

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053035.D
 Acq On : 20 Dec 2018 2:50
 Operator : MD\SY
 Sample : J6411-11 10X
 Misc : 5.24g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 42 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4A(12-13FT)1218

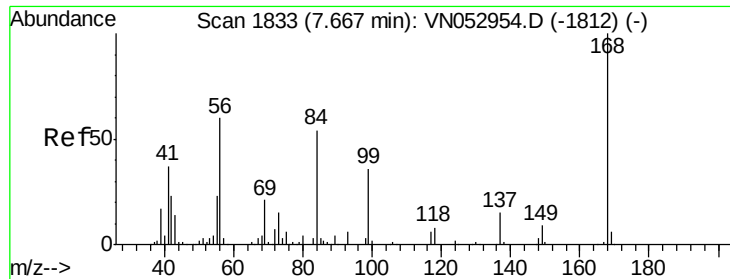
Quant Time: Dec 20 07:50:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1335027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2019236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1861256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	813387	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	636123	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	7.59	113	521303	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
50) Toluene-d8	10.09	98	2523310	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	1052549	60.55	ug/l	0.00
Spiked Amount			Recovery	=	121.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	45501	1.933	ug/l	96
67) Ethyl Benzene	11.51	91	47284	0.666	ug/l	96
73) Isopropylbenzene	12.25	105	859873	13.511	ug/l	99
78) n-propylbenzene	12.59	91	2042270	28.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5347045	103.081	ug/l	99
83) tert-Butylbenzene	12.99	119	199023	4.338	ug/l	89
84) 1,2,4-Trimethylbenzene	13.04	105	15160568	290.731	ug/l	94
85) sec-Butylbenzene	13.17	105	1456111	23.466	ug/l #	74
86) p-Isopropyltoluene	13.29	119	1406701	26.235	ug/l	100
89) n-Butylbenzene	13.61	91	1341212	29.075	ug/l #	79
95) Naphthalene	15.13	128	119367	4.794	ug/l	99

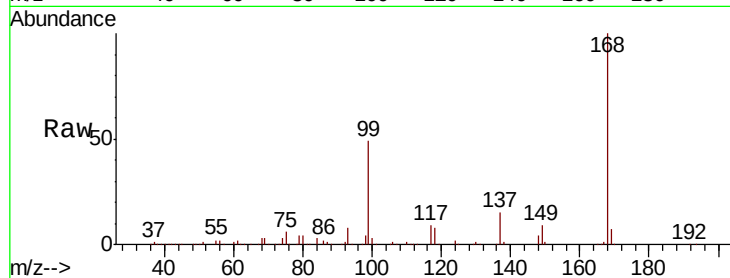
(#) = qualifier out of range (m) = manual integration (+) = signals summed



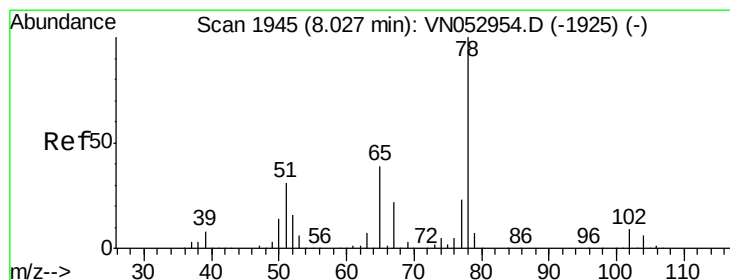
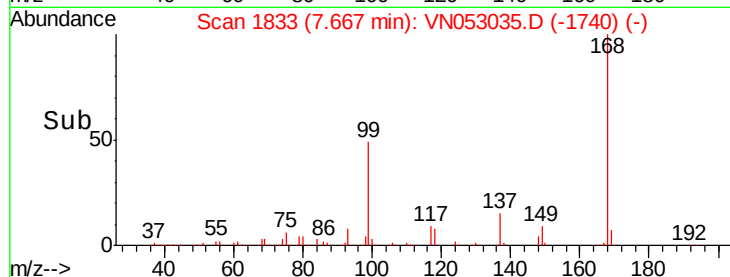
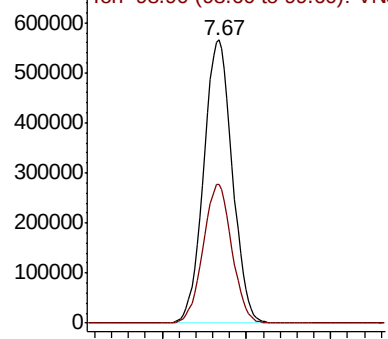
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4A(12-13FT)1218

Tot Ion:168 Resp: 1335027
Ion Ratio Lower Upper
168 100
99 49.1 40.2 60.2

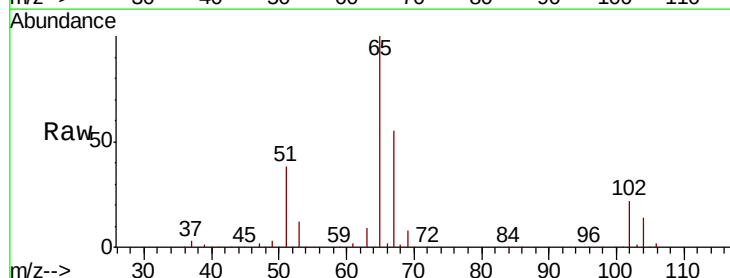


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0

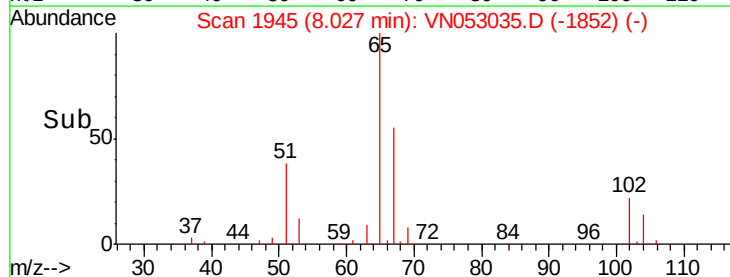
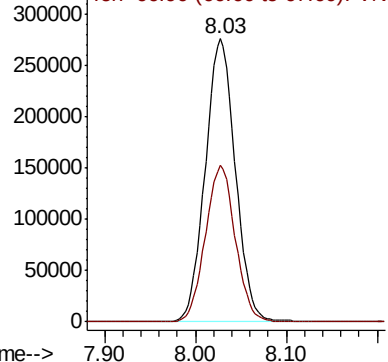


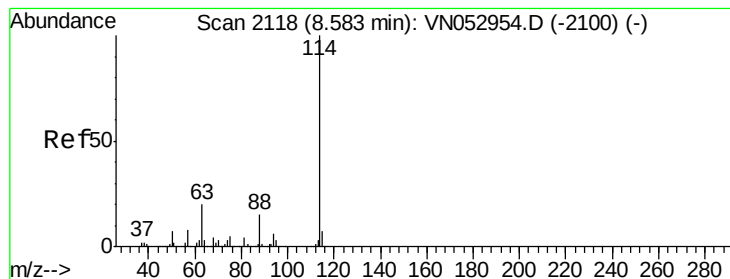
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion: 65 Resp: 636123
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

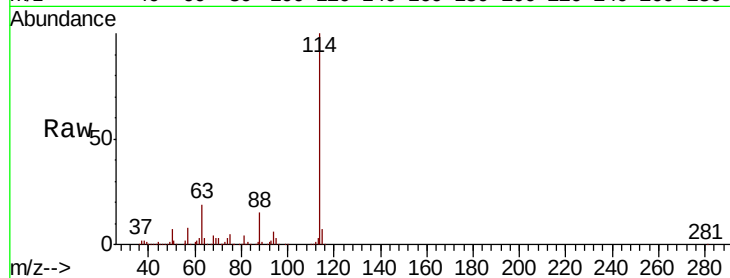
Tot Ion:114 Resp: 2019236

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

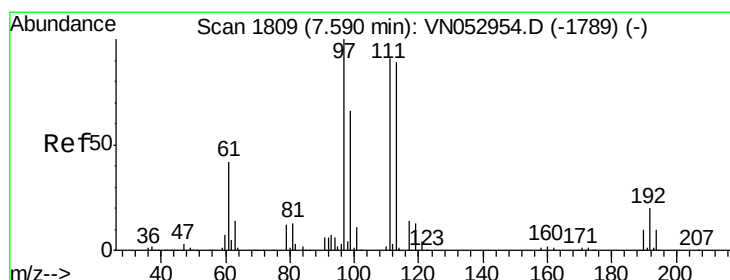
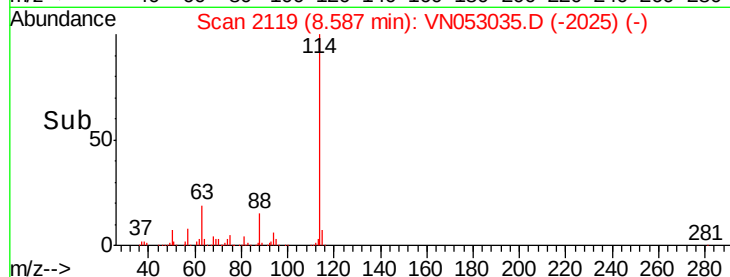
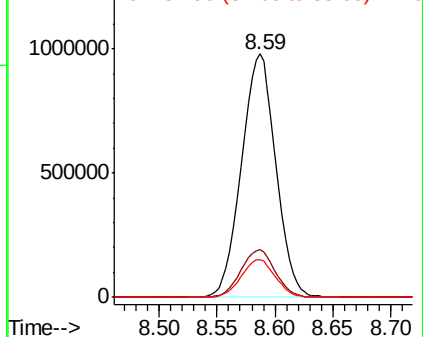
88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

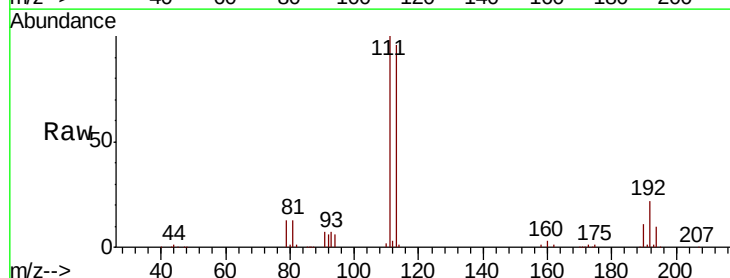
Tgt Ion:113 Resp: 521303

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

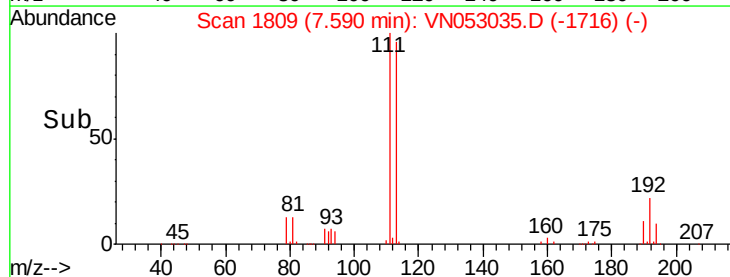
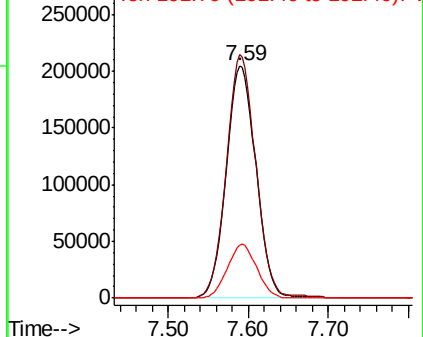
192 22.9 17.5 26.3

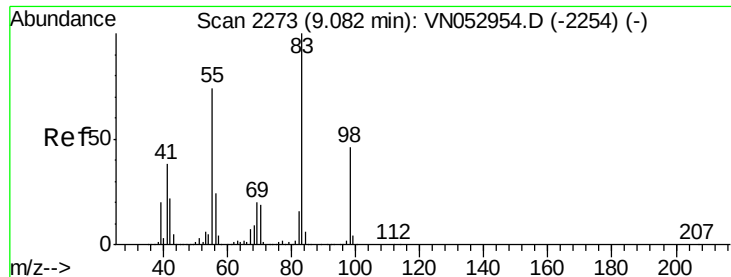


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

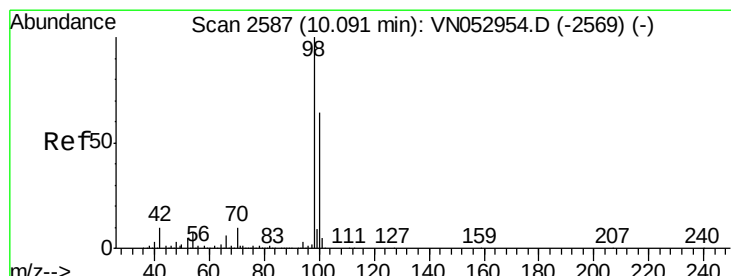
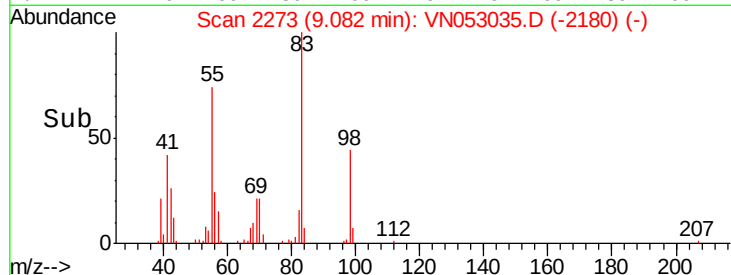
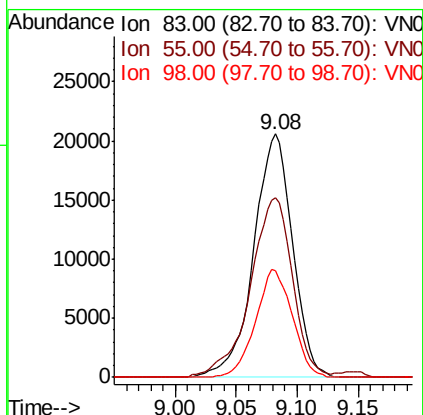
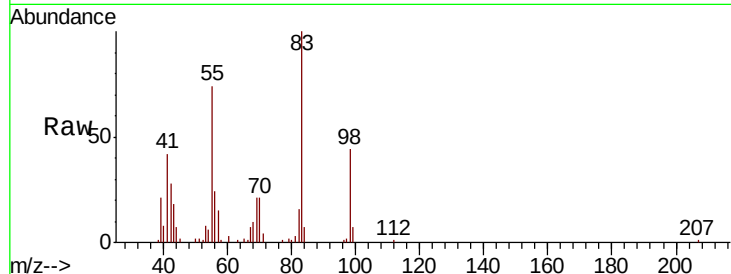




#39
Methylcyclohexane
Concen: 1.933 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

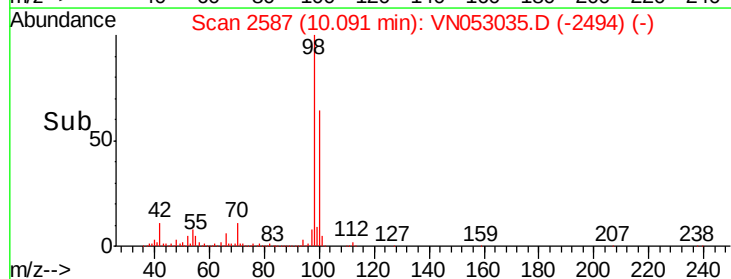
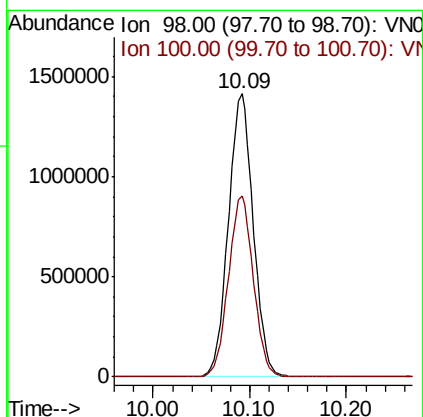
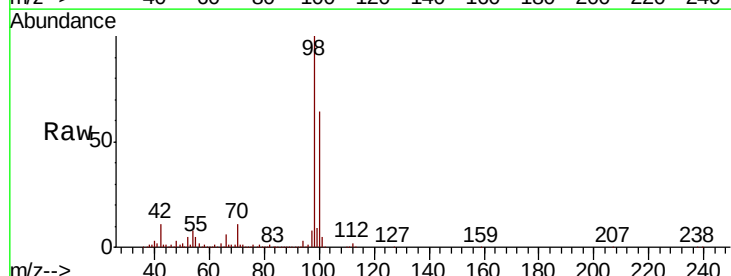
Instrument :
MSVOA_N
ClientSampleId :
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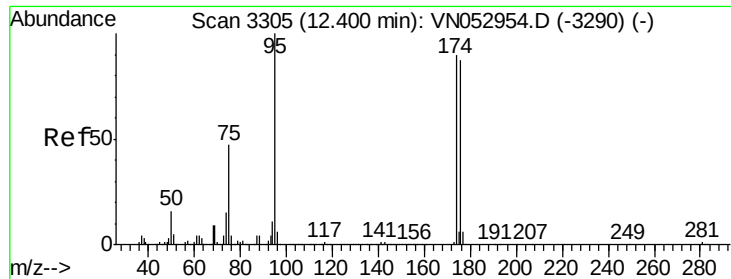
Tot Ion: 83 Resp: 45501
Ion Ratio Lower Upper
83 100
55 73.7 61.3 91.9
98 43.7 37.0 55.4



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion: 98 Resp: 2523310
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

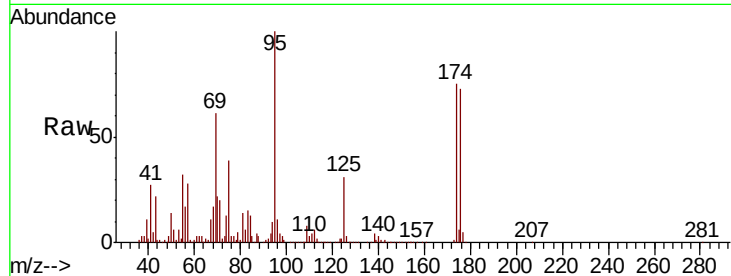
Tot Ion: 95 Resp: 1052549

Ion Ratio Lower Upper

95 100

174 73.4 0.0 178.8

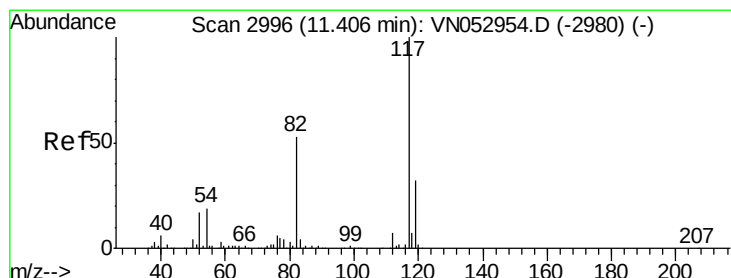
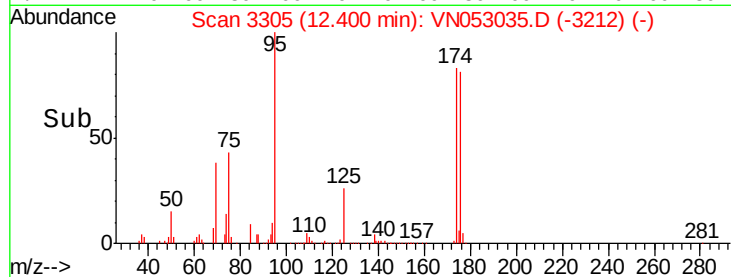
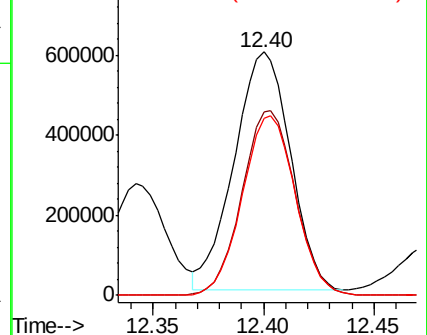
176 71.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

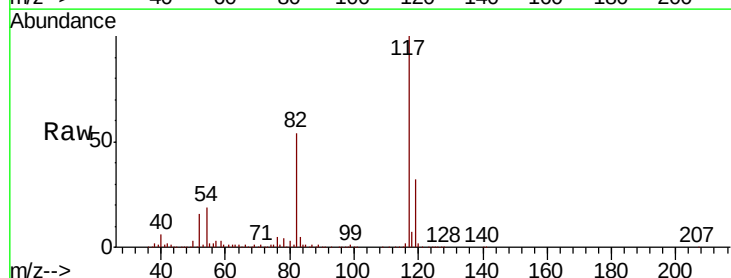
Tgt Ion: 117 Resp: 1861256

Ion Ratio Lower Upper

117 100

82 52.5 42.8 64.2

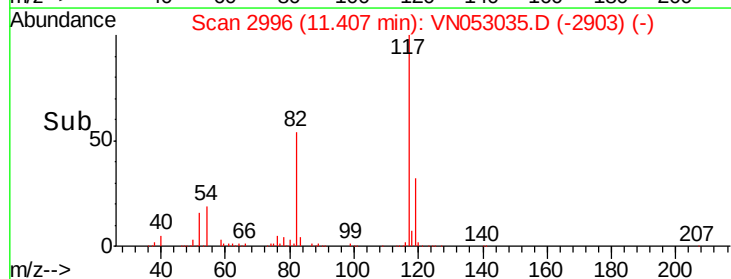
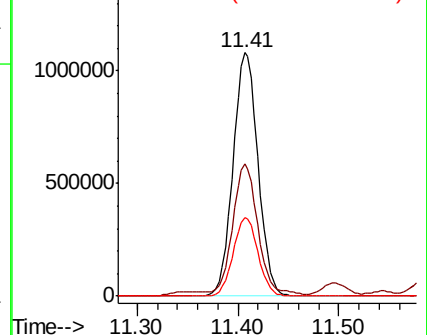
119 32.1 25.5 38.3

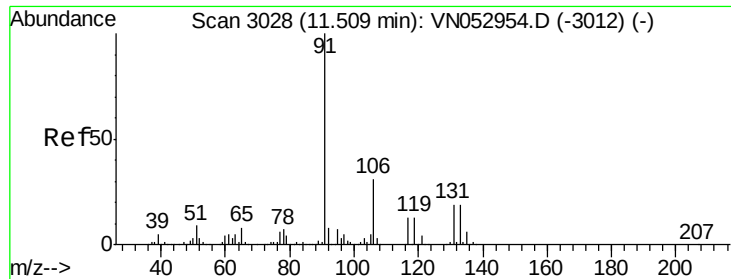


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

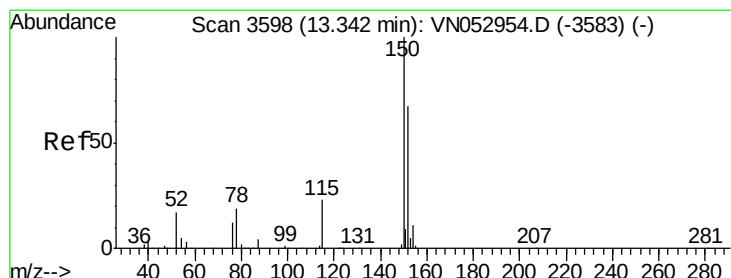
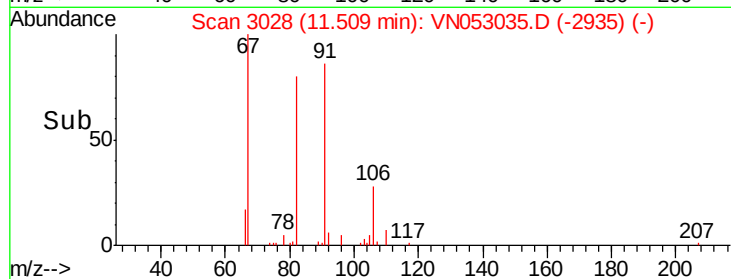
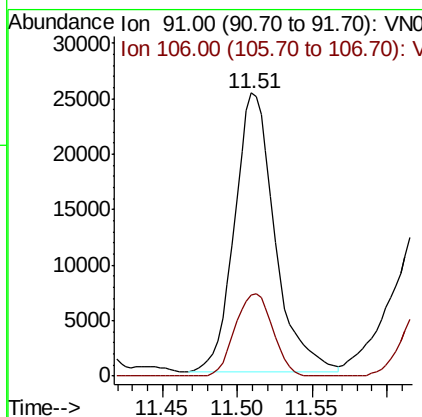
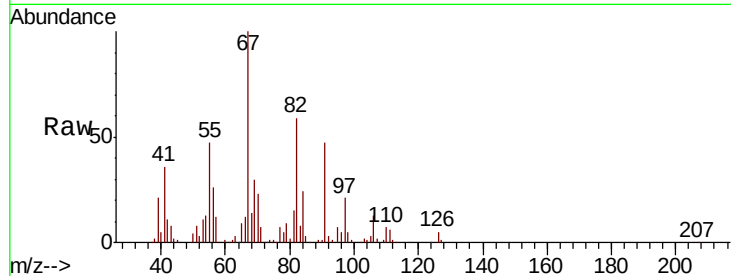




#67
Ethyl Benzene
Concen: 0.666 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

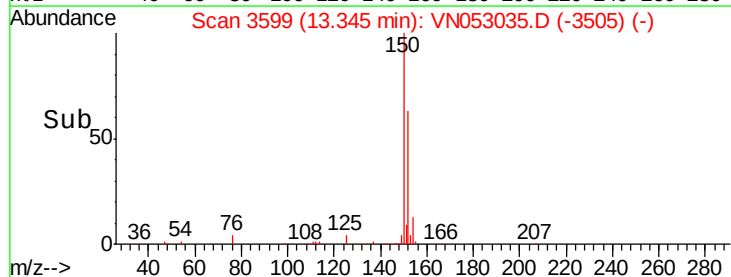
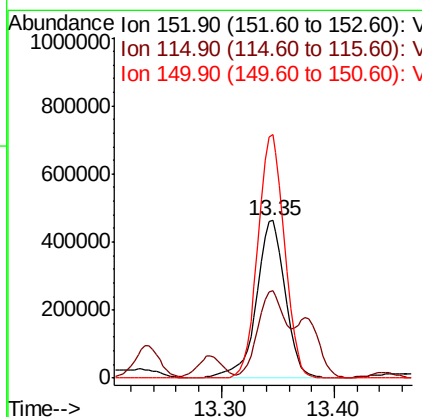
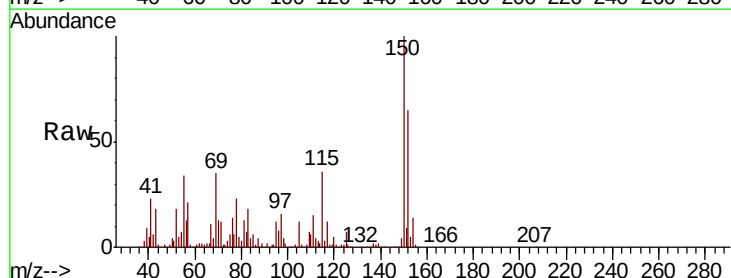
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4A(12-13FT)1218

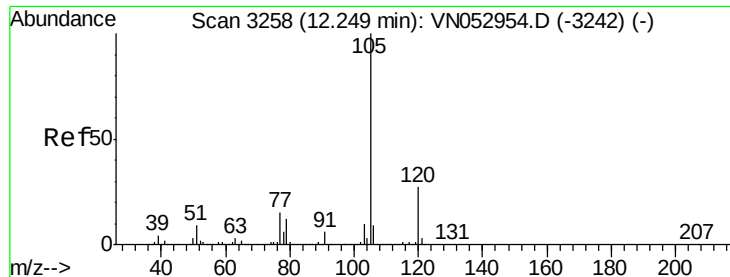
Tot Ion: 91 Resp: 47284
Ion Ratio Lower Upper
91 100
106 28.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion: 152 Resp: 813387
Ion Ratio Lower Upper
152 100
115 49.7 28.3 85.0
150 143.5 0.0 347.8





#73

Isopropylbenzene

Concen: 13.511 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

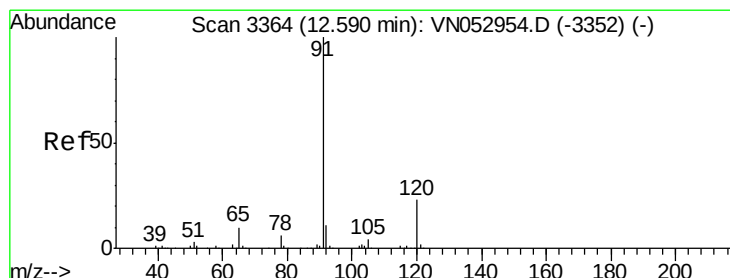
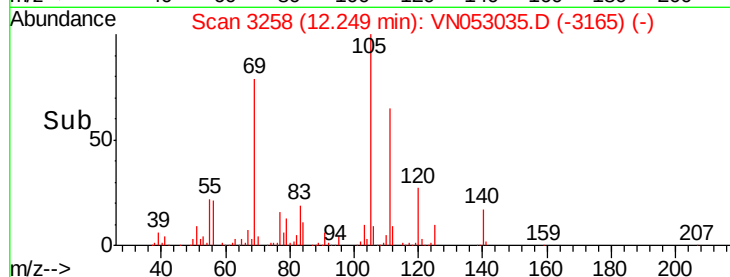
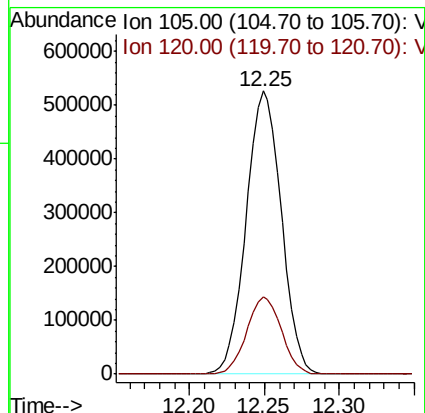
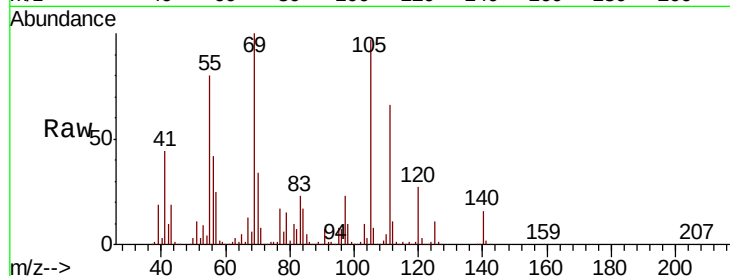
EP1-SBR-4A(12-13FT)1218

Tot Ion:105 Resp: 859873

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#78

n-propylbenzene

Concen: 28.177 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053035.D

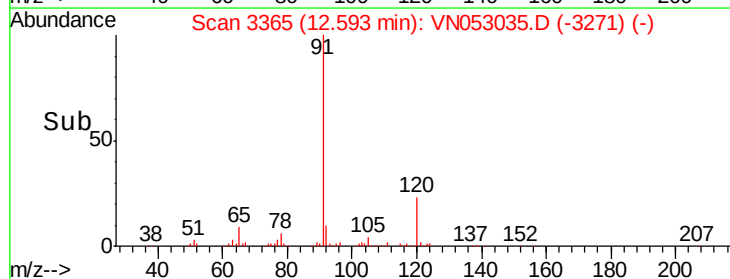
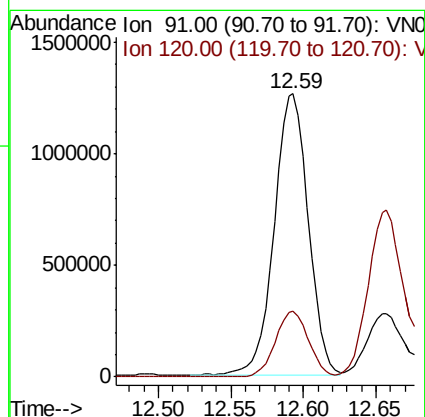
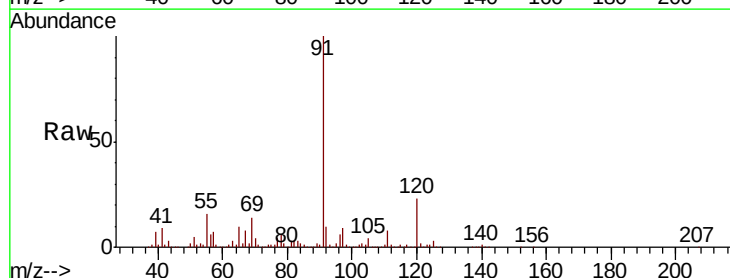
Acq: 20 Dec 2018 2:50

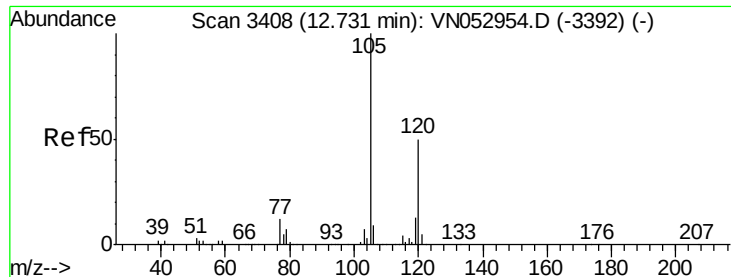
Tgt Ion: 91 Resp: 2042270

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 103.081 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

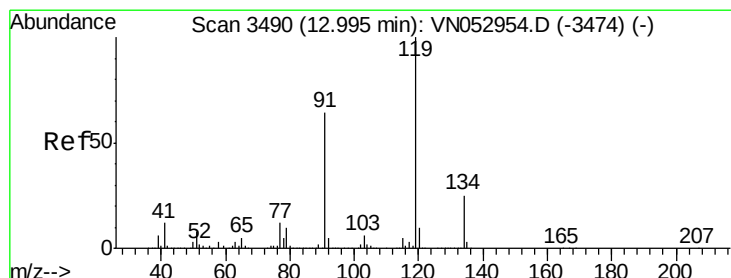
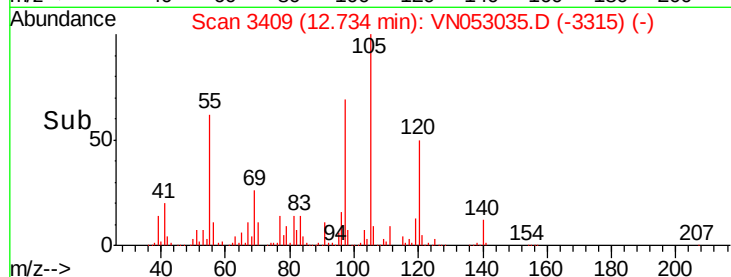
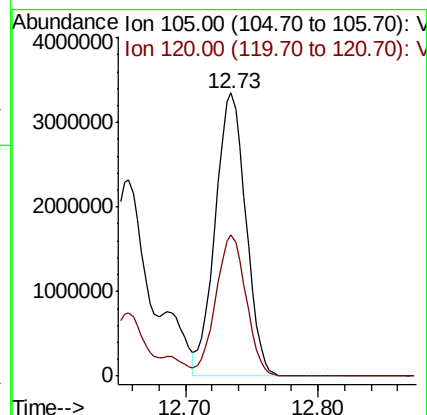
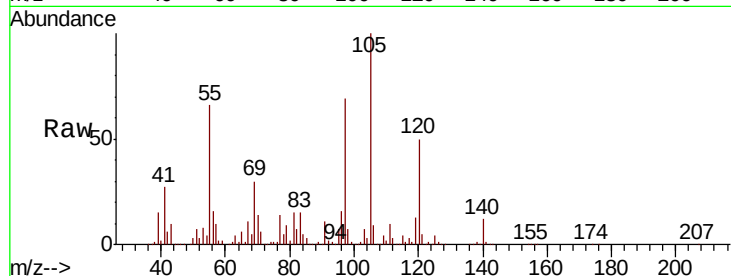
EP1-SBR-4A(12-13FT)1218

Tot Ion:105 Resp: 5347045

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2



#83

tert-Butylbenzene

Concen: 4.338 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

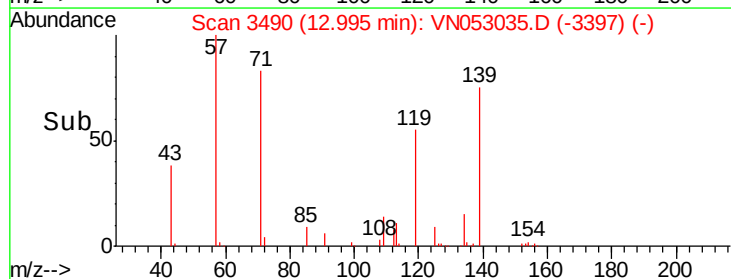
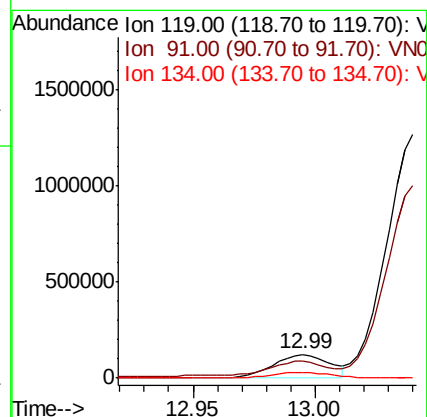
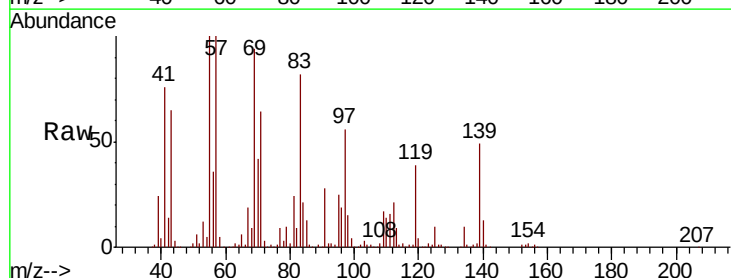
Tgt Ion:119 Resp: 199023

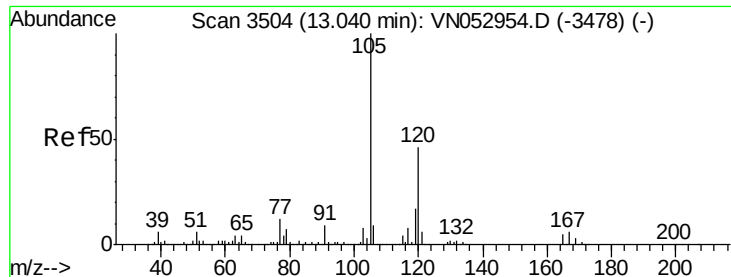
Ion Ratio Lower Upper

119 100

91 75.6 31.9 95.5

134 25.0 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 290.731 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

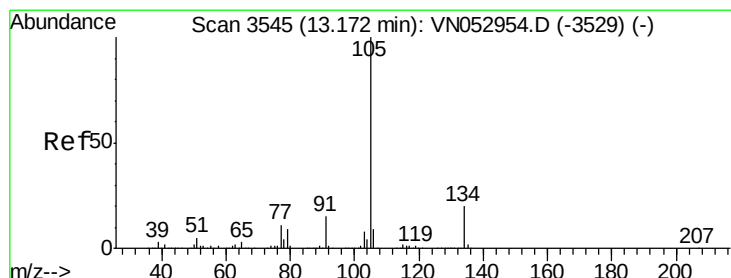
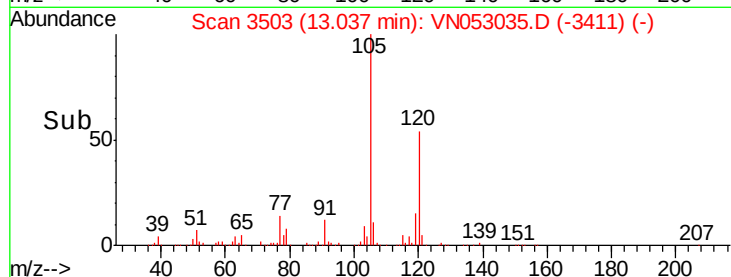
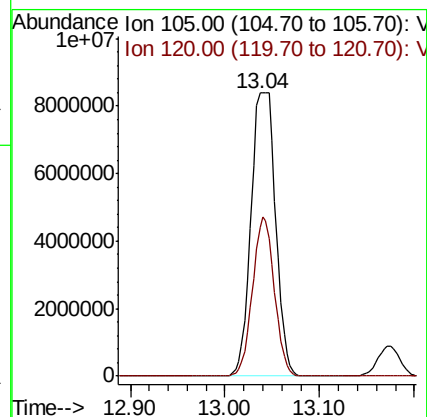
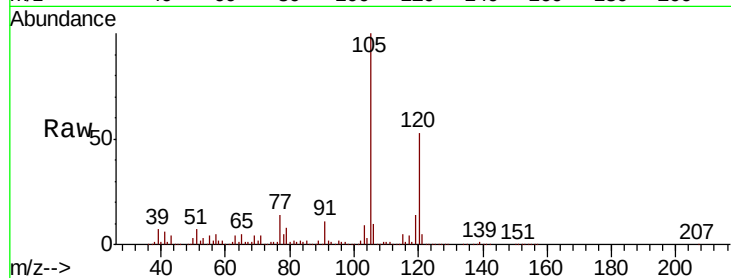
EP1-SBR-4A(12-13FT)1218

Tot Ion:105 Resp:15160568

Ion Ratio Lower Upper

105 100

120 49.8 22.9 68.8



#85

sec-Butylbenzene

Concen: 23.466 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053035.D

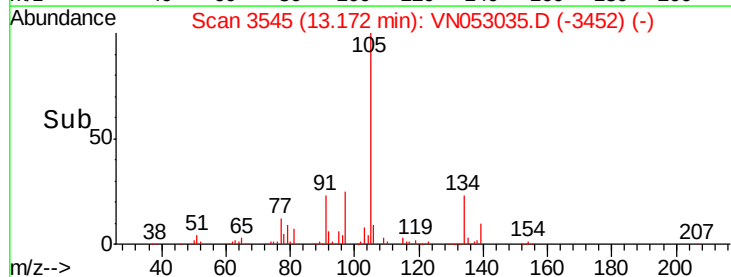
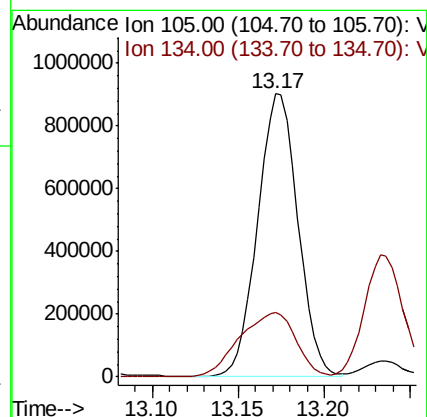
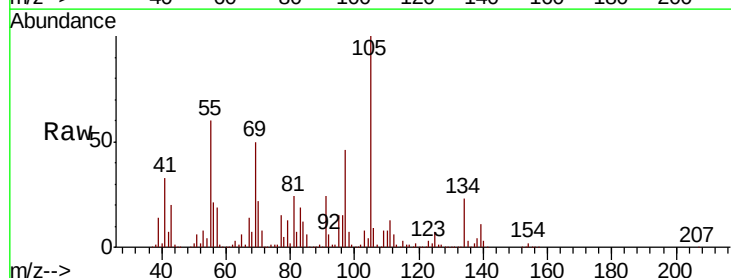
Acq: 20 Dec 2018 2:50

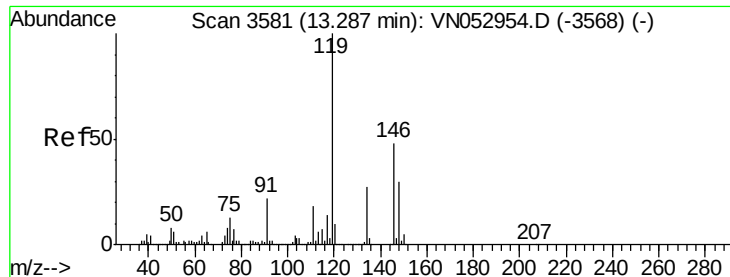
Tgt Ion:105 Resp: 1456111

Ion Ratio Lower Upper

105 100

134 32.2 10.1 30.3#

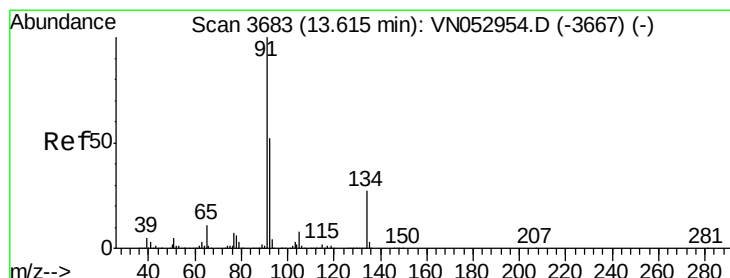
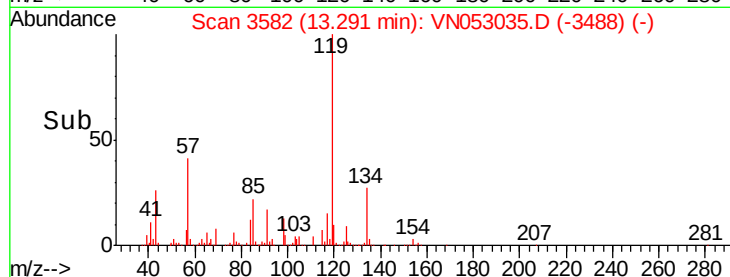
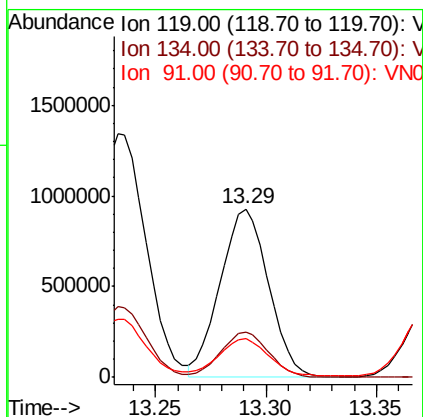
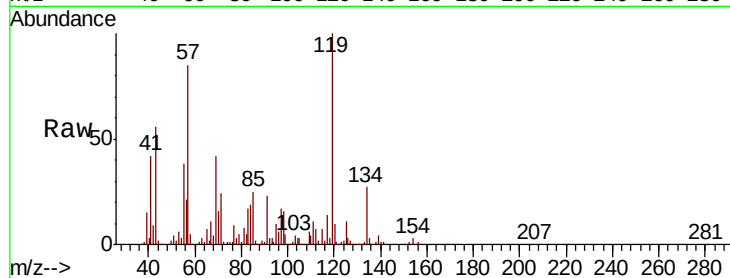




#86
 p-Isopropyltoluene
 Concen: 26.235 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

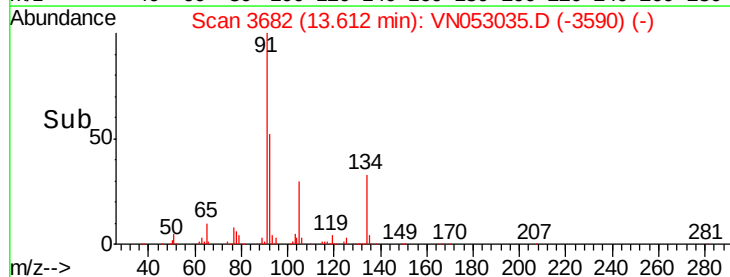
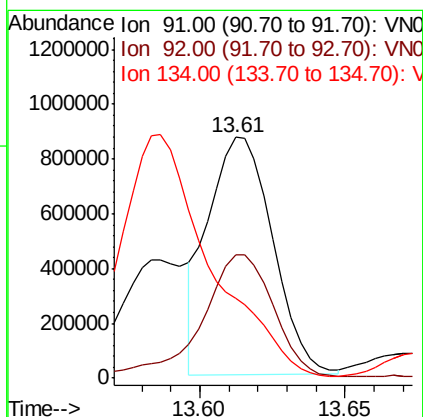
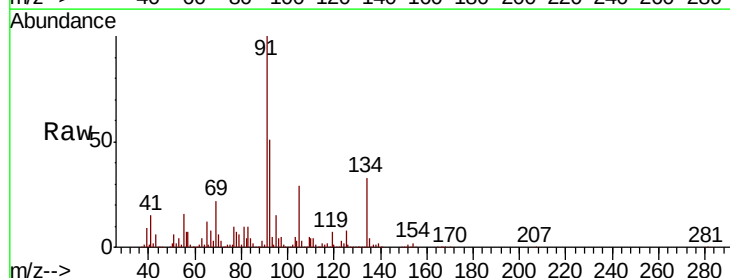
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4A(12-13FT)1218

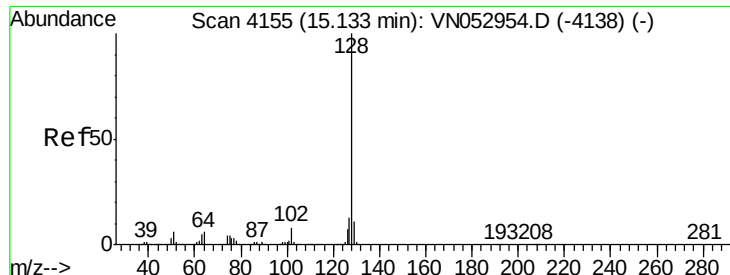
Tot Ion:119 Resp: 1406701
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.4 11.1 33.3



#89
 n-Butylbenzene
 Concen: 29.075 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

Tgt Ion: 91 Resp: 1341212
 Ion Ratio Lower Upper
 91 100
 92 56.7 26.3 78.9
 134 0.0 13.3 39.8#





#95
Naphthalene
Concen: 4.794 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4A(12-13FT)1218

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	10.8	8.6	13.0

