

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003014.D
 Acq On : 29 Jun 2020 18:18
 Operator : SY/MD
 Sample : L3148-02
 Misc : 7.24G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-02

Quant Time: Jun 30 05:58:56 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	362903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	584051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	555306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	277495	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	207102	57.46	ug/l	0.00
Spiked Amount			Recovery	=	114.92%	
35) Dibromofluoromethane	7.73	113	194658	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
50) Toluene-d8	10.18	98	706364	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.48	95	255931	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	

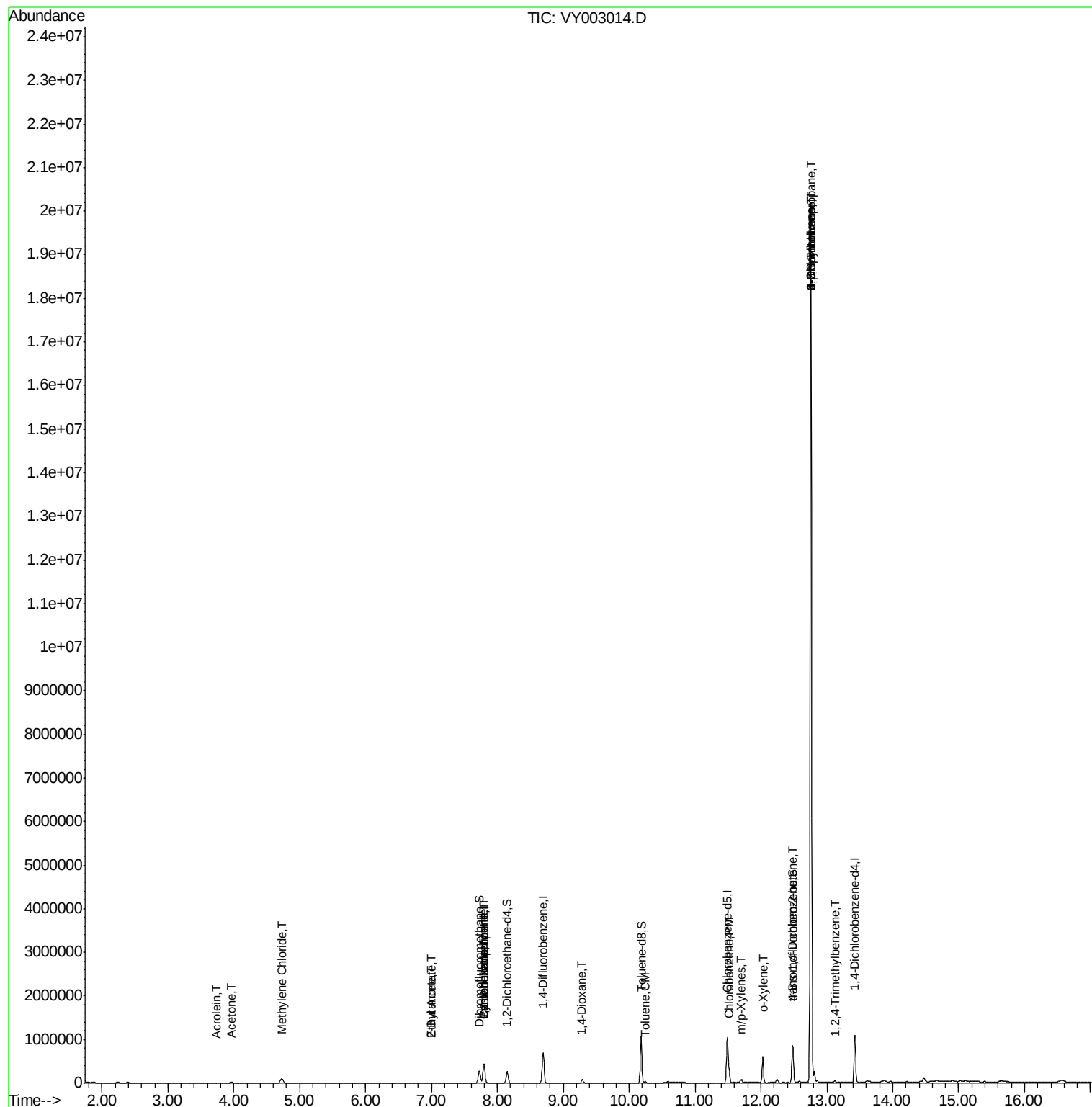
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.74	56	612	1.855	ug/l #	74
16) Acetone	3.96	43	29371	34.551	ug/l	99
20) Methylene Chloride	4.72	84	76811	15.429	ug/l	95
25) 2-Butanone	6.99	43	8700	6.443	ug/l #	86
31) Cyclohexane	7.80	56	7676	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	24295	4.318	ug/l #	50
37) Ethyl Acetate	6.99	43	8700	2.572	ug/l #	71
38) Carbon Tetrachloride	7.80	117	32043	5.474	ug/l #	17
49) 1,4-Dioxane	9.28	88	643	22.760	ug/l #	84
52) Toluene	10.25	92	12891	1.330	ug/l	96
65) Chlorobenzene	11.52	112	155119	14.167	ug/l	98
68) m/p-Xylenes	11.70	106	23572	3.162	ug/l	98
69) o-Xylene	12.03	106	153715	21.880	ug/l	99
76) 1,2,3-Trichloropropane	12.75	75	307592	112.000	ug/l #	100
78) n-propylbenzene	12.76	91	10574883	484.176	ug/l #	53
79) 2-Chlorotoluene	12.76	91	10574883	867.422	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	131774	93.352	ug/l #	12
82) 4-Chlorotoluene	12.76	91	10574883	833.132	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	19080	1.242	ug/l	95

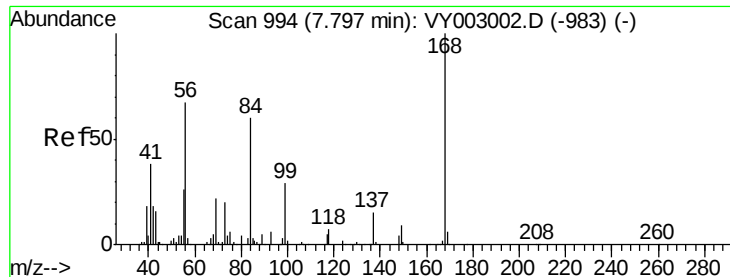
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

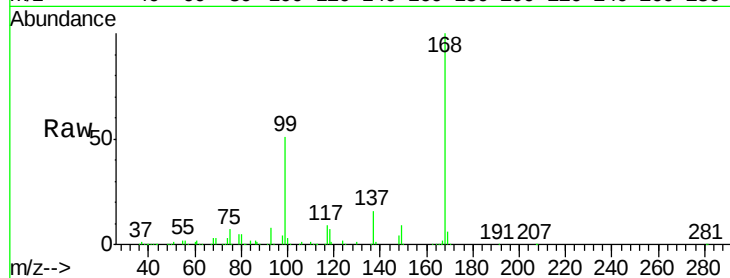
EPEC-POLYMERS-02

Tot Ion:168 Resp: 362903

Ion Ratio Lower Upper

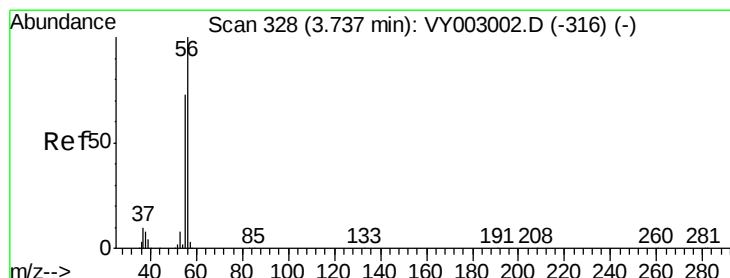
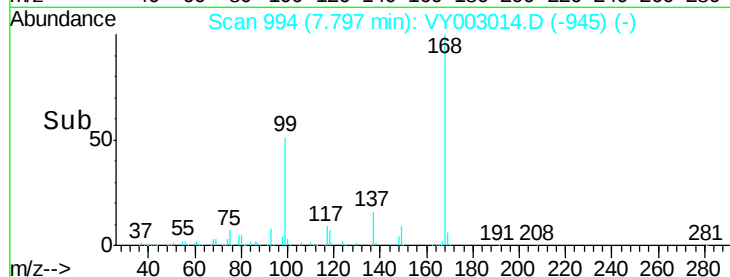
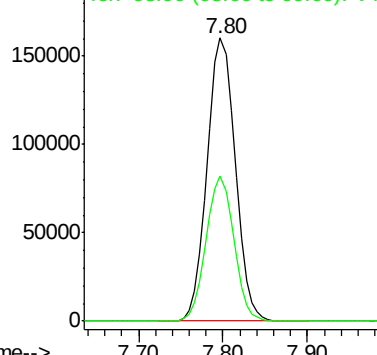
168 100

99 51.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#13

Acrolein

Concen: 1.855 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003014.D

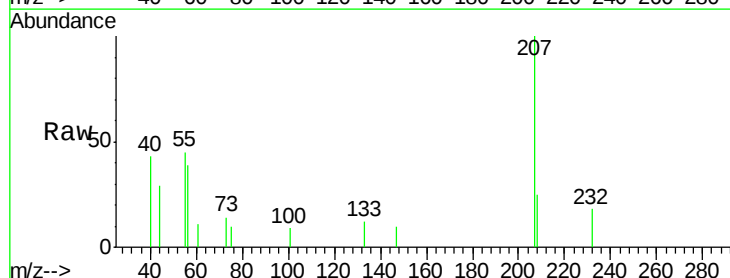
Acq: 29 Jun 2020 18:18

Tgt Ion: 56 Resp: 612

Ion Ratio Lower Upper

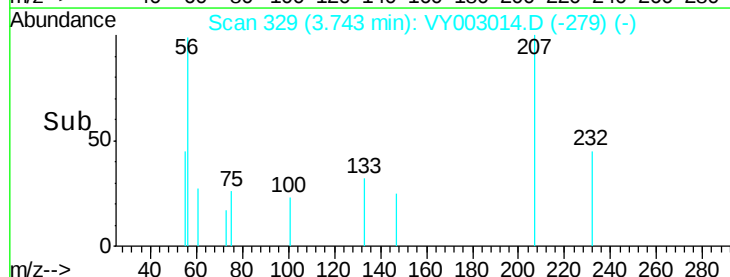
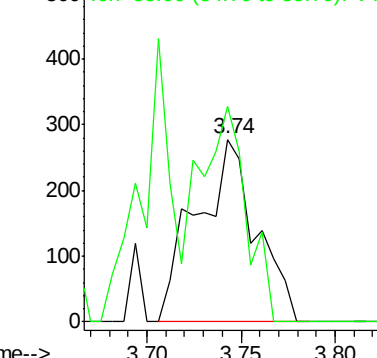
56 100

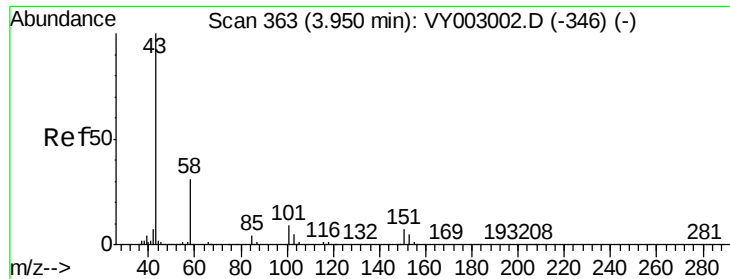
55 92.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0





#16

Acetone

Concen: 34.551 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

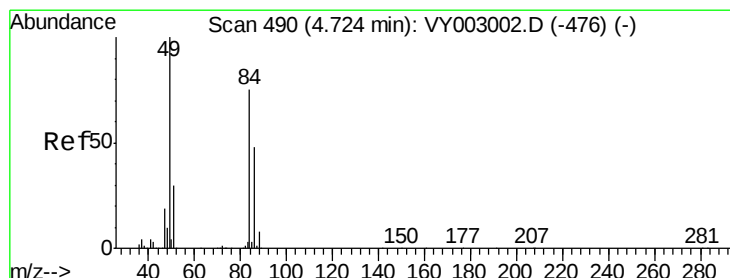
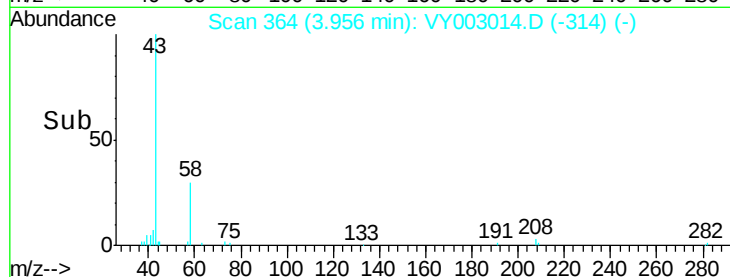
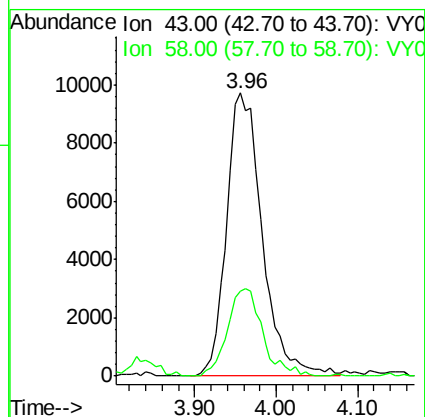
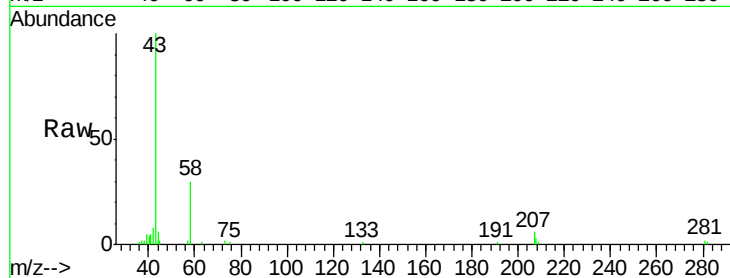
EPEC-POLYMERS-02

Tot Ion: 43 Resp: 29371

Ion Ratio Lower Upper

43 100

58 30.2 24.7 37.1



#20

Methylene Chloride

Concen: 15.429 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

Tgt Ion: 84 Resp: 76811

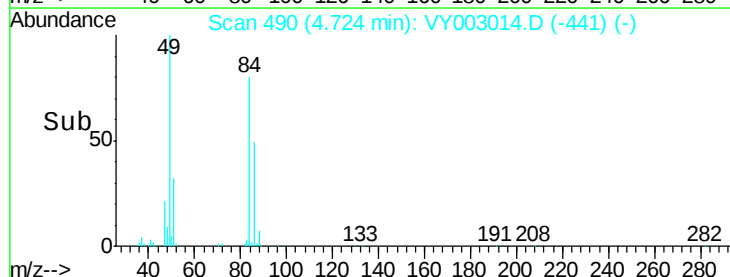
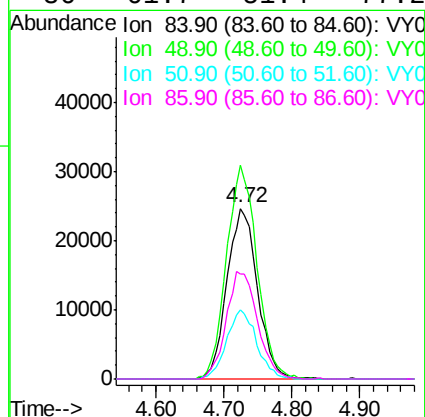
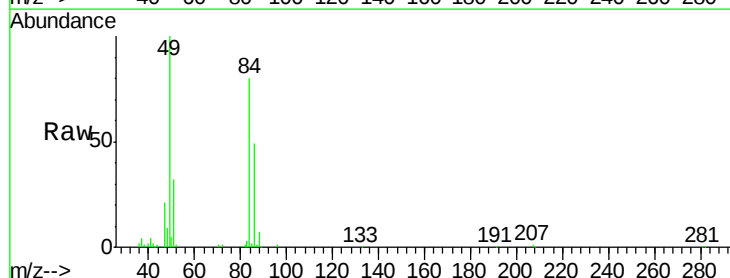
Ion Ratio Lower Upper

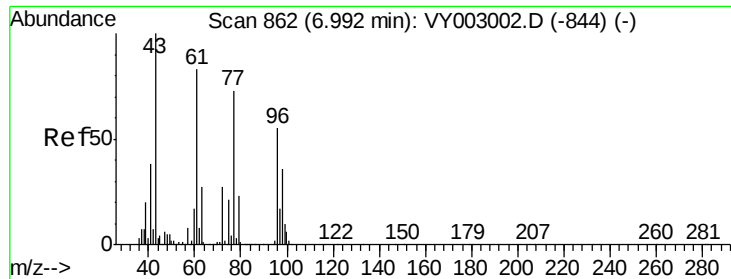
84 100

49 125.2 106.8 160.2

51 40.4 32.0 48.0

86 61.7 51.4 77.2

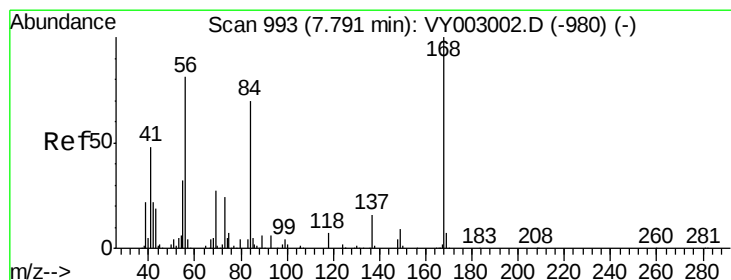
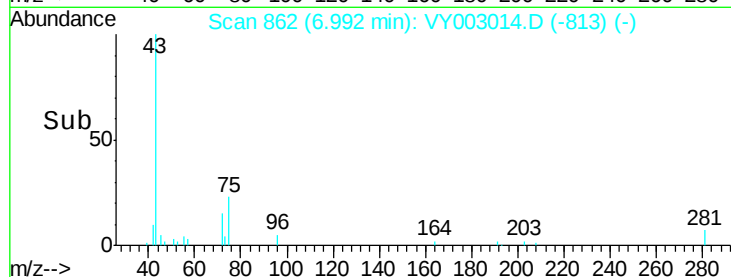
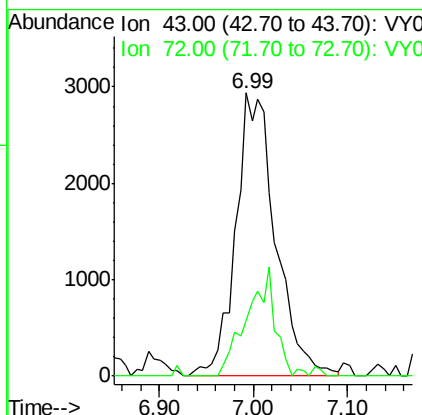
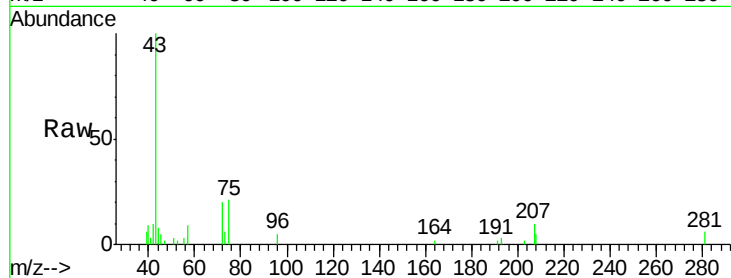




#25
2-Butanone
Concen: 6.443 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

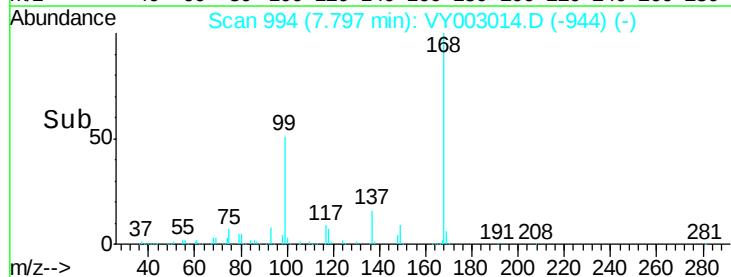
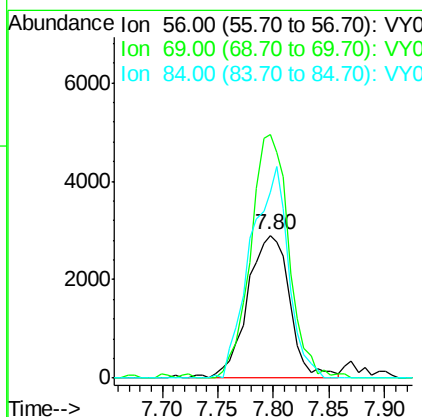
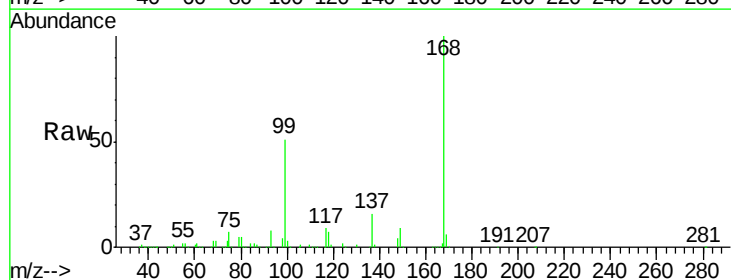
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-02

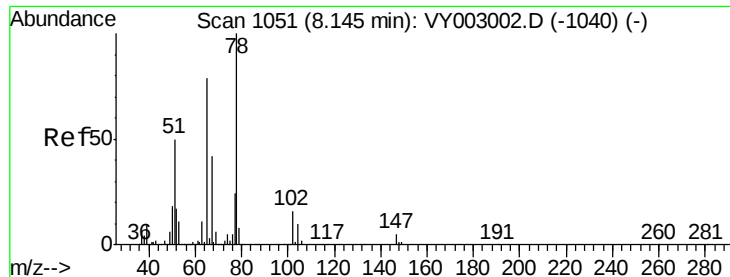
Tot Ion: 43 Resp: 8700
Ion Ratio Lower Upper
43 100
72 19.5 21.4 32.0#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

Tgt Ion: 56 Resp: 7676
Ion Ratio Lower Upper
56 100
69 167.4 27.0 40.4#
84 130.0 68.1 102.1#

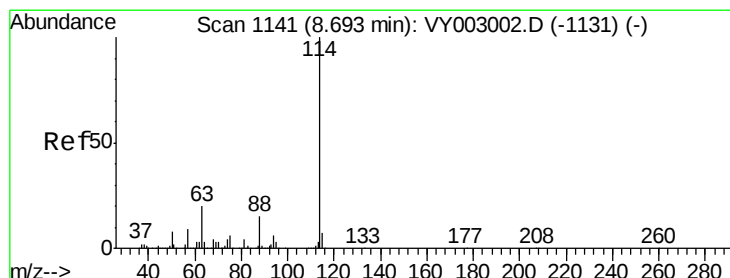
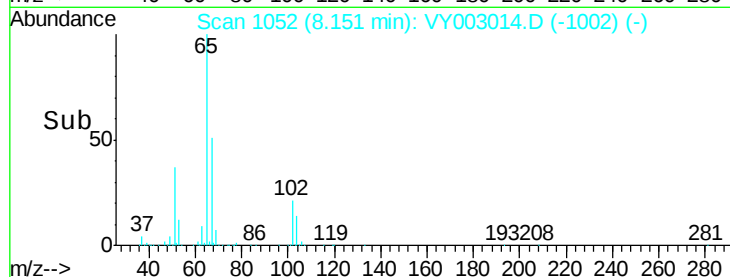
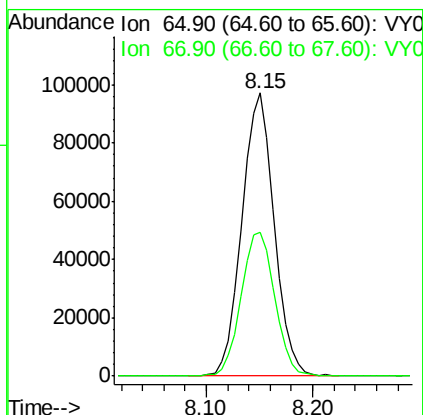
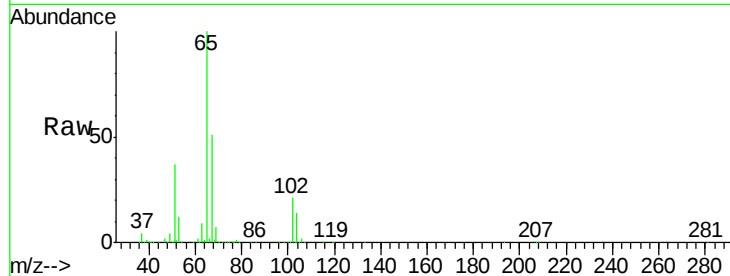




#33
 1,2-Dichloroethane-d4
 Concen: 57.459 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003014.D
 Acq: 29 Jun 2020 18:18

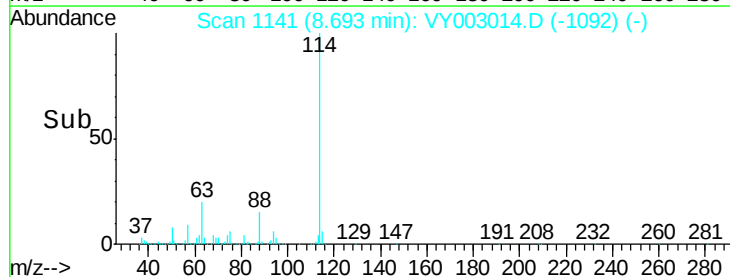
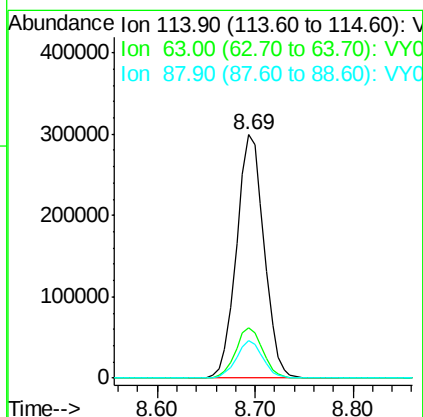
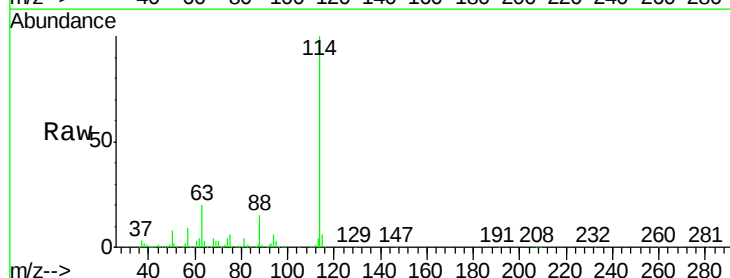
Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-02

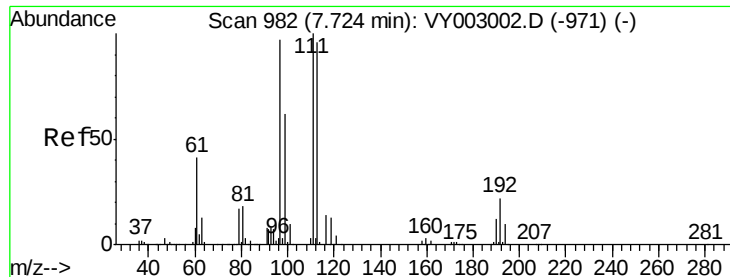
Tot Ion: 65 Resp: 207102
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003014.D
 Acq: 29 Jun 2020 18:18

Tgt Ion: 114 Resp: 584051
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.6
 88 15.4 0.0 30.0

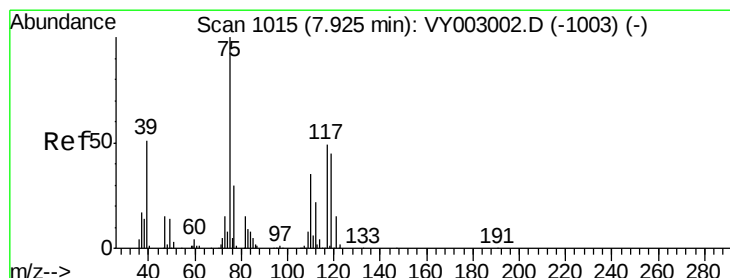
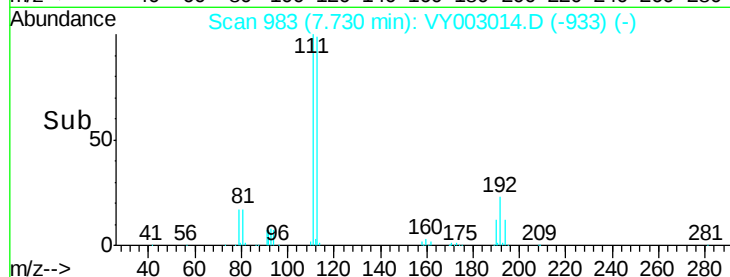
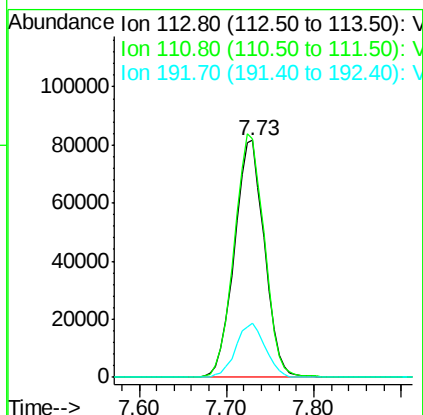
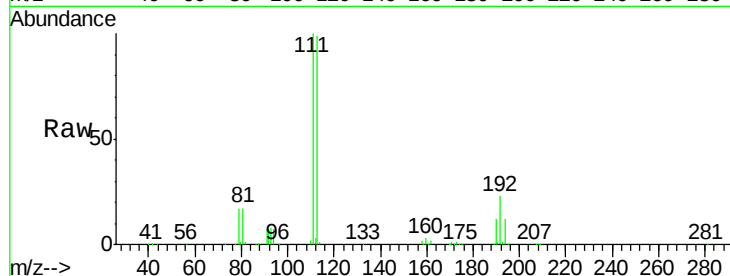




#35
 Dibromofluoromethane
 Concen: 53.427 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003014.D
 Acq: 29 Jun 2020 18:18

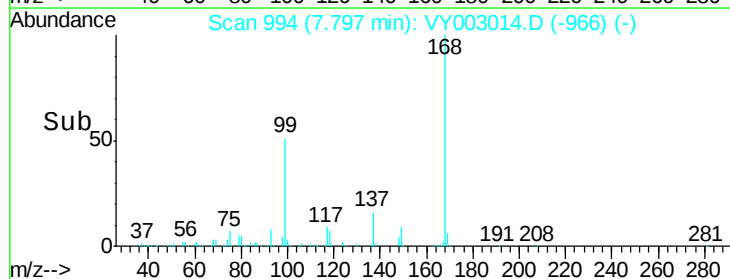
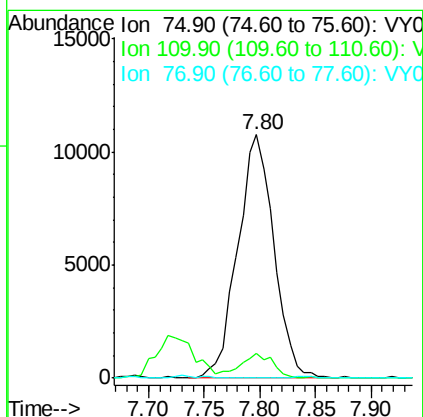
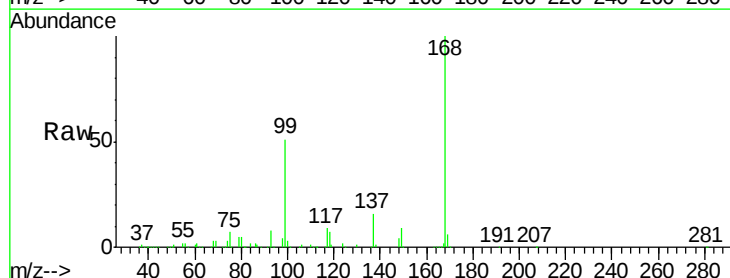
Instrument :
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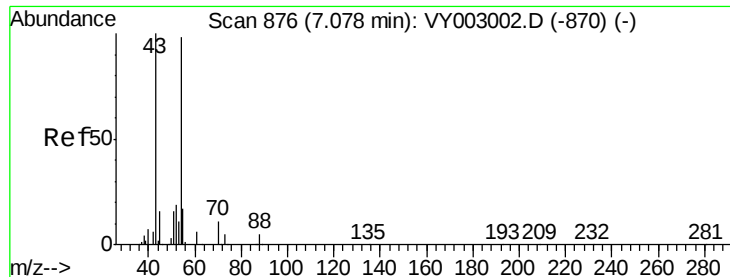
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	22.4	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.318 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003014.D
 Acq: 29 Jun 2020 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.9	37.3#

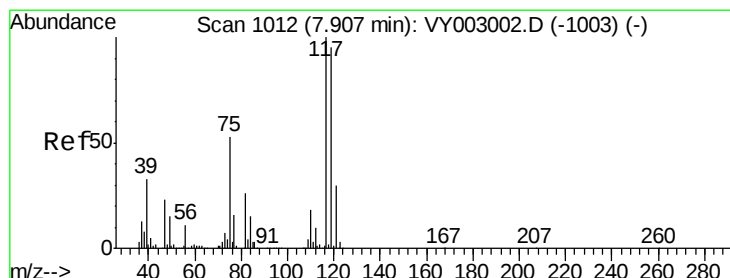
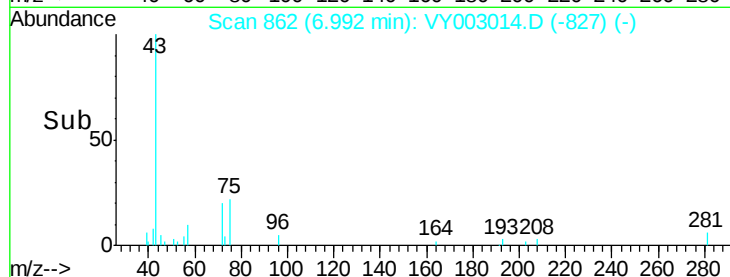
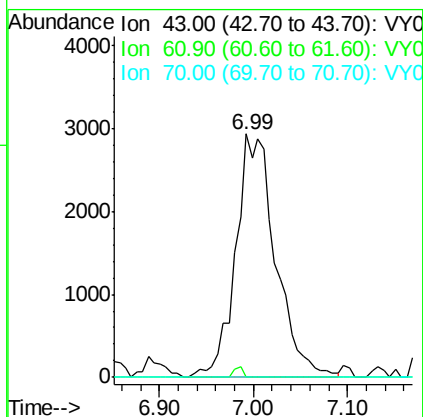
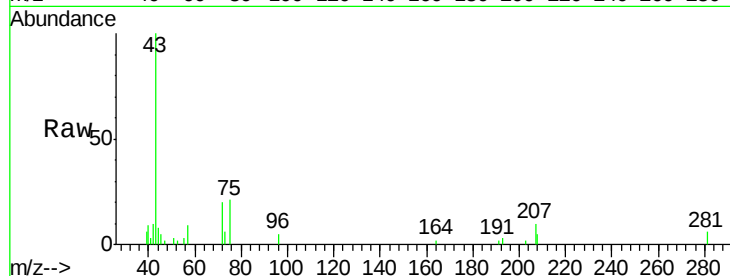




#37
Ethyl Acetate
Concen: 2.572 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.09 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

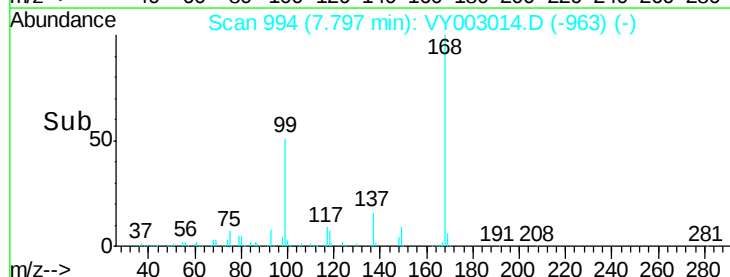
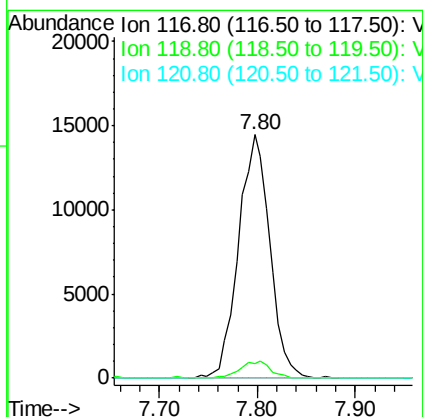
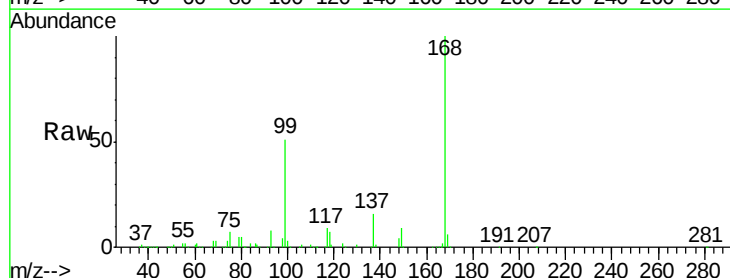
Instrument :
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EPEC-POLYMERS-02

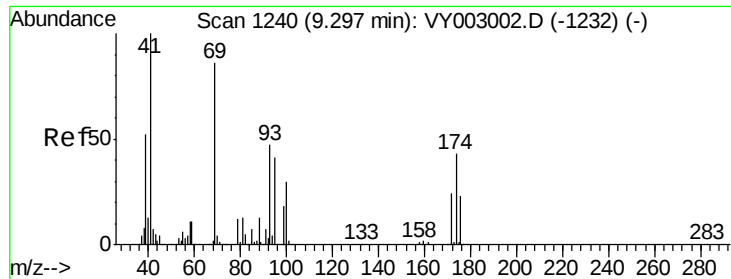
Tot Ion	43	Resp	8700
Ion Ratio	Lower	Upper	
43	100		
61	0.9	10.4	15.6#
70	0.0	7.7	11.5#



#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

Tgt Ion	117	Resp	32043
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.7	113.5#
121	0.0	23.9	35.9#





#49

1,4-Dioxane

Concen: 22.760 ug/l

RT: 9.28 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-02

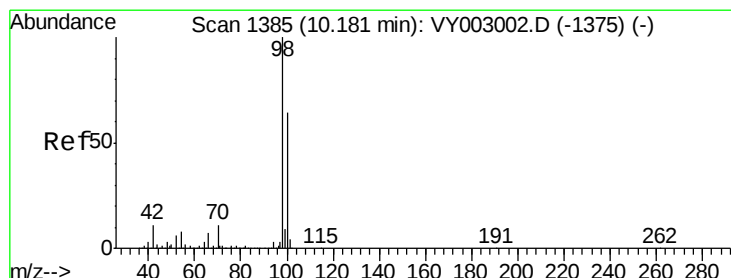
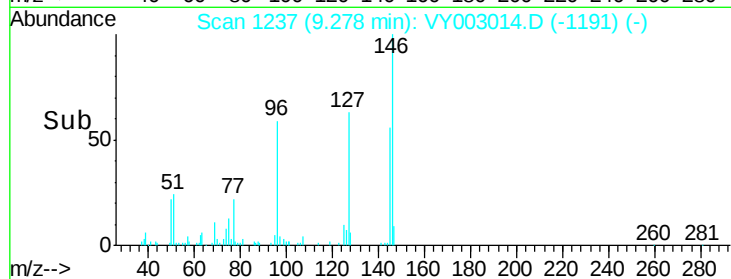
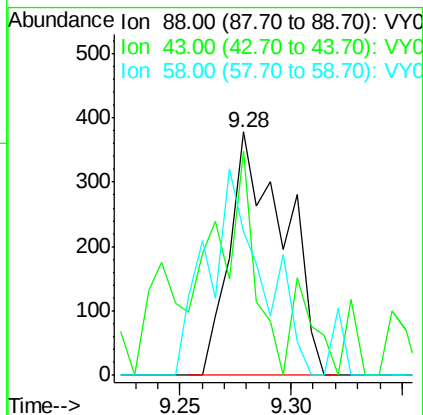
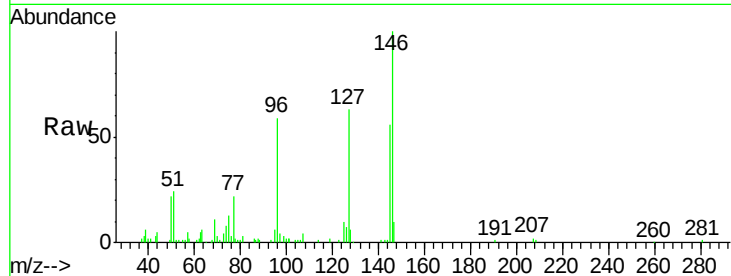
Tot Ion: 88 Resp: 643

Ion Ratio Lower Upper

88 100

43 28.0 28.6 42.8#

58 85.4 56.7 85.1#



#50

Toluene-d8

Concen: 52.041 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003014.D

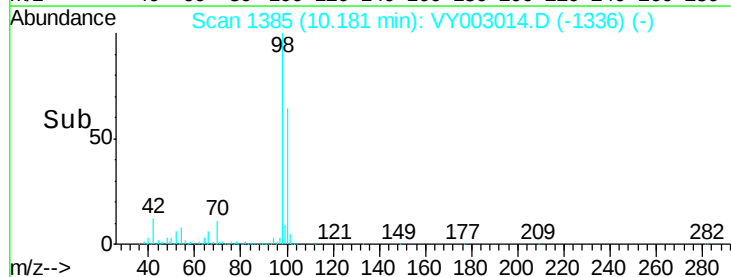
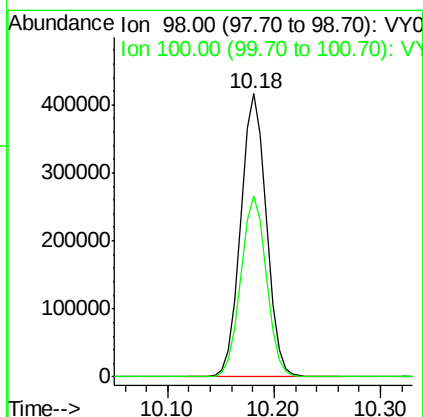
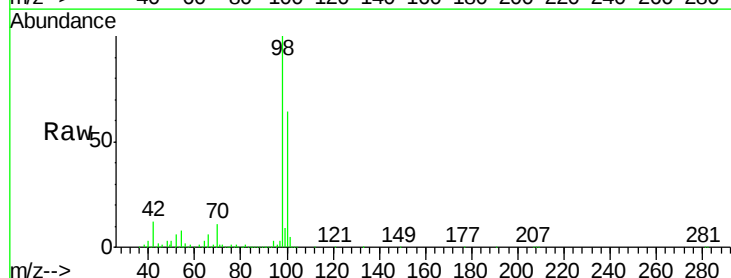
Acq: 29 Jun 2020 18:18

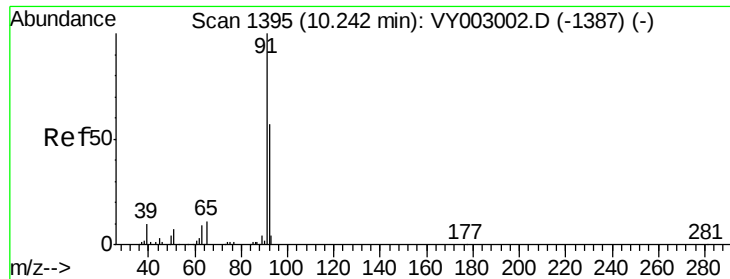
Tgt Ion: 98 Resp: 706364

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7





#52

Toluene

Concen: 1.330 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

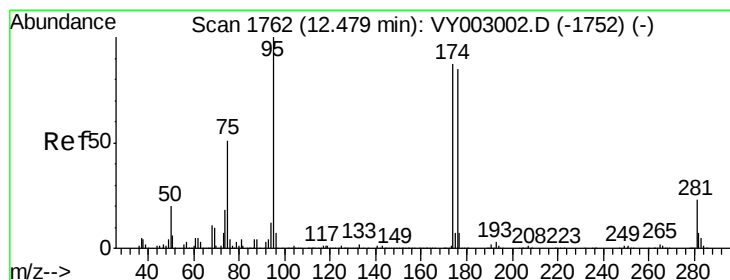
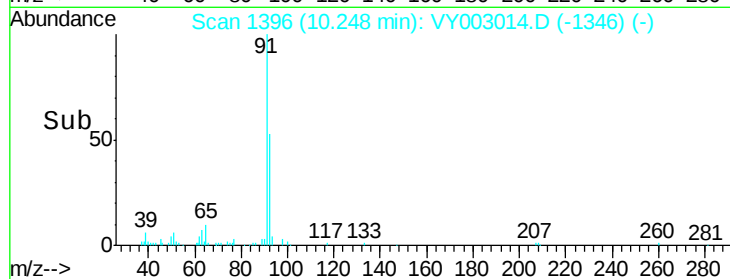
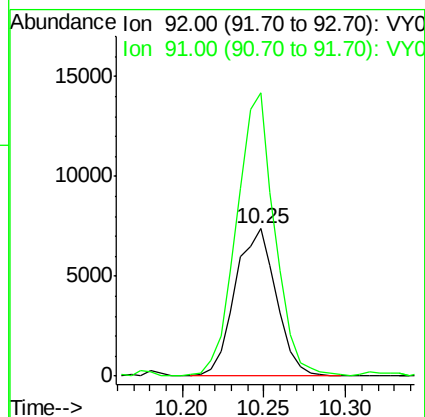
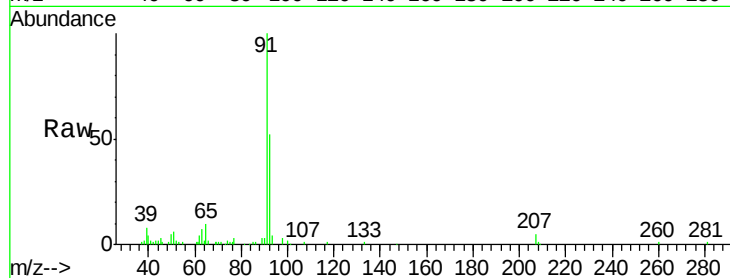
EPEC-POLYMERS-02

Tot Ion: 92 Resp: 12891

Ion Ratio Lower Upper

92 100

91 179.8 139.6 209.4



#62

4-Bromofluorobenzene

Concen: 53.566 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

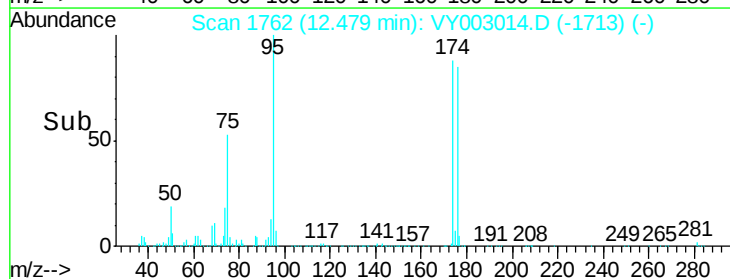
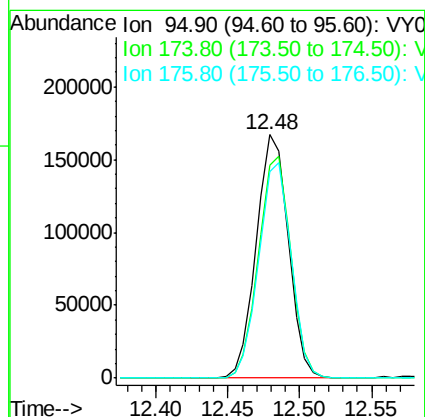
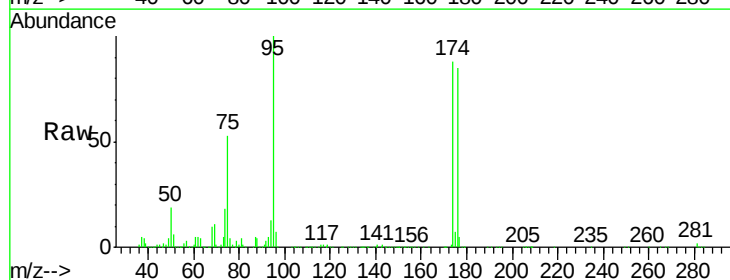
Tgt Ion: 95 Resp: 255931

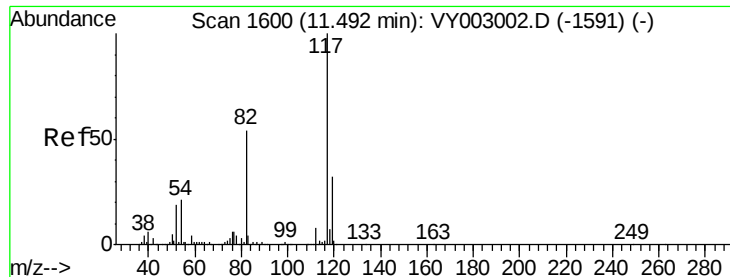
Ion Ratio Lower Upper

95 100

174 92.2 0.0 184.8

176 89.8 0.0 183.0

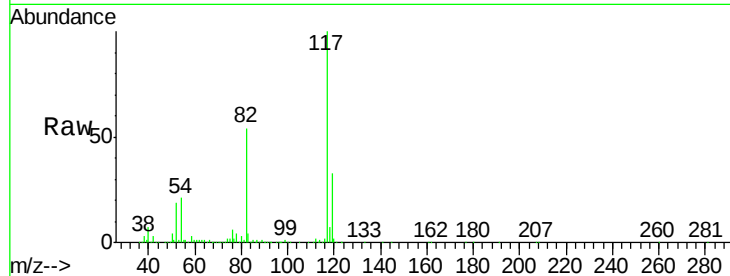




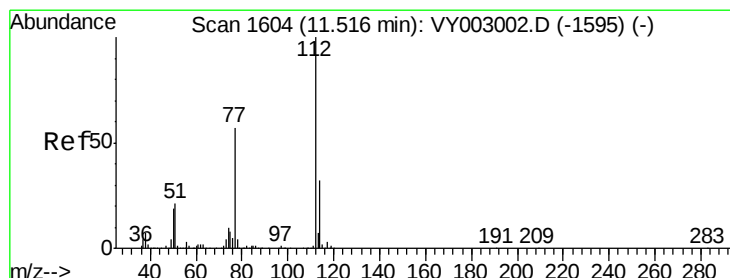
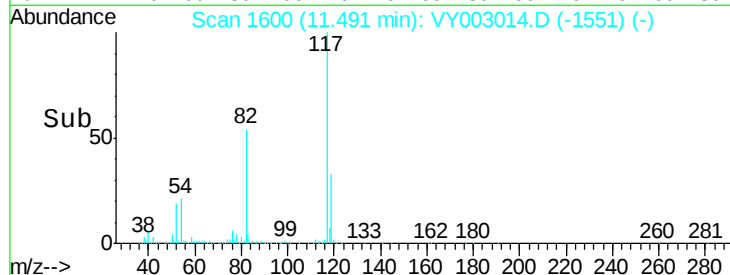
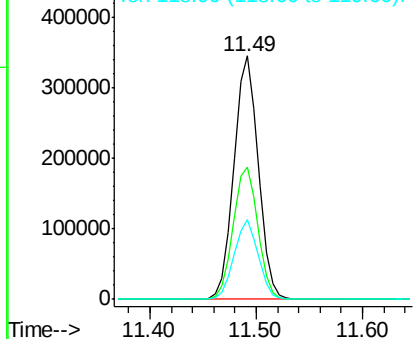
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-02

Tot Ion:117 Resp: 555306
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.6
119 32.7 25.8 38.8

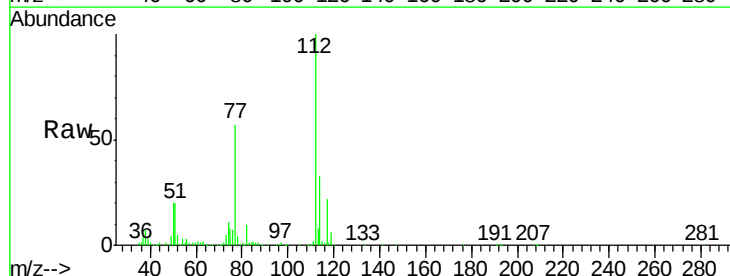


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

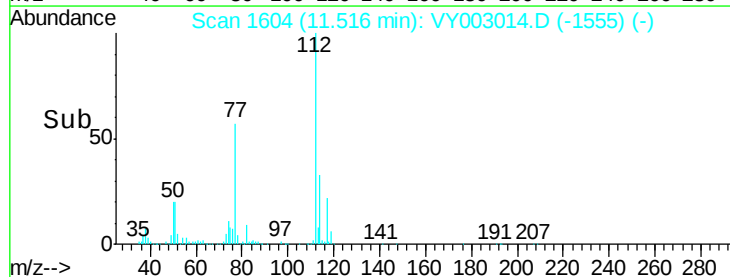
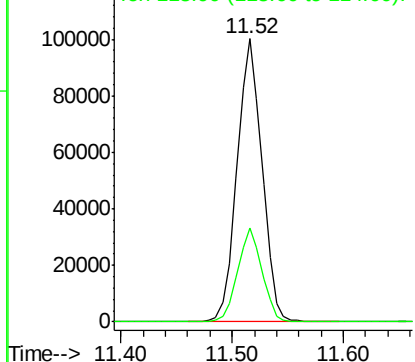


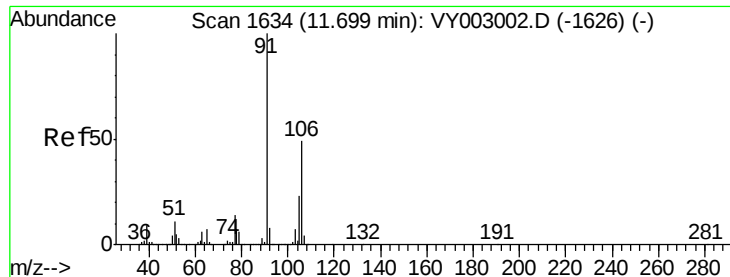
#65
Chlorobenzene
Concen: 14.167 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

Tgt Ion:112 Resp: 155119
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5



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

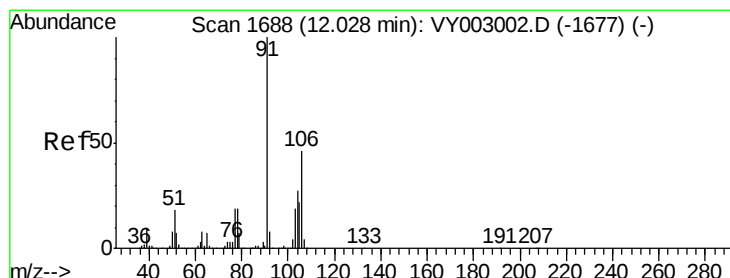
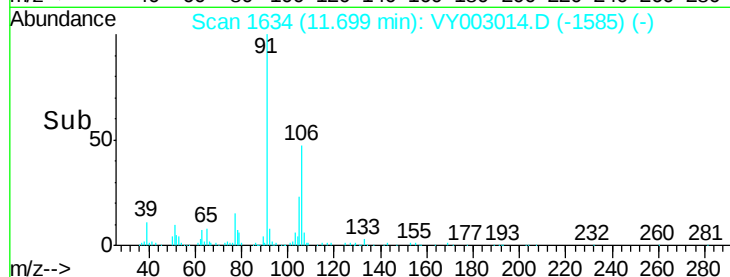
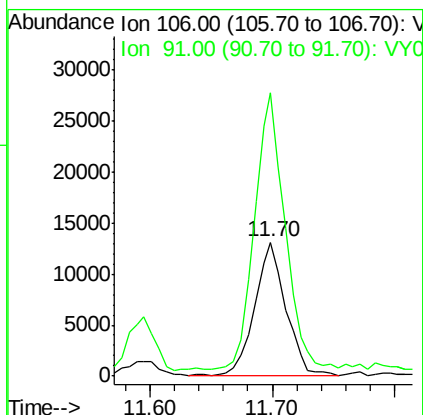
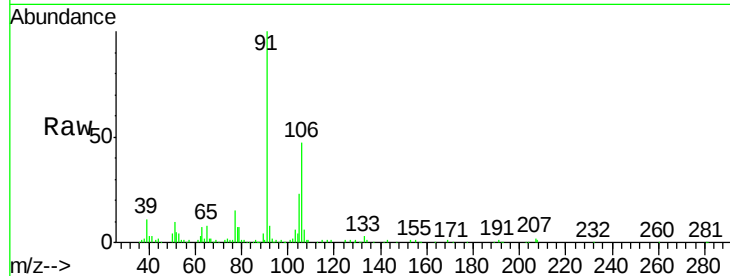




#68
m/p-Xylenes
Concen: 3.162 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

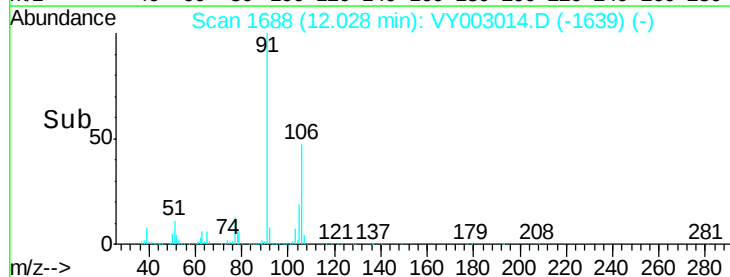
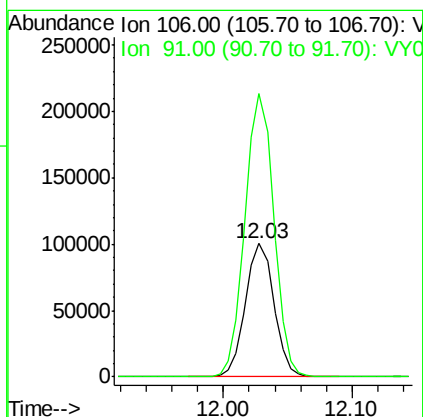
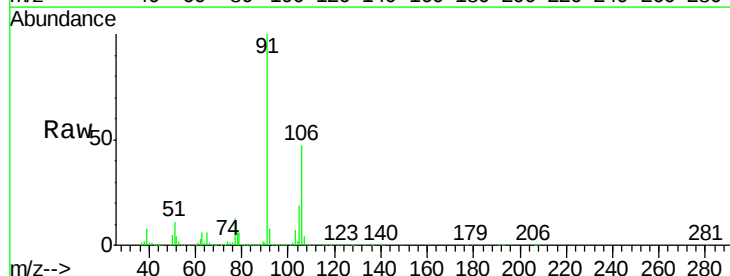
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-02

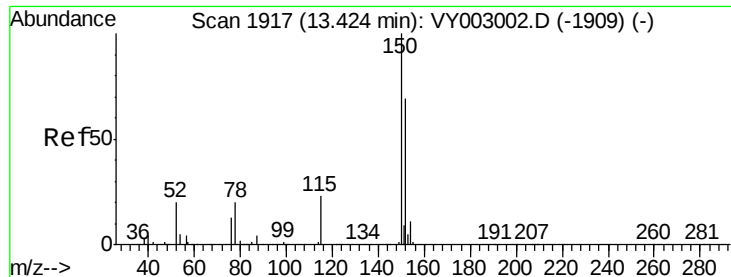
Tot Ion:106 Resp: 23572
Ion Ratio Lower Upper
106 100
91 199.6 161.9 242.9



#69
o-Xylene
Concen: 21.880 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

Tgt Ion:106 Resp: 153715
Ion Ratio Lower Upper
106 100
91 214.0 107.9 323.8



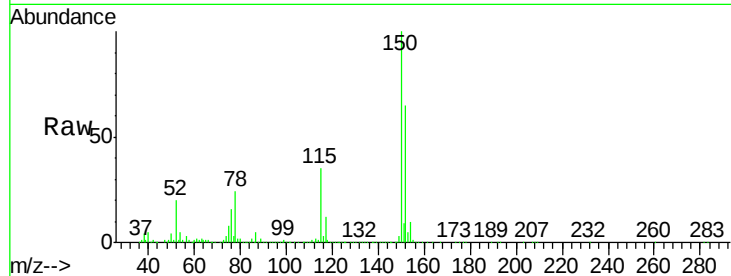


#72

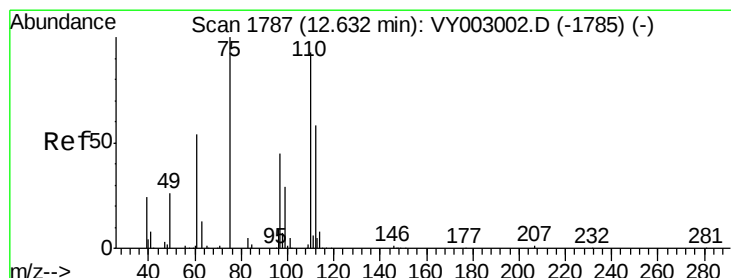
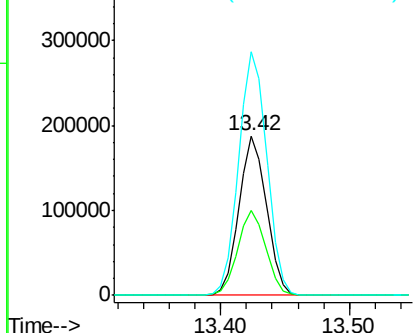
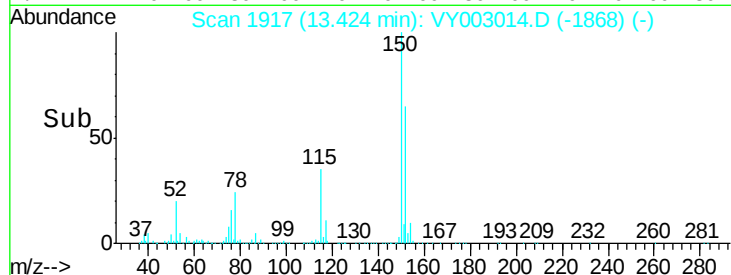
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-02

Tot Ion:152 Resp: 277495
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.9
150 156.0 0.0 343.4



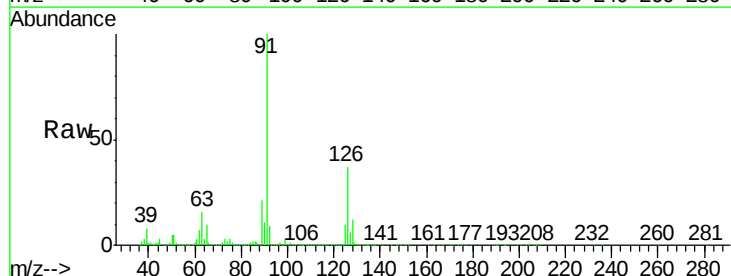
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



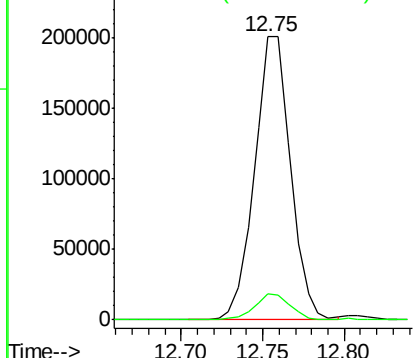
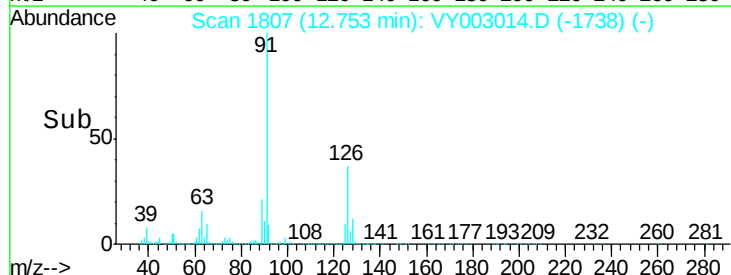
#76

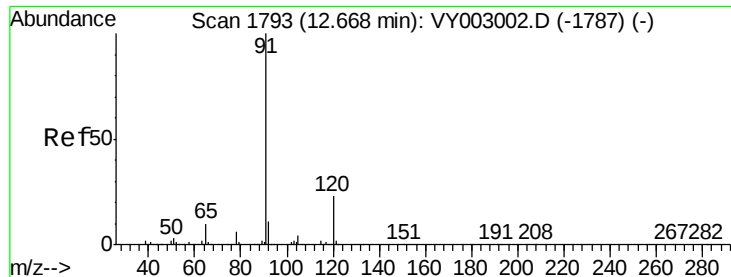
1,2,3-Trichloropropane
Concen: 112.000 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.12 min
Lab File: VY003014.D
Acq: 29 Jun 2020 18:18

Tgt Ion: 75 Resp: 307592
Ion Ratio Lower Upper
75 100
77 9.0 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: 484.176 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.09 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

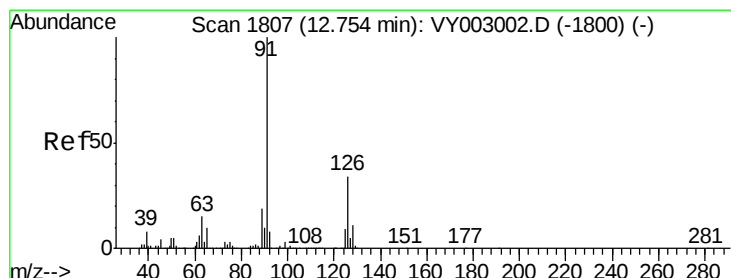
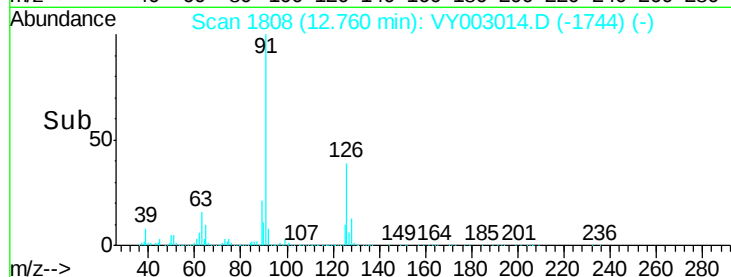
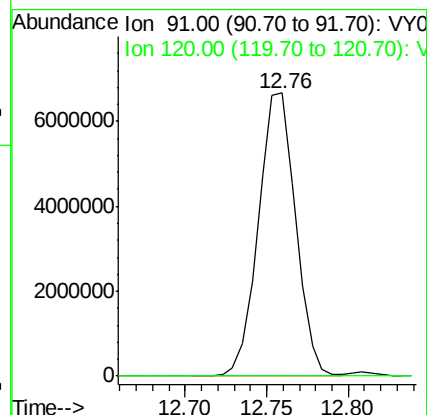
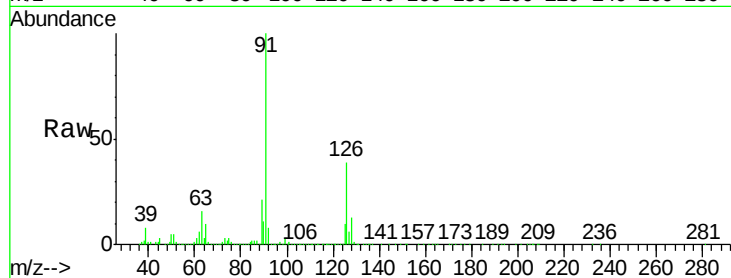
EPEC-POLYMERS-02

Tot Ion: 91 Resp:10574883

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.5#



#79

2-Chlorotoluene

Concen: 867.422 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY003014.D

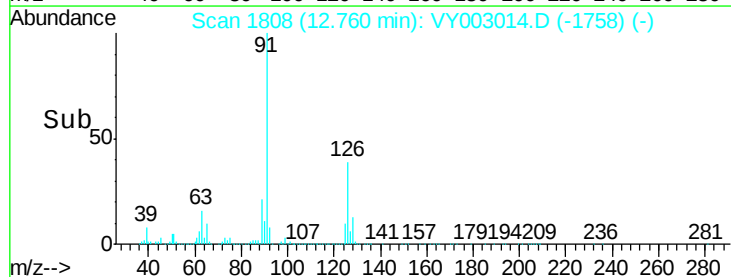
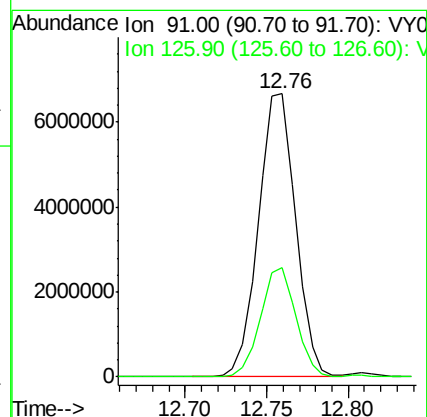
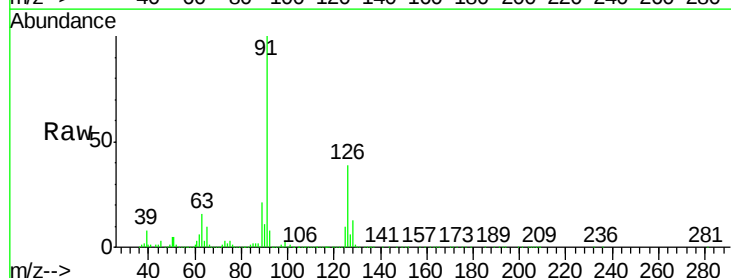
Acq: 29 Jun 2020 18:18

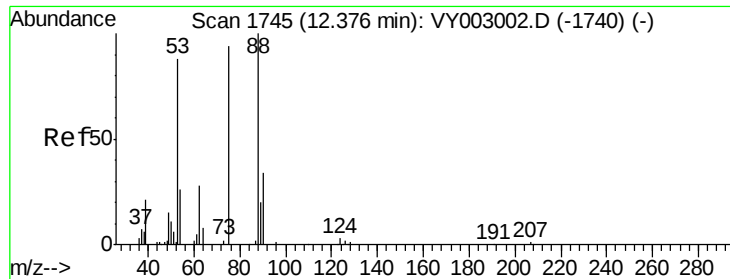
Tgt Ion: 91 Resp:10574883

Ion Ratio Lower Upper

91 100

126 36.8 17.1 51.3





#81

trans-1,4-Dichloro-2-butene

Concen: 93.352 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003014.D

Acq: 29 Jun 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-02

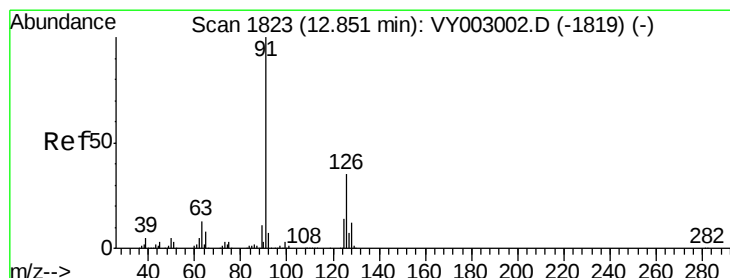
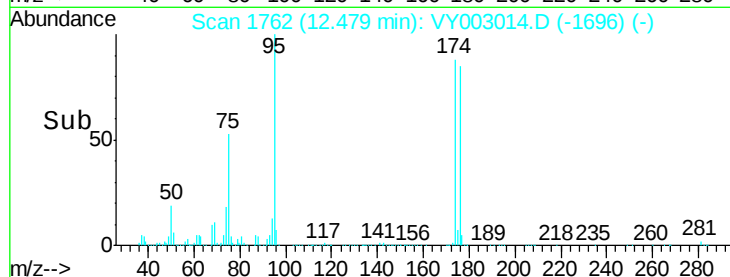
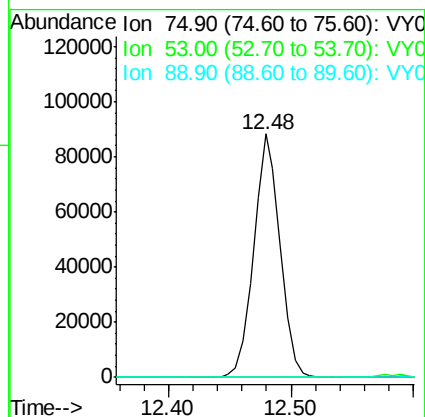
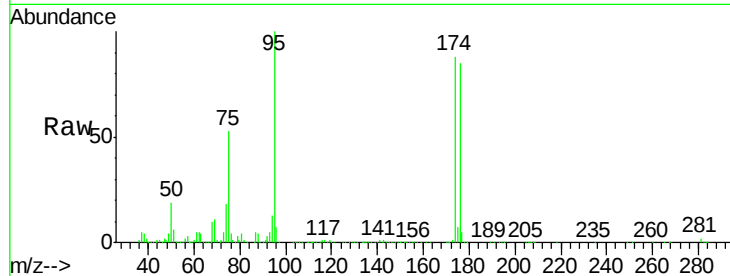
Tot Ion: 75 Resp: 131774

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.3 37.5 56.3#



#82

4-Chlorotoluene

Concen: 833.132 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.09 min

Lab File: VY003014.D

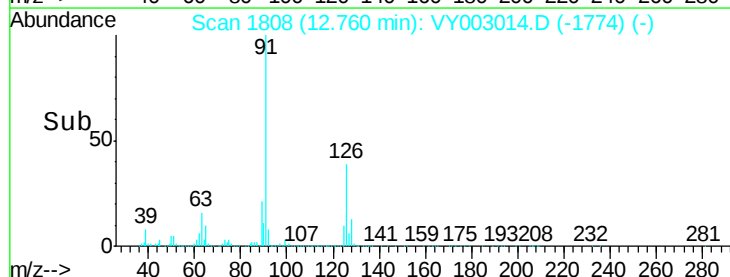
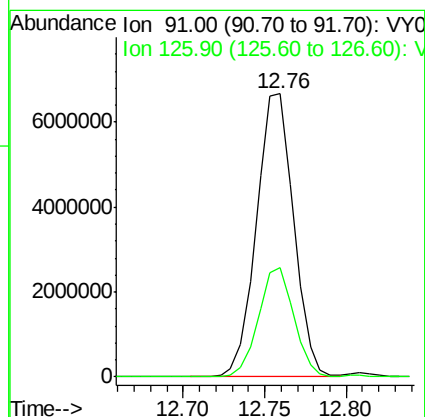
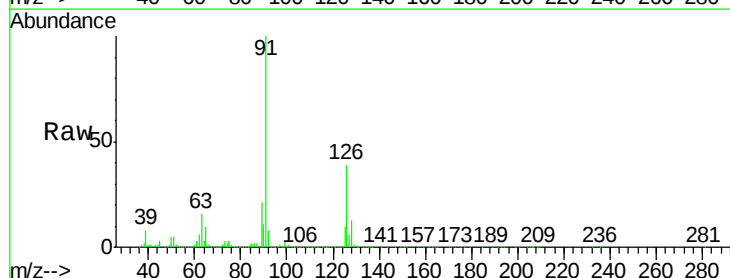
Acq: 29 Jun 2020 18:18

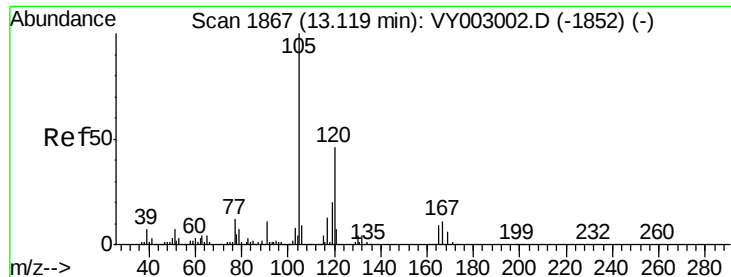
Tgt Ion: 91 Resp: 10574883

Ion Ratio Lower Upper

91 100

126 36.8 17.4 52.3





#84
 1,2,4-Trimethylbenzene
 Concen: 1.242 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003014.D
 Acq: 29 Jun 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-02

Tot Ion:105 Resp: 19080
 Ion Ratio Lower Upper
 105 100
 120 48.3 22.6 67.8

