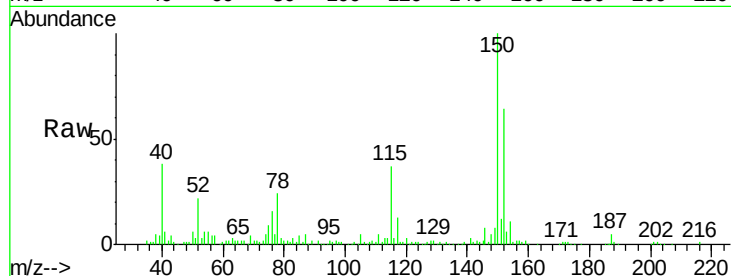




#88
 1,4-Dichlorobenzene
 Concen: 1.112 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054632.D
 Acq: 24 Mar 2019 4:48

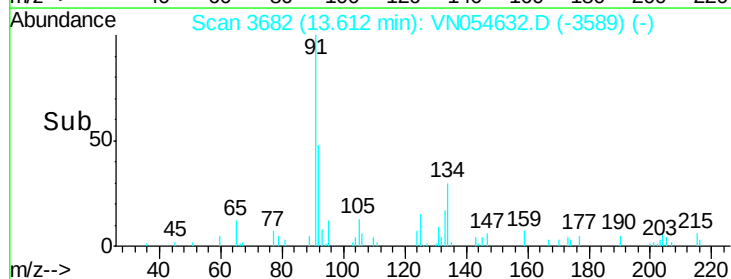
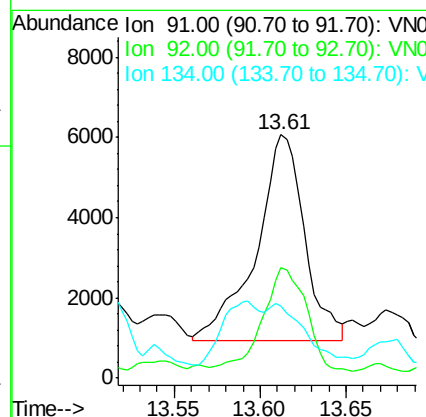
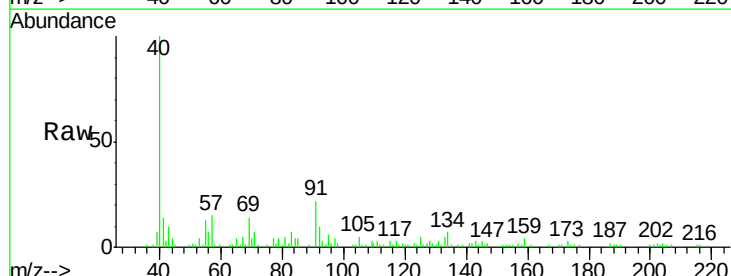
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(18-20)

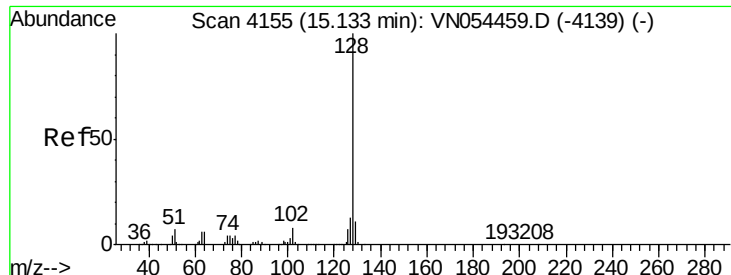
Tot Ion:146 Resp: 11425
 Ion Ratio Lower Upper
 146 100
 111 88.4 18.1 54.1#
 148 77.9 32.0 96.0



#89
 n-Butylbenzene
 Concen: 0.628 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN054632.D
 Acq: 24 Mar 2019 4:48

Tgt Ion: 91 Resp: 10042
 Ion Ratio Lower Upper
 91 100
 92 46.5 26.2 78.6
 134 25.7 14.3 42.9

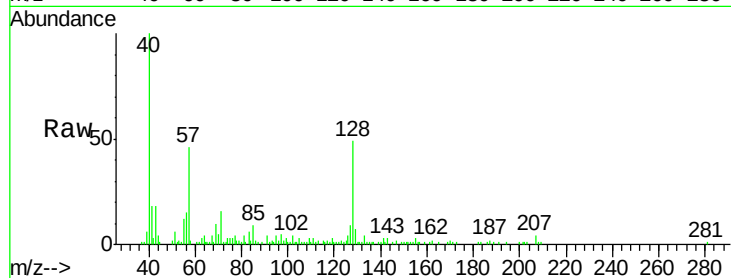




#95
Naphthalene
Concen: 2.064 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054632.D
Acq: 24 Mar 2019 4:48

Instrument :
MSVOA_N
ClientSampleId :
WP022SB443-190319-(18-20)

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.4	10.1	15.1#
129	12.8	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

