

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003015.D
 Acq On : 29 Jun 2020 18:42
 Operator : SY/MD
 Sample : L3148-03
 Misc : 6.68G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-03

Quant Time: Jun 30 05:59:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	362181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	579445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	513821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	215851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	197466	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	
35) Dibromofluoromethane	7.72	113	188795	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	10.18	98	693777	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.48	95	216957	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

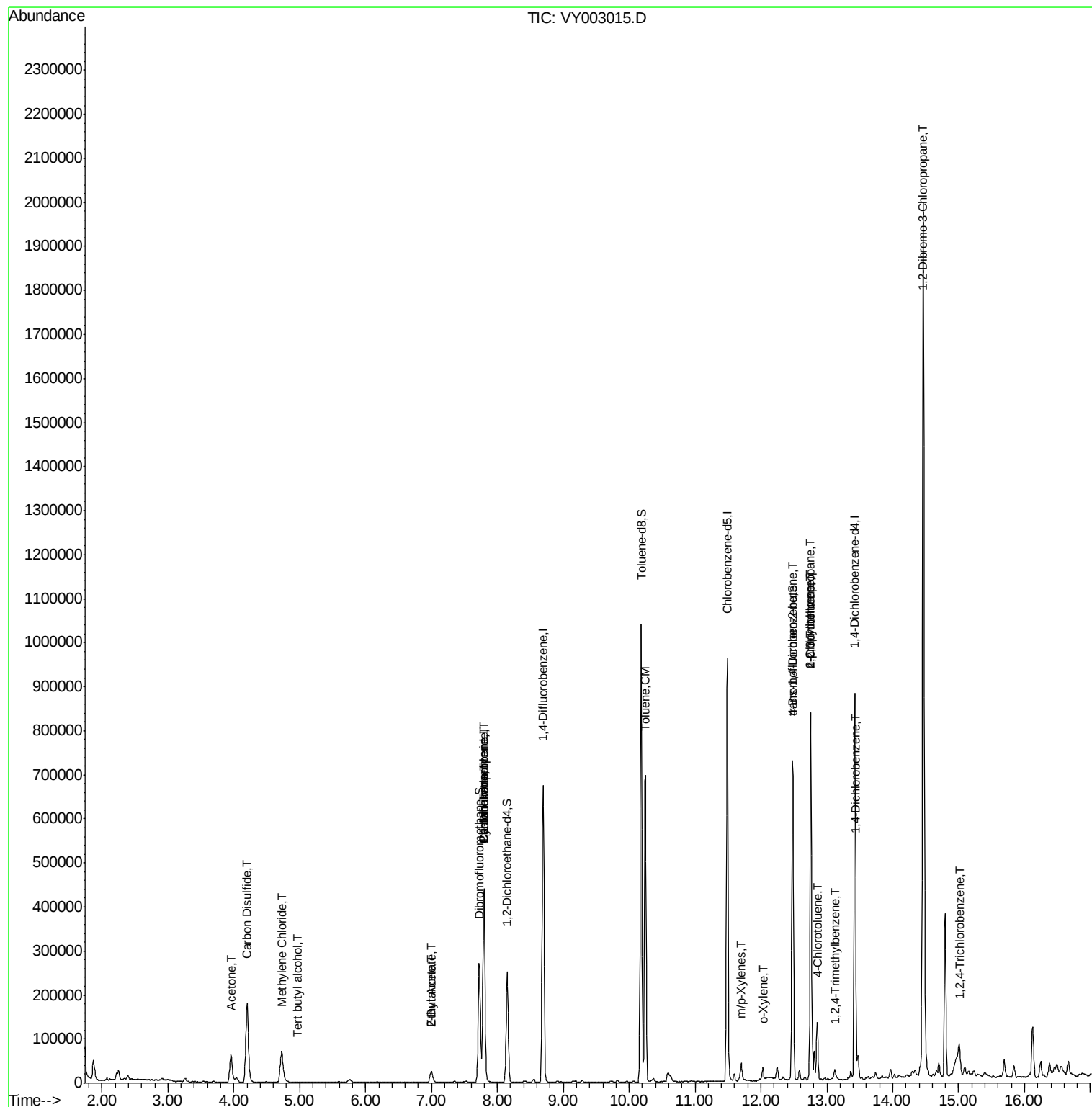
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	589	1.607	ug/l #	73
16) Acetone	3.96	43	106816	125.905	ug/l	99
17) Carbon Disulfide	4.20	76	358187	35.684	ug/l	96
20) Methylene Chloride	4.72	84	51414	7.681	ug/l	90
25) 2-Butanone	7.00	43	43356	32.171	ug/l	98
31) Cyclohexane	7.80	56	7719	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	25797	4.622	ug/l #	50
37) Ethyl Acetate	7.00	43	43356	12.919	ug/l #	71
38) Carbon Tetrachloride	7.80	117	33597	5.785	ug/l #	16
52) Toluene	10.25	92	291633	30.318	ug/l	100
68) m/p-Xylenes	11.70	106	11478	1.664	ug/l	100
69) o-Xylene	12.03	106	6942	1.068	ug/l	93
76) 1,2,3-Trichloropropane	12.75	75	12729	5.959	ug/l #	100
78) n-propylbenzene	12.75	91	450549	26.520	ug/l #	53
79) 2-Chlorotoluene	12.75	91	450549	47.511	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	112135	102.126	ug/l #	12
82) 4-Chlorotoluene	12.86	91	71064	7.198	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	12583	1.053	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	19857	2.978	ug/l	82
92) 1,2-Dibromo-3-Chloropropan	14.46	75	42834	84.877	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.00	180	9224	2.046	ug/l	95

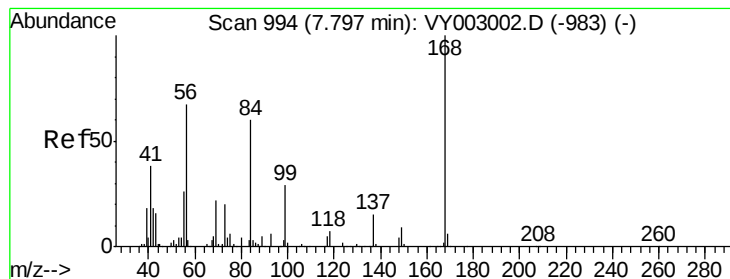
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

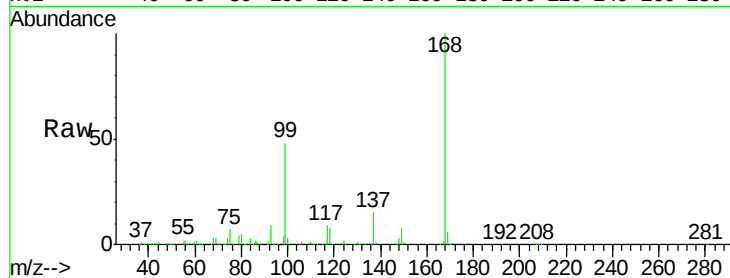
EPEC-POLYMERS-03

Tot Ion:168 Resp: 362181

Ion Ratio Lower Upper

168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

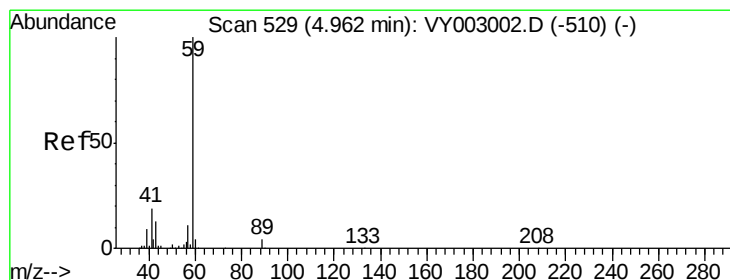
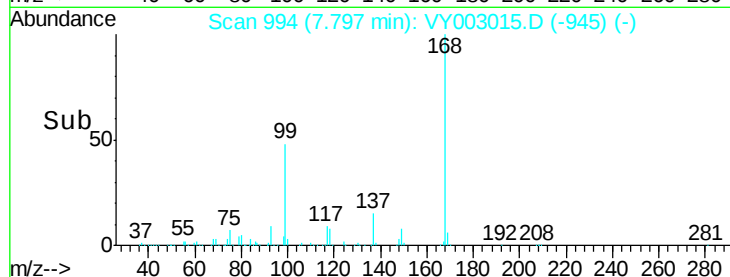
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.607 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003015.D

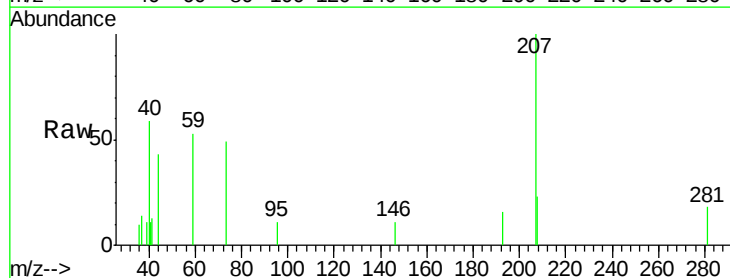
Acq: 29 Jun 2020 18:42

Tgt Ion: 59 Resp: 589

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.97

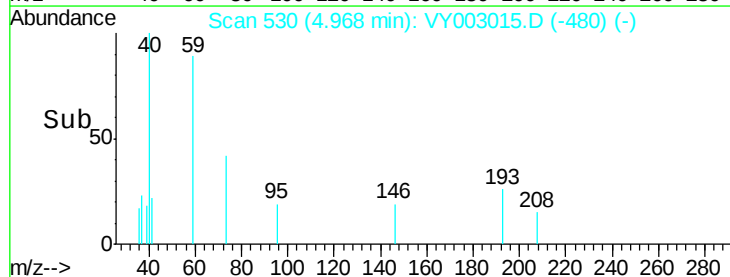
300

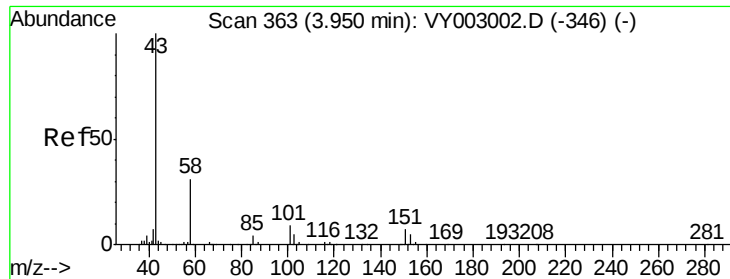
200

100

0

Time-->





#16

Acetone

Concen: 125.905 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

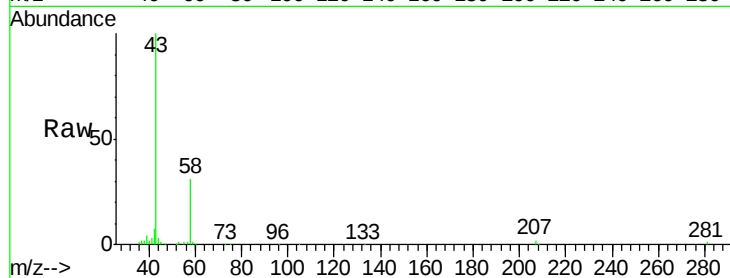
EPEC-POLYMERS-03

Tot Ion: 43 Resp: 106816

Ion Ratio Lower Upper

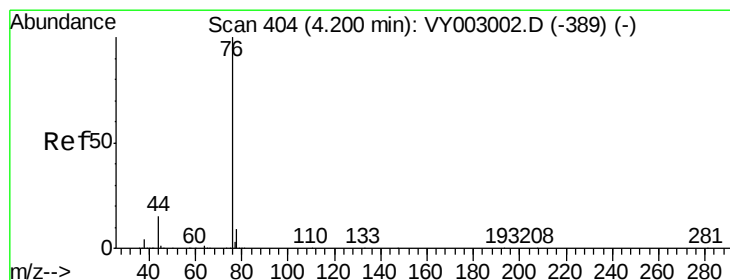
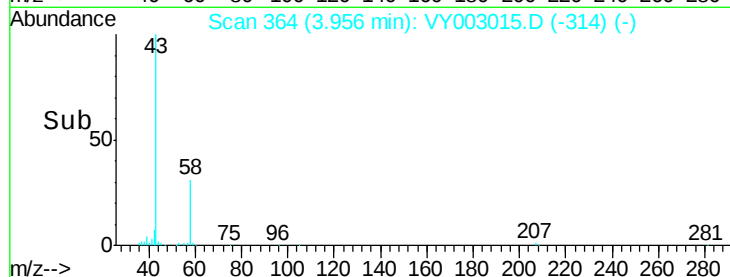
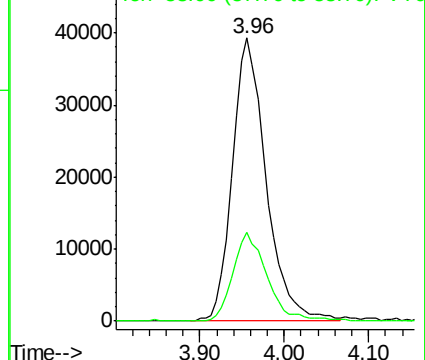
43 100

58 31.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 35.684 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003015.D

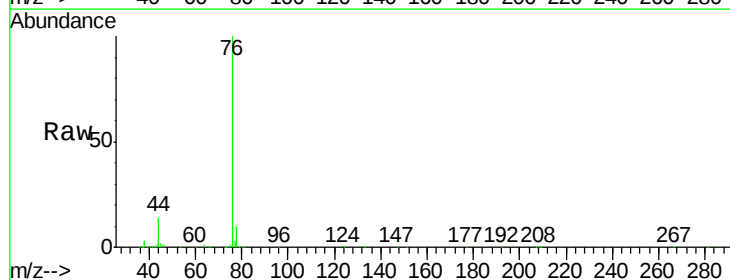
Acq: 29 Jun 2020 18:42

Tgt Ion: 76 Resp: 358187

Ion Ratio Lower Upper

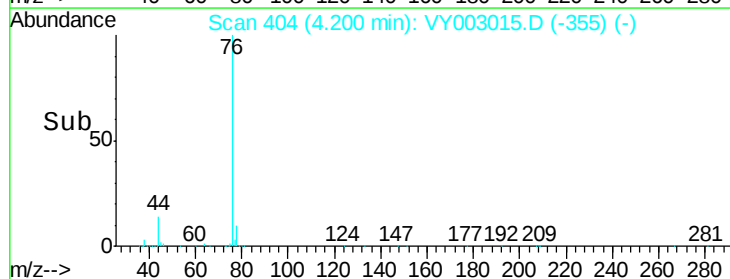
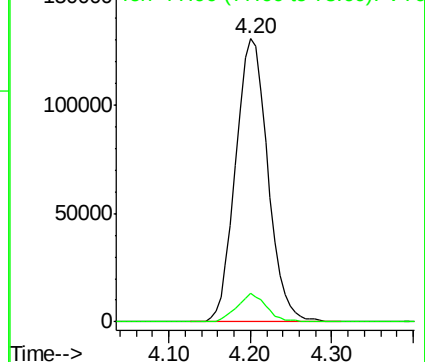
76 100

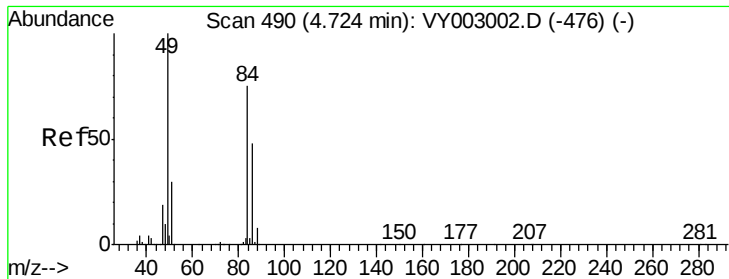
78 10.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0





#20

Methylene Chloride

Concen: 7.681 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-03

Tot Ion: 84 Resp: 51414

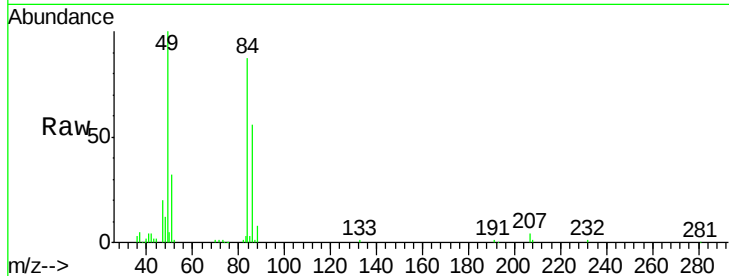
Ion Ratio Lower Upper

84 100

49 114.9 106.8 160.2

51 36.9 32.0 48.0

86 64.7 51.4 77.2

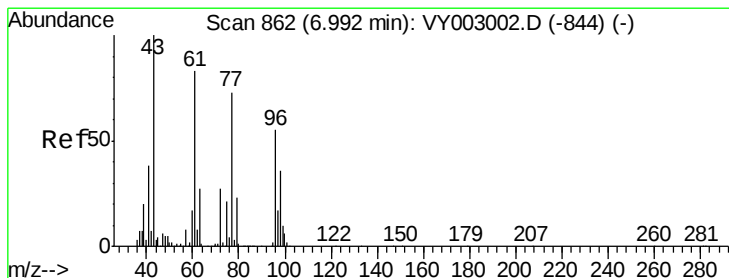
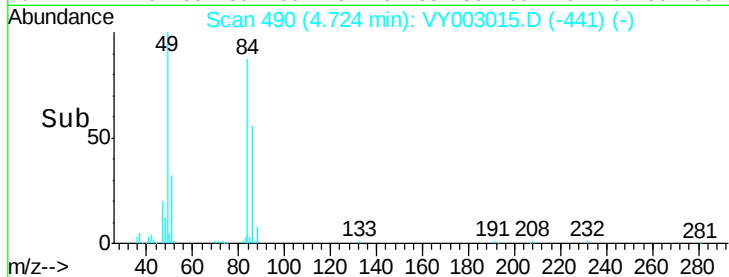
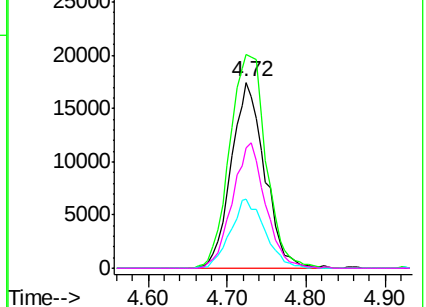


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25

2-Butanone

Concen: 32.171 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003015.D

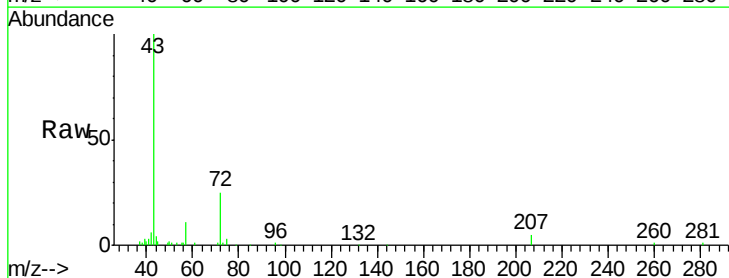
Acq: 29 Jun 2020 18:42

Tgt Ion: 43 Resp: 43356

Ion Ratio Lower Upper

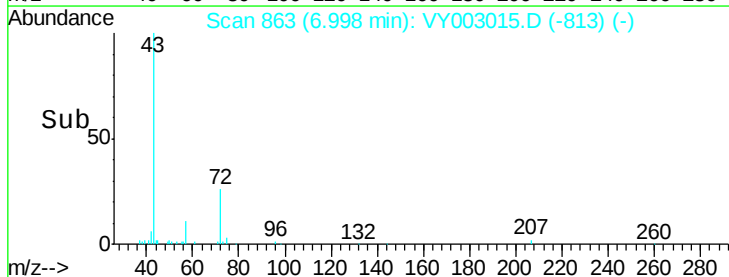
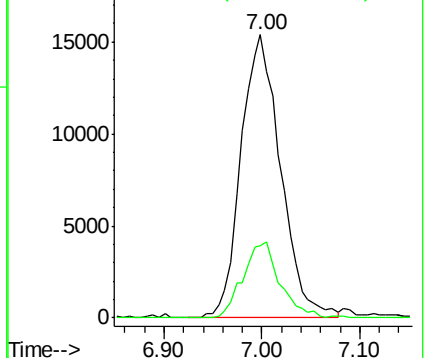
43 100

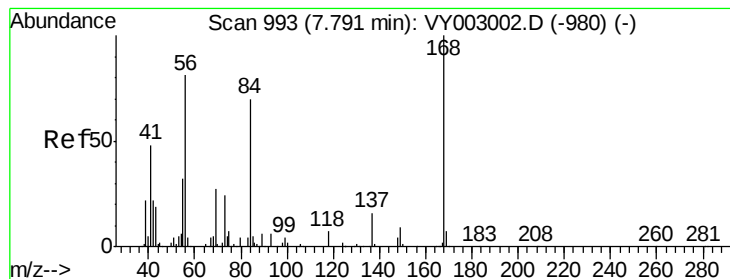
72 25.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

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MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-03

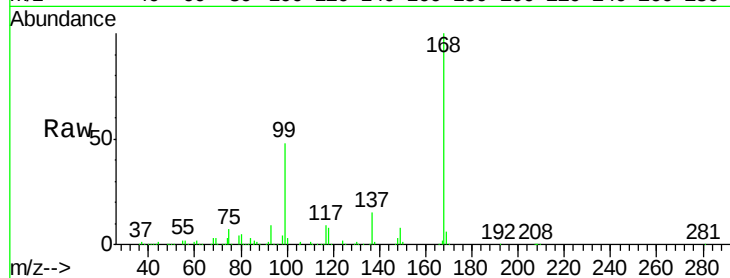
Tot Ion: 56 Resp: 7719

Ion Ratio Lower Upper

56 100

69 151.8 27.0 40.4#

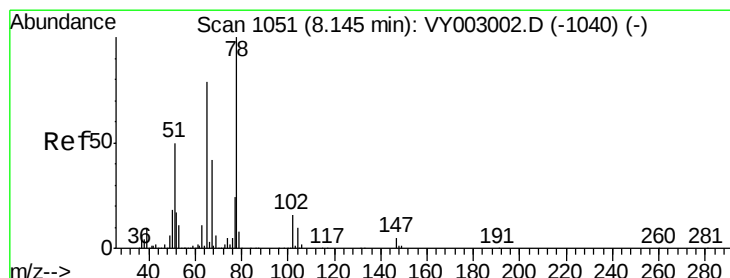
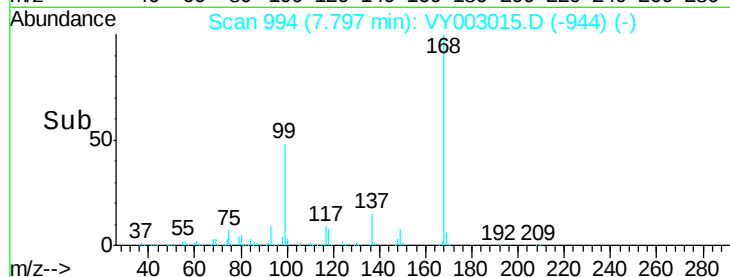
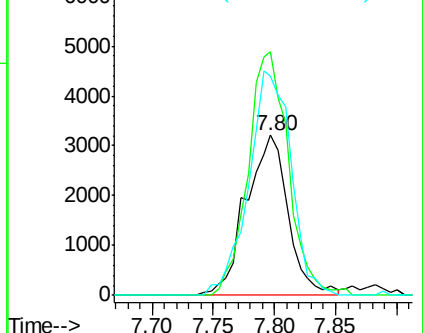
84 137.0 68.1 102.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 54.895 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003015.D

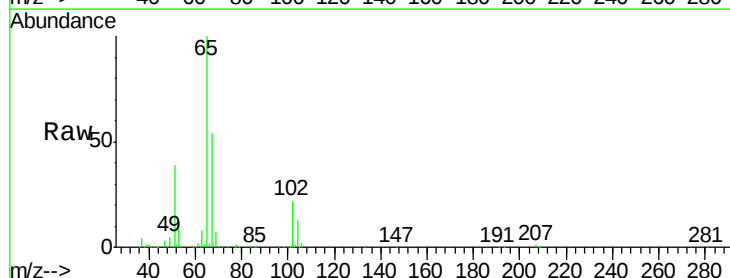
Acq: 29 Jun 2020 18:42

Tgt Ion: 65 Resp: 197466

Ion Ratio Lower Upper

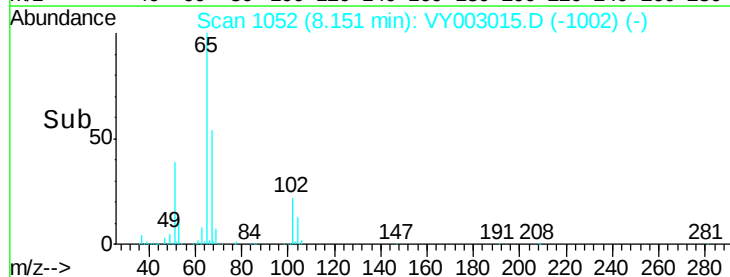
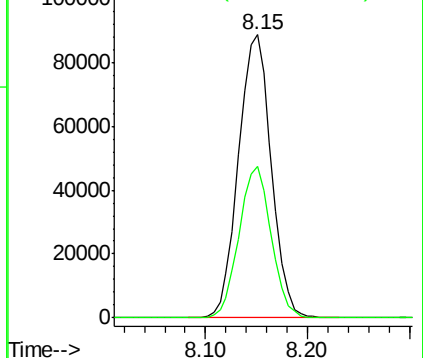
65 100

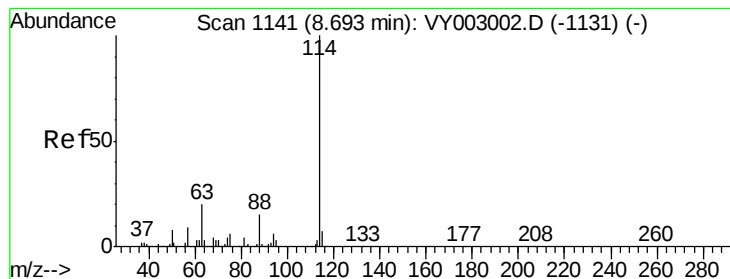
67 52.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

Instrument :

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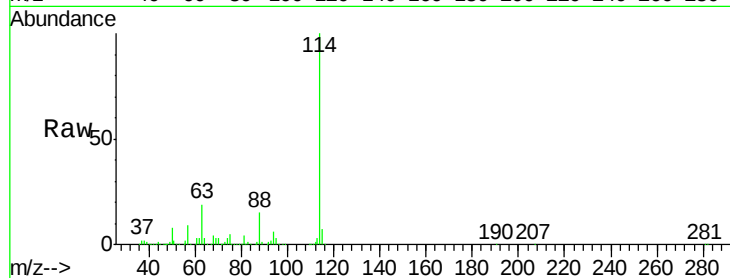
Tot Ion:114 Resp: 579445

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

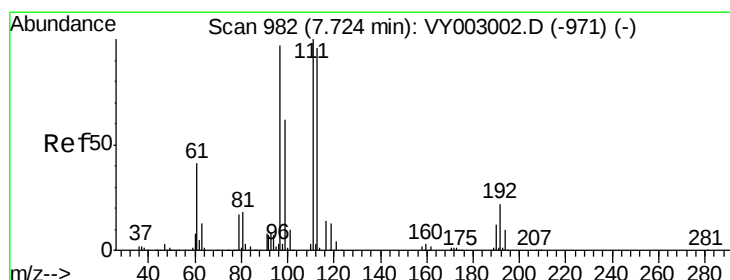
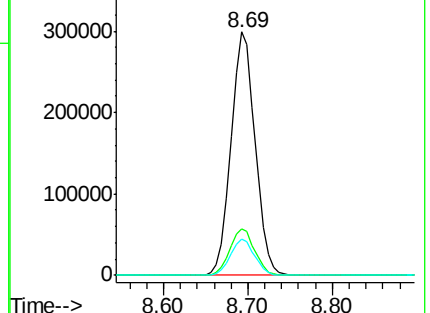
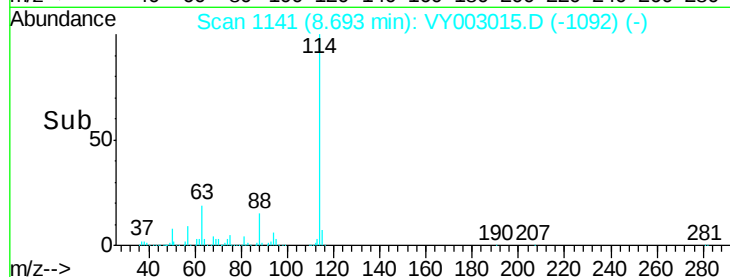
88 14.9 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 52.230 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

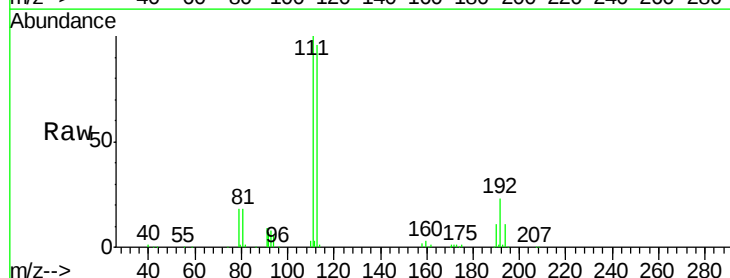
Tgt Ion:113 Resp: 188795

Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

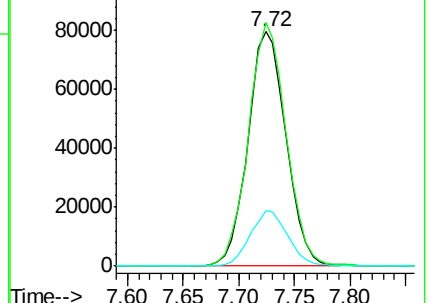
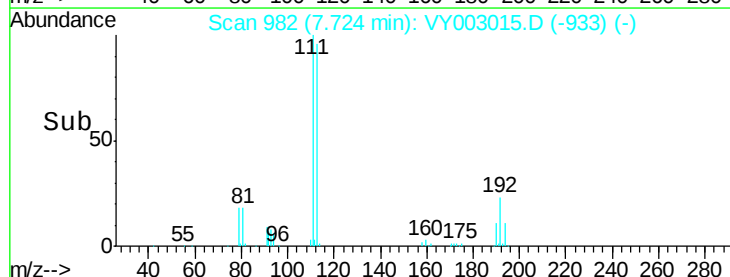
192 23.6 18.1 27.1

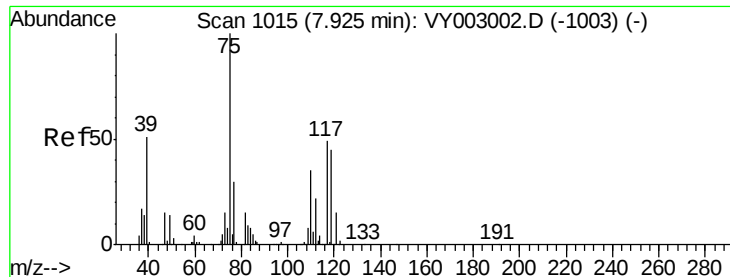


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.622 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

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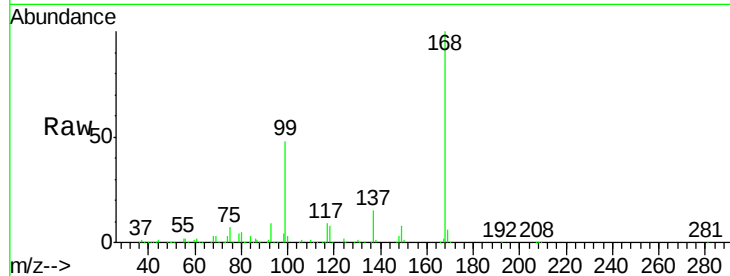
Tot Ion: 75 Resp: 25797

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.2#

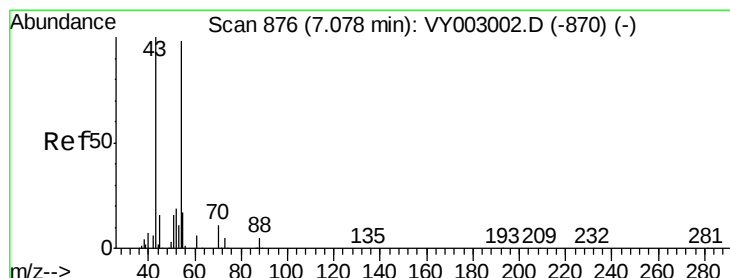
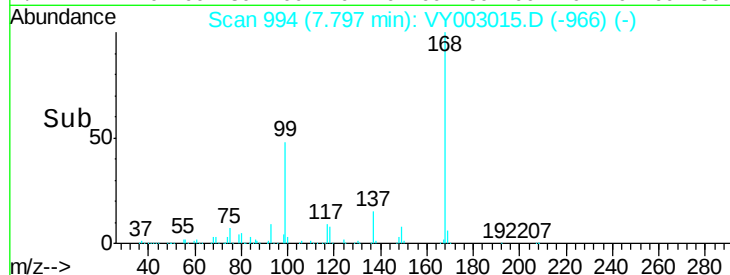
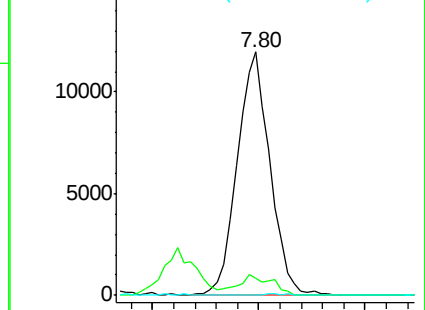
77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 12.919 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.08 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

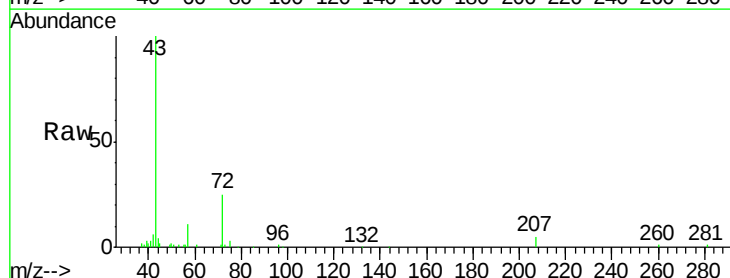
Tgt Ion: 43 Resp: 43356

Ion Ratio Lower Upper

43 100

61 0.5 10.4 15.6#

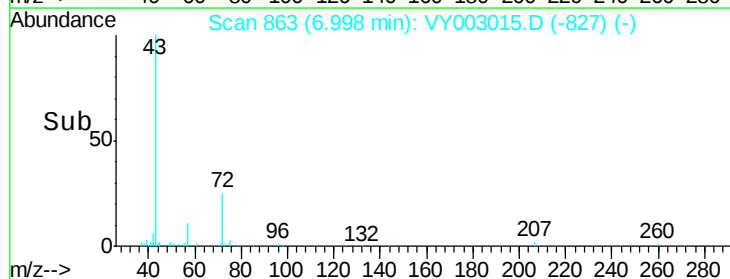
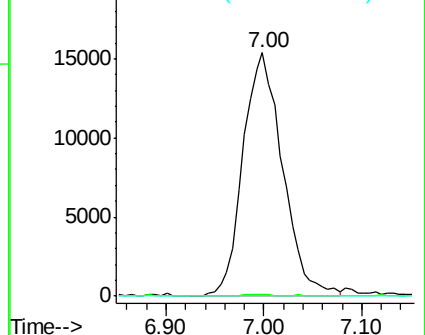
70 0.0 7.7 11.5#

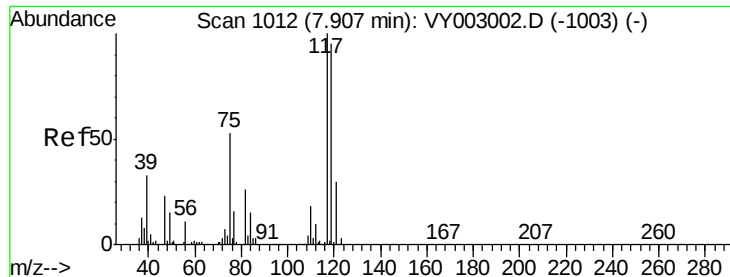


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 5.785 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003015.D

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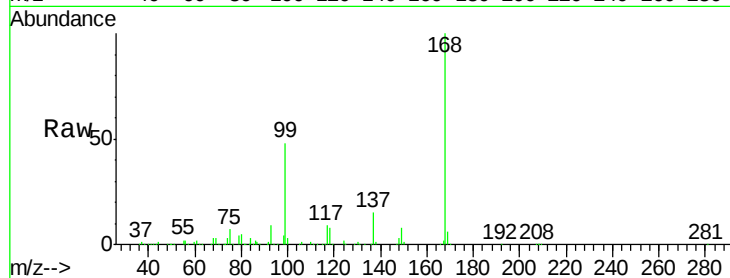
Tot Ion:117 Resp: 33597

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

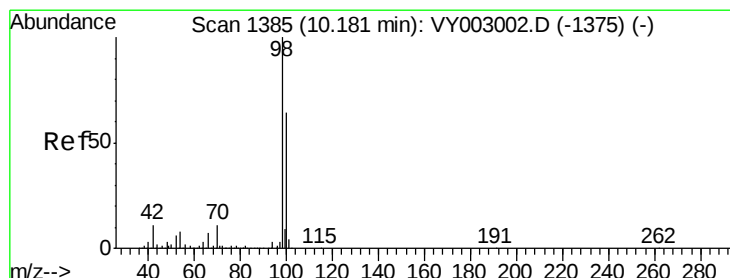
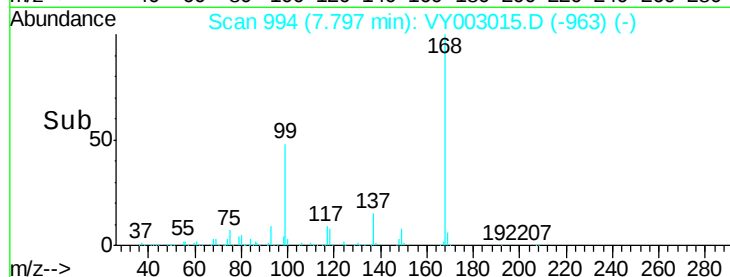
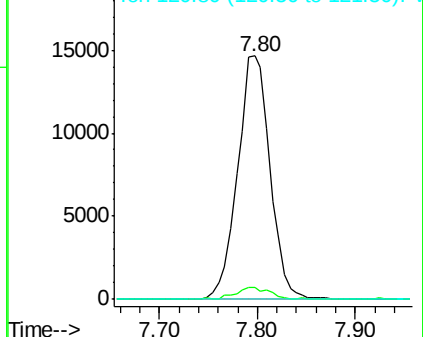
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.520 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003015.D

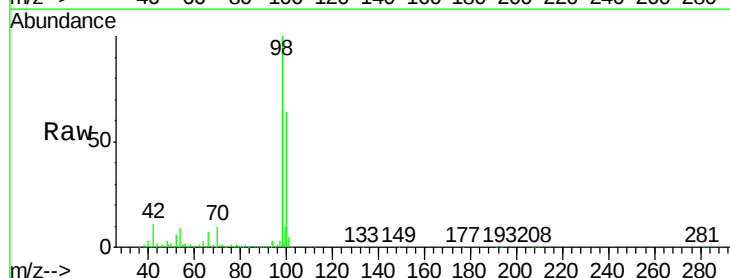
Acq: 29 Jun 2020 18:42

Tgt Ion: 98 Resp: 693777

Ion Ratio Lower Upper

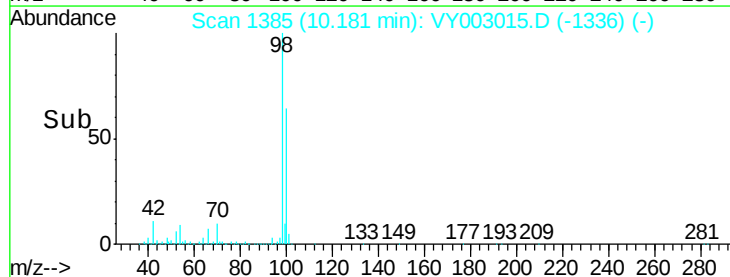
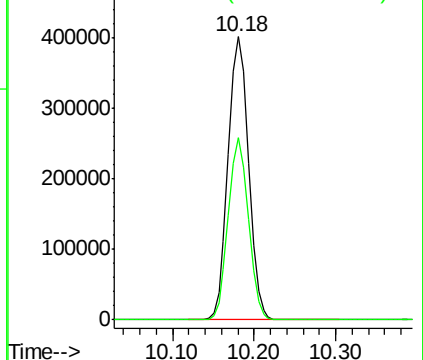
98 100

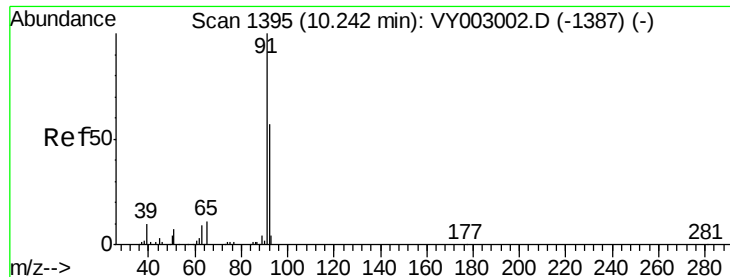
100 63.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 30.318 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

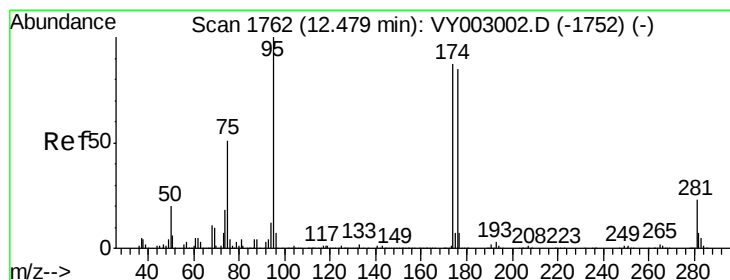
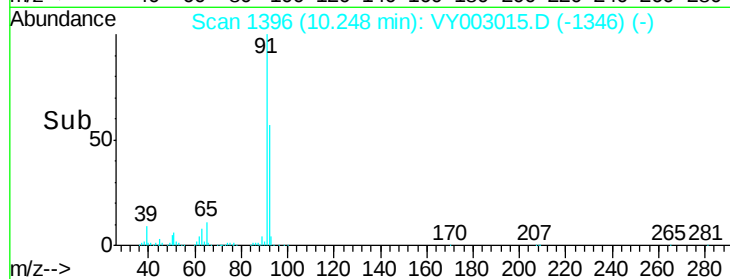
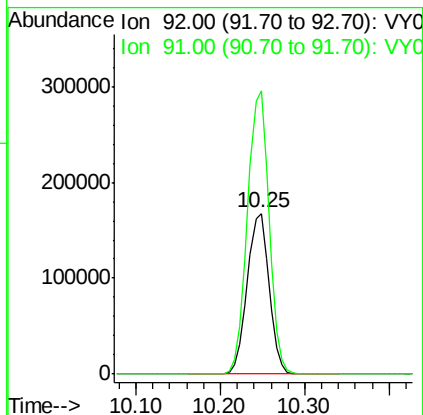
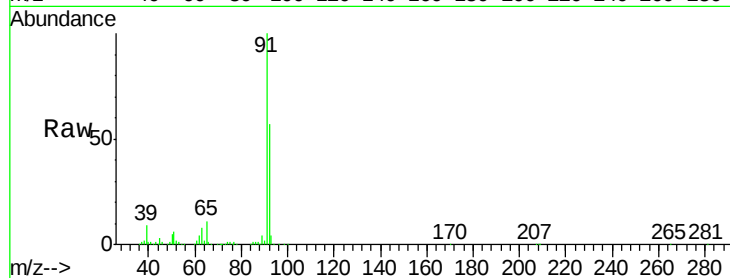
EPEC-POLYMERS-03

Tot Ion: 92 Resp: 291633

Ion Ratio Lower Upper

92 100

91 173.9 139.6 209.4



#62

4-Bromofluorobenzene

Concen: 45.770 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

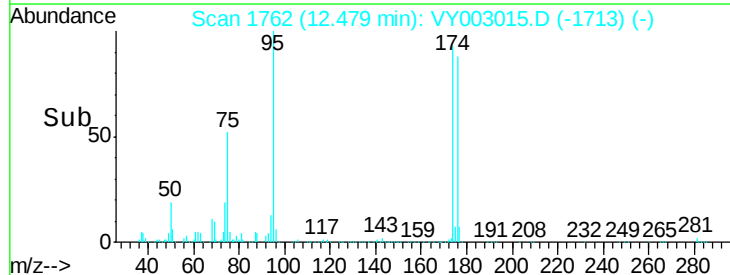
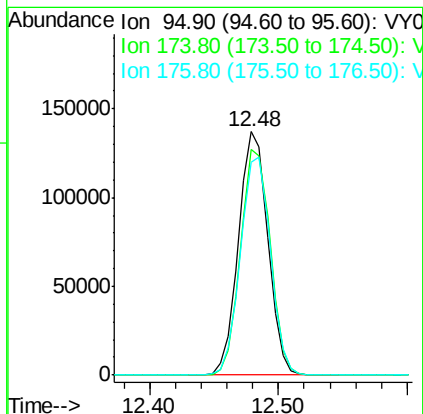
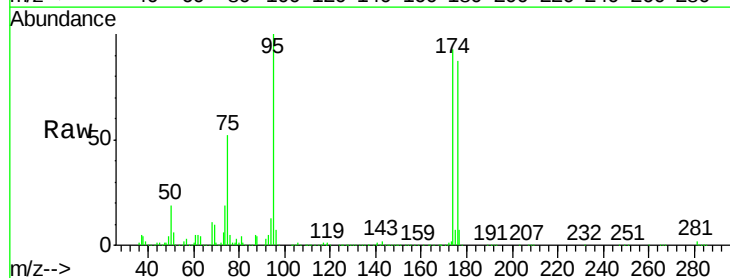
Tgt Ion: 95 Resp: 216957

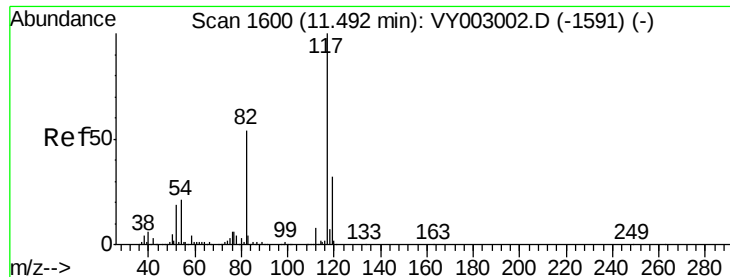
Ion Ratio Lower Upper

95 100

174 93.3 0.0 184.8

176 90.9 0.0 183.0

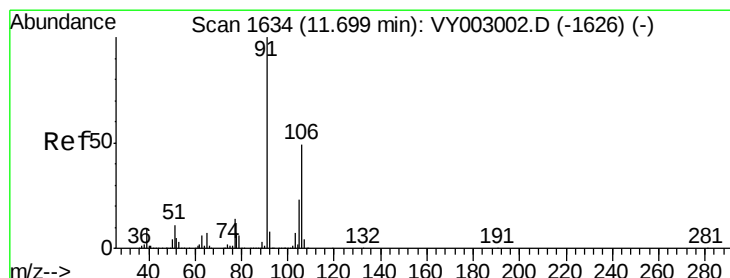
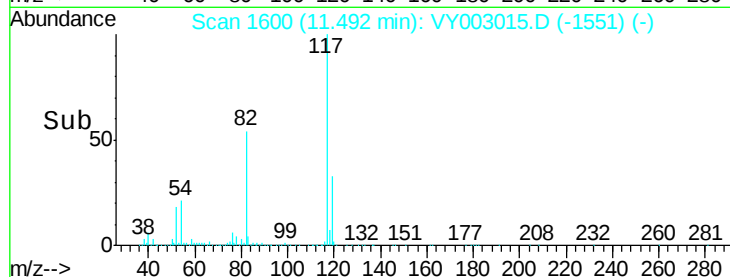
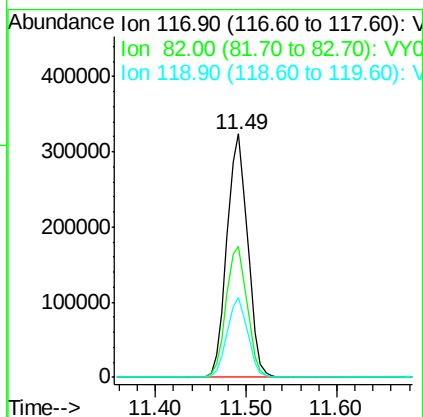
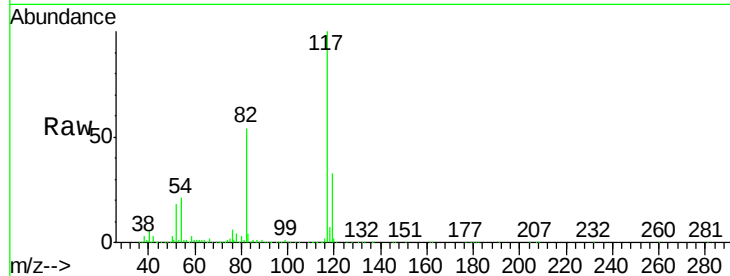




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003015.D
Acq: 29 Jun 2020 18:42

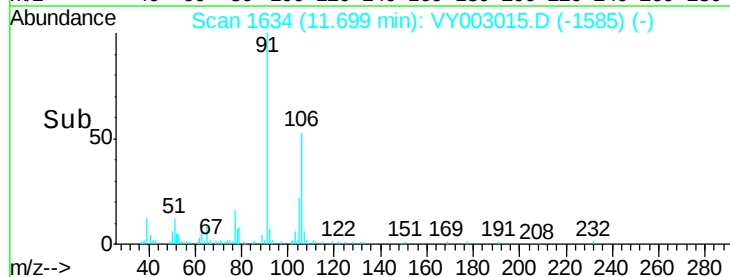
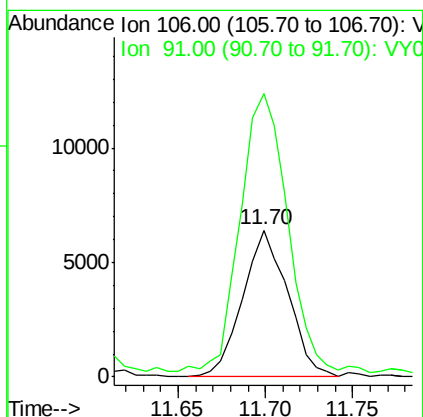
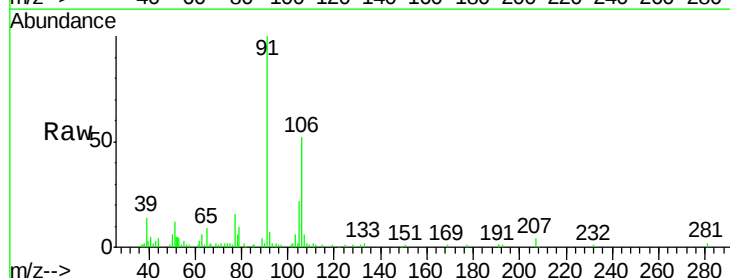
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-03

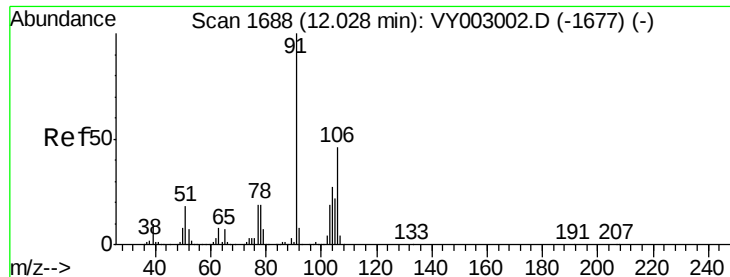
Tot Ion:117 Resp: 513821
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.6
119 32.6 25.8 38.8



#68
m/p-Xylenes
Concen: 1.664 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003015.D
Acq: 29 Jun 2020 18:42

Tgt Ion:106 Resp: 11478
Ion Ratio Lower Upper
106 100
91 203.2 161.9 242.9

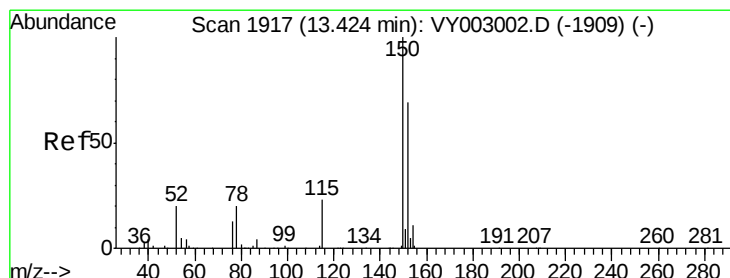
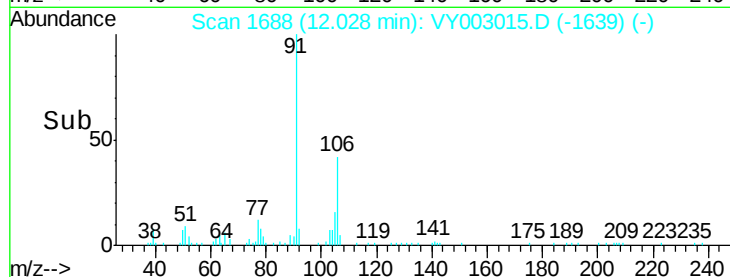
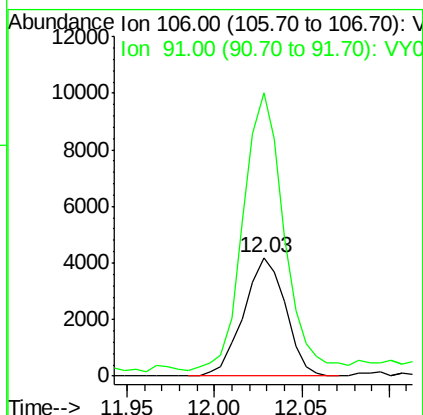
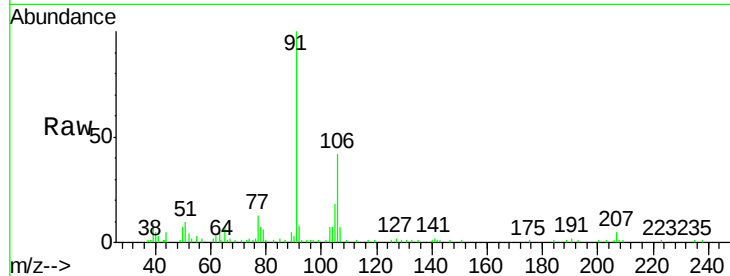




#69
o-Xylene
Concen: 1.068 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003015.D
Acq: 29 Jun 2020 18:42

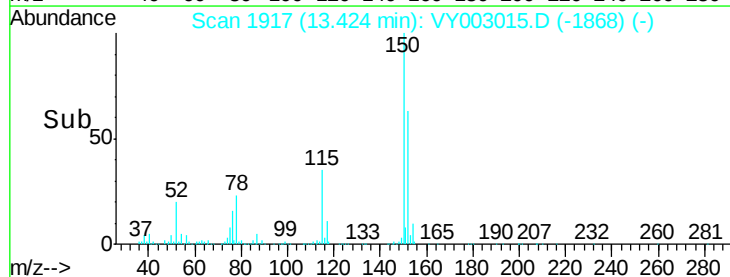
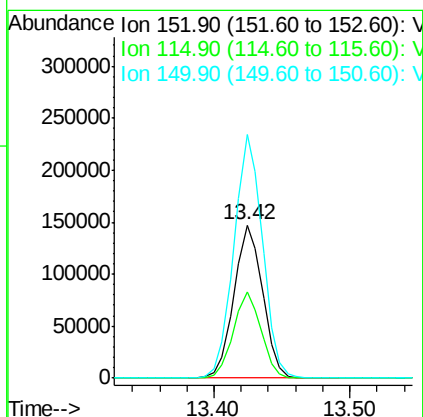
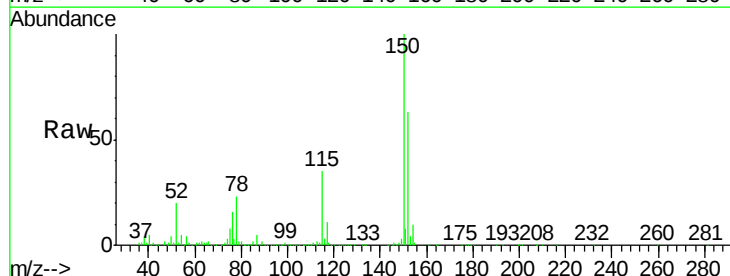
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-03

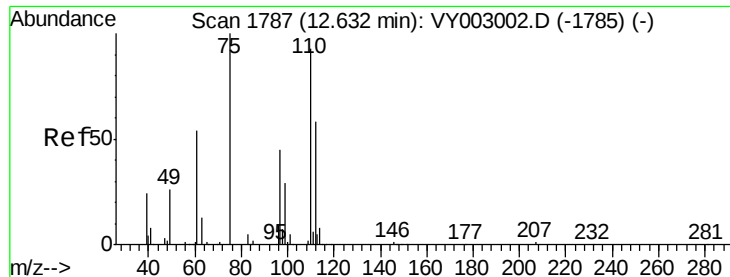
Tot Ion:106 Resp: 6942
Ion Ratio Lower Upper
106 100
91 227.8 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003015.D
Acq: 29 Jun 2020 18:42

Tgt Ion:152 Resp: 215851
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 158.4 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 5.959 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.12 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

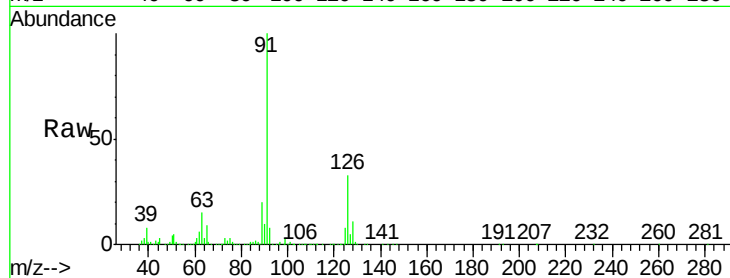
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Tot Ion: 75 Resp: 12729

Ion Ratio Lower Upper

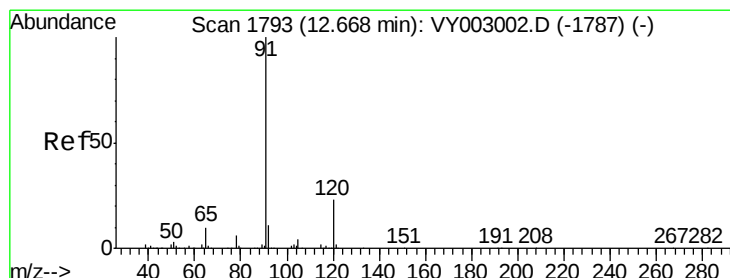
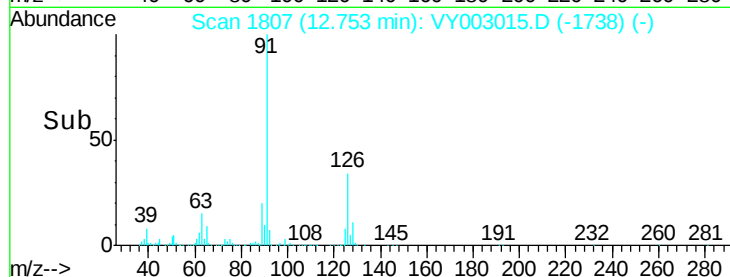
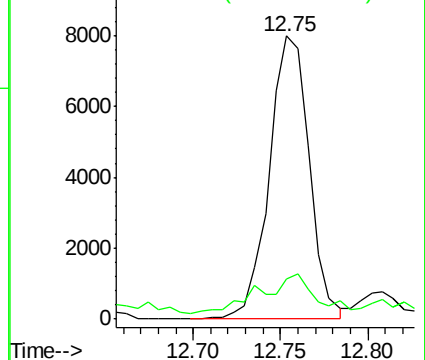
75 100

77 20.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#78

n-propylbenzene

Concen: 26.520 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.09 min

Lab File: VY003015.D

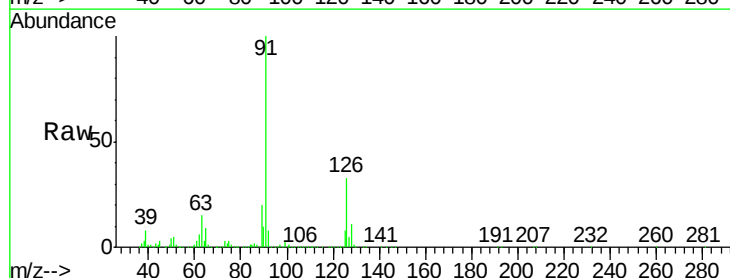
Acq: 29 Jun 2020 18:42

Tgt Ion: 91 Resp: 450549

Ion Ratio Lower Upper

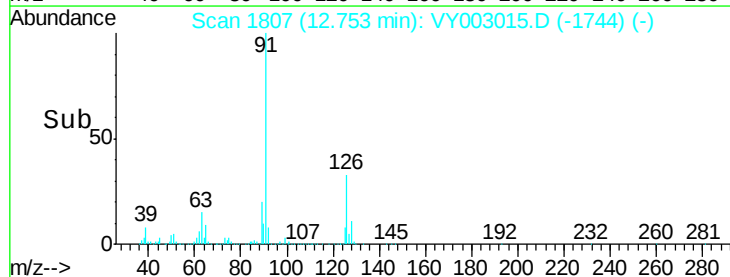
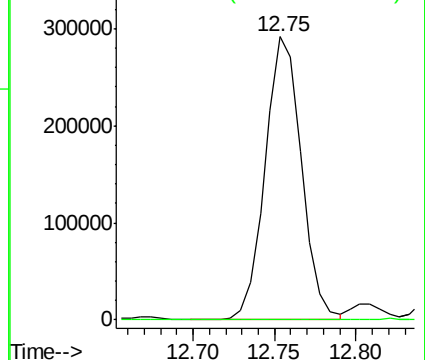
91 100

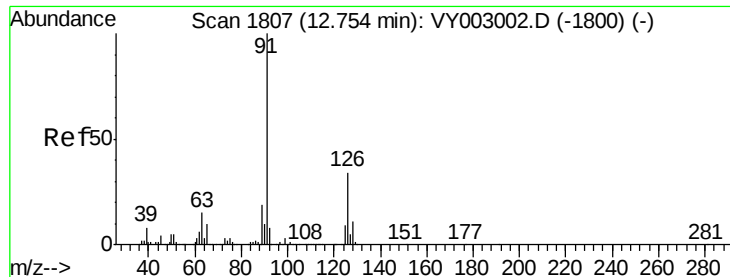
120 0.3 11.5 34.5#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

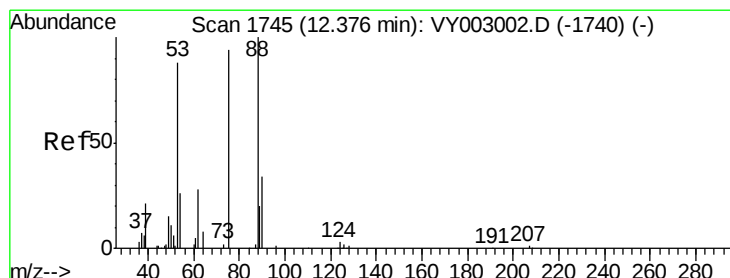
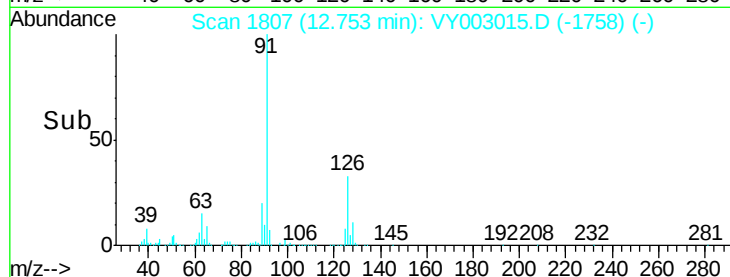
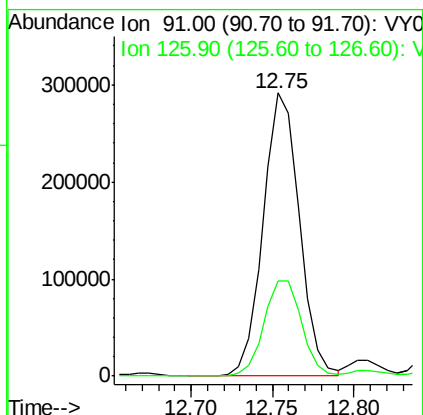
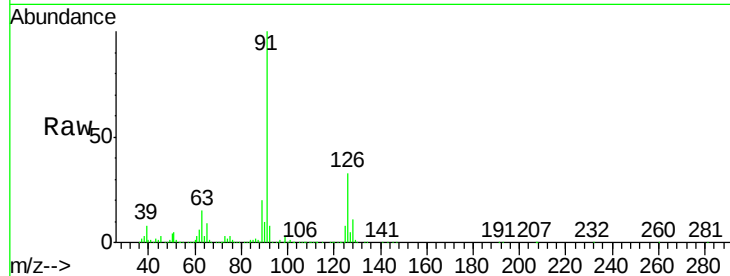




#79
2-Chlorotoluene
Concen: 47.511 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY003015.D
Acq: 29 Jun 2020 18:42

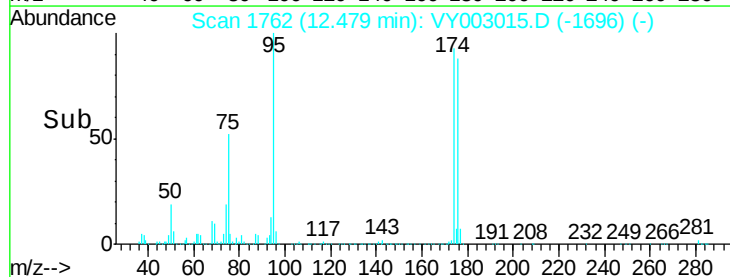
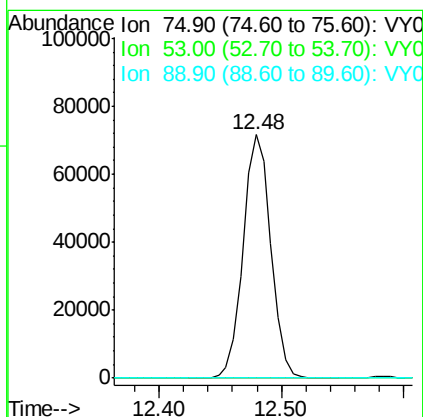
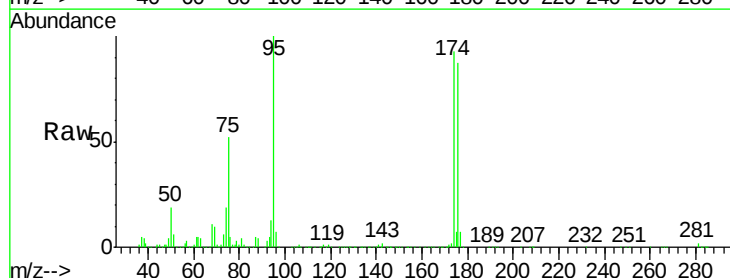
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-03

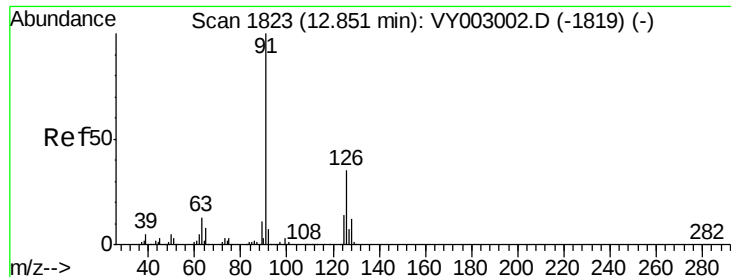
Tot Ion: 91 Resp: 450549
Ion Ratio Lower Upper
91 100
126 35.2 17.1 51.3



#81
trans-1,4-Dichloro-2-butene
Concen: 102.126 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003015.D
Acq: 29 Jun 2020 18:42

Tgt Ion: 75 Resp: 112135
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 0.0 37.5 56.3#





#82

4-Chlorotoluene

Concen: 7.198 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY003015.D

Acq: 29 Jun 2020 18:42

Instrument :

MSVOA_Y

ClientSampleId :

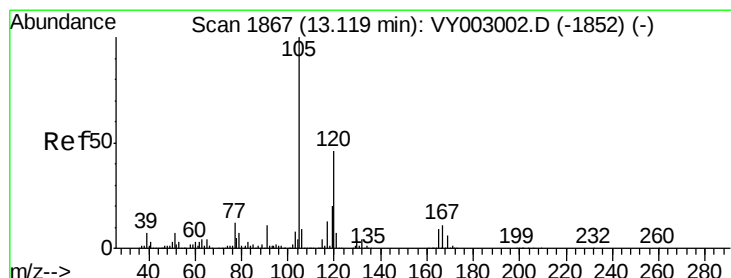
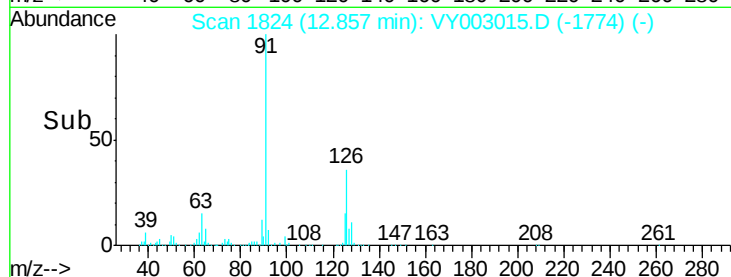
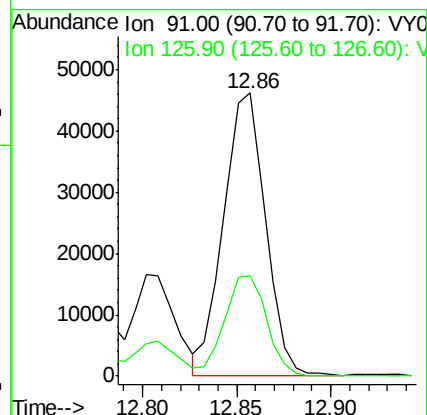
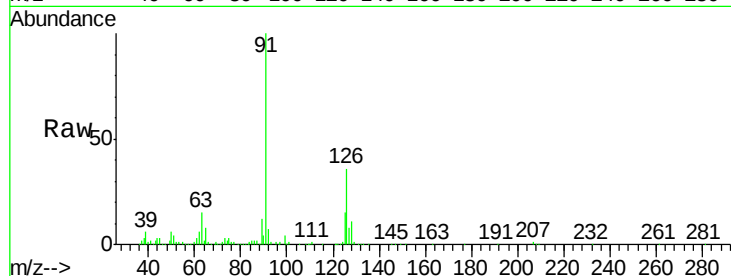
EPEC-POLYMERS-03

Tot Ion: 91 Resp: 71064

Ion Ratio Lower Upper

91 100

126 35.7 17.4 52.3



#84

1,2,4-Trimethylbenzene

Concen: 1.053 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003015.D

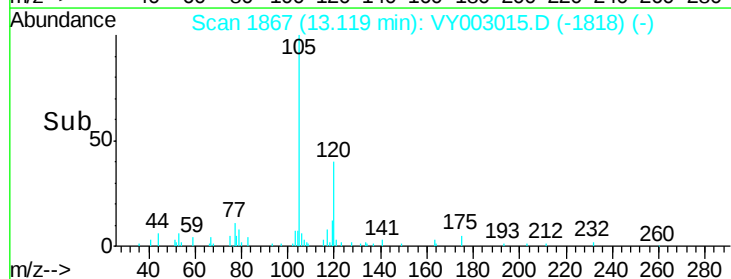
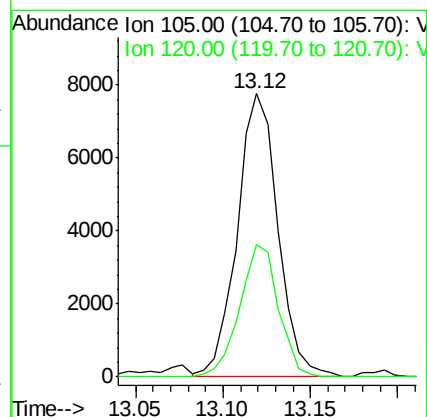
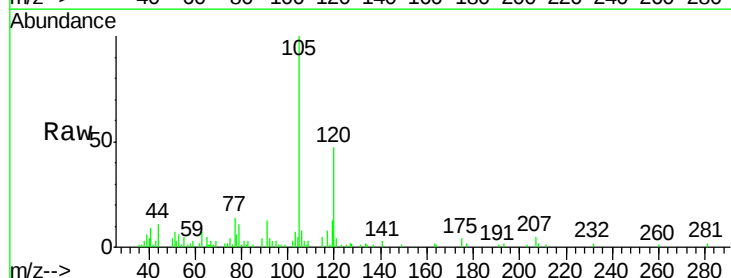
Acq: 29 Jun 2020 18:42

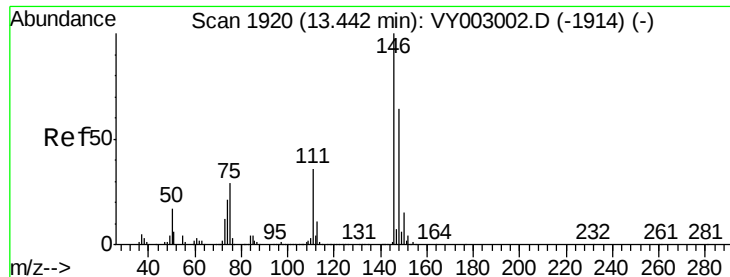
Tgt Ion: 105 Resp: 12583

Ion Ratio Lower Upper

105 100

120 44.3 22.6 67.8

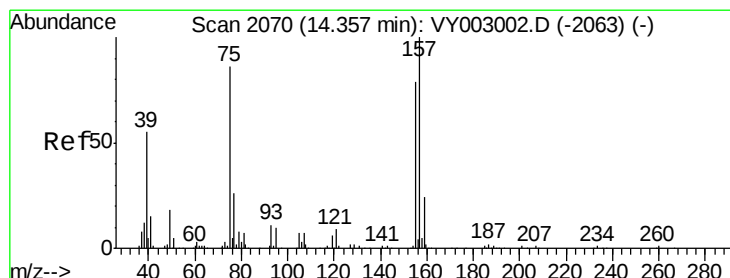
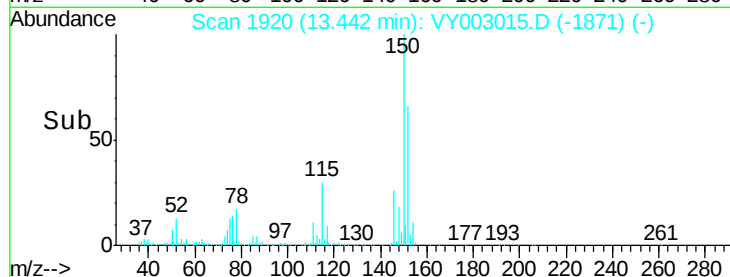
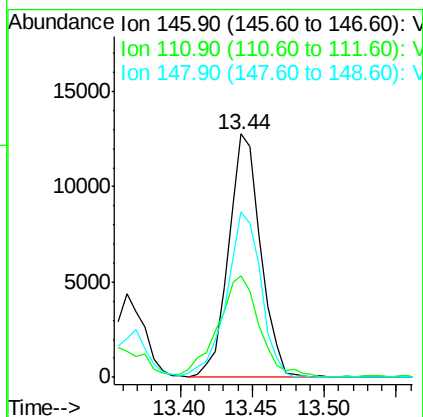
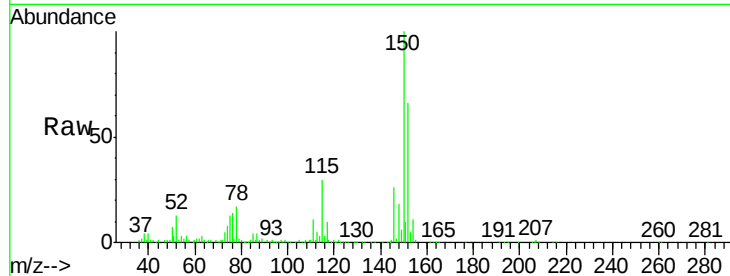




#88
 1,4-Dichlorobenzene
 Concen: 2.978 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003015.D
 Acq: 29 Jun 2020 18:42

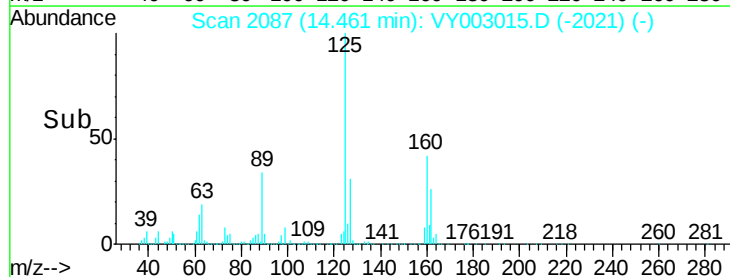
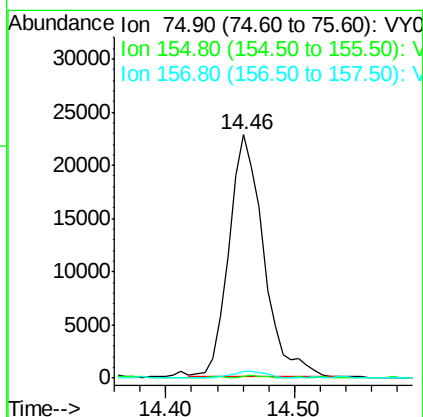
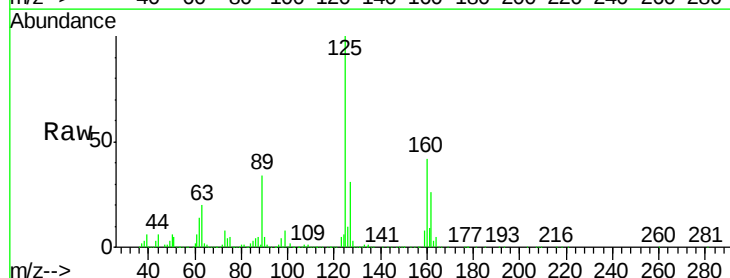
Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-03

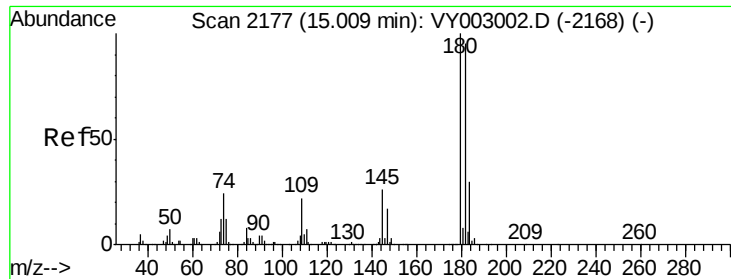
Tot Ion	Ratio	Lower	Upper
146	100		
111	54.6	18.4	55.4
148	73.0	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 84.877 ug/l
 RT: 14.46 min Scan# 2087
 Delta R.T. 0.10 min
 Lab File: VY003015.D
 Acq: 29 Jun 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.6	46.5	139.3#
157	3.1	59.2	177.5#

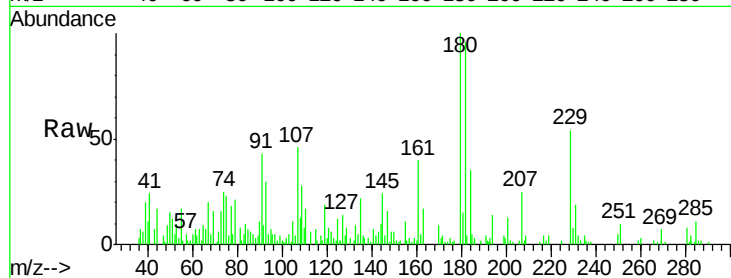




#93
 1,2,4-Trichlorobenzene
 Concen: 2.046 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003015.D
 Acq: 29 Jun 2020 18:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-03

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	48.1	144.3
145	31.3	13.9	41.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

