

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN063020\
 Data File : VN062236.D
 Acq On : 30 Jun 2020 13:49
 Operator : JC/MD
 Sample : L3148-05 20X
 Misc : 4.96g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Quant Time: Jul 01 04:17:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	191082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	381654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190573	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	148067	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	7.55	113	122514	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	10.06	98	498593	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.38	95	185182	57.35	ug/l	0.00
Spiked Amount			Recovery	=	114.70%	

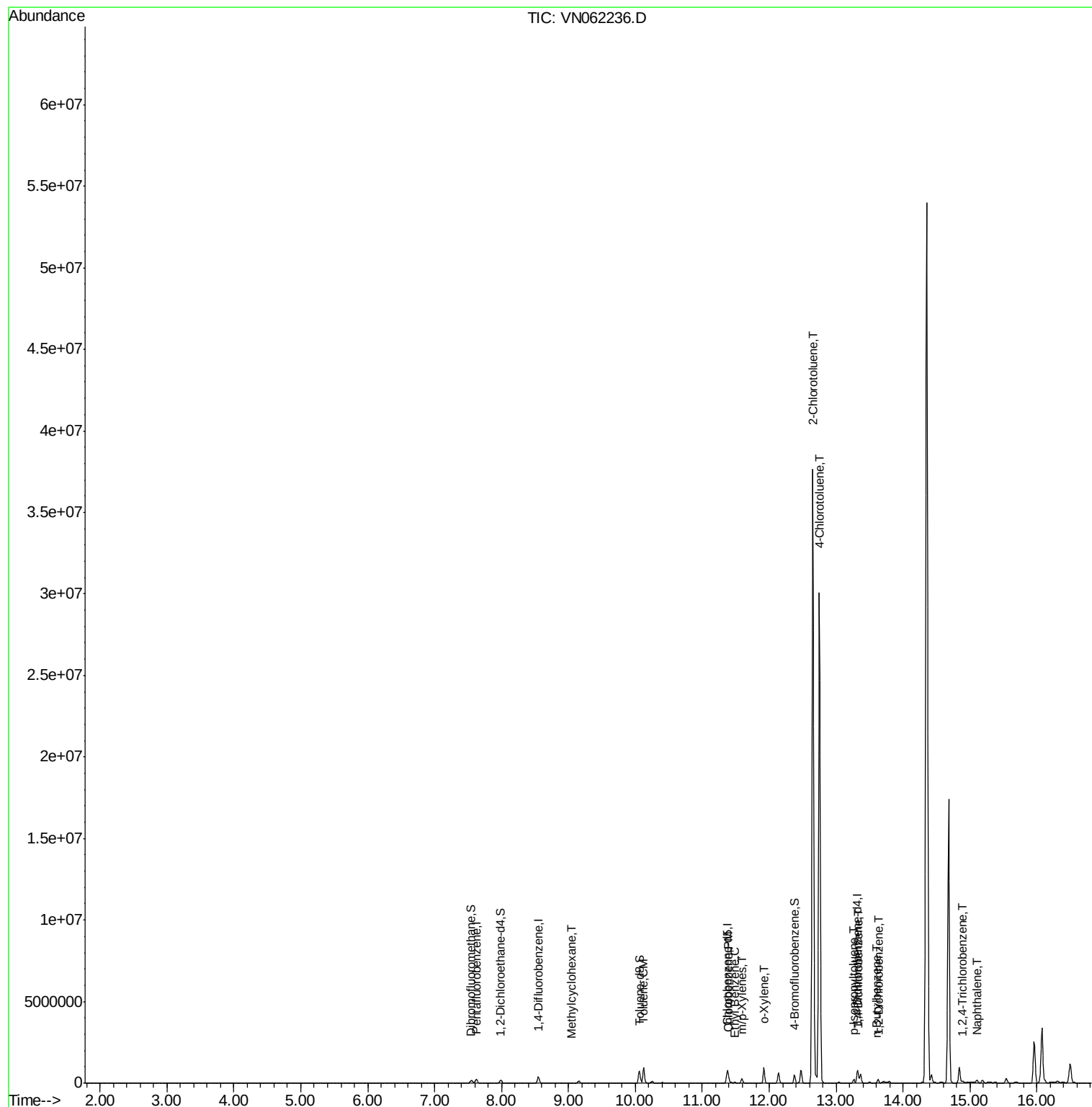
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.04	83	4197	1.023	ug/l	95
52) Toluene	10.12	92	414050	59.437	ug/l	99
65) Chlorobenzene	11.40	112	62122	7.412	ug/l	97
67) Ethyl Benzene	11.48	91	46341	3.274	ug/l	100
68) m/p-Xylenes	11.59	106	91666	16.743	ug/l	97
69) o-Xylene	11.92	106	257517	49.853	ug/l	95
79) 2-Chlorotoluene	12.65	91	10465242	1025.894	ug/l #	47
82) 4-Chlorotoluene	12.75	91	9662949	916.008	ug/l #	50
86) p-Isopropyltoluene	13.26	119	127137	10.731	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	96414	14.544	ug/l	93
89) n-Butylbenzene	13.59	91	13892	1.410	ug/l #	50
91) 1,2-Dichlorobenzene	13.63	146	84719	13.585	ug/l	97
93) 1,2,4-Trichlorobenzene	14.88	180	12693	4.659	ug/l	96
95) Naphthalene	15.10	128	136226	17.793	ug/l	99

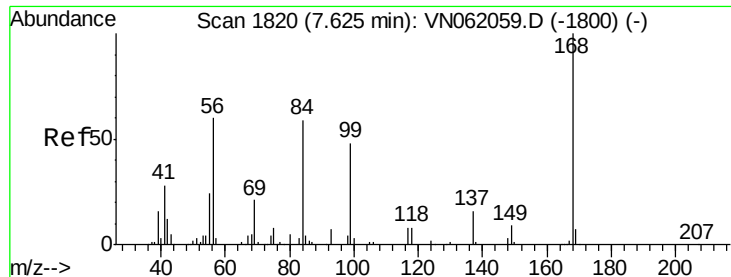
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062236.D

Acq: 30 Jun 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

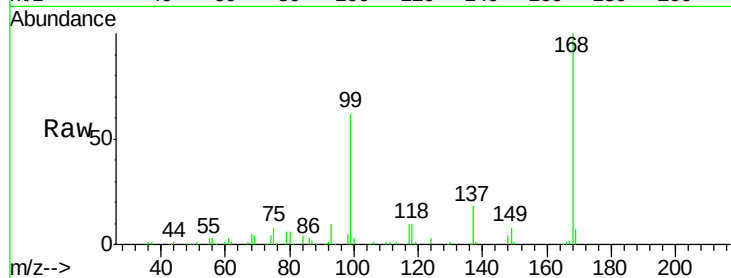
EPEC-POLYMERS-05

Tot Ion:168 Resp: 191082

Ion Ratio Lower Upper

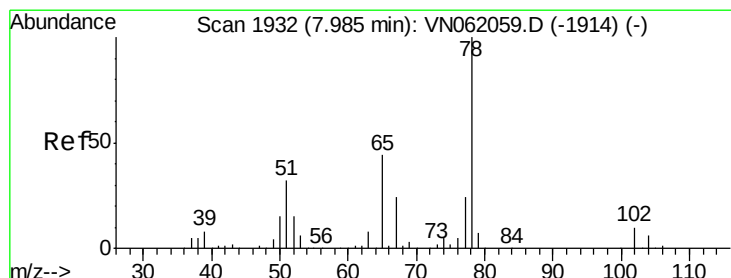
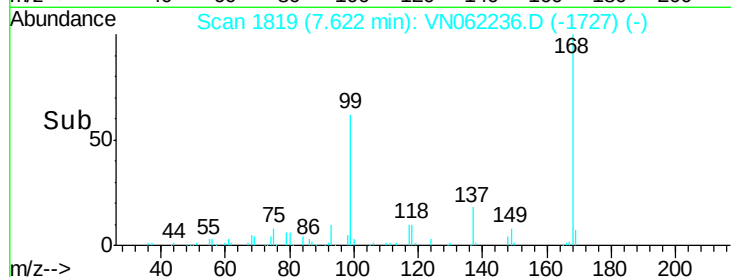
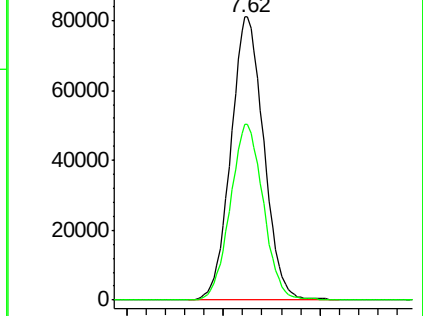
168 100

99 62.1 45.8 68.8



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: 55.218 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN062236.D

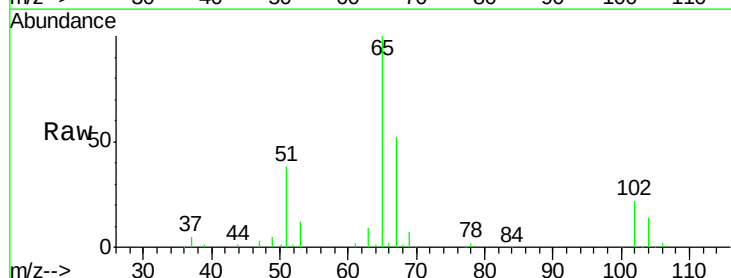
Acq: 30 Jun 2020 13:49

Tgt Ion: 65 Resp: 148067

Ion Ratio Lower Upper

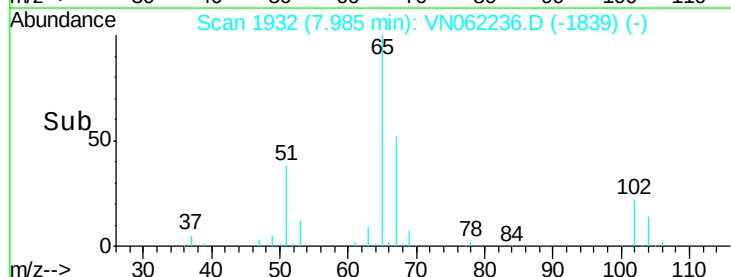
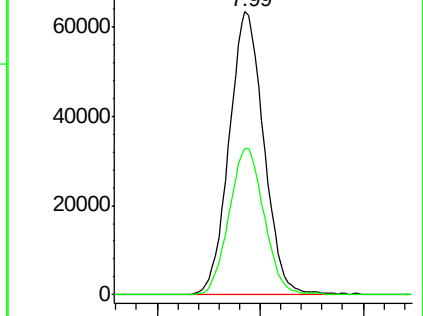
65 100

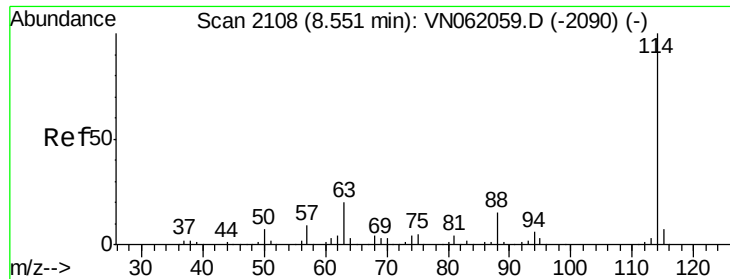
67 52.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

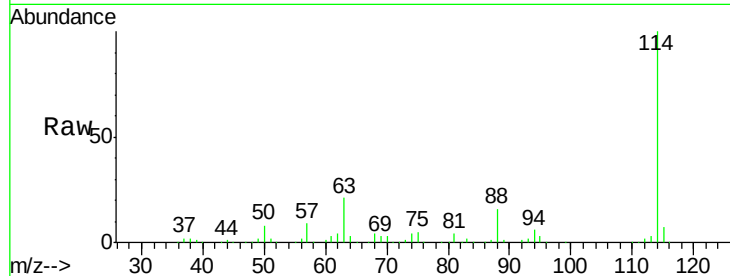




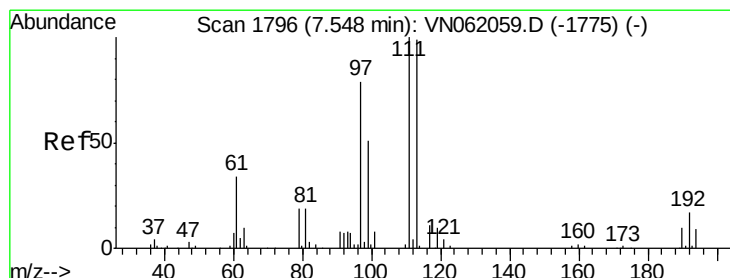
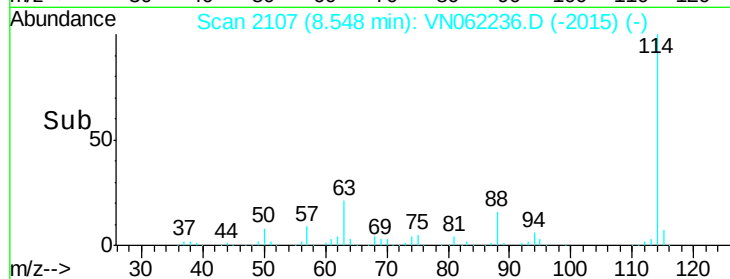
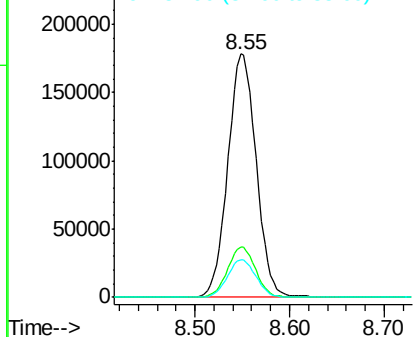
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion:114 Resp: 372662
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.2
 88 15.6 0.0 30.8

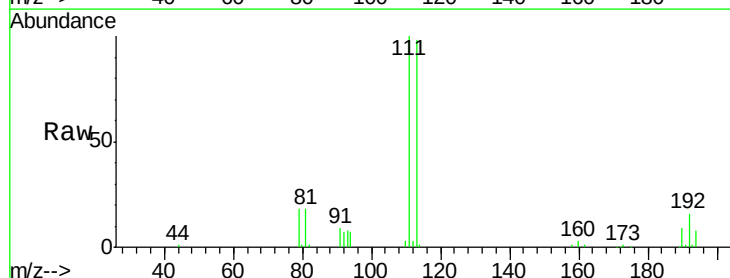


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

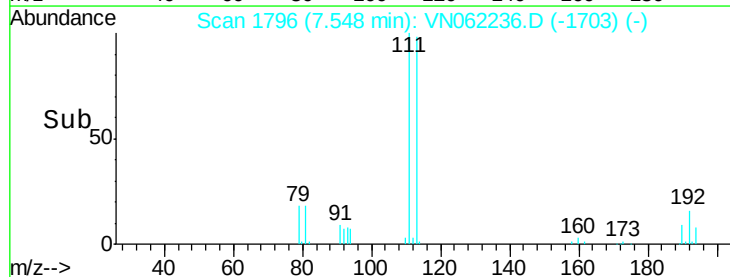
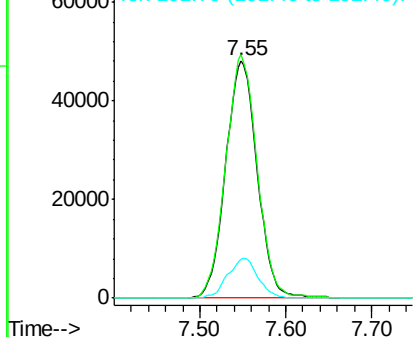


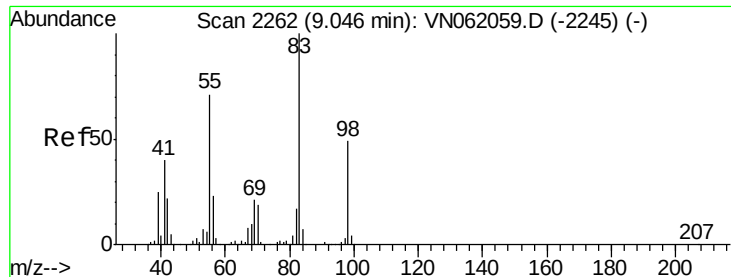
#35
 Dibromofluoromethane
 Concen: 51.244 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

Tgt Ion:113 Resp: 122514
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 16.1 14.0 21.0



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

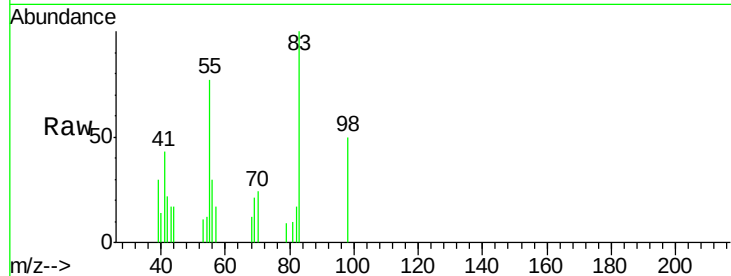




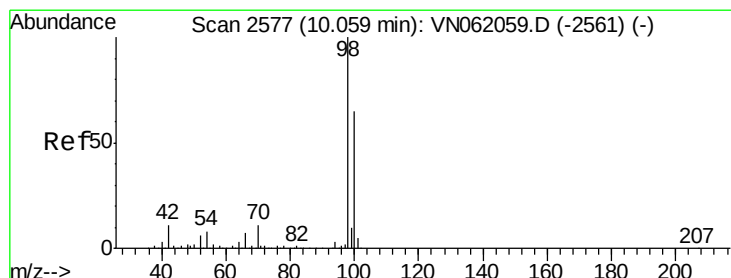
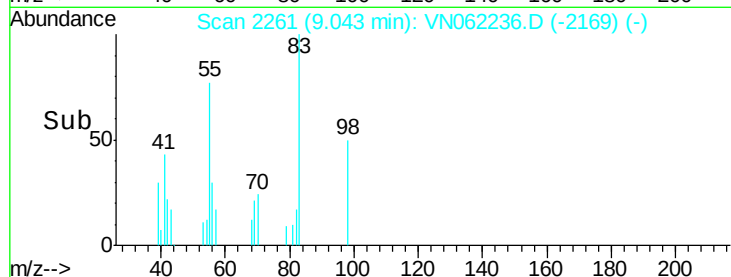
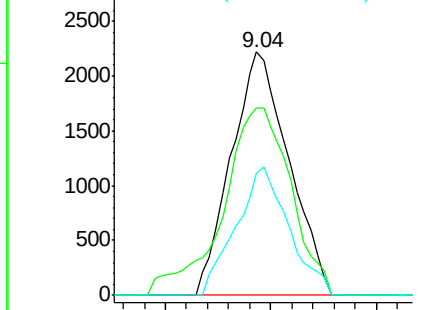
#39
Methylcyclohexane
Concen: 1.023 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062236.D
Acq: 30 Jun 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion: 83 Resp: 4197
Ion Ratio Lower Upper
83 100
55 76.9 57.0 85.6
98 50.0 39.0 58.6

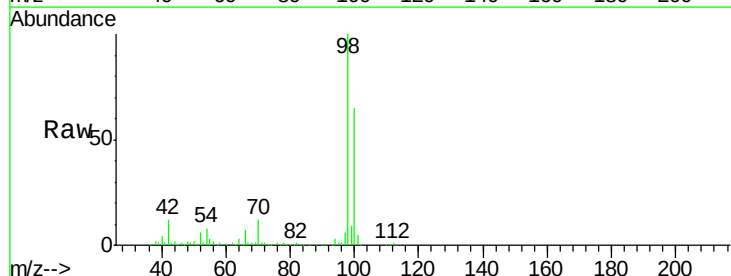


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

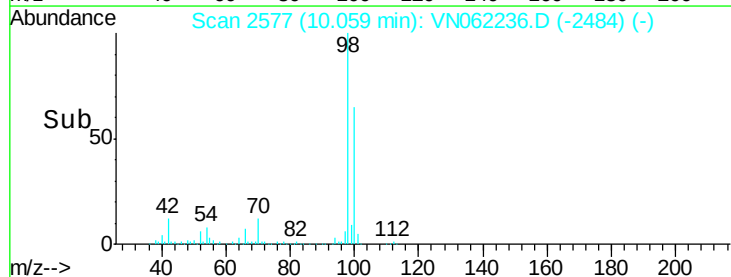
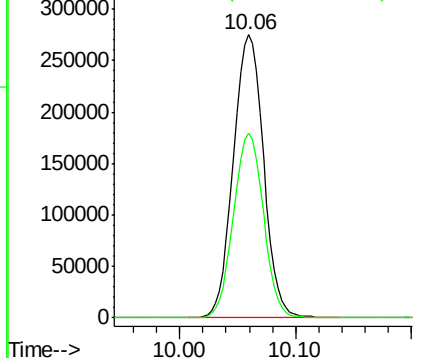


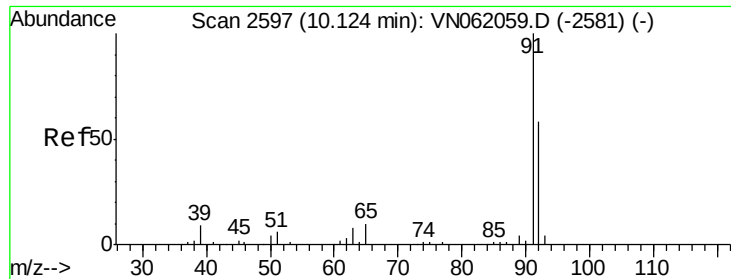
#50
Toluene-d8
Concen: 52.171 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062236.D
Acq: 30 Jun 2020 13:49

Tgt Ion: 98 Resp: 498593
Ion Ratio Lower Upper
98 100
100 64.6 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: 59.437 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062236.D

Acq: 30 Jun 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

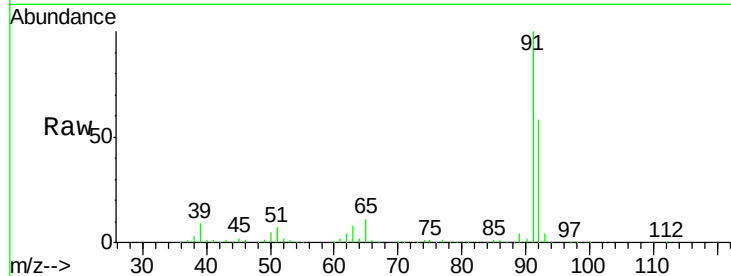
EPEC-POLYMERS-05

Tot Ion: 92 Resp: 414050

Ion Ratio Lower Upper

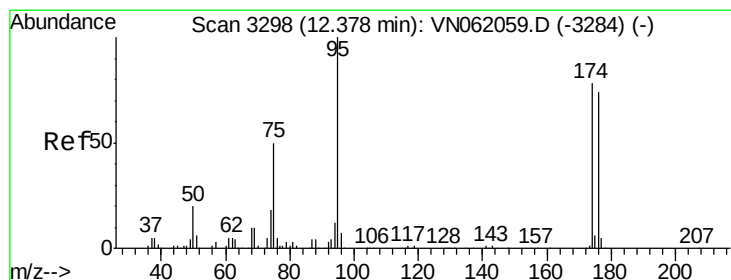
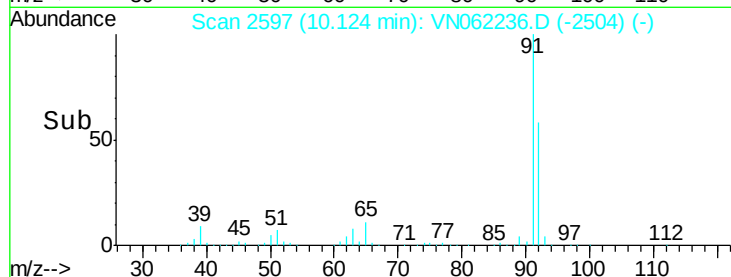
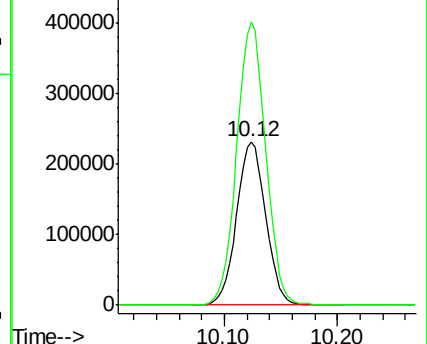
92 100

91 173.3 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 57.352 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062236.D

Acq: 30 Jun 2020 13:49

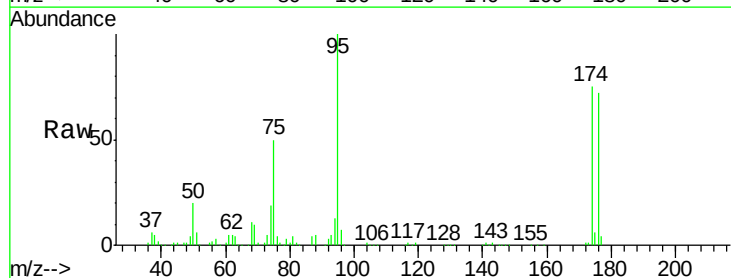
Tgt Ion: 95 Resp: 185182

Ion Ratio Lower Upper

95 100

174 73.9 0.0 154.8

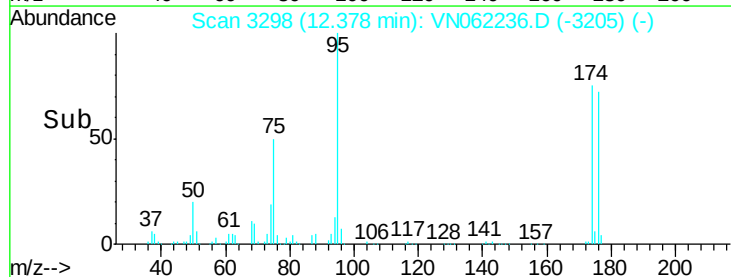
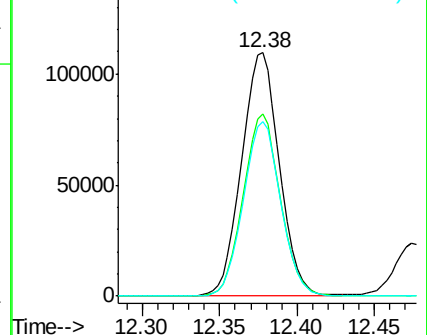
176 71.4 0.0 147.4

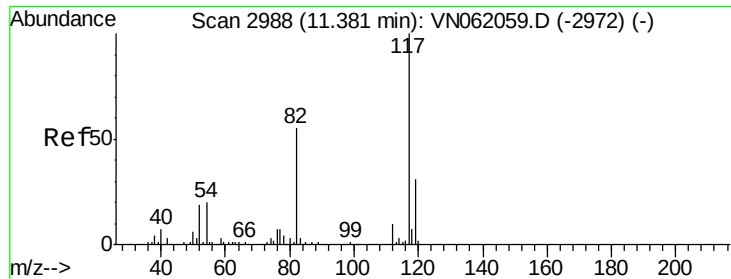


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

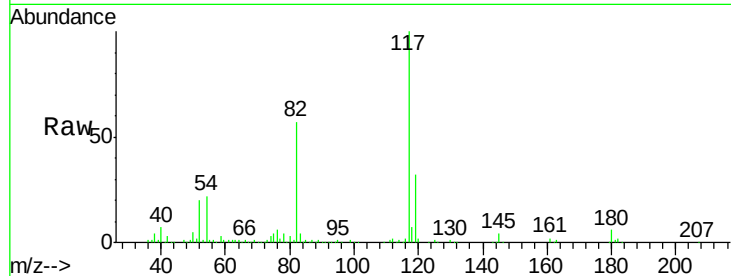




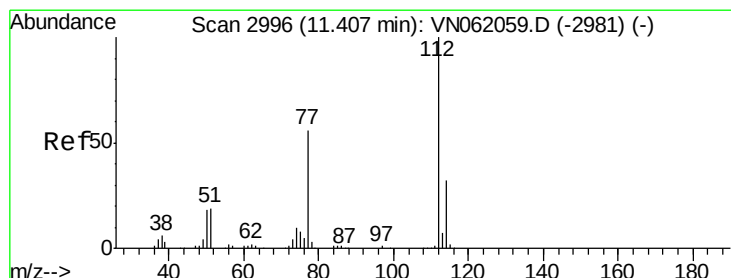
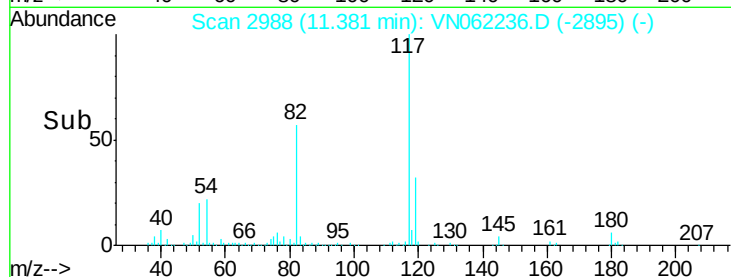
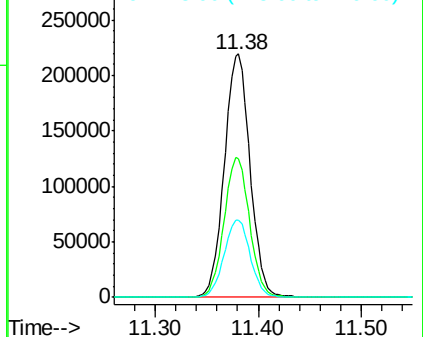
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062236.D
Acq: 30 Jun 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion:117 Resp: 381654
Ion Ratio Lower Upper
117 100
82 57.2 43.8 65.8
119 31.9 25.2 37.8

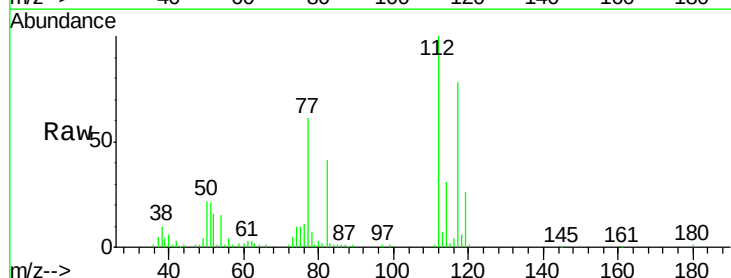


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

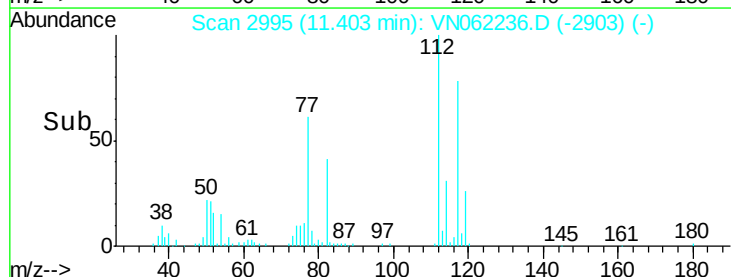
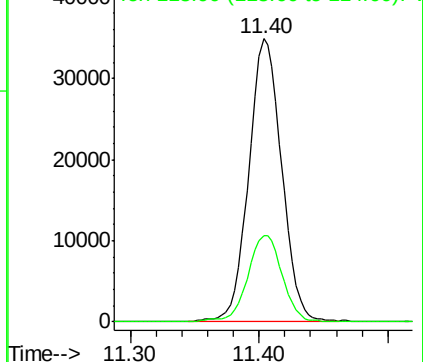


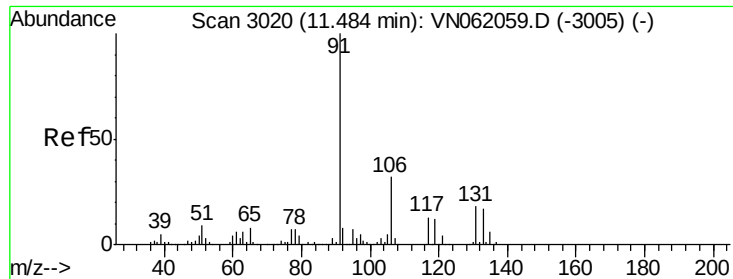
#65
Chlorobenzene
Concen: 7.412 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062236.D
Acq: 30 Jun 2020 13:49

Tgt Ion:112 Resp: 62122
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

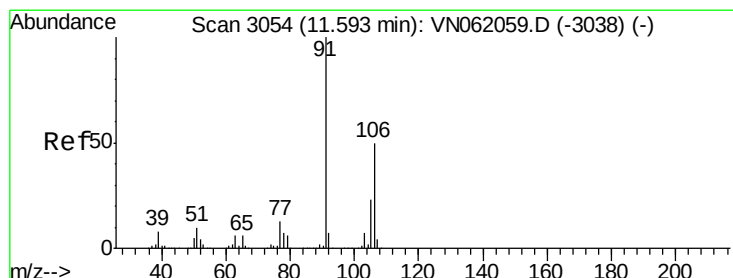
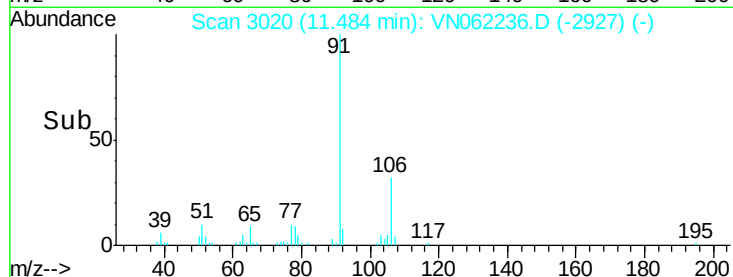
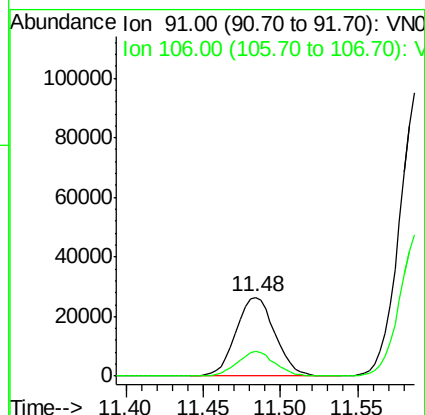
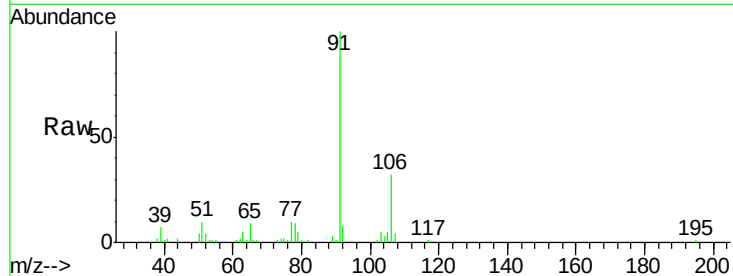




#67
Ethyl Benzene
Concen: 3.274 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062236.D
Acq: 30 Jun 2020 13:49

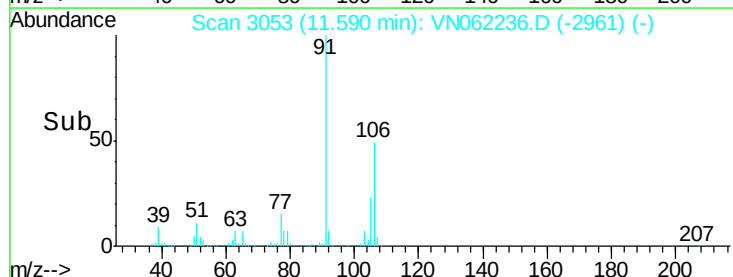
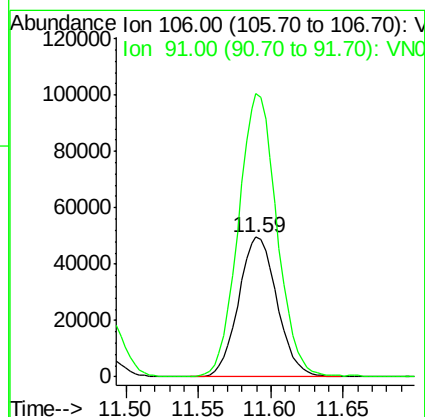
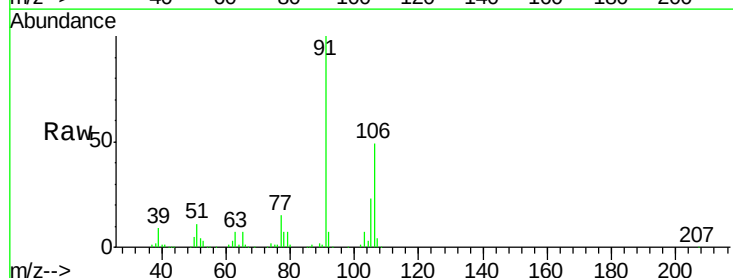
Instrument :
MSVOA_N
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EPEC-POLYMERS-05

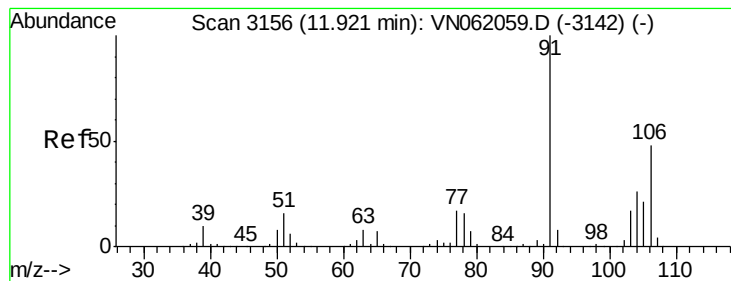
Tot Ion: 91 Resp: 46341
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 16.743 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN062236.D
Acq: 30 Jun 2020 13:49

Tgt Ion: 106 Resp: 91666
Ion Ratio Lower Upper
106 100
91 202.2 157.8 236.8





#69

o-Xylene

Concen: 49.853 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062236.D

Acq: 30 Jun 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

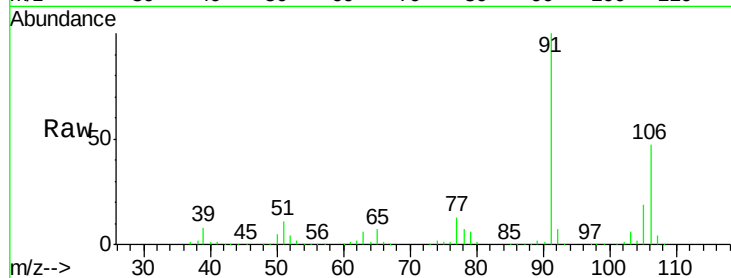
EPEC-POLYMERS-05

Tot Ion:106 Resp: 257517

Ion Ratio Lower Upper

106 100

91 215.8 104.0 311.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

400000

300000

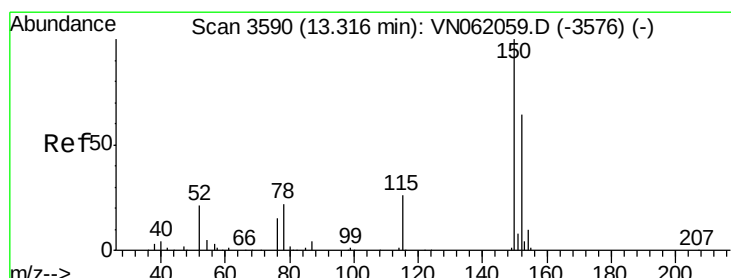
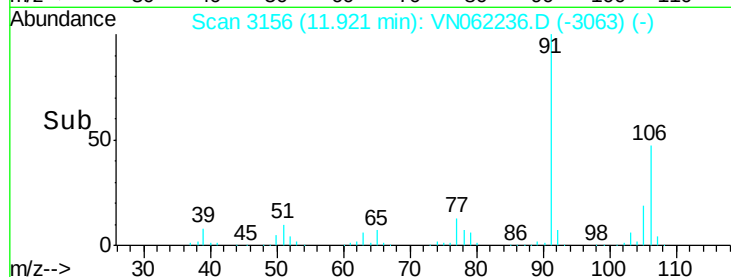
200000

100000

0

11.92

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062236.D

Acq: 30 Jun 2020 13:49

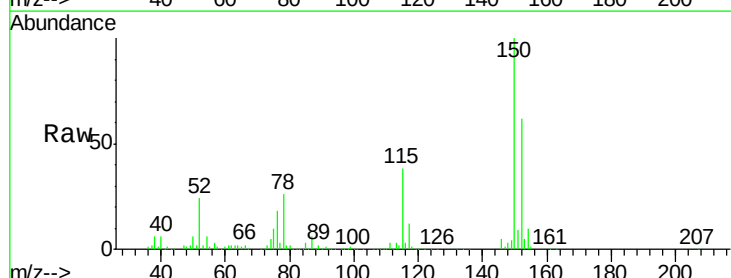
Tgt Ion:152 Resp: 190573

Ion Ratio Lower Upper

152 100

115 60.1 29.5 88.5

150 164.5 0.0 351.4



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

250000

200000

150000

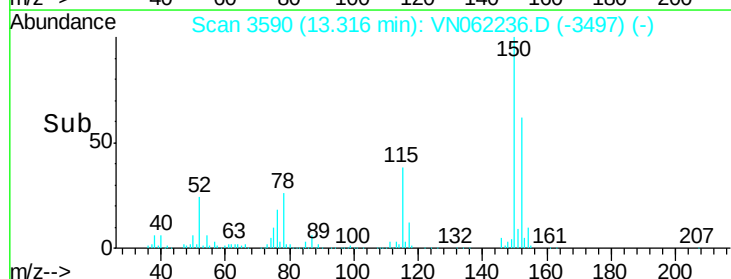
100000

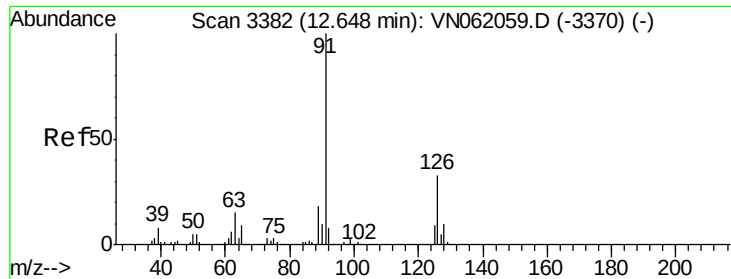
50000

0

13.32

Time-->

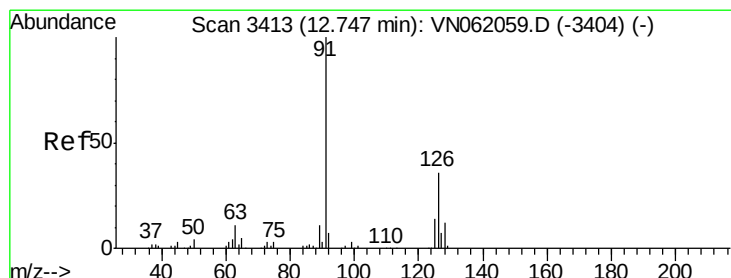
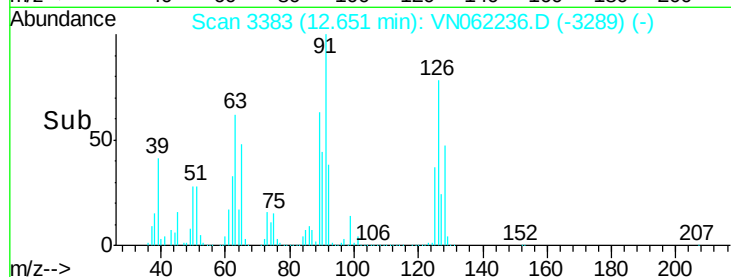
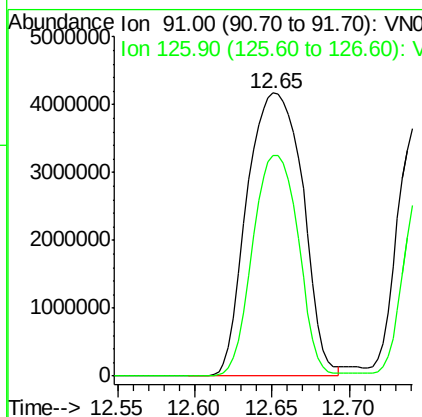
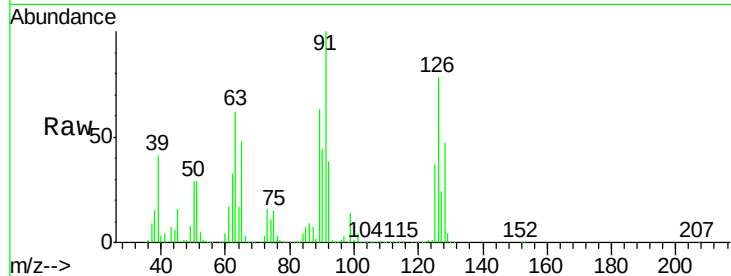




#79
 2-Chlorotoluene
 Concen: 1025.894 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

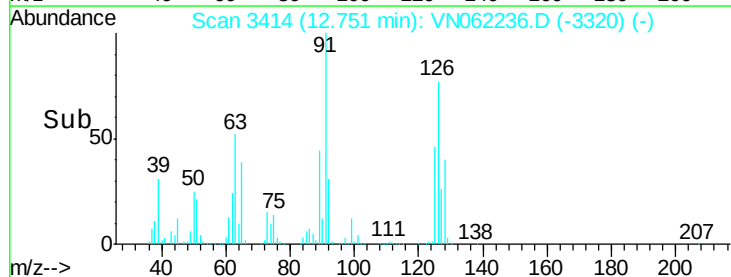
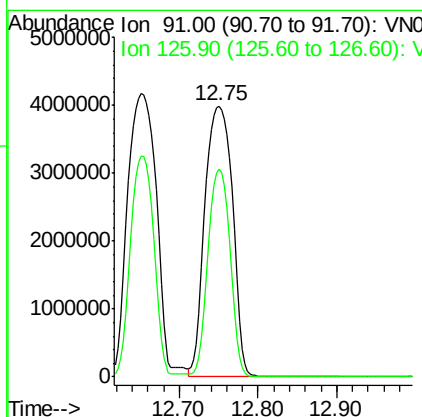
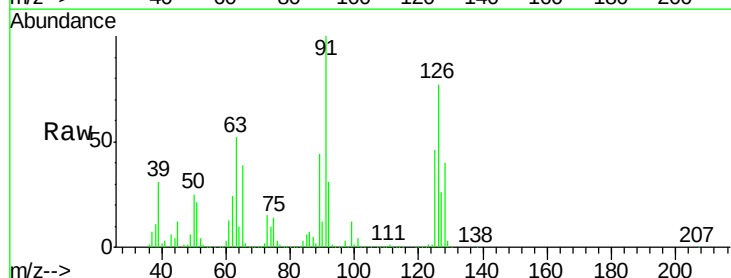
Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

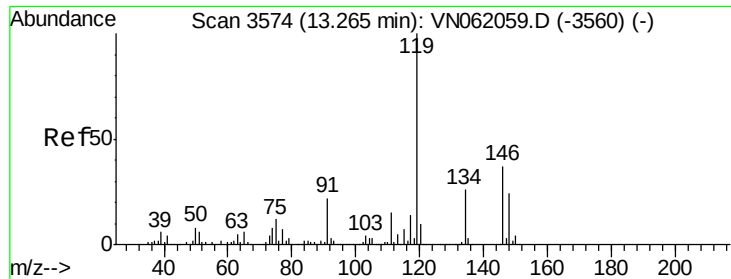
Tot Ion: 91 Resp:10465242
 Ion Ratio Lower Upper
 91 100
 126 64.2 16.9 50.7#



#82
 4-Chlorotoluene
 Concen: 916.008 ug/l
 RT: 12.75 min Scan# 3414
 Delta R.T. 0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

Tgt Ion: 91 Resp: 9662949
 Ion Ratio Lower Upper
 91 100
 126 61.8 16.7 50.1#

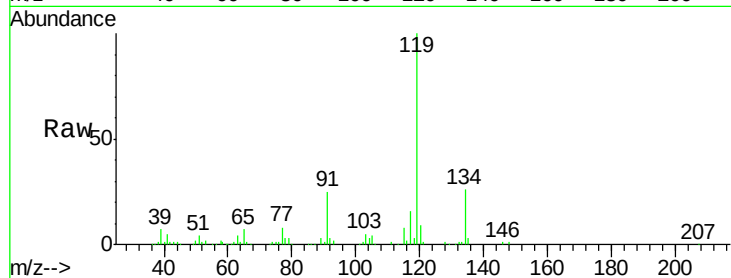




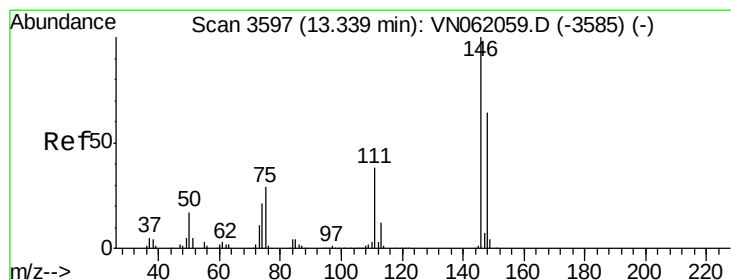
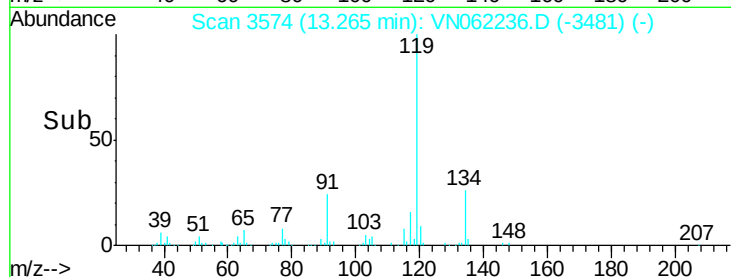
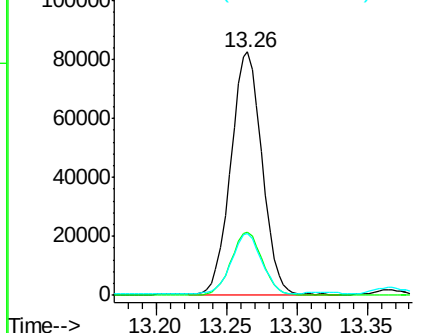
#86
 p-Isopropyltoluene
 Concen: 10.731 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion:119 Resp: 127137
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 39.0
 91 24.7 11.3 33.8

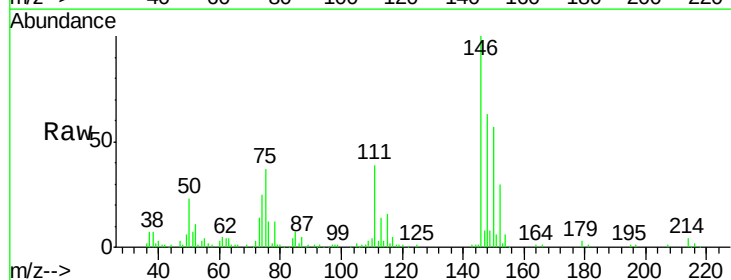


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

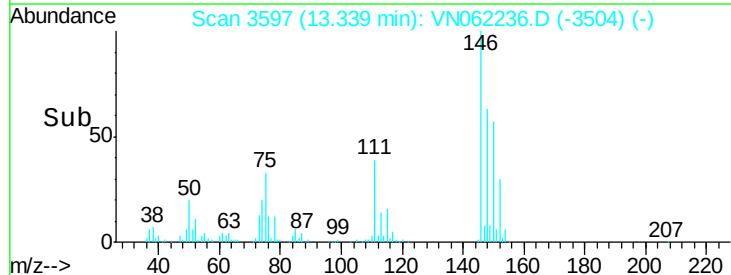
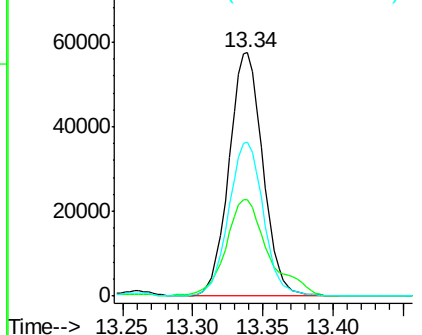


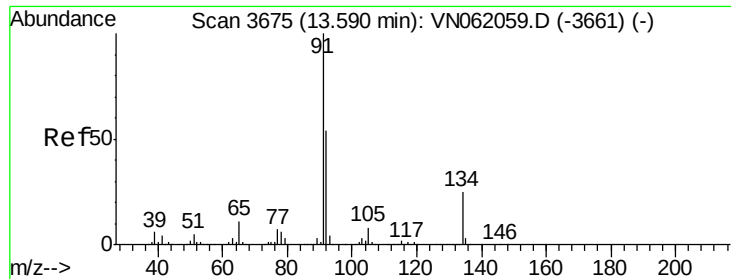
#88
 1,4-Dichlorobenzene
 Concen: 14.544 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

Tgt Ion:146 Resp: 96414
 Ion Ratio Lower Upper
 146 100
 111 49.9 19.9 59.6
 148 65.1 31.9 95.9



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





#89

n-Butylbenzene

Concen: 1.410 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062236.D

Acq: 30 Jun 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

EPEC-POLYMERS-05

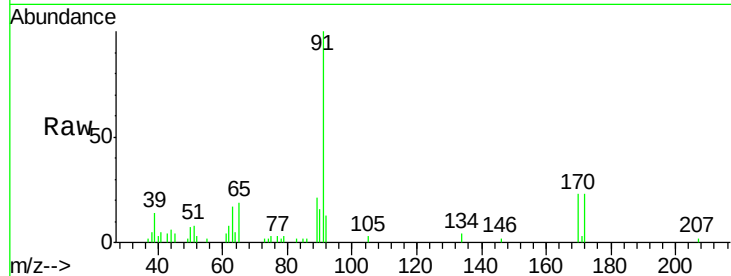
Tot Ion: 91 Resp: 13892

Ion Ratio Lower Upper

91 100

92 15.4 26.6 79.7#

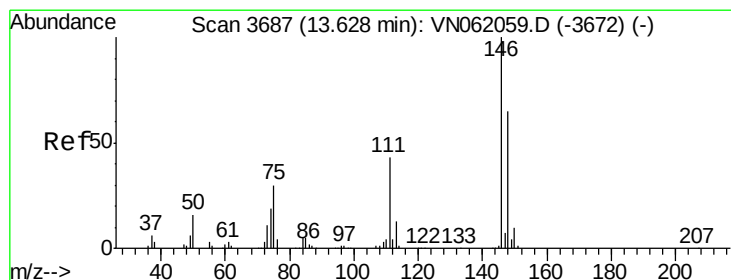
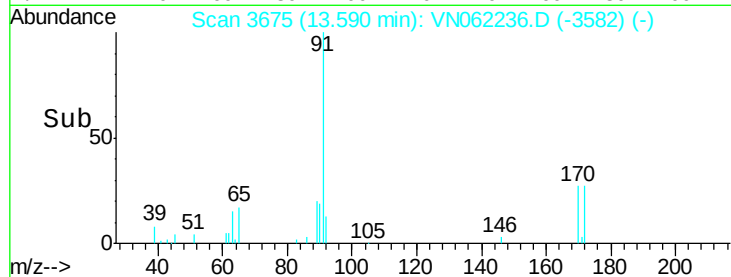
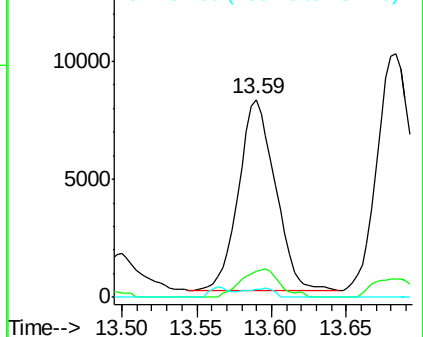
134 2.7 12.3 36.9#



Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062059.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062059.D (-3661) (-)



#91

1,2-Dichlorobenzene

Concen: 13.585 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062236.D

Acq: 30 Jun 2020 13:49

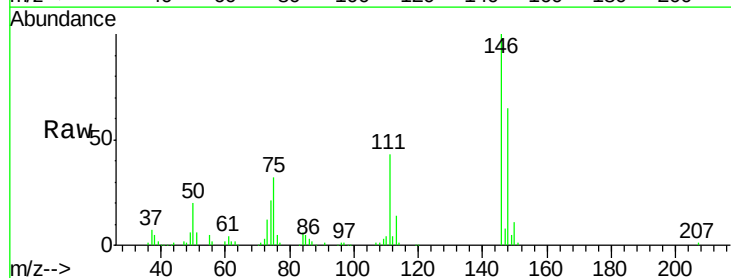
Tgt Ion: 146 Resp: 84719

Ion Ratio Lower Upper

146 100

111 44.7 21.2 63.6

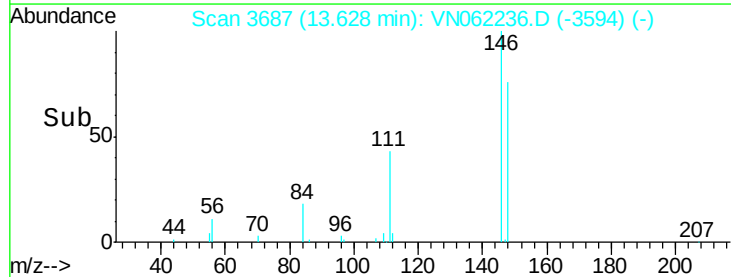
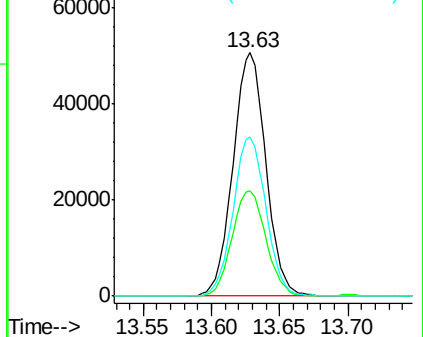
148 65.3 31.9 95.5

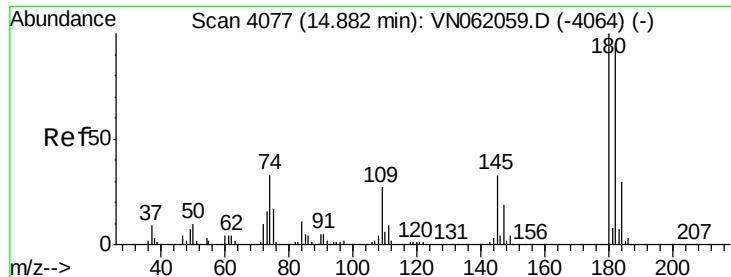


Abundance Ion 145.90 (145.60 to 146.60): VN062059.D (-3672) (-)

Ion 110.90 (110.60 to 111.60): VN062059.D (-3672) (-)

Ion 147.90 (147.60 to 148.60): VN062059.D (-3672) (-)

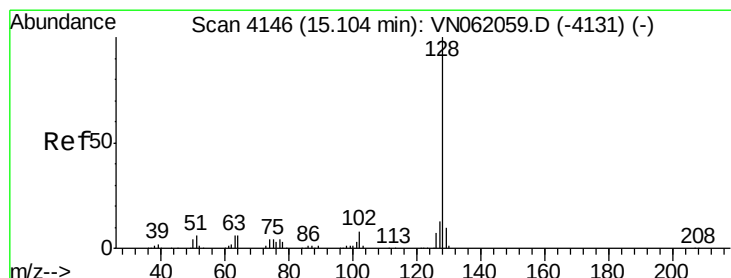
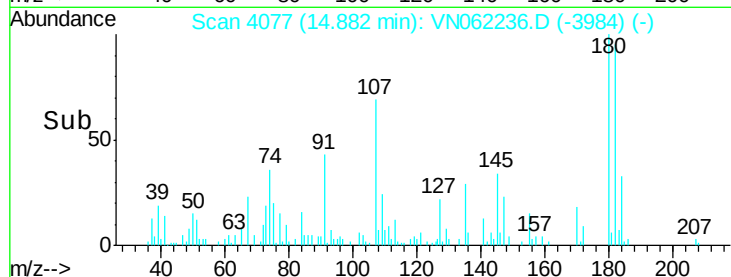
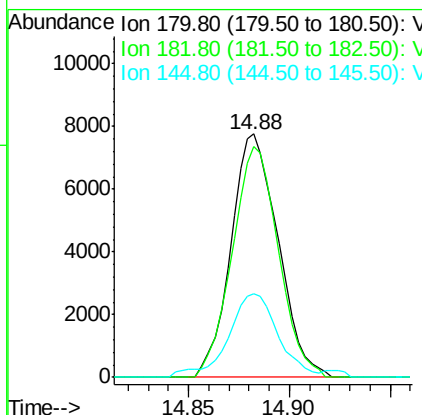
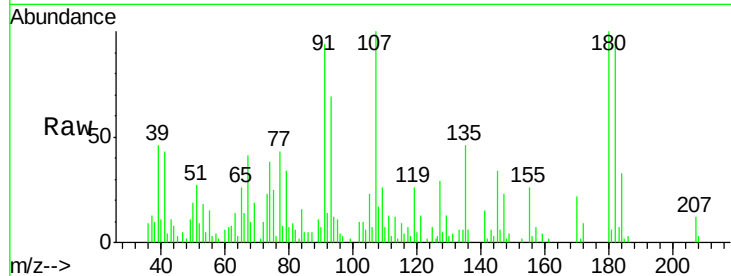




#93
 1,2,4-Trichlorobenzene
 Concen: 4.659 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion:180 Resp: 12693
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.0 144.2
 145 36.1 16.0 48.0



#95
 Naphthalene
 Concen: 17.793 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN062236.D
 Acq: 30 Jun 2020 13:49

Tgt Ion:128 Resp: 136226
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.5 15.7
 129 11.4 8.6 13.0

