

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062266.D
 Acq On : 1 Jul 2020 3:06
 Operator : JC/MD
 Sample : L3148-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Quant Time: Jul 01 05:58:44 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	7.63	168	204381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	400281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	229453	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	156205	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
35) Dibromofluoromethane	7.55	113	125899	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.06	98	540391	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.38	95	205432	59.23	ug/l	0.00
Spiked Amount			Recovery	=	118.46%	

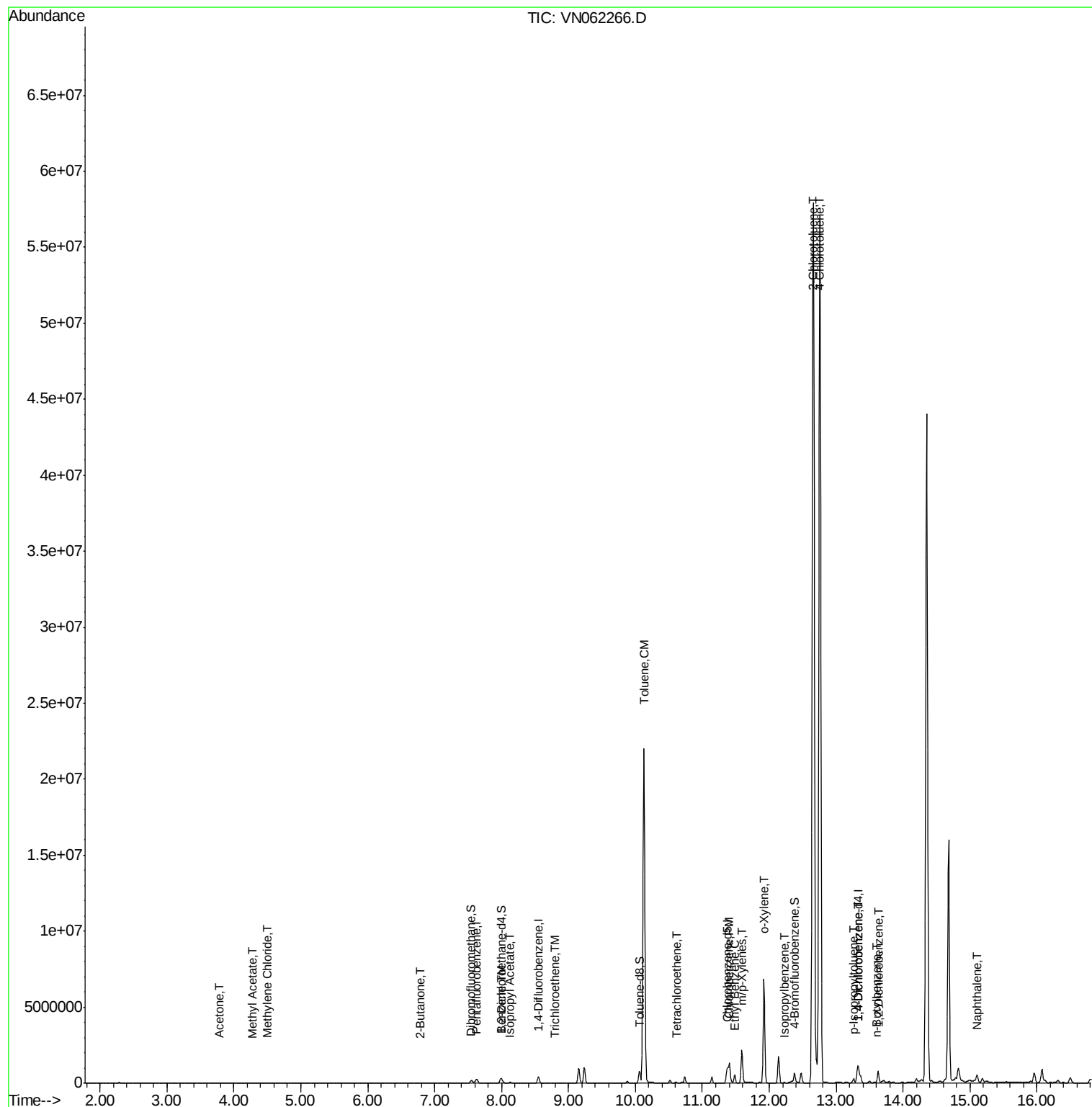
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	34920	35.309	ug/l	95
18) Methyl Acetate	4.28	43	3273	1.436	ug/l	99
20) Methylene Chloride	4.50	84	21916	8.142	ug/l	99
25) 2-Butanone	6.79	43	13540	9.658	ug/l #	81
40) Benzene	8.00	78	195336	15.929	ug/l	99
43) Isopropyl Acetate	8.13	43	53716	9.891	ug/l	98
44) Trichloroethene	8.80	130	7048	2.278	ug/l	94
52) Toluene	10.13	92	9126128	1219.673	ug/l #	62
64) Tetrachloroethene	10.60	164	7753	2.656	ug/l	94
65) Chlorobenzene	11.41	112	685050	72.991	ug/l	100
67) Ethyl Benzene	11.48	91	403007	25.425	ug/l	98
68) m/p-Xylenes	11.59	106	666718	108.749	ug/l	96
69) o-Xylene	11.92	106	1971932	340.900	ug/l	95
73) Isopropylbenzene	12.22	105	19309	1.087	ug/l	100
79) 2-Chlorotoluene	12.66	91	15183176	1236.185	ug/l #	40
82) 4-Chlorotoluene	12.76	91	13794494	1086.083	ug/l #	36
86) p-Isopropyltoluene	13.26	119	149504	10.480	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	314926	39.455	ug/l	97
89) n-Butylbenzene	13.59	91	30199	2.546	ug/l #	44
91) 1,2-Dichlorobenzene	13.63	146	314852	41.932	ug/l	99
95) Naphthalene	15.10	128	387915	36.629	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

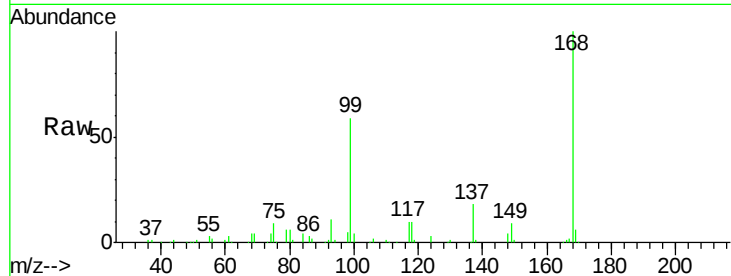
EPEC-POLYMERS-05

Tot Ion:168 Resp: 204381

Ion Ratio Lower Upper

168 100

99 59.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

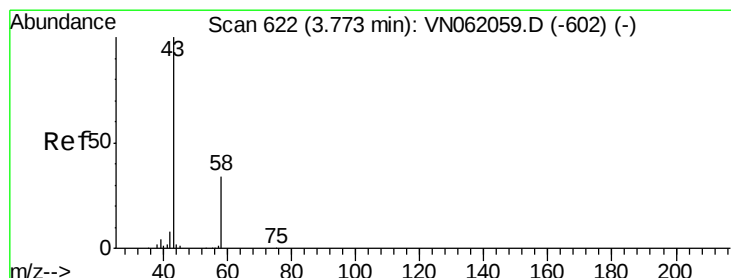
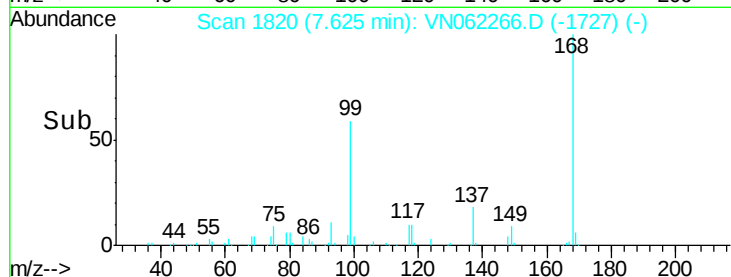
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 35.309 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062266.D

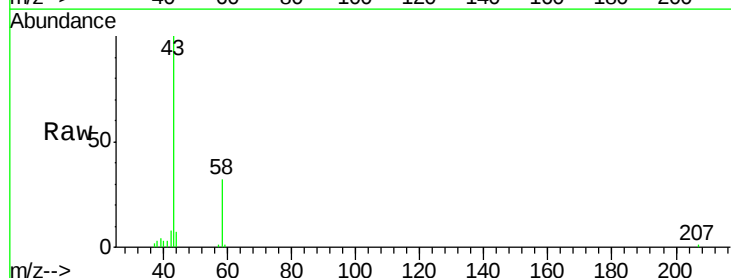
Acq: 1 Jul 2020 3:06

Tgt Ion: 43 Resp: 34920

Ion Ratio Lower Upper

43 100

58 31.7 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

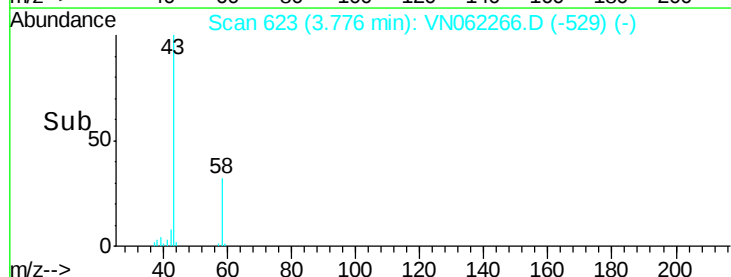
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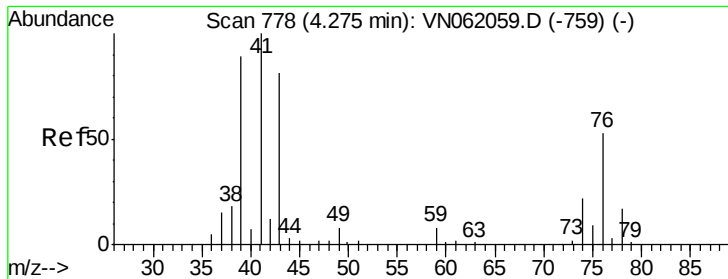
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5000

0

Time-->

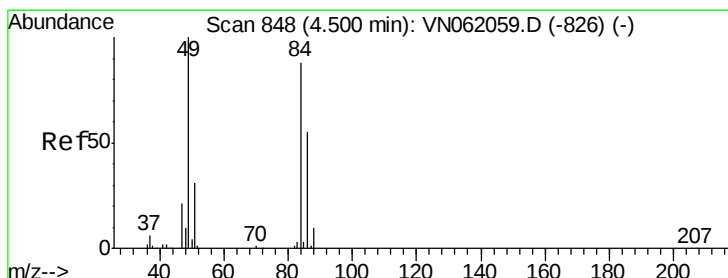
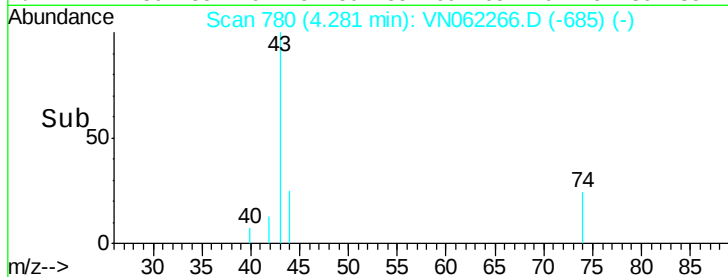
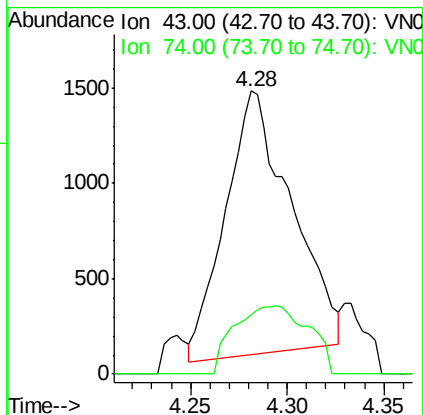
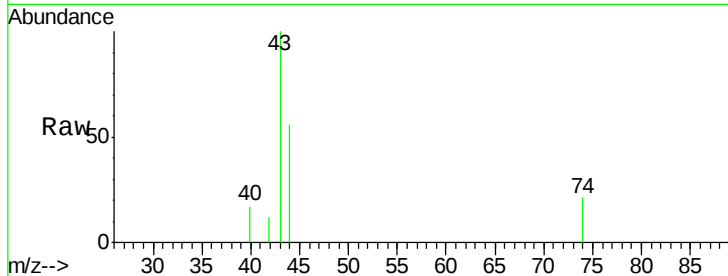




#18
Methyl Acetate
Concen: 1.436 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

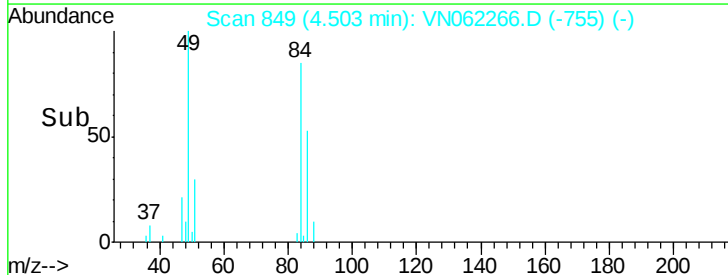
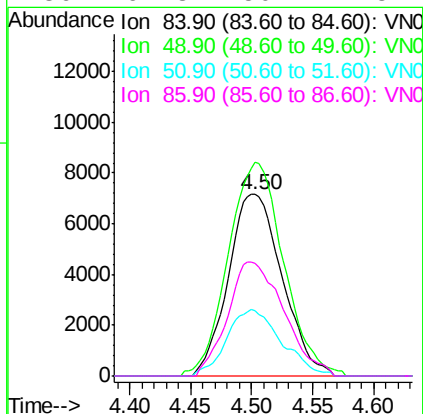
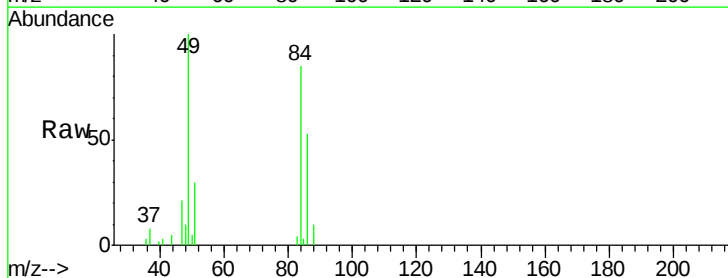
Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

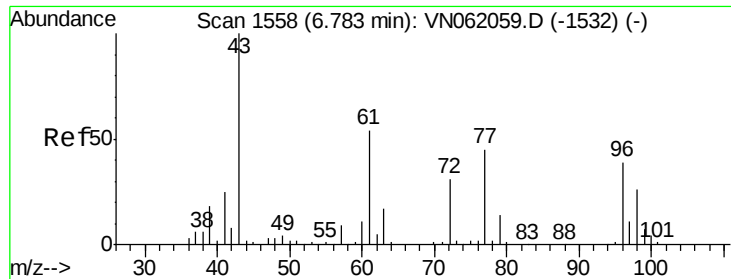
Tot Ion: 43 Resp: 3273
Ion Ratio Lower Upper
43 100
74 29.1 22.9 34.3



#20
Methylene Chloride
Concen: 8.142 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

Tgt Ion: 84 Resp: 21916
Ion Ratio Lower Upper
84 100
49 114.9 90.6 136.0
51 35.7 27.8 41.8
86 62.3 50.1 75.1





#25

2-Butanone

Concen: 9.658 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

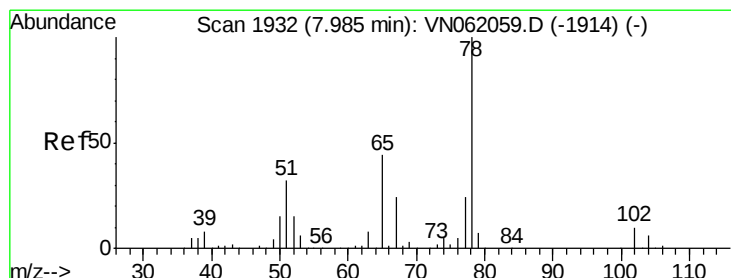
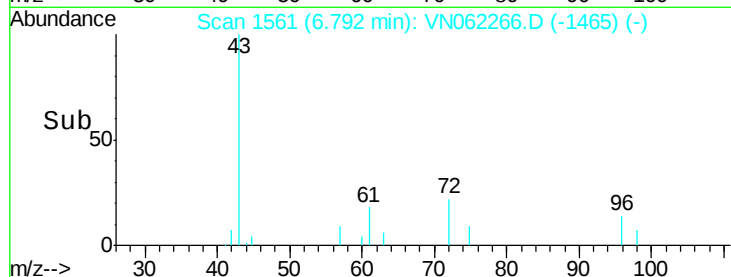
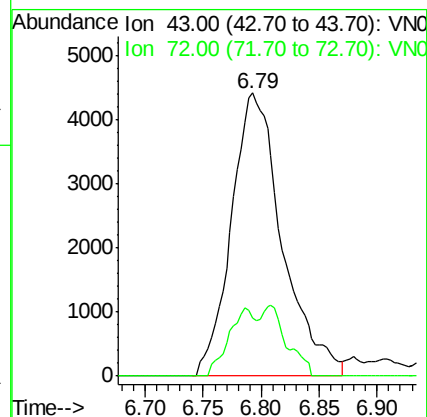
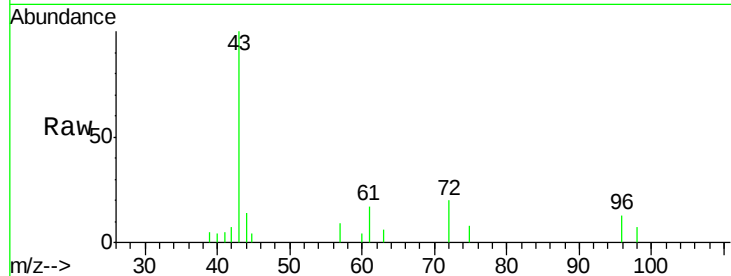
EPEC-POLYMERS-05

Tot Ion: 43 Resp: 13540

Ion Ratio Lower Upper

43 100

72 20.4 24.8 37.2#



#33

1,2-Dichloroethane-d4

Concen: 54.462 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062266.D

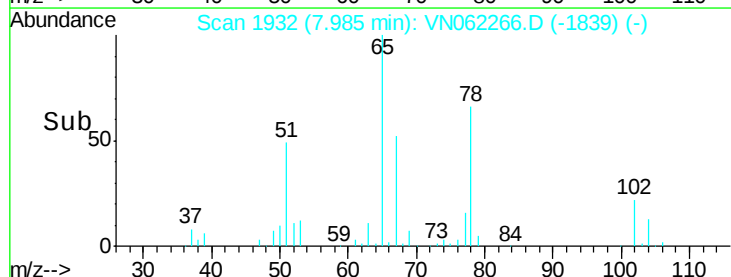
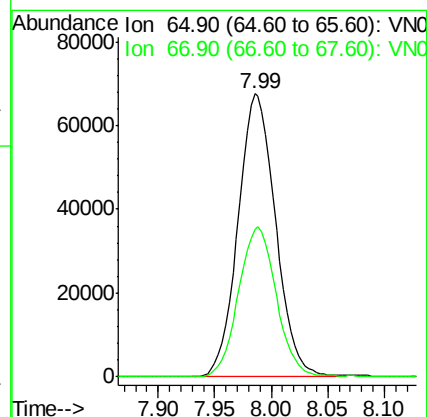
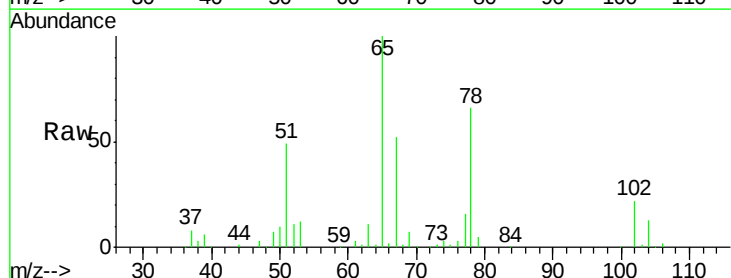
Acq: 1 Jul 2020 3:06

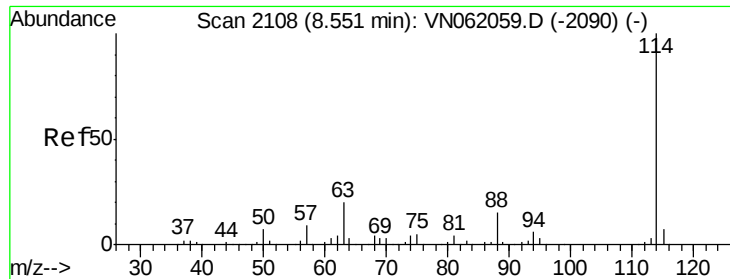
Tgt Ion: 65 Resp: 156205

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2

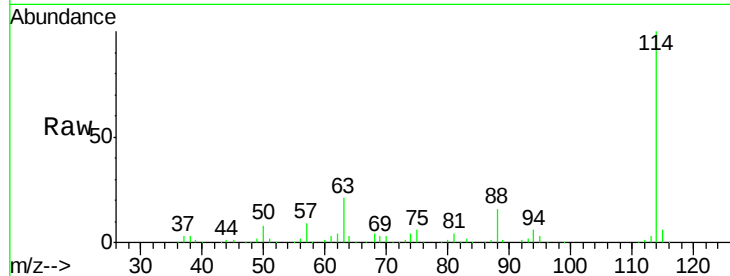




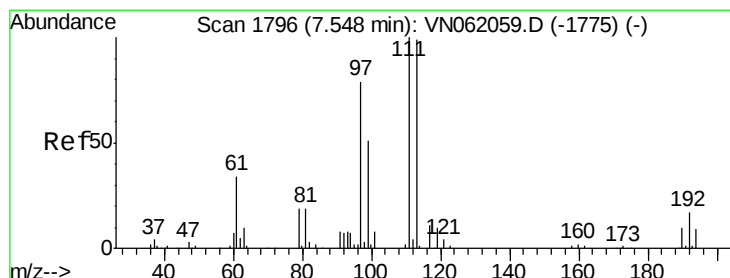
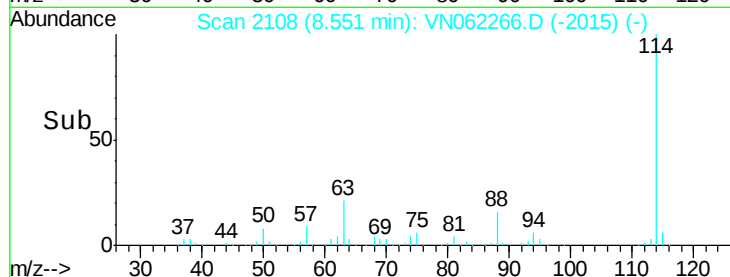
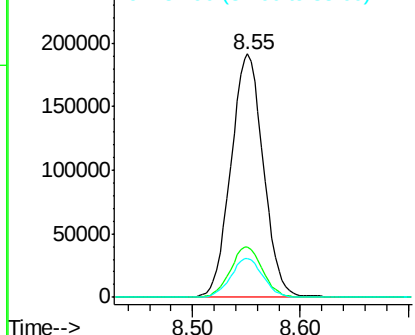
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062266.D
 Acq: 1 Jul 2020 3:06

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion:114 Resp: 400281
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.2
 88 16.0 0.0 30.8

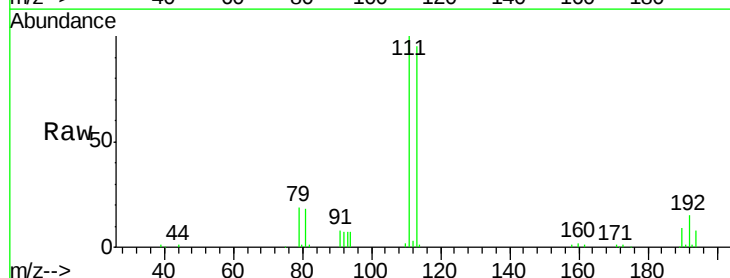


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

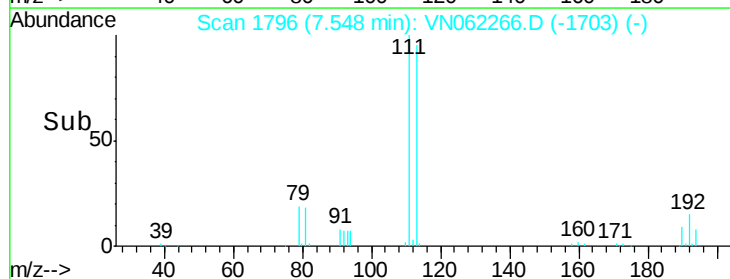
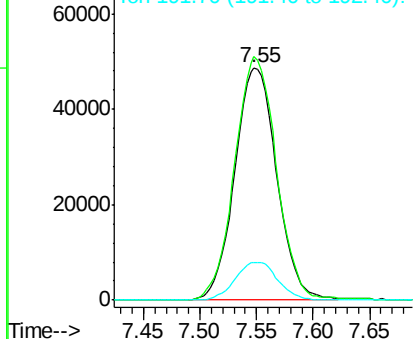


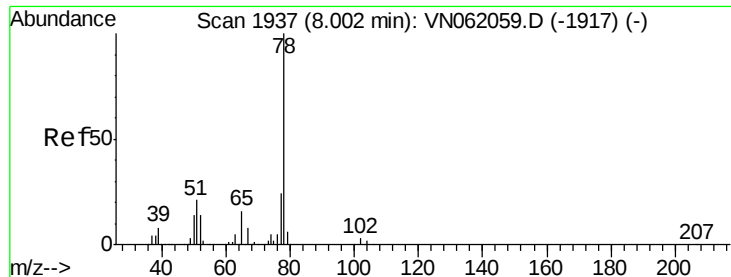
#35
 Dibromofluoromethane
 Concen: 49.026 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062266.D
 Acq: 1 Jul 2020 3:06

Tgt Ion:113 Resp: 125899
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.2 123.4
 192 16.3 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





#40

Benzene

Concen: 15.929 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

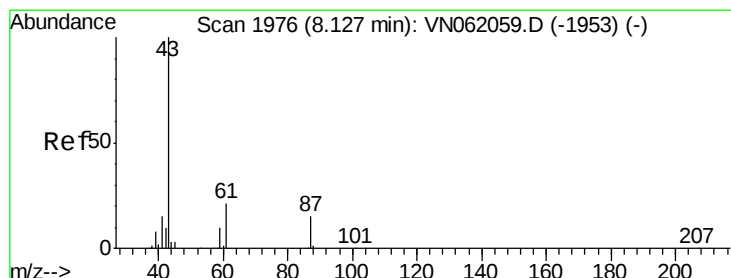
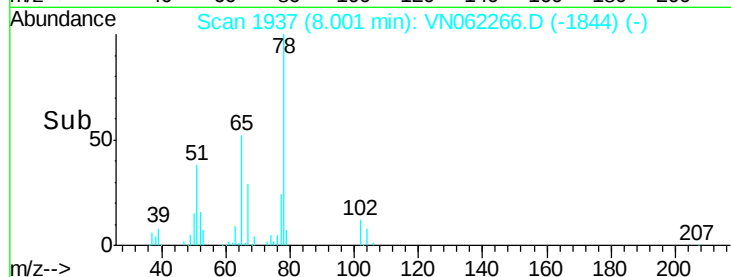
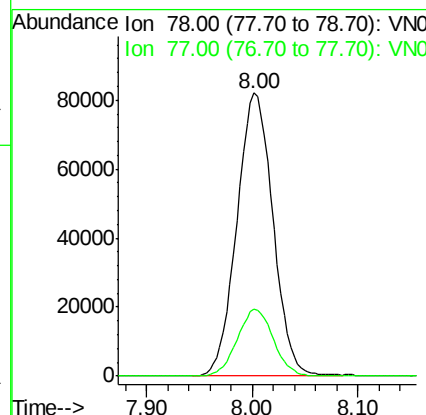
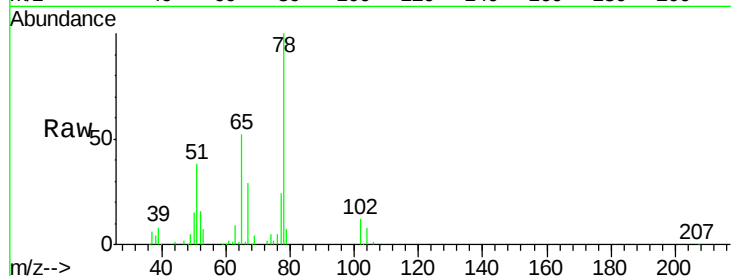
EPEC-POLYMERS-05

Tot Ion: 78 Resp: 195336

Ion Ratio Lower Upper

78 100

77 23.7 19.5 29.3



#43

Isopropyl Acetate

Concen: 9.891 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

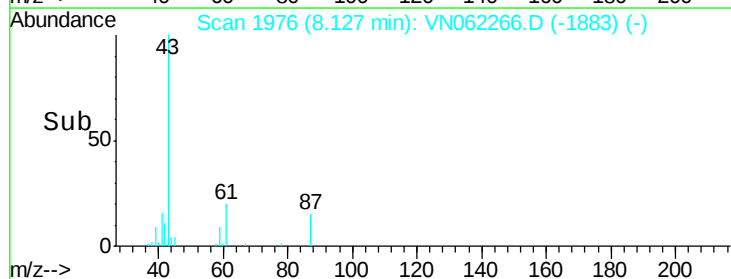
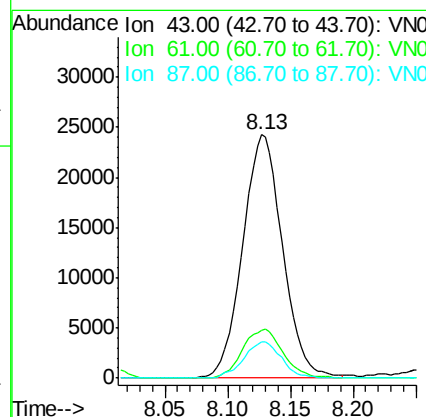
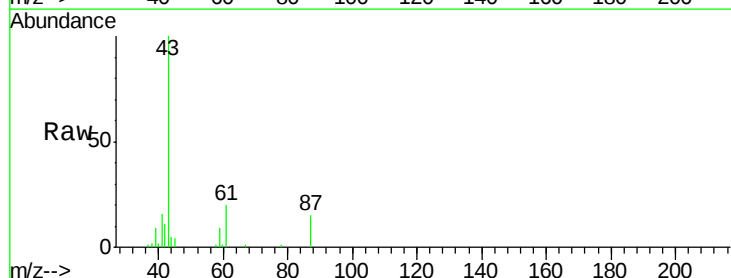
Tgt Ion: 43 Resp: 53716

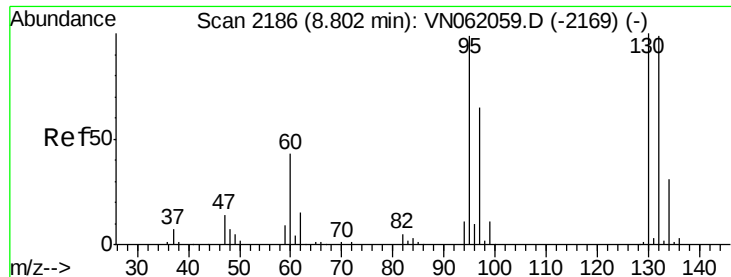
Ion Ratio Lower Upper

43 100

61 20.3 17.2 25.8

87 14.0 12.1 18.1

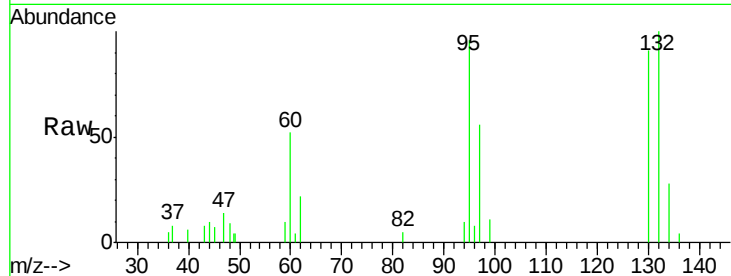




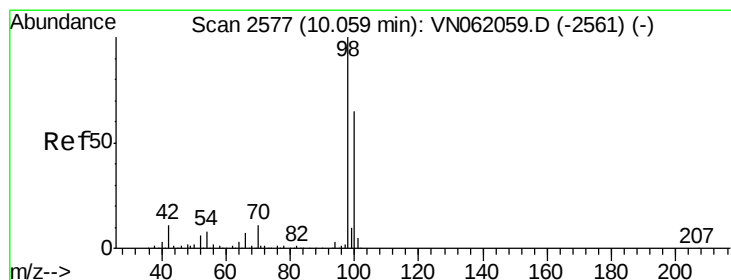
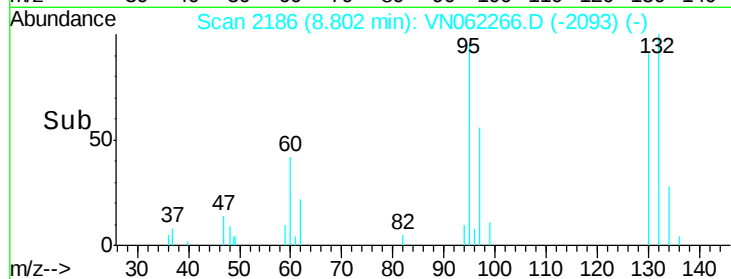
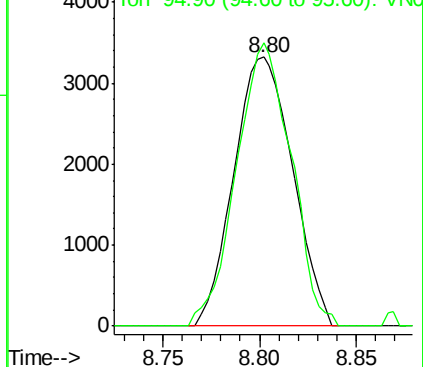
#44
 Trichloroethene
 Concen: 2.278 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN062266.D
 Acq: 1 Jul 2020 3:06

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion:130 Resp: 7048
 Ion Ratio Lower Upper
 130 100
 95 105.2 0.0 197.8

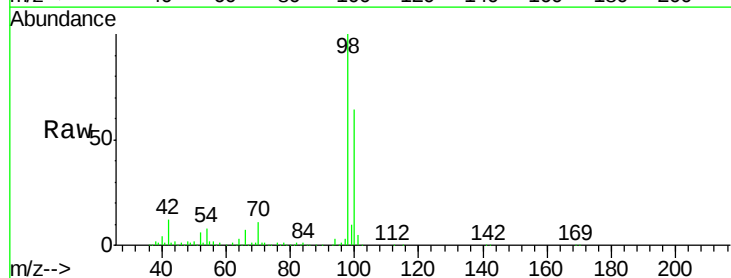


Abundance Ion 129.80 (129.50 to 130.50): VN062059.D (-2169) (-)

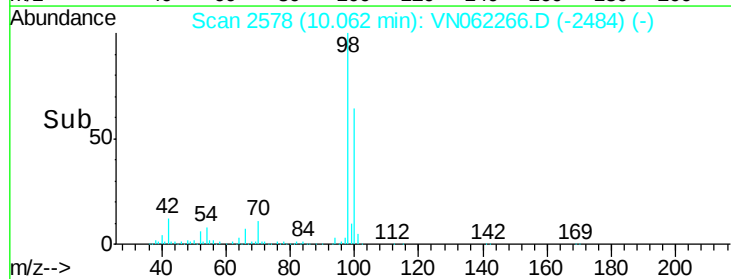
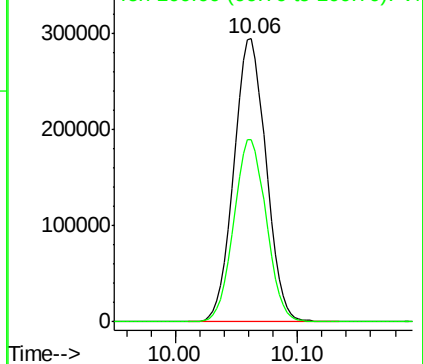


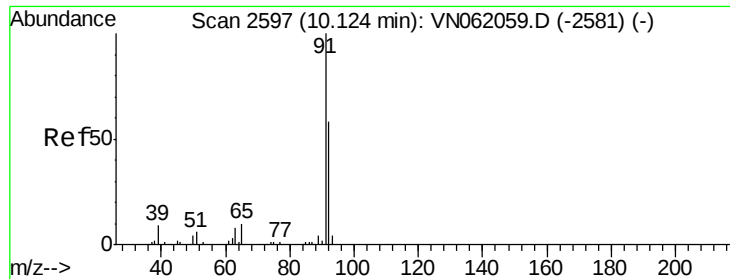
#50
 Toluene-d8
 Concen: 52.643 ug/l
 RT: 10.06 min Scan# 2578
 Delta R.T. 0.00 min
 Lab File: VN062266.D
 Acq: 1 Jul 2020 3:06

Tgt Ion: 98 Resp: 540391
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)





#52

Toluene

Concen: 1219.673 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

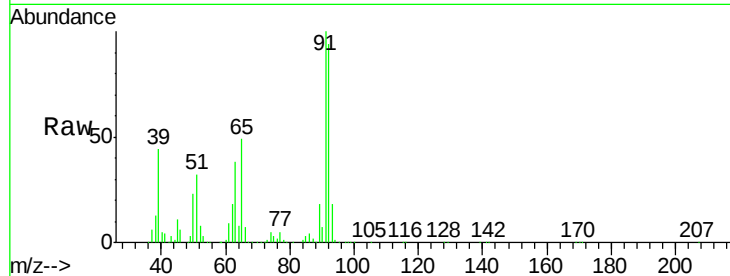
EPEC-POLYMERS-05

Tot Ion: 92 Resp: 9126128

Ion Ratio Lower Upper

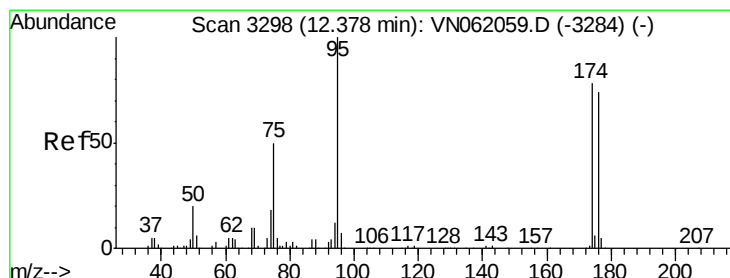
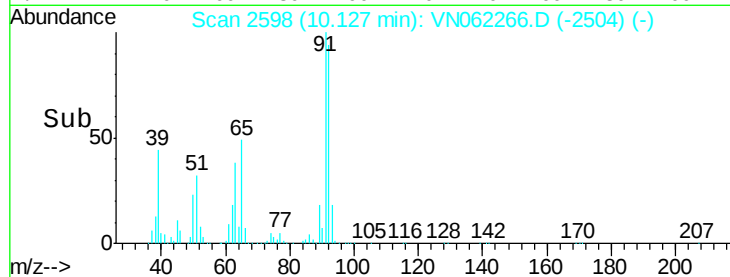
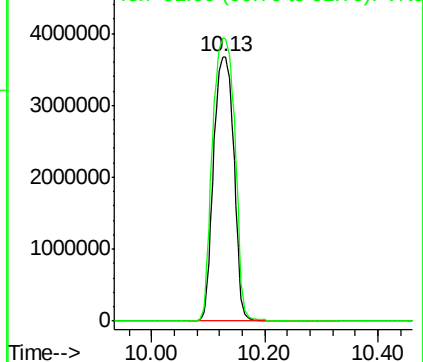
92 100

91 118.9 137.4 206.0#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 59.234 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

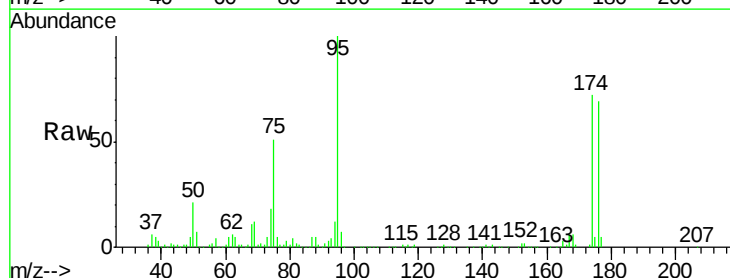
Tgt Ion: 95 Resp: 205432

Ion Ratio Lower Upper

95 100

174 72.6 0.0 154.8

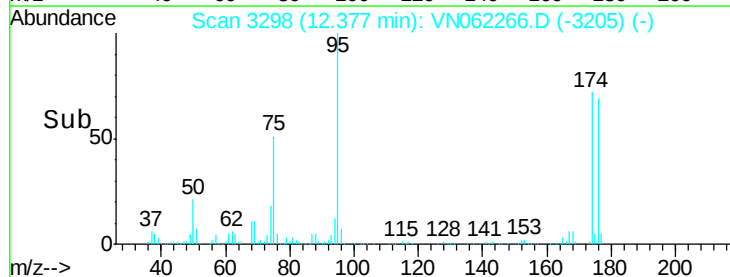
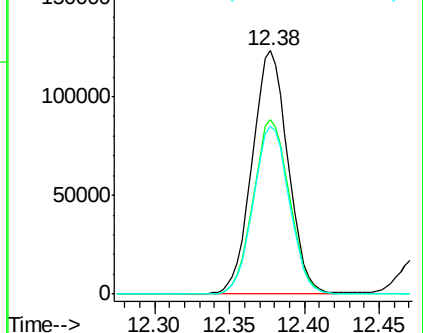
176 69.6 0.0 147.4

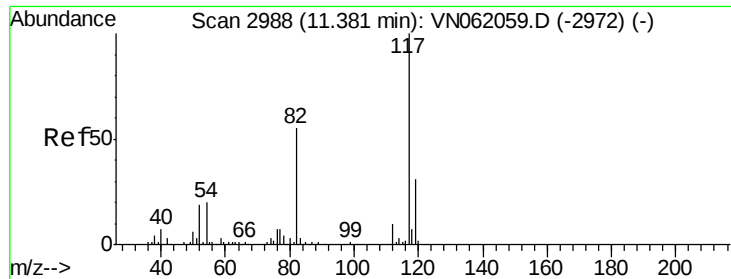


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

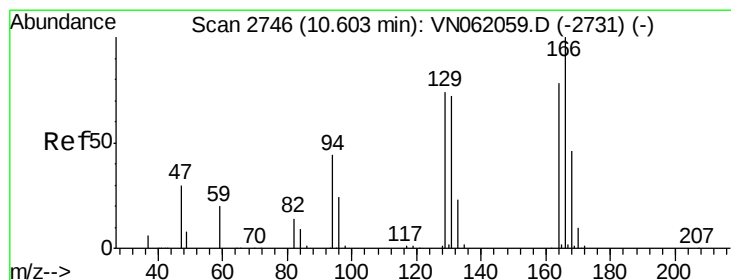
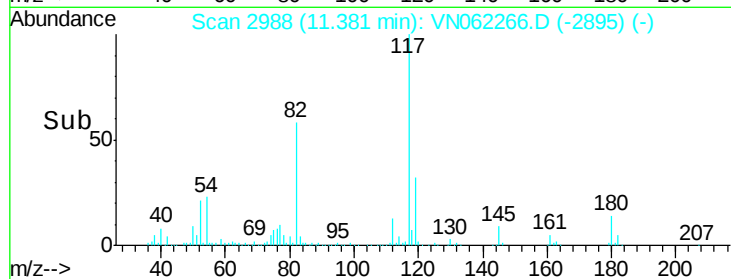
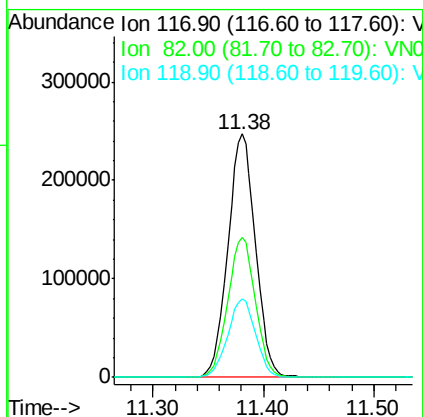
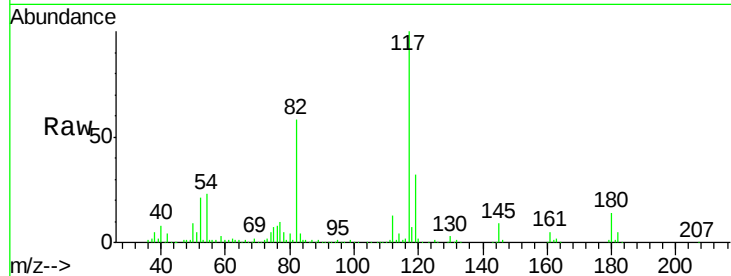




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

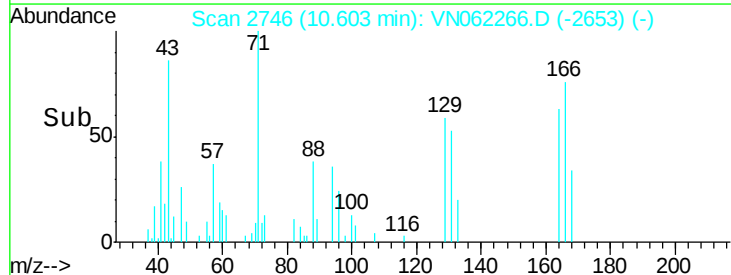
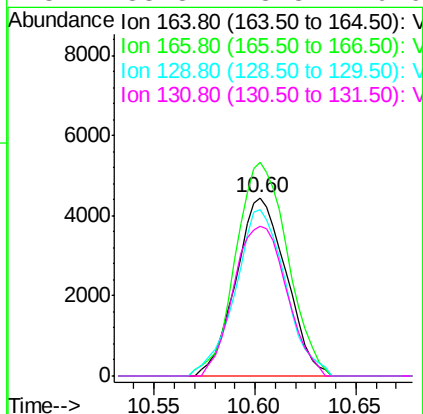
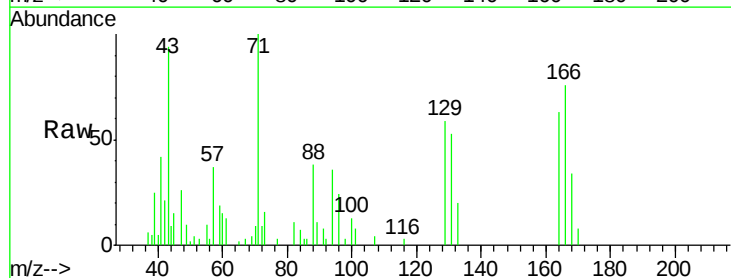
Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

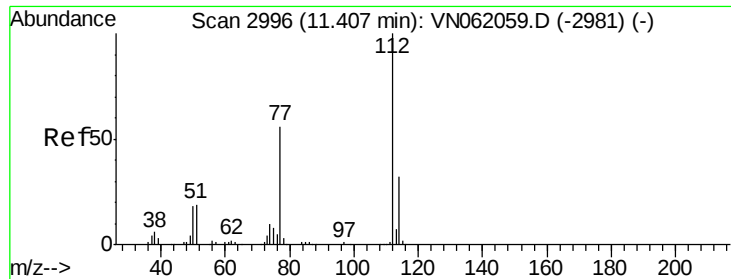
Tot Ion:117 Resp: 427382
Ion Ratio Lower Upper
117 100
82 57.6 43.8 65.8
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 2.656 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

Tgt Ion:164 Resp: 7753
Ion Ratio Lower Upper
164 100
166 120.0 102.9 154.3
129 93.7 75.8 113.8
131 83.8 73.8 110.6

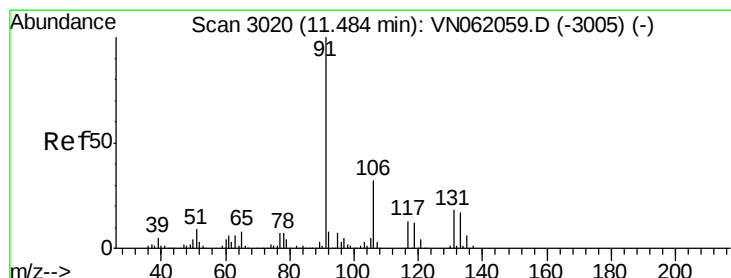
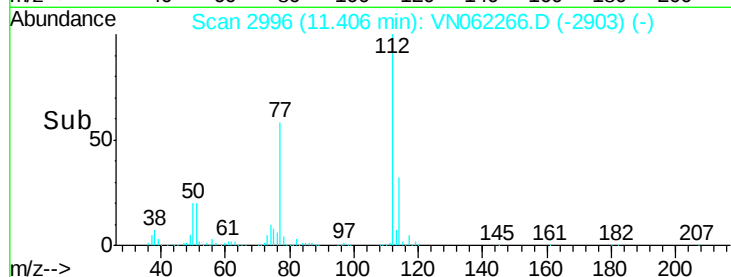
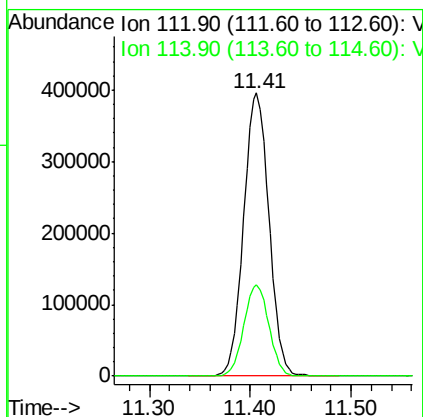
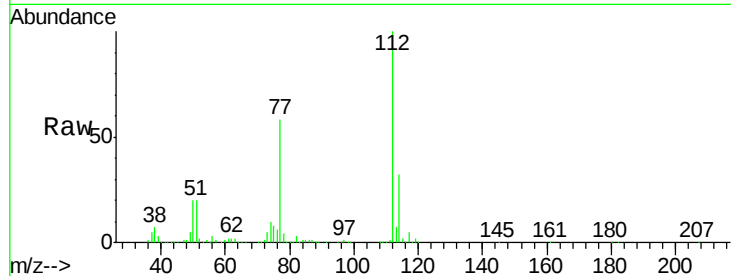




#65
Chlorobenzene
Concen: 72.991 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

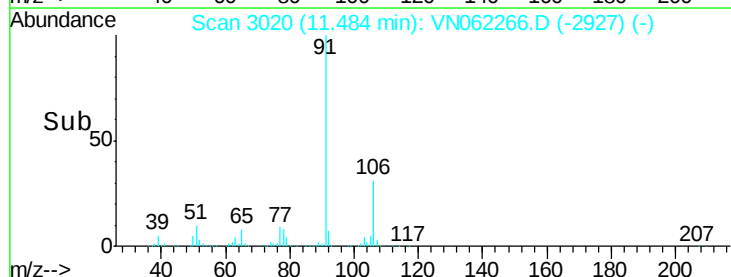
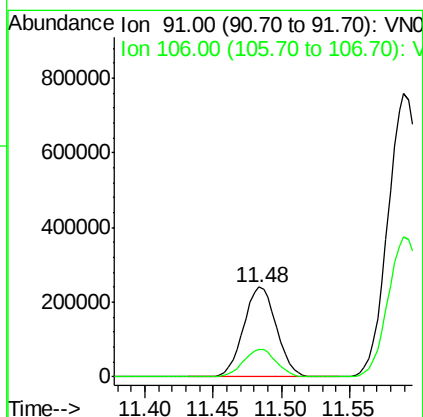
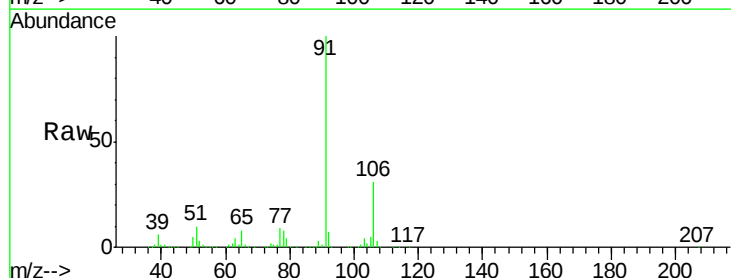
Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

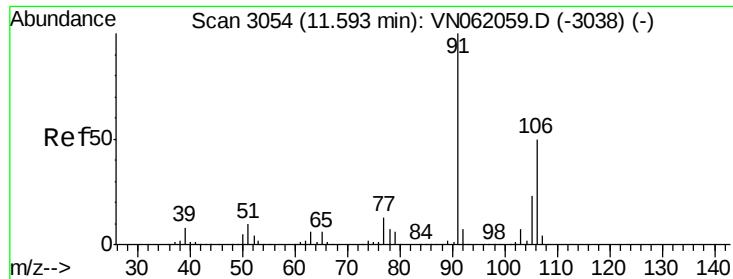
Tot Ion:112 Resp: 685050
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#67
Ethyl Benzene
Concen: 25.425 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

Tgt Ion: 91 Resp: 403007
Ion Ratio Lower Upper
91 100
106 30.5 25.3 37.9

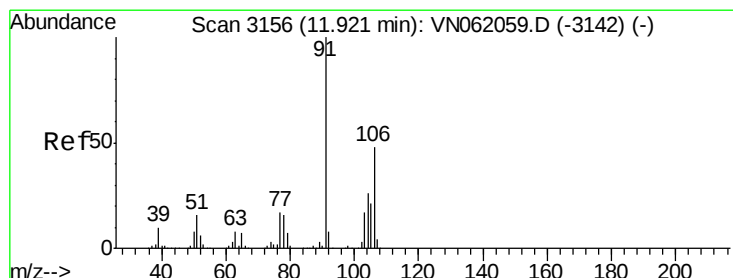
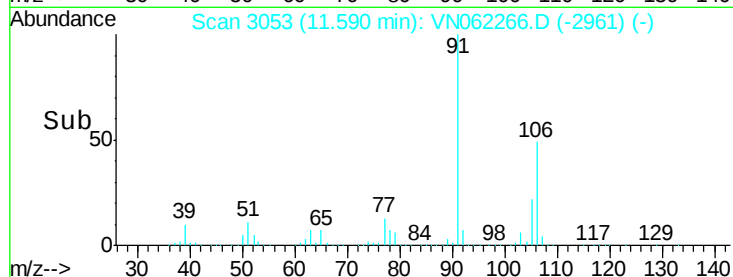
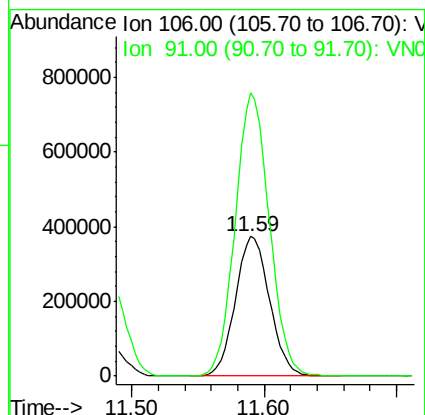
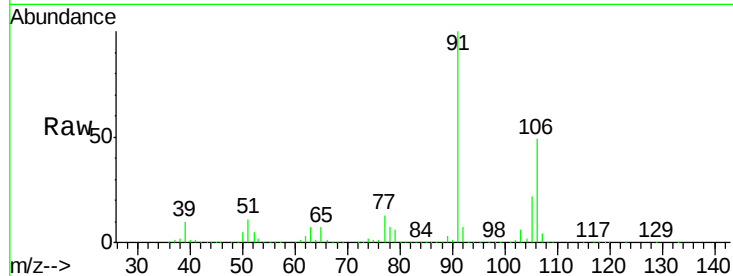




#68
m/p-Xylenes
Concen: 108.749 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

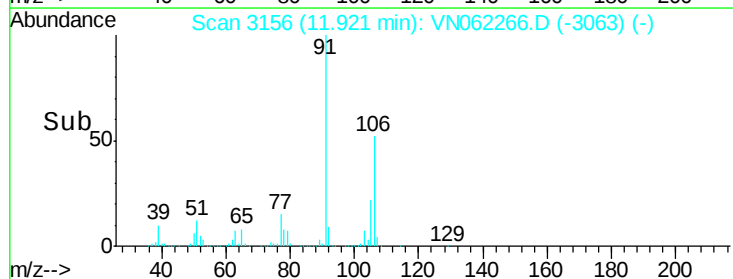
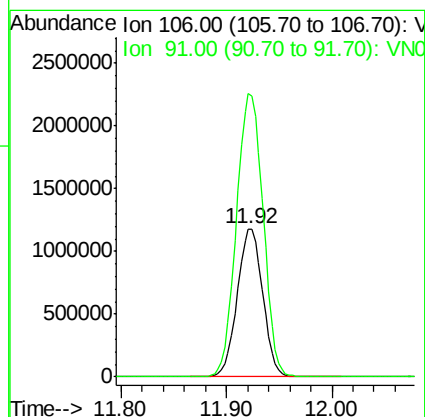
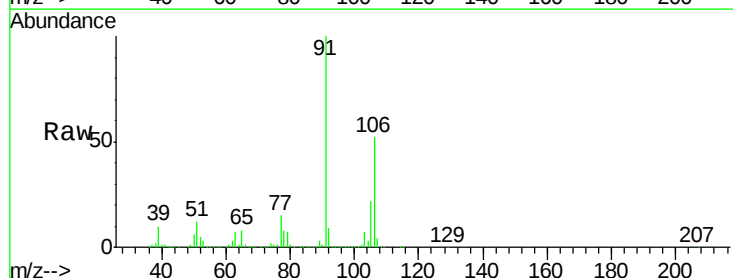
Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

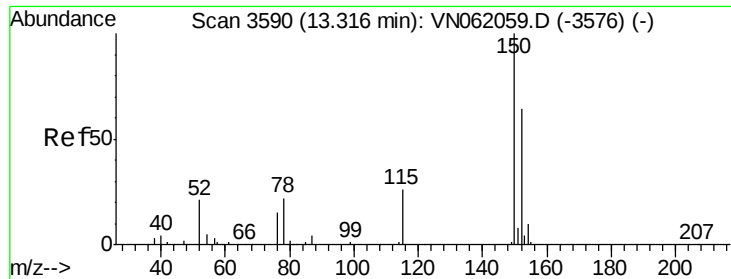
Tot Ion:106 Resp: 666718
Ion Ratio Lower Upper
106 100
91 202.6 157.8 236.8



#69
o-Xylene
Concen: 340.900 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

Tgt Ion:106 Resp: 1971932
Ion Ratio Lower Upper
106 100
91 200.5 104.0 311.9



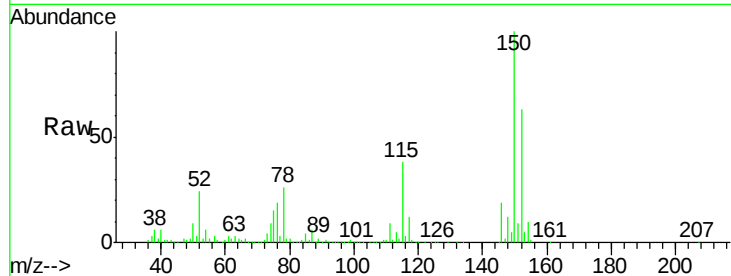


#72

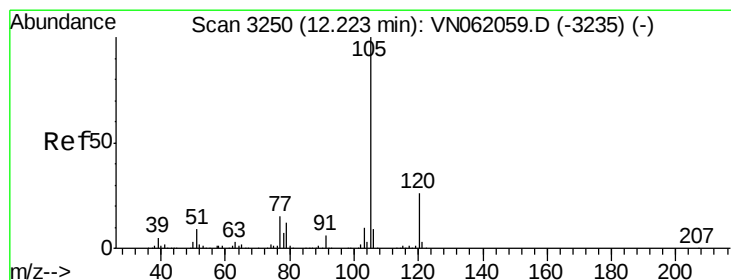
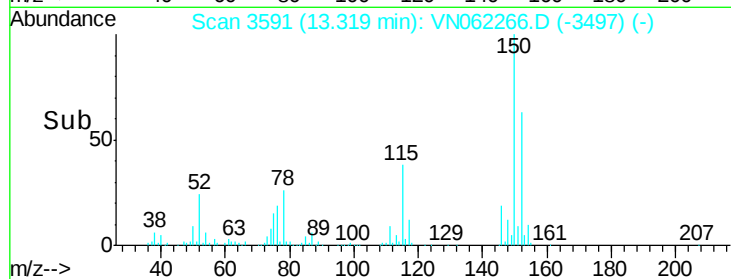
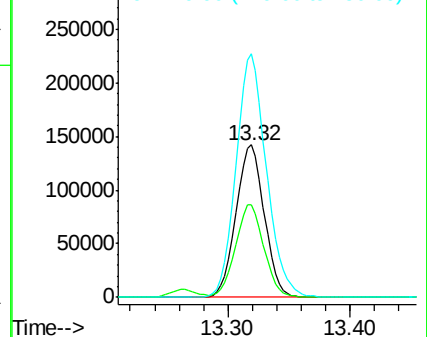
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion:152 Resp: 229453
Ion Ratio Lower Upper
152 100
115 60.3 29.5 88.5
150 171.0 0.0 351.4



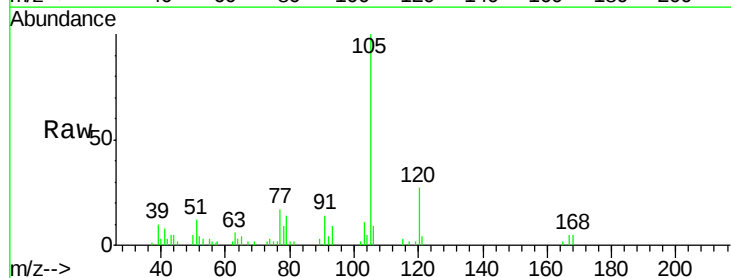
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



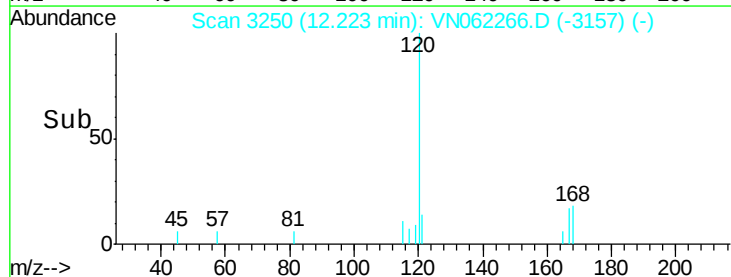
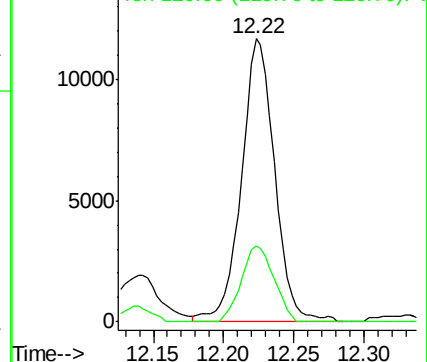
#73

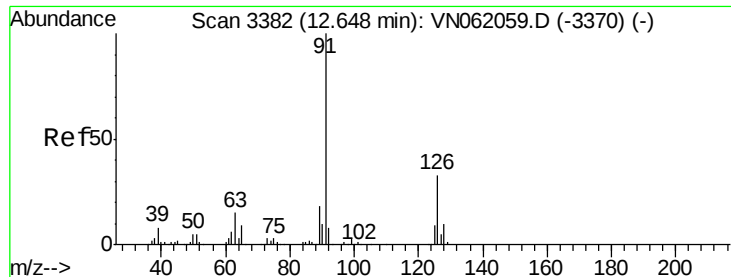
Isopropylbenzene
Concen: 1.087 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

Tgt Ion:105 Resp: 19309
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1236.185 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

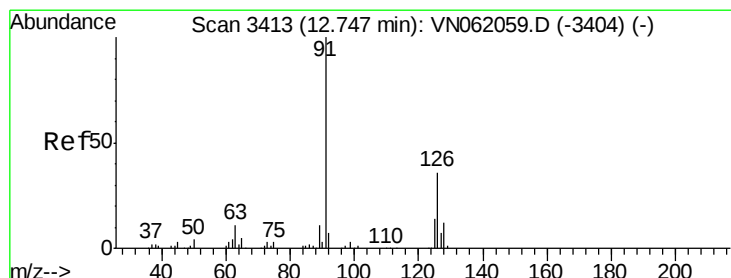
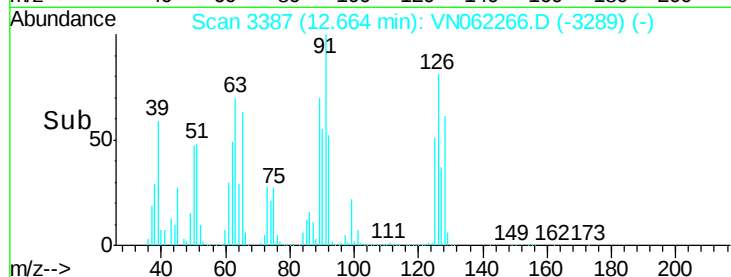
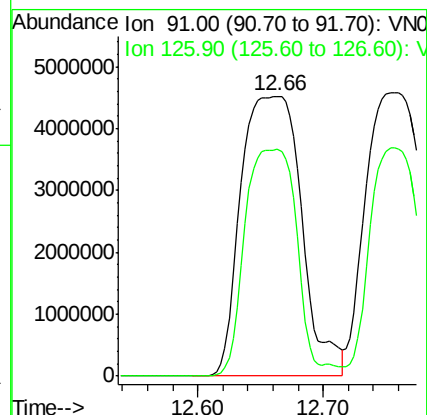
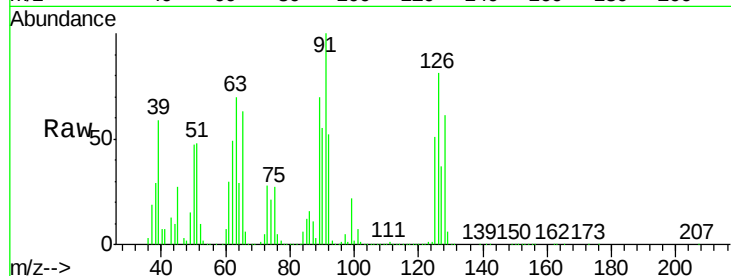
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Tot Ion: 91 Resp:15183176

Ion Ratio Lower Upper

91 100

126 68.2 16.9 50.7#



#82

4-Chlorotoluene

Concen: 1086.083 ug/l

RT: 12.76 min Scan# 3416

Delta R.T. 0.01 min

Lab File: VN062266.D

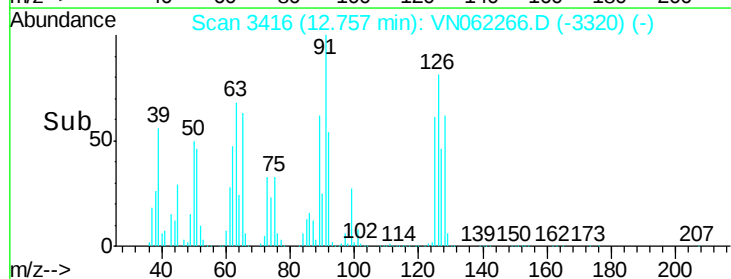
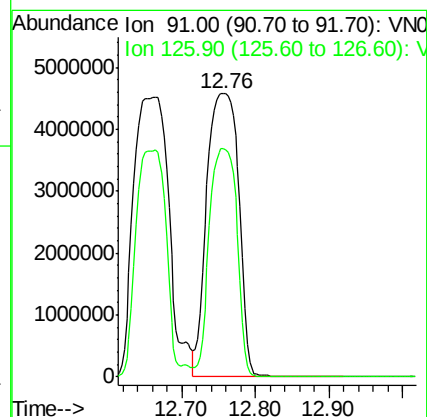
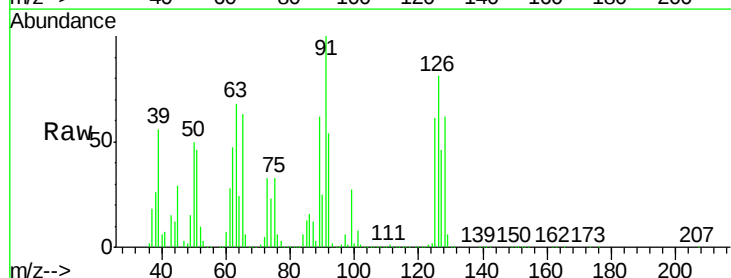
Acq: 1 Jul 2020 3:06

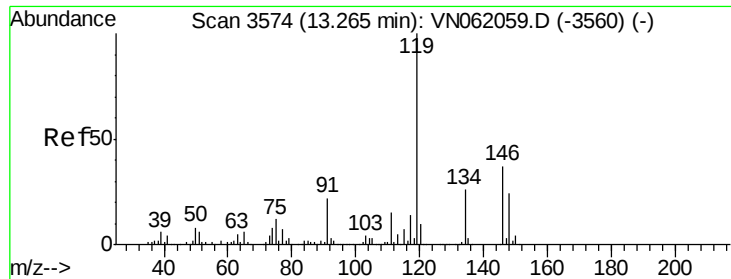
Tgt Ion: 91 Resp:13794494

Ion Ratio Lower Upper

91 100

126 69.7 16.7 50.1#

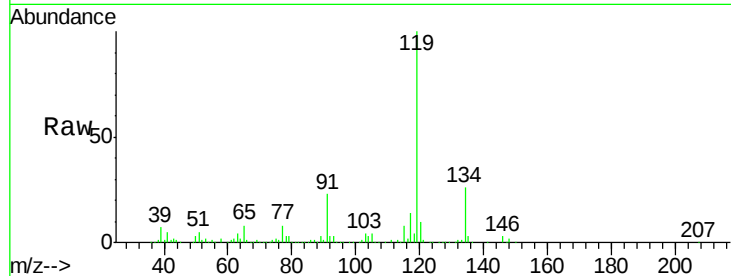




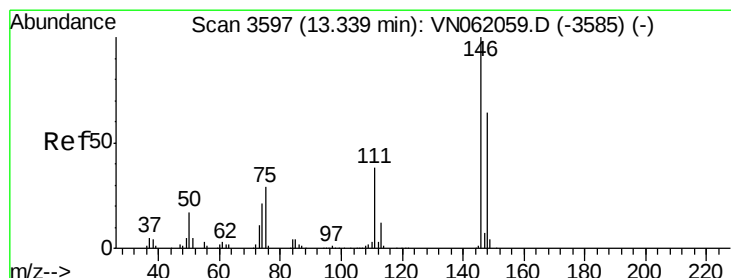
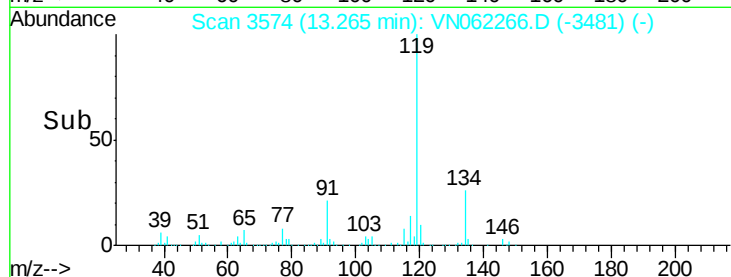
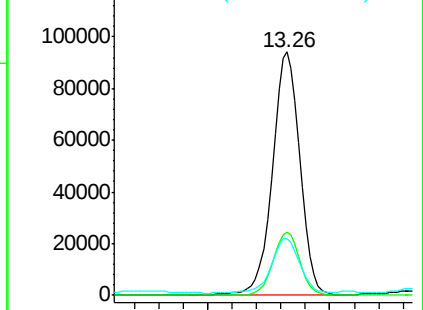
#86
 p-Isopropyltoluene
 Concen: 10.480 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062266.D
 Acq: 1 Jul 2020 3:06

Instrument :
 MSVOA_N
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion:119 Resp: 149504
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 39.0
 91 22.3 11.3 33.8

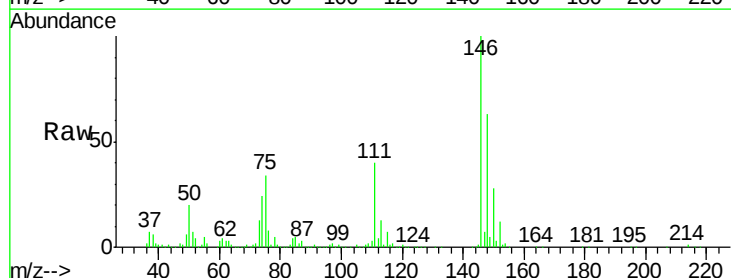


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

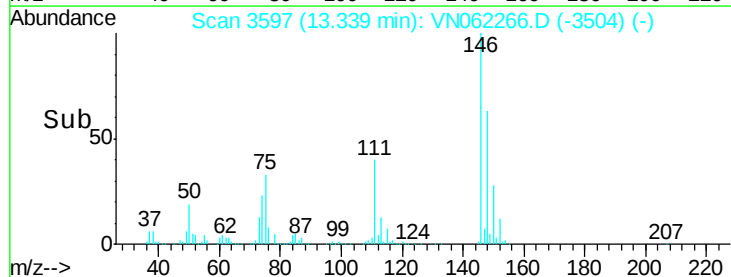
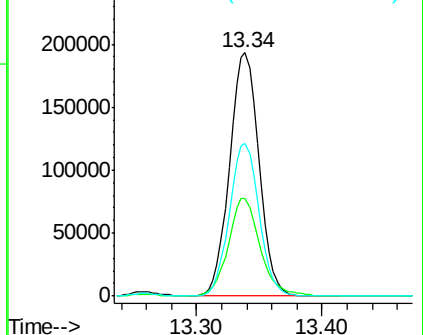


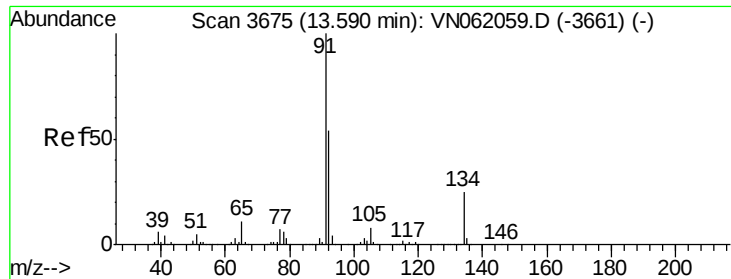
#88
 1,4-Dichlorobenzene
 Concen: 39.455 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062266.D
 Acq: 1 Jul 2020 3:06

Tgt Ion:146 Resp: 314926
 Ion Ratio Lower Upper
 146 100
 111 43.4 19.9 59.6
 148 63.3 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

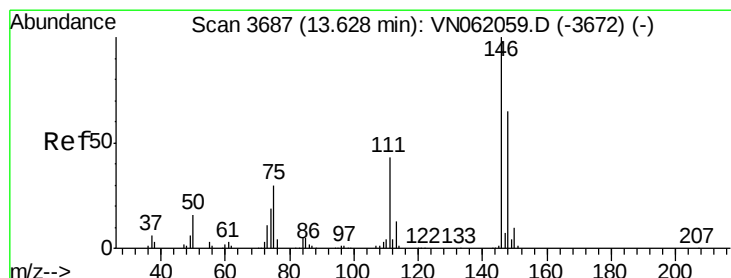
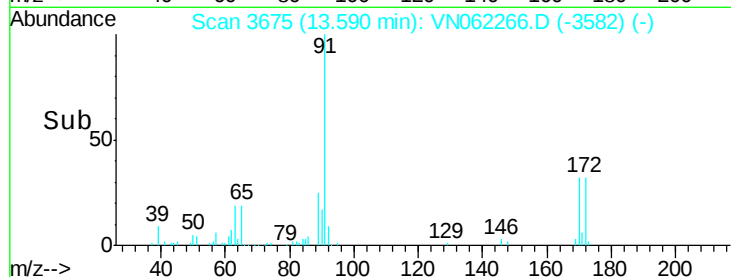
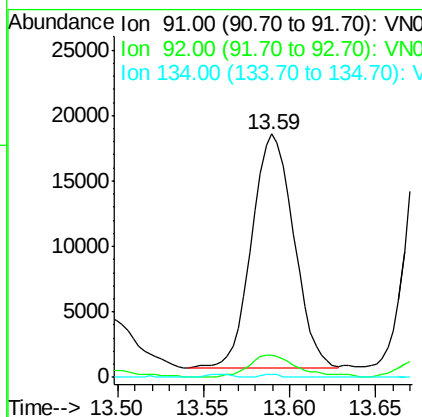
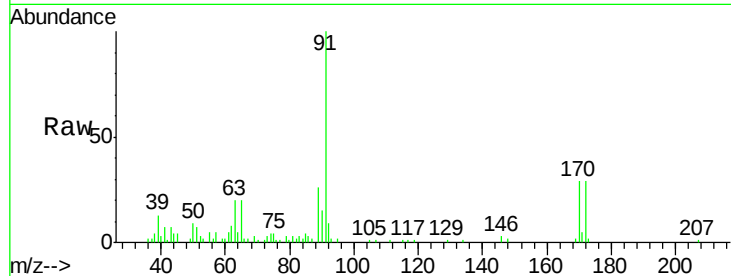




#89
n-Butylbenzene
Concen: 2.546 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

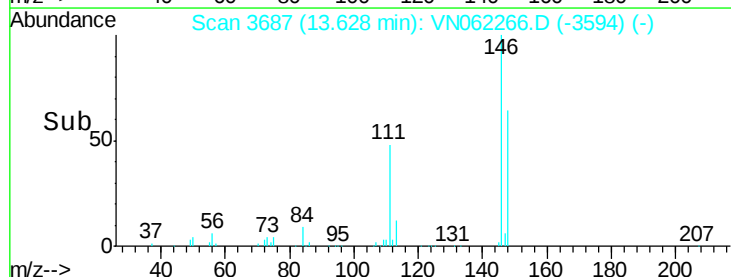
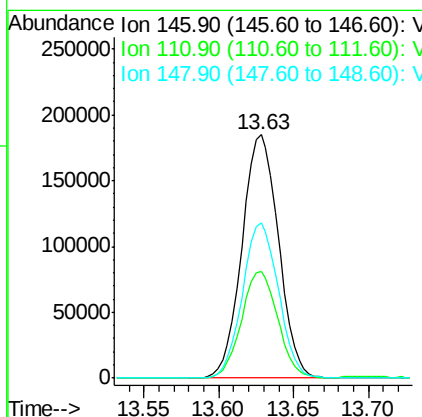
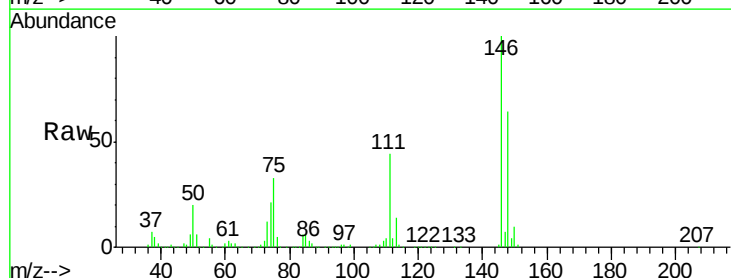
Instrument :
MSVOA_N
ClientSampleId :
EPEC-POLYMERS-05

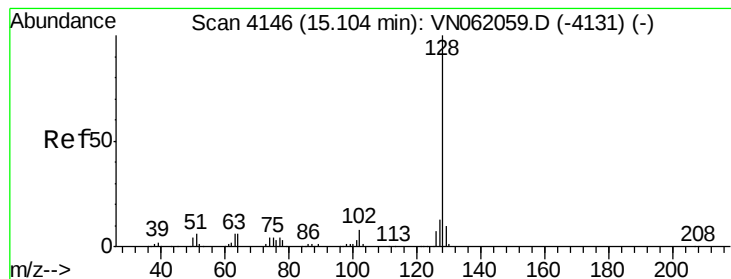
Tot Ion: 91 Resp: 30199
Ion Ratio Lower Upper
91 100
92 10.7 26.6 79.7#
134 0.5 12.3 36.9#



#91
1,2-Dichlorobenzene
Concen: 41.932 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VN062266.D
Acq: 1 Jul 2020 3:06

Tgt Ion: 146 Resp: 314852
Ion Ratio Lower Upper
146 100
111 43.5 21.2 63.6
148 63.1 31.9 95.5





#95

Naphthalene

Concen: 36.629 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062266.D

Acq: 1 Jul 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

EPEC-POLYMERS-05

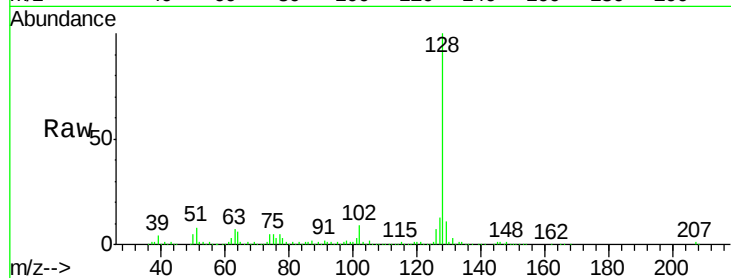
Tot Ion:128 Resp: 387915

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.2 8.6 13.0



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

