

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003013.D
 Acq On : 29 Jun 2020 17:54
 Operator : SY/MD
 Sample : L3148-01
 Misc : 5.84G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-01

Quant Time: Jun 30 05:58:28 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	357203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	572017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	542771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	268231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	208533	58.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.56%	
35) Dibromofluoromethane	7.72	113	191270	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
50) Toluene-d8	10.18	98	696166	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.48	95	247840	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

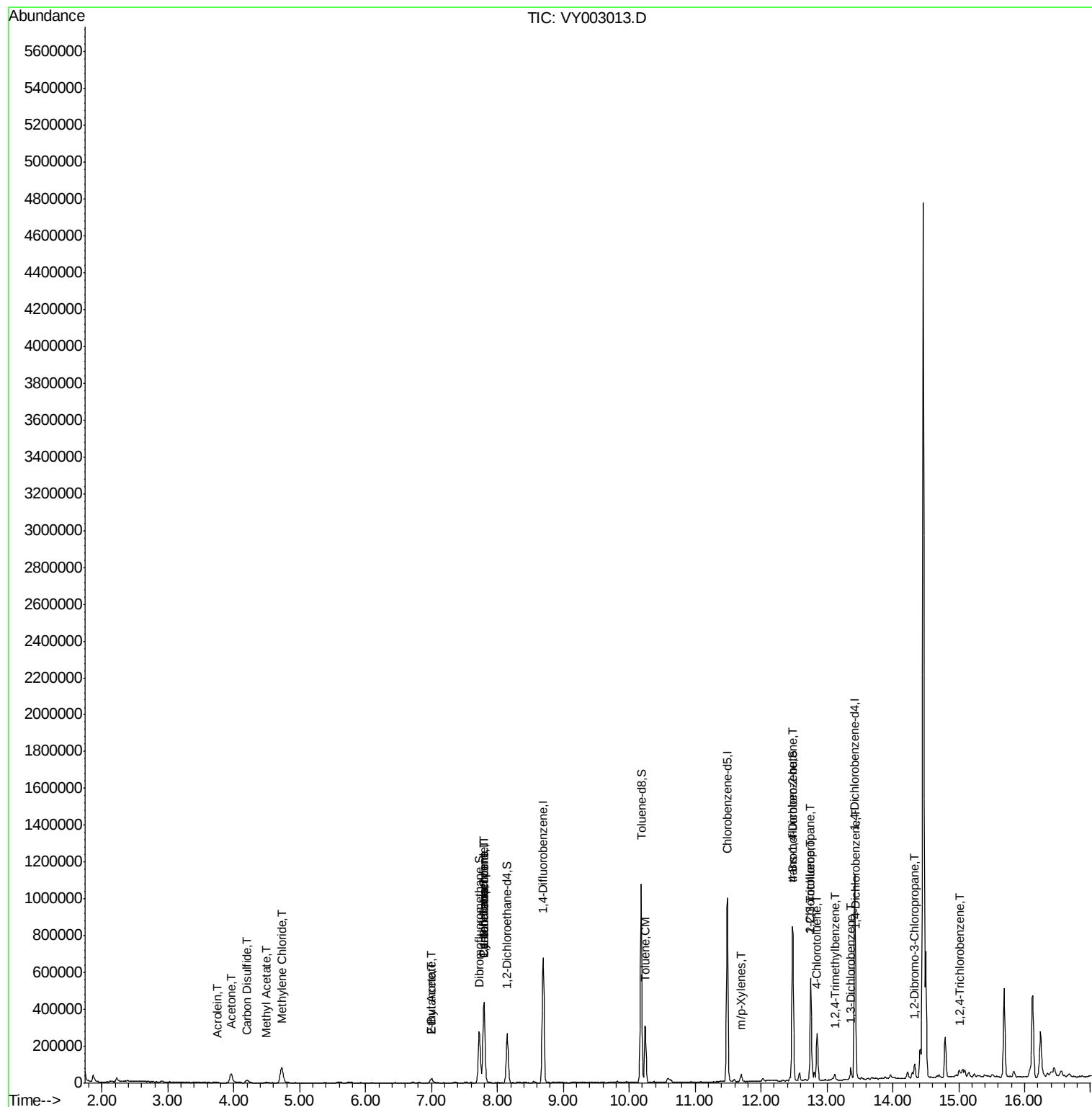
						Qvalue
13) Acrolein	3.75	56	848	2.611	ug/l	92
16) Acetone	3.96	43	92289	110.298	ug/l	96
17) Carbon Disulfide	4.20	76	31213	3.153	ug/l	99
18) Methyl Acetate	4.49	43	2393	1.062	ug/l #	82
20) Methylene Chloride	4.72	84	65021	12.135	ug/l	97
25) 2-Butanone	7.00	43	38911	29.275	ug/l	96
31) Cyclohexane	7.79	56	7614	1.220	ug/l #	5
36) 1,1-Dichloropropene	7.79	75	24221	4.396	ug/l #	51
37) Ethyl Acetate	7.00	43	38911	11.745	ug/l #	71
38) Carbon Tetrachloride	7.80	117	34032	5.936	ug/l #	17
52) Toluene	10.24	92	127865	13.465	ug/l	99
68) m/p-Xylenes	11.70	106	12316	1.690	ug/l	99
76) 1,2,3-Trichloropropane	12.75	75	8304	3.128	ug/l #	100
79) 2-Chlorotoluene	12.75	91	303800	25.780	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	130105	95.353	ug/l #	12
82) 4-Chlorotoluene	12.85	91	141100	11.500	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	15758	1.062	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	22163	2.637	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	28643	3.457	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	14.33	75	4336	6.914	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.00	180	7696	1.374	ug/l	97

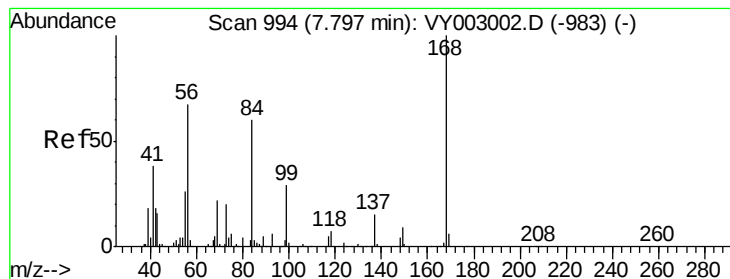
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
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: VY003013.D

Acq: 29 Jun 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

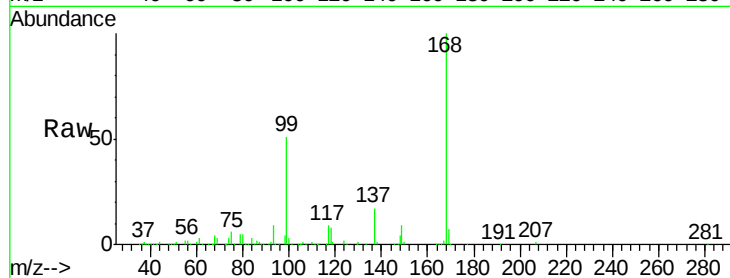
EPEC-POLYMERS-01

Tot Ion:168 Resp: 357203

Ion Ratio Lower Upper

168 100

99 50.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

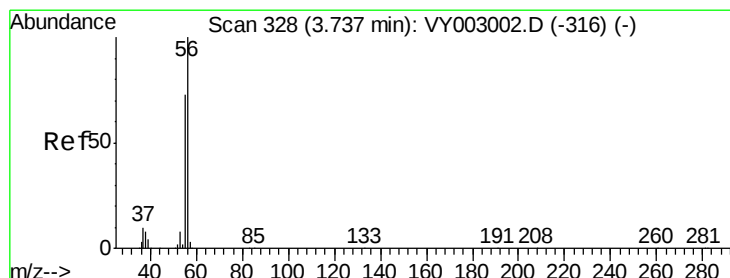
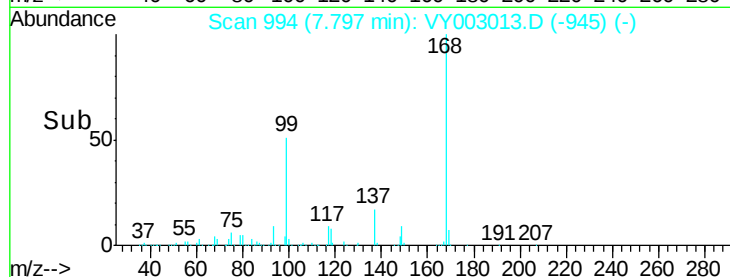
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 2.611 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.02 min

Lab File: VY003013.D

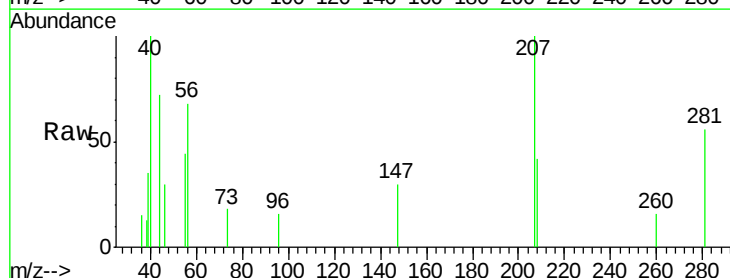
Acq: 29 Jun 2020 17:54

Tgt Ion: 56 Resp: 848

Ion Ratio Lower Upper

56 100

55 77.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VY003002.D (-316) (-)

Ion 55.00 (54.70 to 55.70): VY003002.D (-316) (-)

3.75

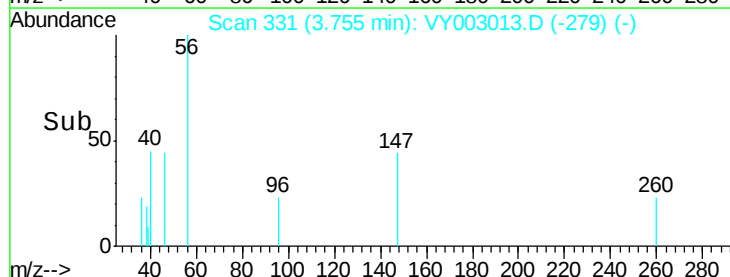
600

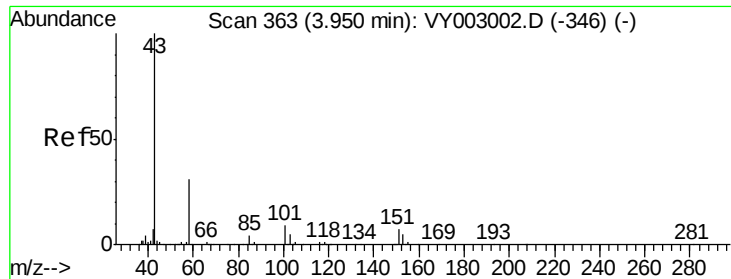
400

200

0

Time-->

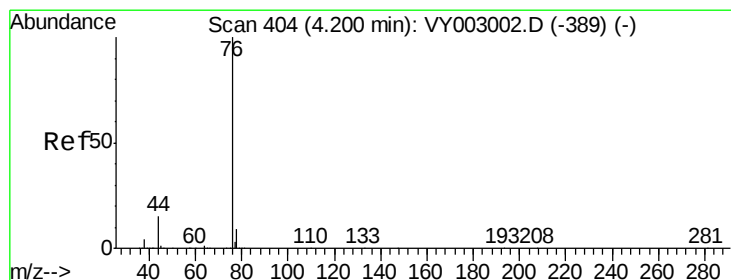
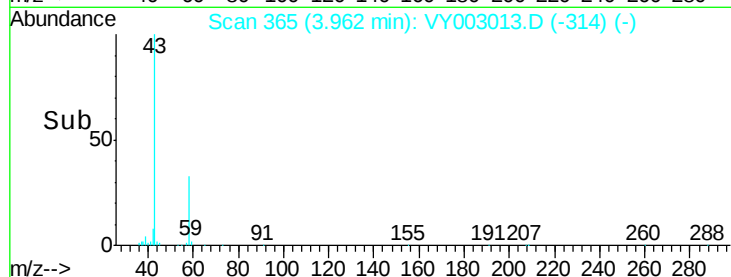
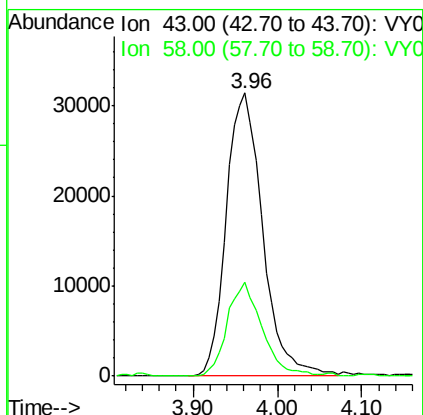
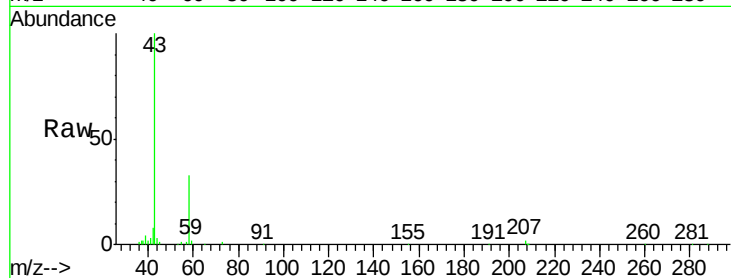




#16
Acetone
Concen: 110.298 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

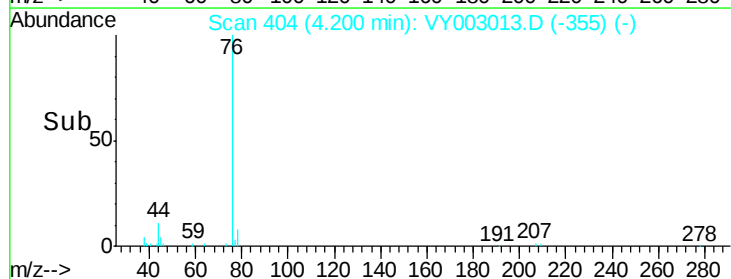
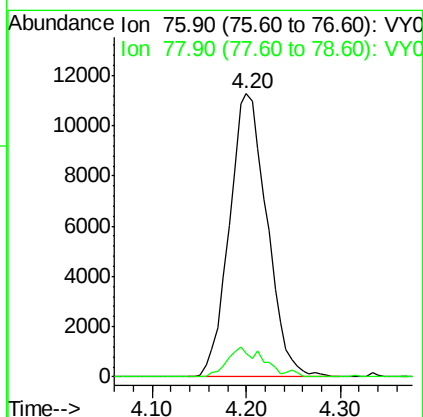
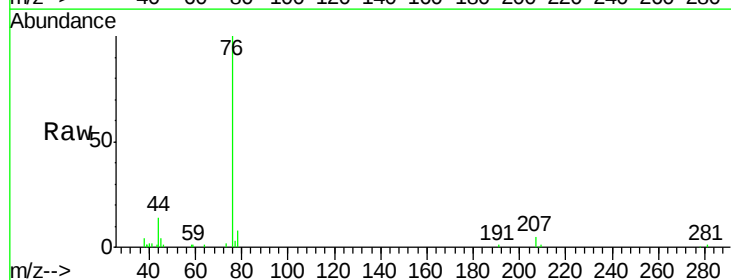
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-01

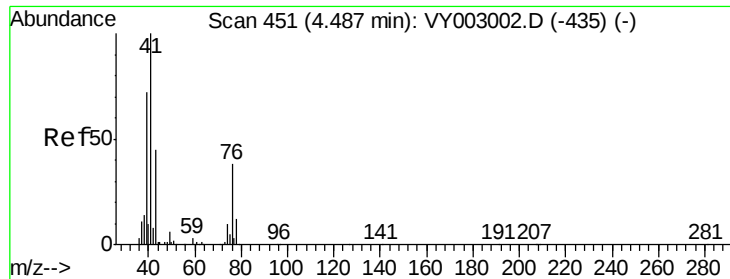
Tot Ion: 43 Resp: 92289
Ion Ratio Lower Upper
43 100
58 33.0 24.7 37.1



#17
Carbon Disulfide
Concen: 3.153 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion: 76 Resp: 31213
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

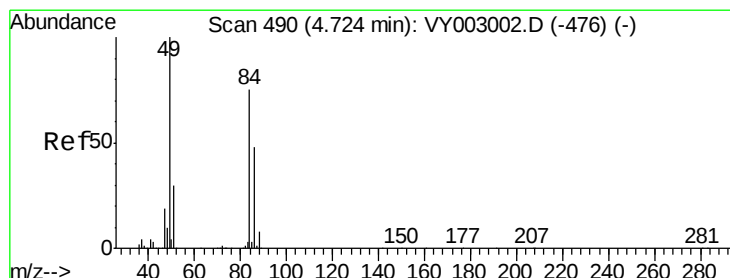
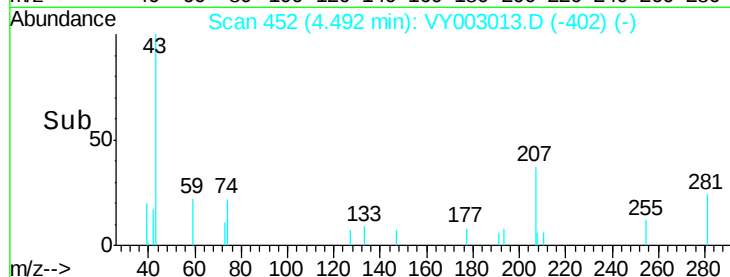
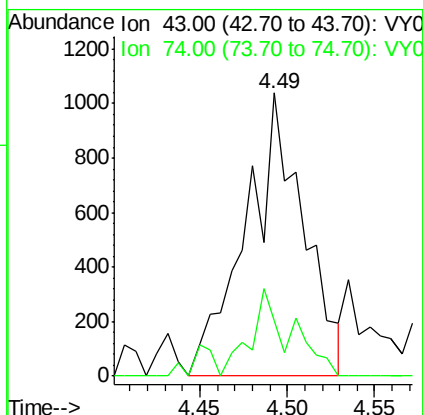
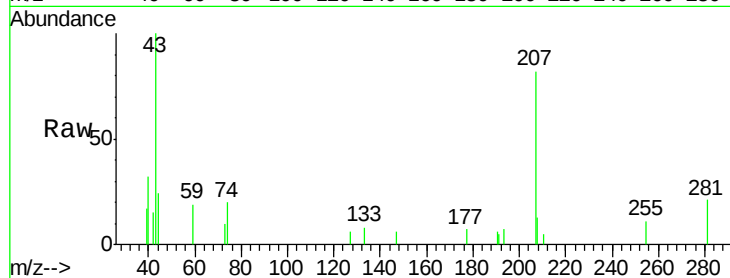




#18
Methyl Acetate
Concen: 1.062 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

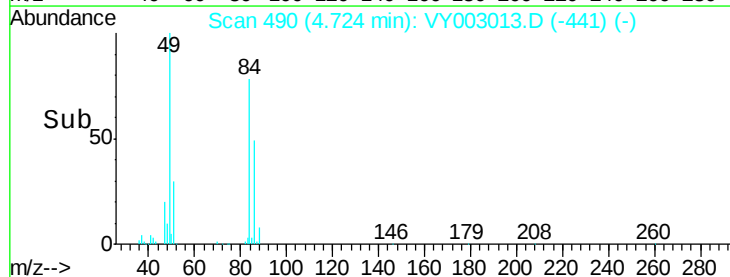
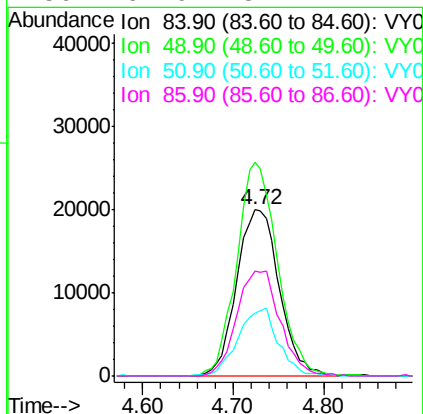
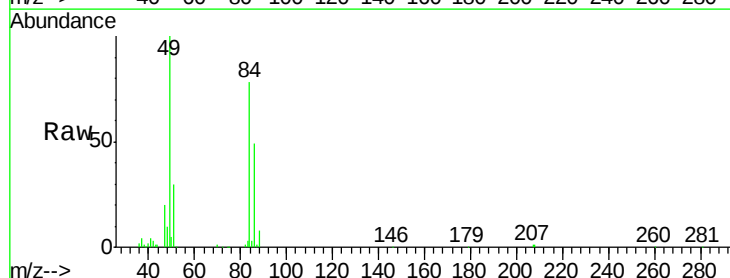
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-01

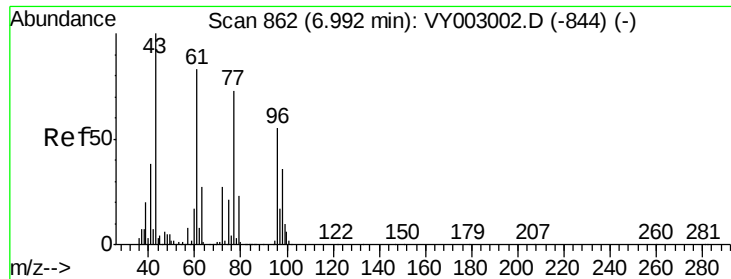
Tot Ion: 43 Resp: 2393
Ion Ratio Lower Upper
43 100
74 14.0 18.2 27.4#



#20
Methylene Chloride
Concen: 12.135 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion: 84 Resp: 65021
Ion Ratio Lower Upper
84 100
49 128.8 106.8 160.2
51 38.1 32.0 48.0
86 62.9 51.4 77.2





#25

2-Butanone

Concen: 29.275 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

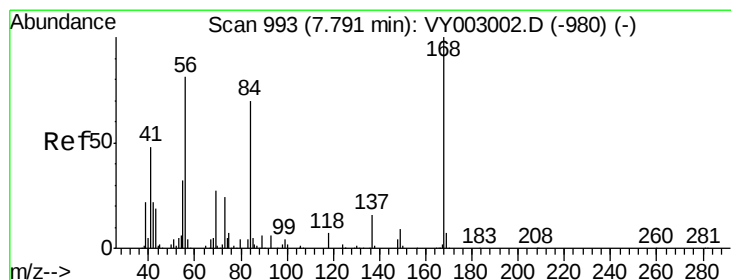
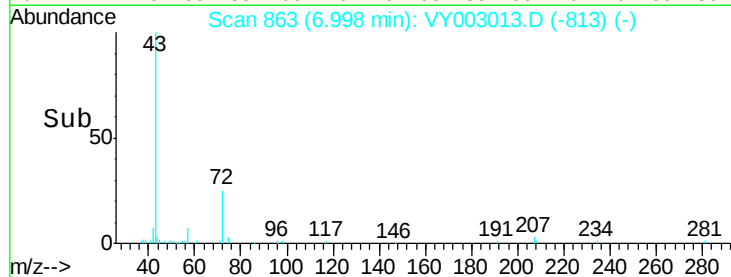
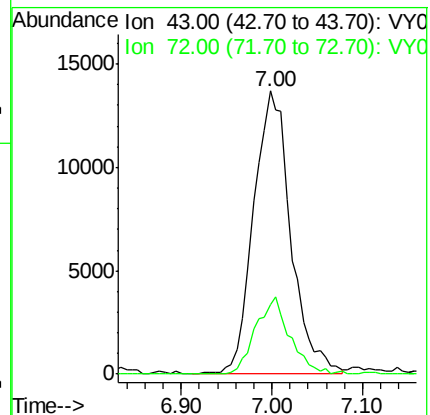
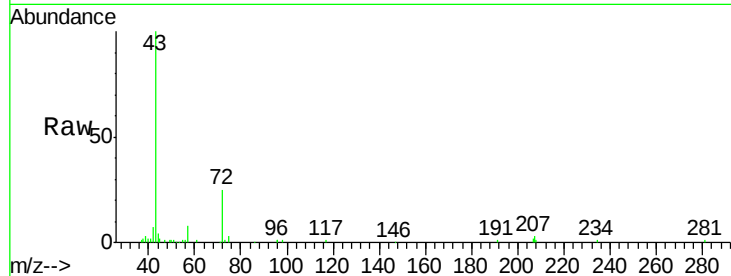
EPEC-POLYMERS-01

Tot Ion: 43 Resp: 38911

Ion Ratio Lower Upper

43 100

72 24.7 21.4 32.0



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

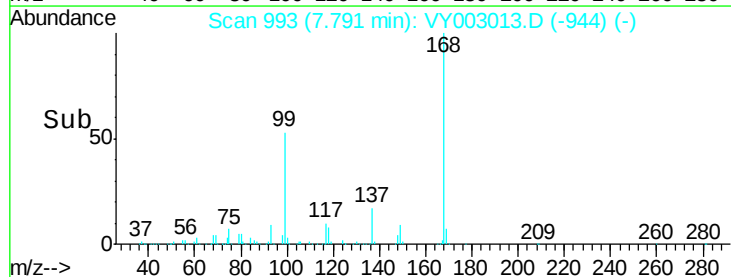
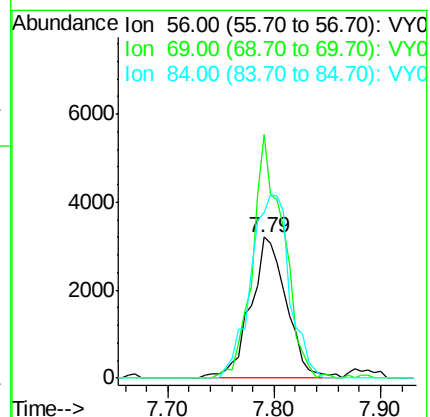
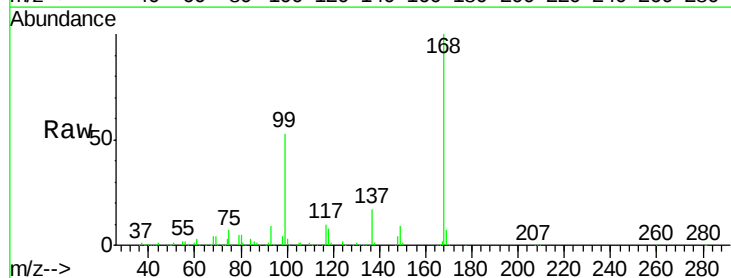
Tgt Ion: 56 Resp: 7614

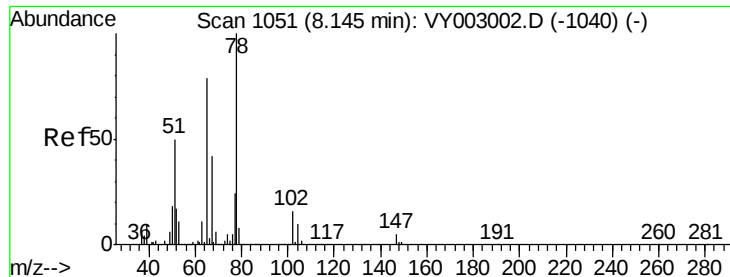
Ion Ratio Lower Upper

56 100

69 173.1 27.0 40.4#

84 117.7 68.1 102.1#

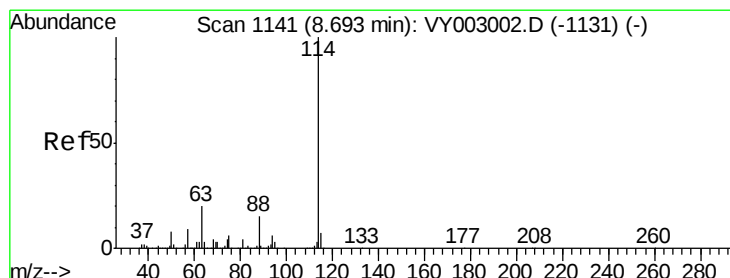
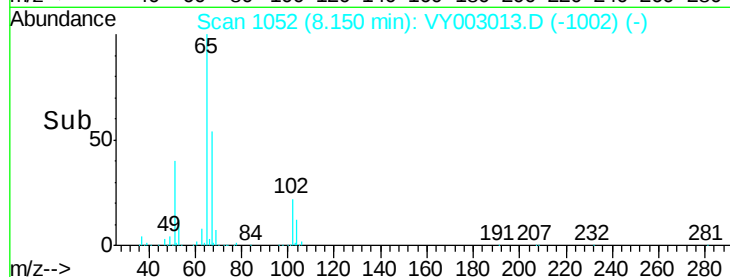
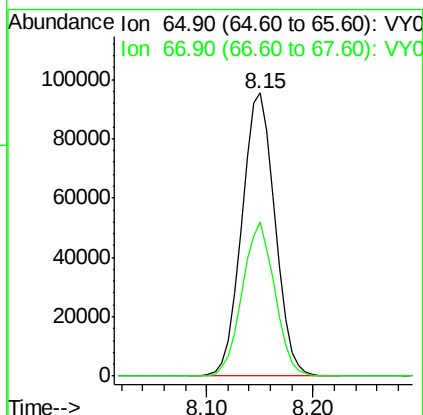
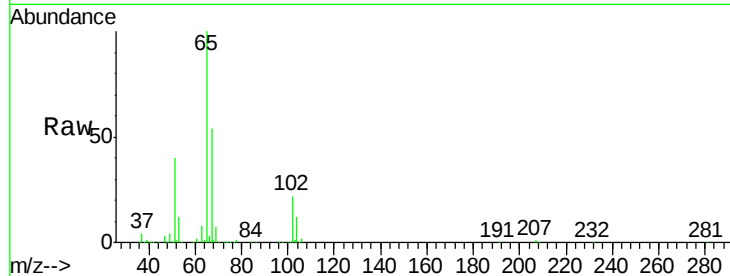




#33
 1,2-Dichloroethane-d4
 Concen: 58.779 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

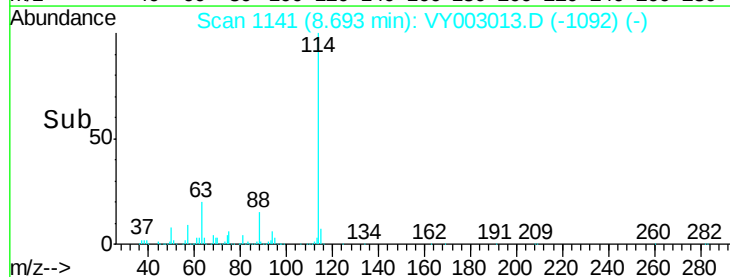
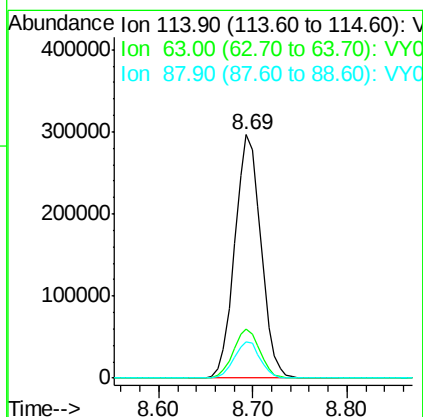
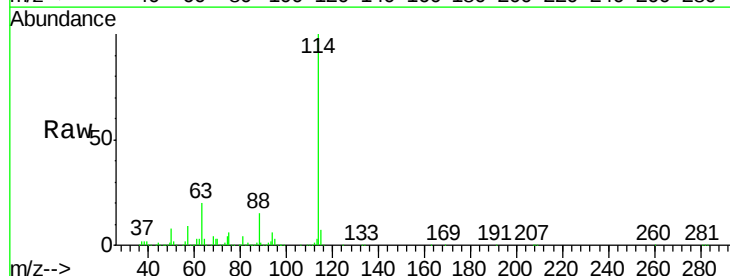
Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-01

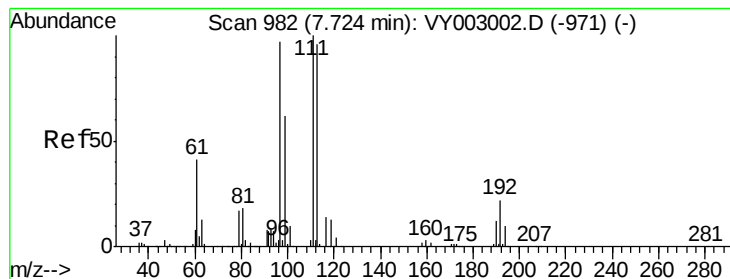
Tot Ion: 65 Resp: 208533
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

Tgt Ion: 114 Resp: 572017
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.6
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.602 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-01

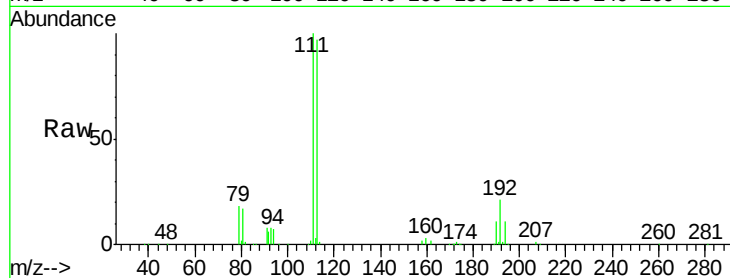
Tot Ion:113 Resp: 191270

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

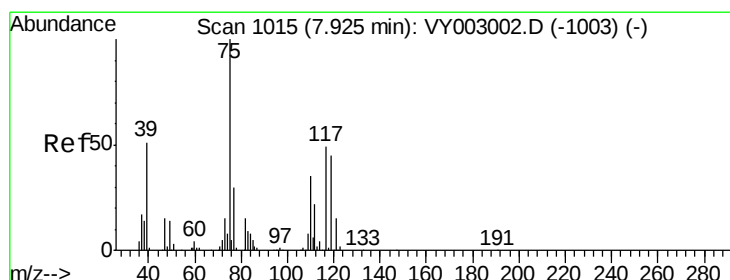
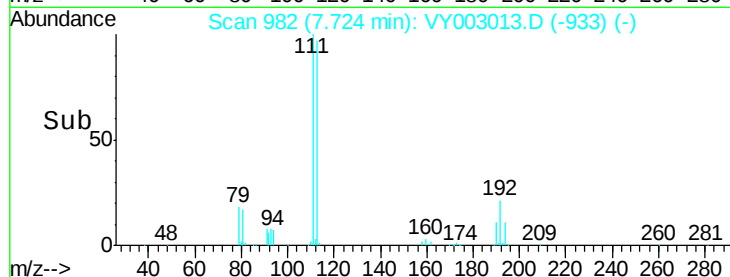
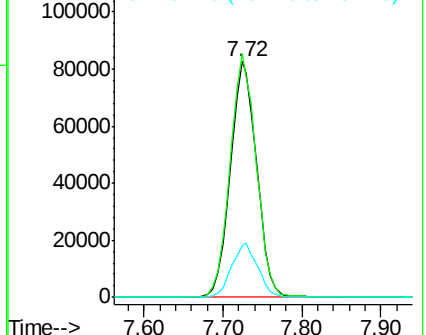
192 22.8 18.1 27.1



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: 4.396 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

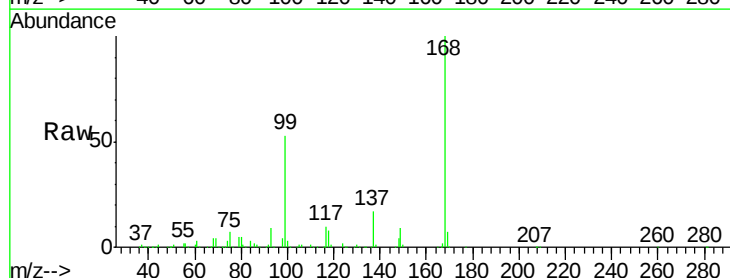
Tgt Ion: 75 Resp: 24221

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

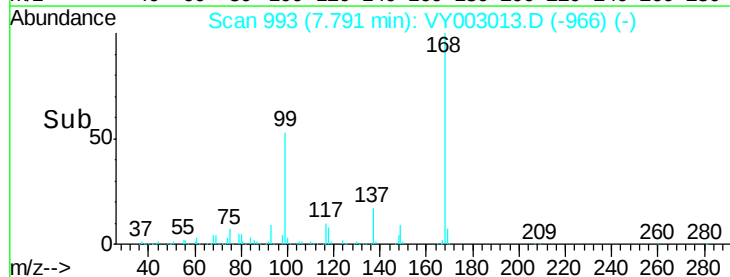
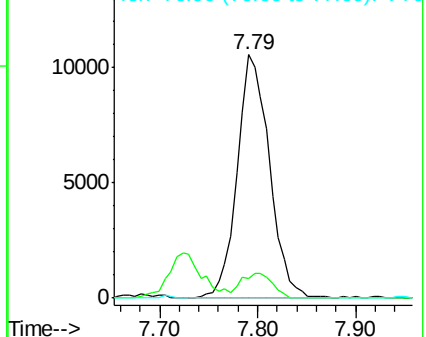
77 0.0 24.9 37.3#

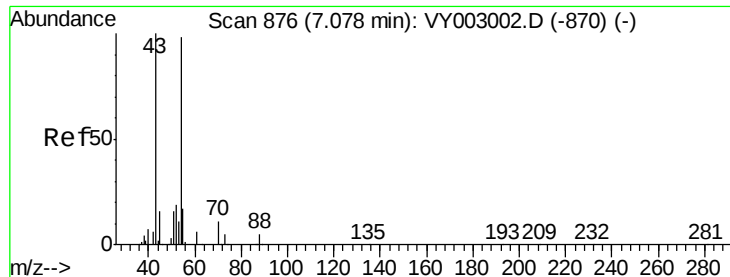


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 11.745 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.08 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-01

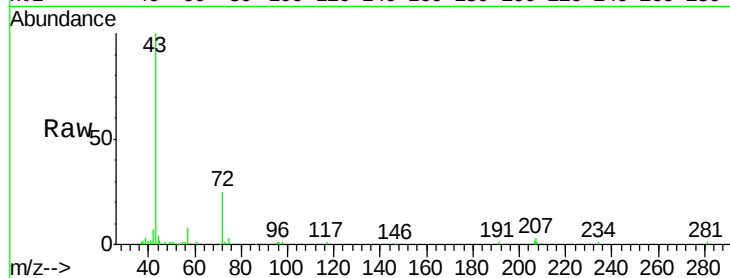
Tot Ion: 43 Resp: 38911

Ion Ratio Lower Upper

43 100

61 0.5 10.4 15.6#

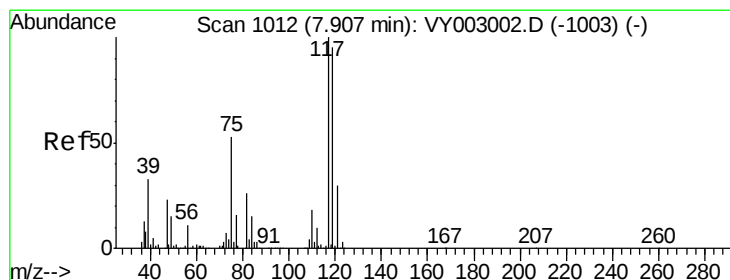
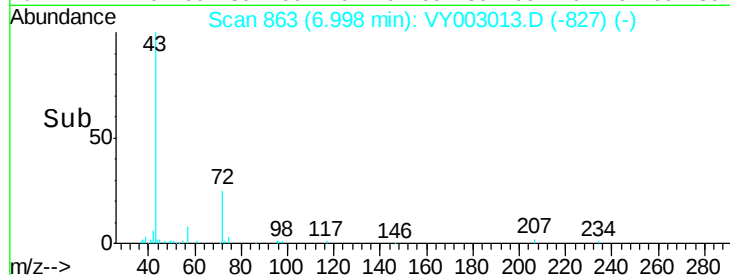
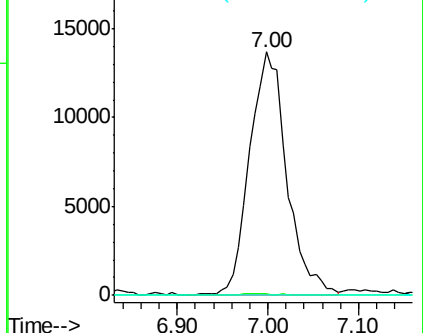
70 0.0 7.7 11.5#



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: 5.936 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

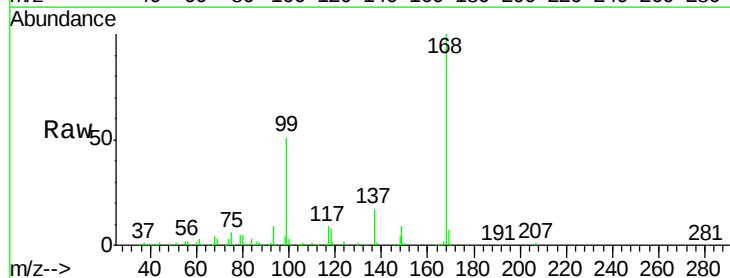
Tgt Ion: 117 Resp: 34032

Ion Ratio Lower Upper

117 100

119 6.2 75.7 113.5#

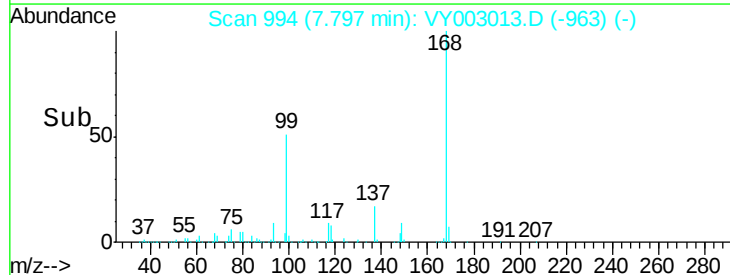
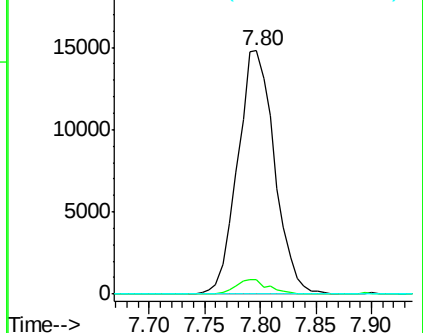
121 0.0 23.9 35.9#

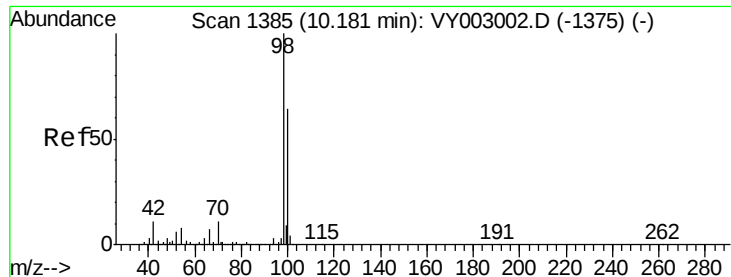


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.368 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

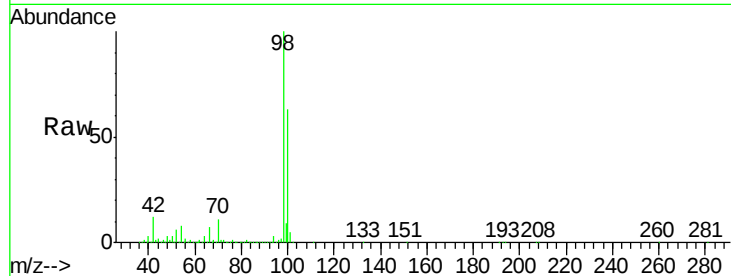
EPEC-POLYMERS-01

Tot Ion: 98 Resp: 696166

Ion Ratio Lower Upper

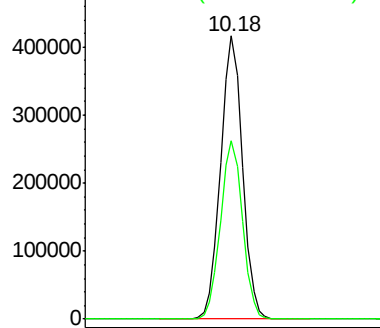
98 100

100 63.5 51.1 76.7

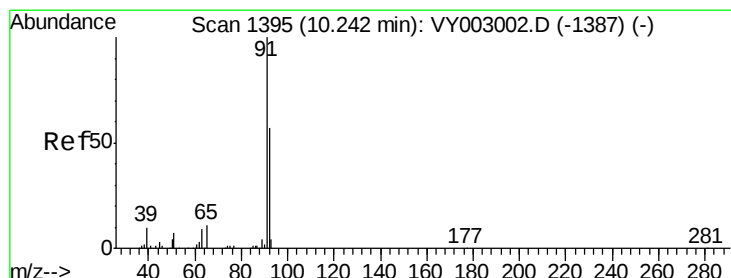
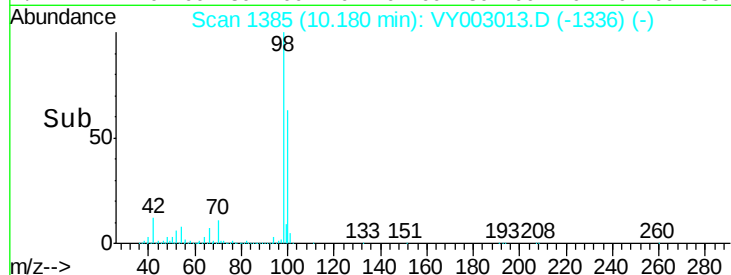


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



Time-->



#52

Toluene

Concen: 13.465 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003013.D

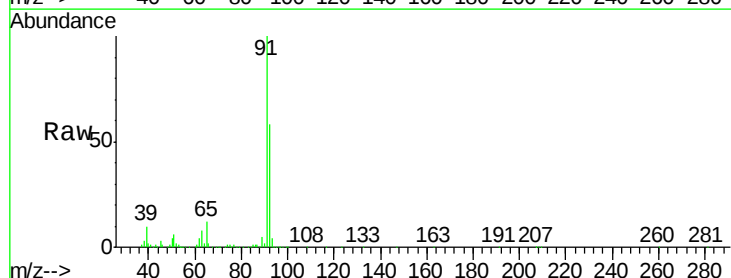
Acq: 29 Jun 2020 17:54

Tgt Ion: 92 Resp: 127865

Ion Ratio Lower Upper

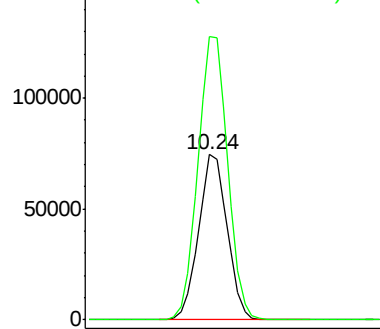
92 100

91 176.6 139.6 209.4

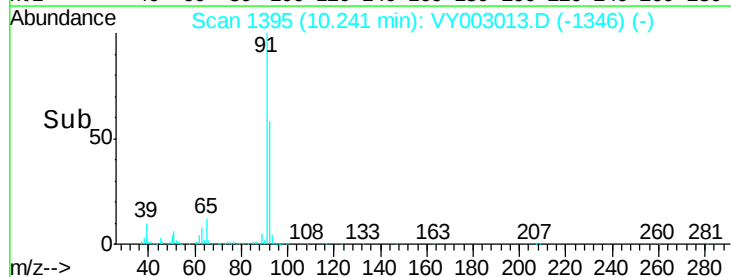


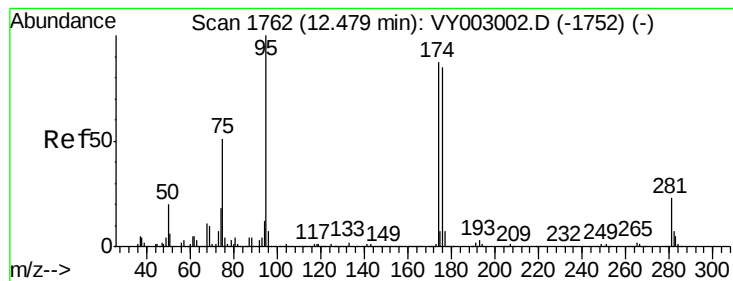
Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



Time-->





#62

4-Bromofluorobenzene

Concen: 52.964 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-01

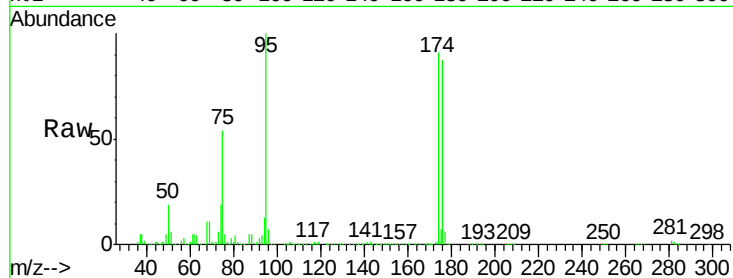
Tot Ion: 95 Resp: 247840

Ion Ratio Lower Upper

95 100

174 93.1 0.0 184.8

176 90.0 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003002.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003002.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003002.D (-1752) (-)

12.48

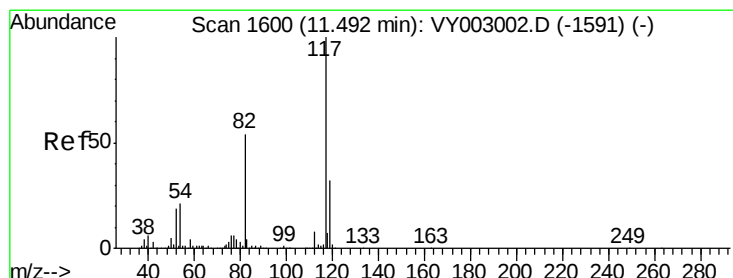
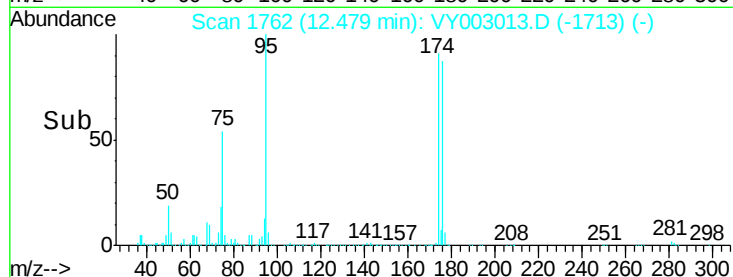
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

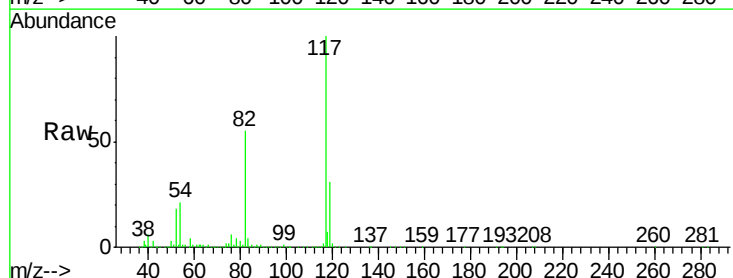
Tgt Ion: 117 Resp: 542771

Ion Ratio Lower Upper

117 100

82 55.0 43.0 64.6

119 31.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY003002.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003002.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003002.D (-1591) (-)

11.49

400000

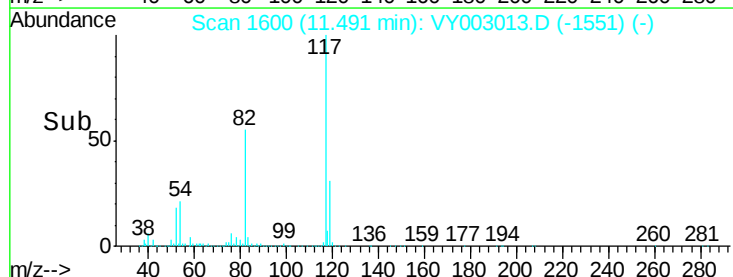
300000

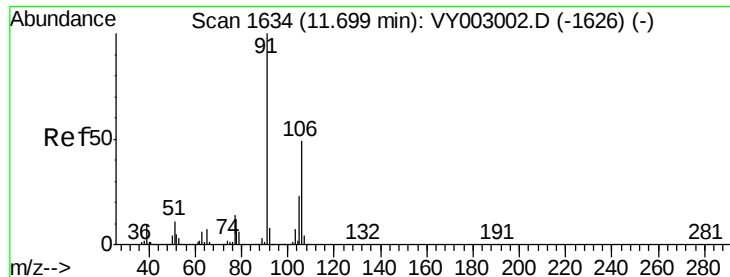
200000

100000

0

Time-->

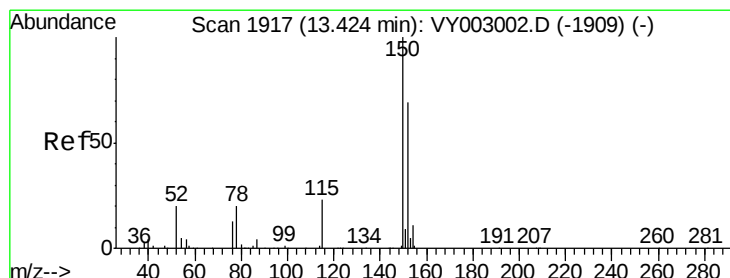
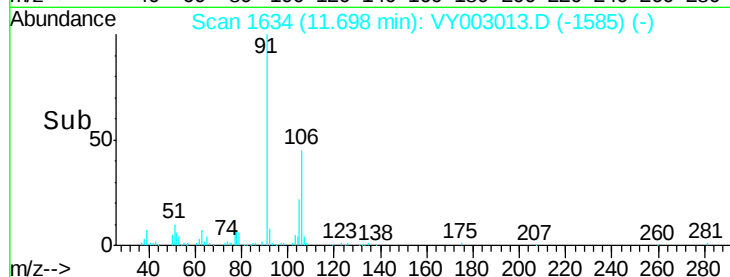
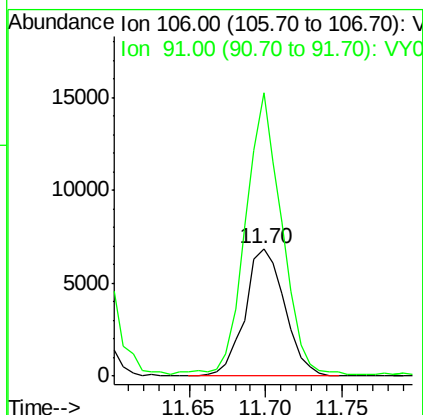
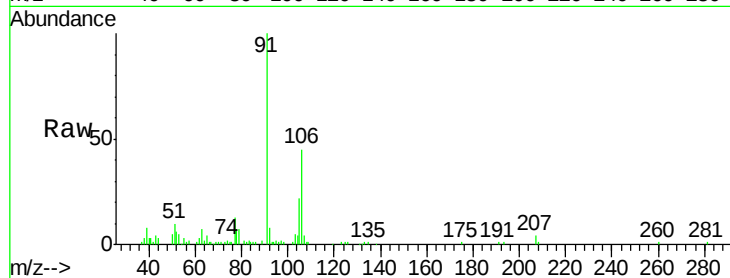




#68
m/p-Xvlenes
Concen: 1.690 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

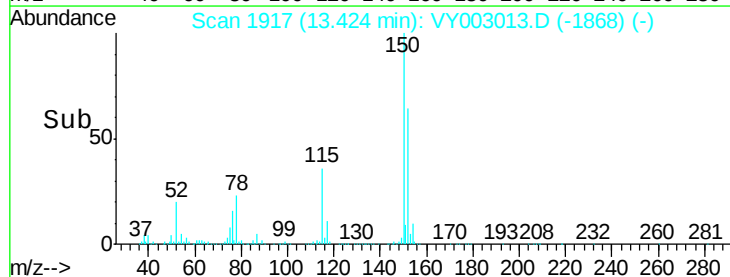
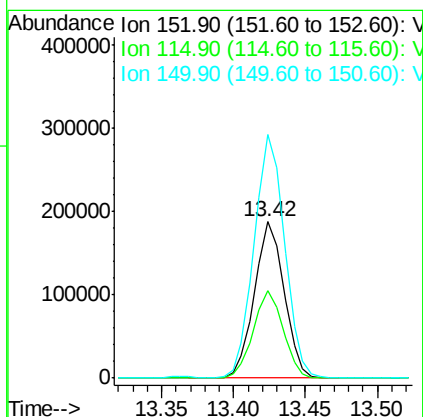
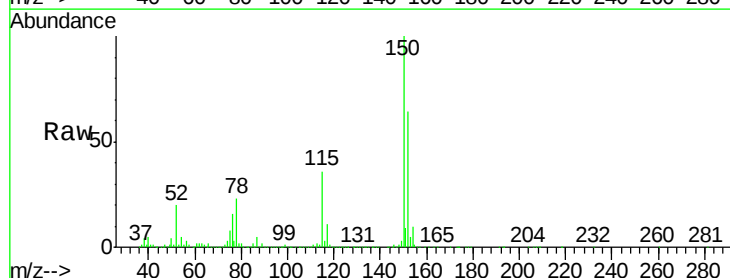
Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-01

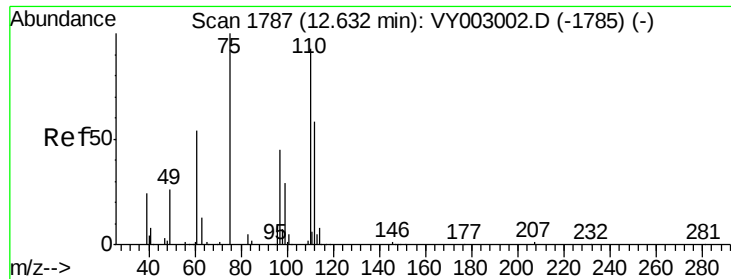
Tot Ion:106 Resp: 12316
Ion Ratio Lower Upper
106 100
91 201.4 161.9 242.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion:152 Resp: 268231
Ion Ratio Lower Upper
152 100
115 55.8 27.3 81.9
150 159.8 0.0 343.4

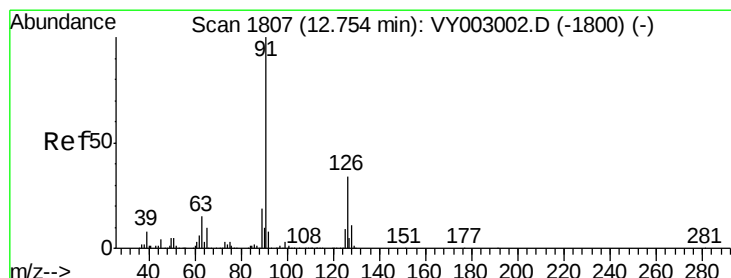
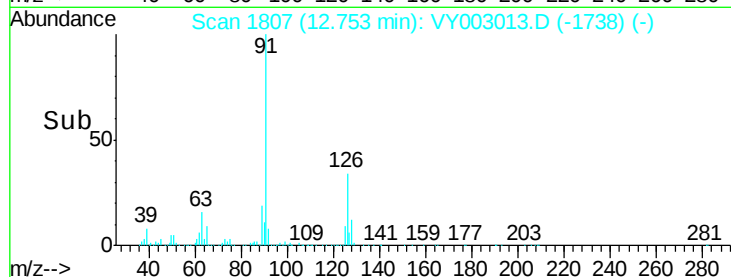
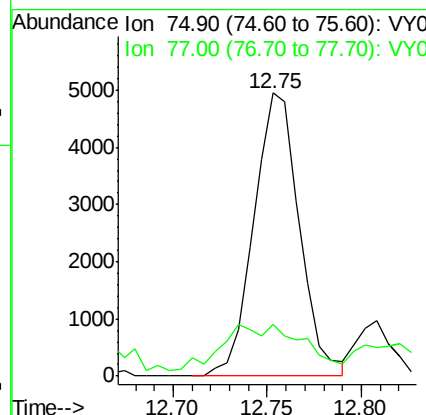
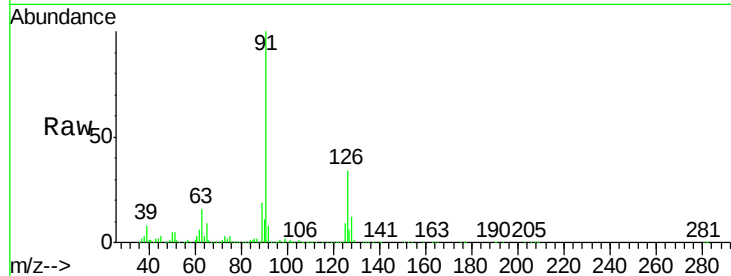




#76
 1,2,3-Trichloropropane
 Concen: 3.128 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.12 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

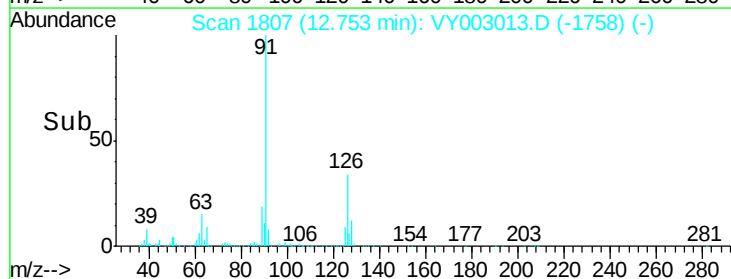
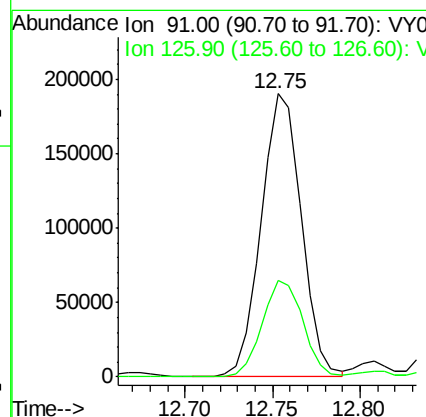
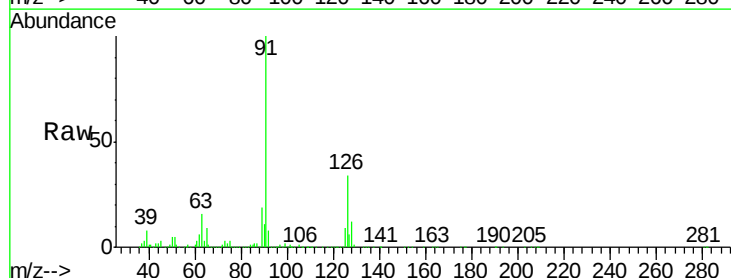
Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-01

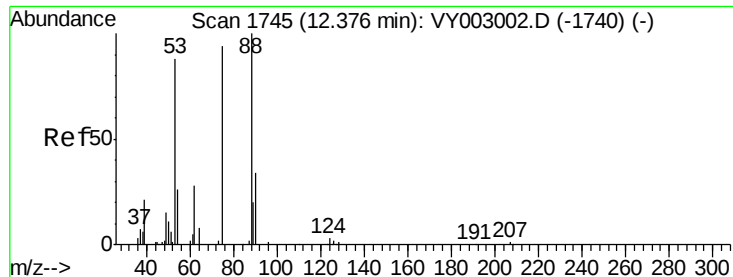
Tot Ion: 75 Resp: 8304
 Ion Ratio Lower Upper
 75 100
 77 14.9 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: 25.780 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

Tgt Ion: 91 Resp: 303800
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.1 51.3





#81

trans-1,4-Dichloro-2-butene

Concen: 95.353 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003013.D

Acq: 29 Jun 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

EPEC-POLYMERS-01

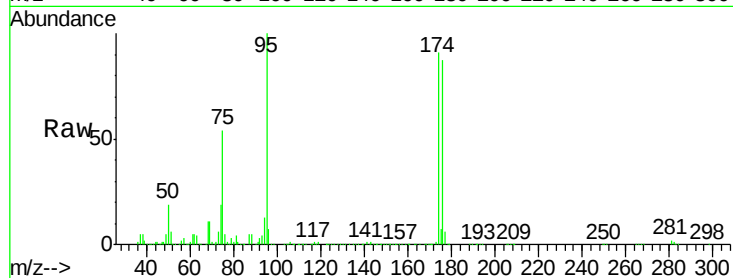
Tot Ion: 75 Resp: 130105

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

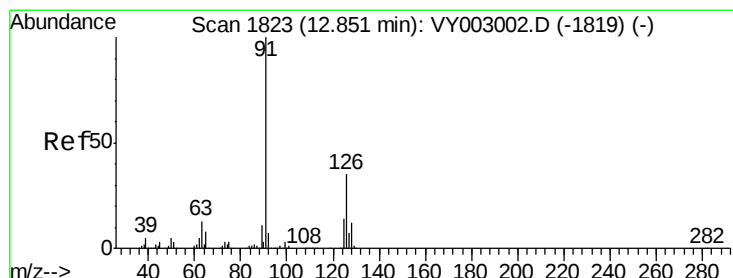
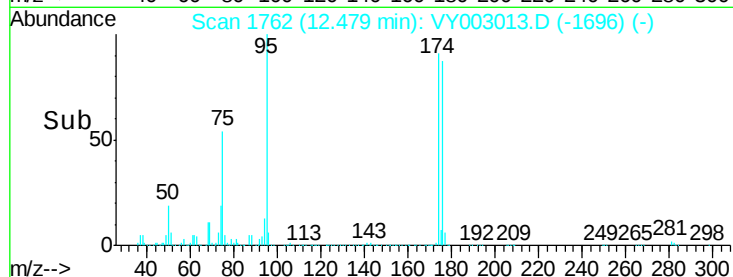
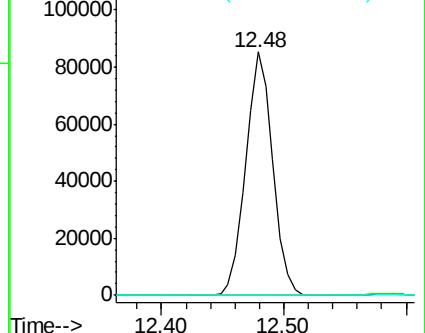
89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 11.500 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003013.D

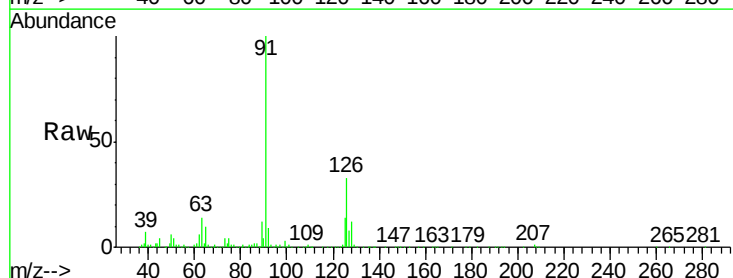
Acq: 29 Jun 2020 17:54

Tgt Ion: 91 Resp: 141100

Ion Ratio Lower Upper

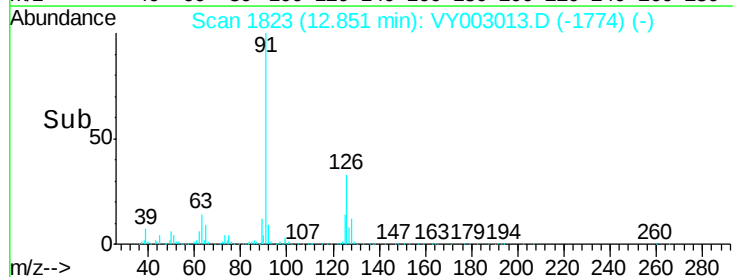
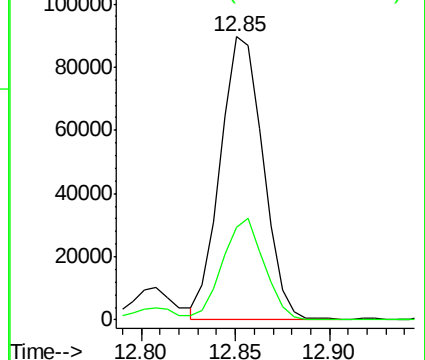
91 100

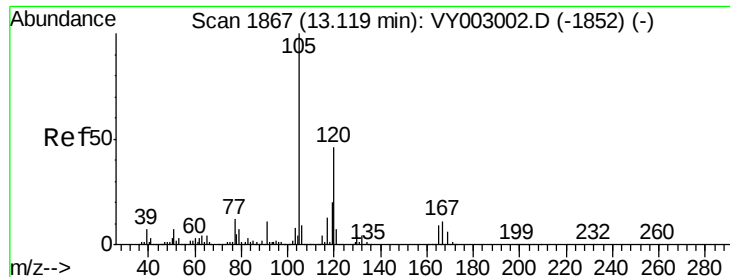
126 35.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

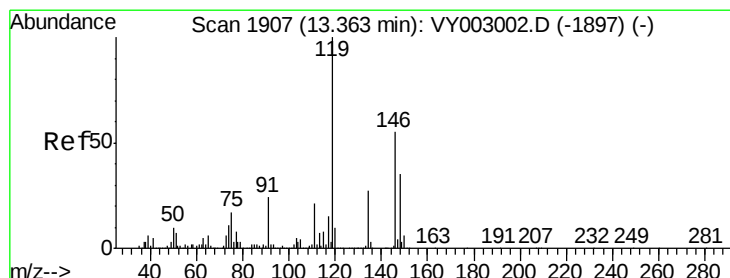
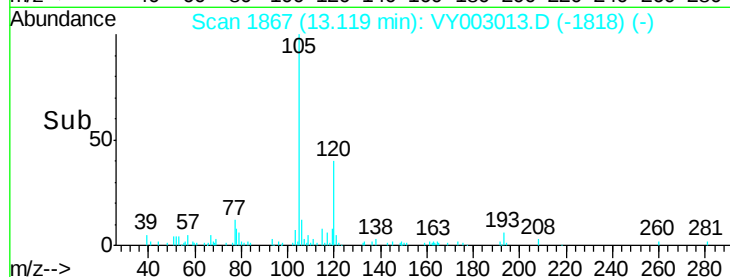
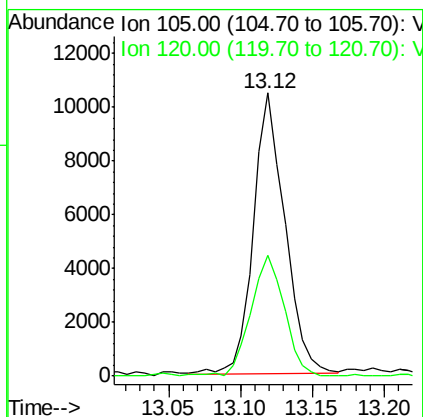
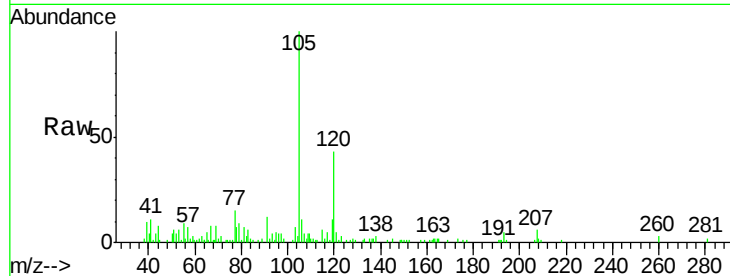




#84
 1,2,4-Trimethylbenzene
 Concen: 1.062 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

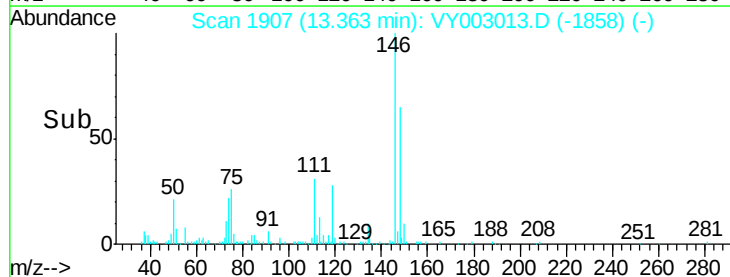
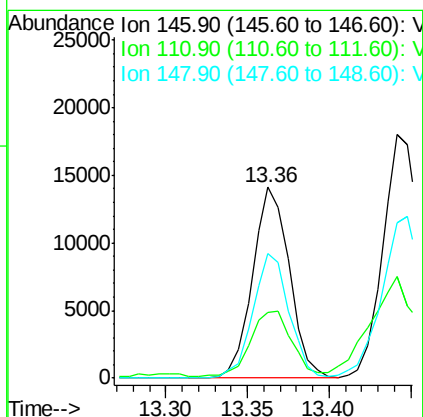
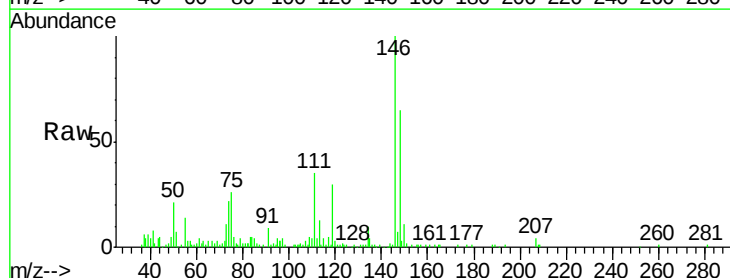
Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-01

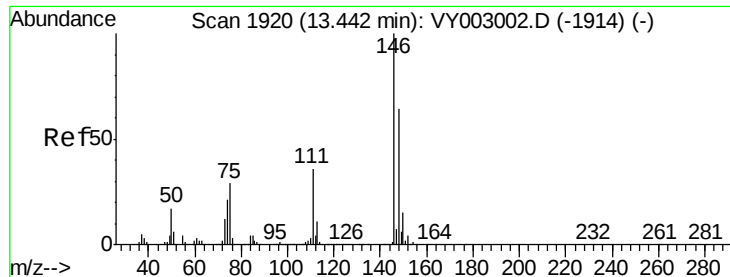
Tot Ion:105 Resp: 15758
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.6 67.8



#87
 1,3-Dichlorobenzene
 Concen: 2.637 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

Tgt Ion:146 Resp: 22163
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.8 56.3
 148 64.2 31.8 95.3

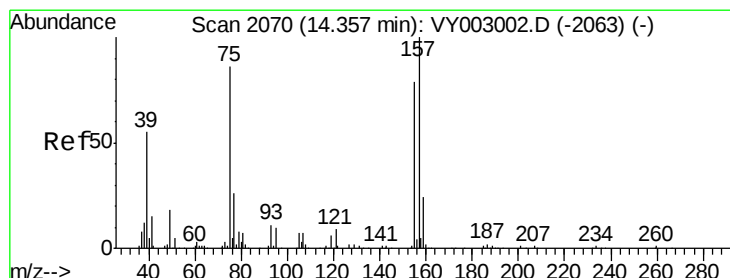
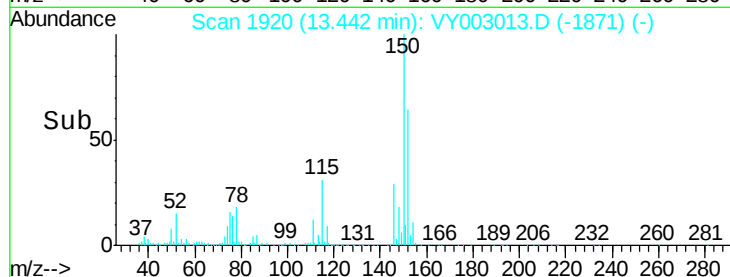
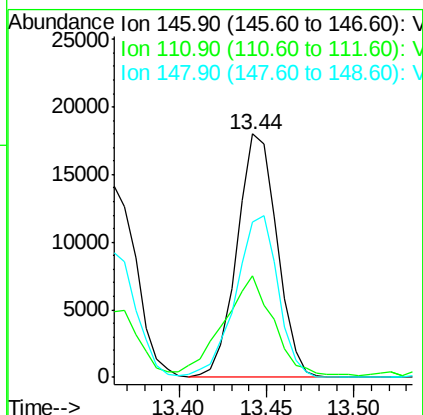
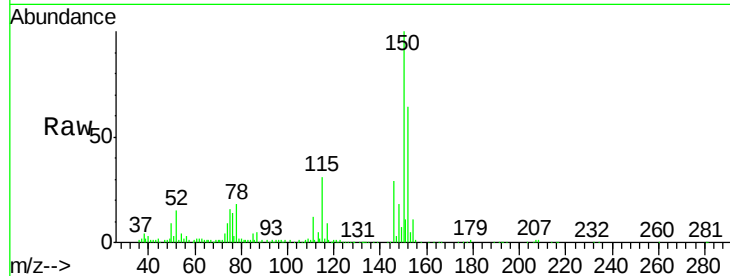




#88
 1,4-Dichlorobenzene
 Concen: 3.457 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

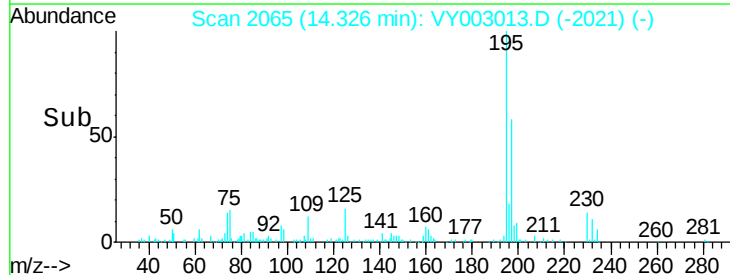
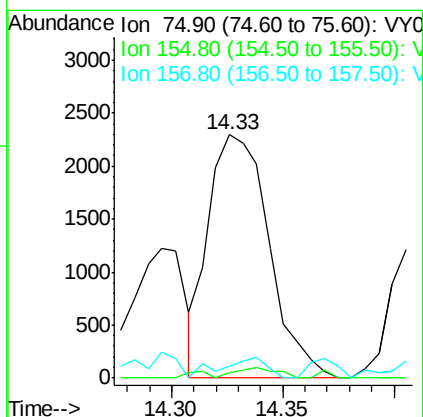
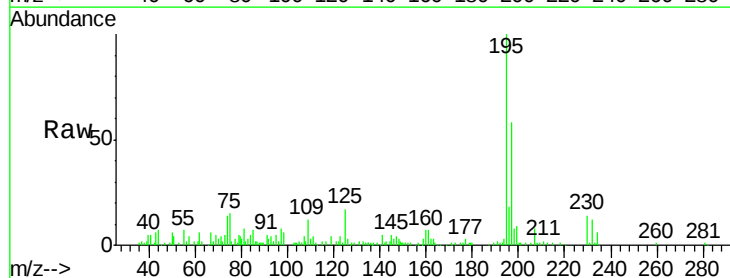
Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-01

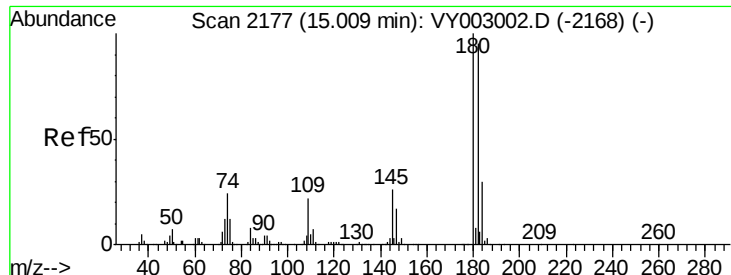
Tot Ion:146 Resp: 28643
 Ion Ratio Lower Upper
 146 100
 111 49.9 18.4 55.4
 148 70.3 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.914 ug/l
 RT: 14.33 min Scan# 2065
 Delta R.T. -0.03 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

Tgt Ion: 75 Resp: 4336
 Ion Ratio Lower Upper
 75 100
 155 1.0 46.5 139.3#
 157 0.0 59.2 177.5#

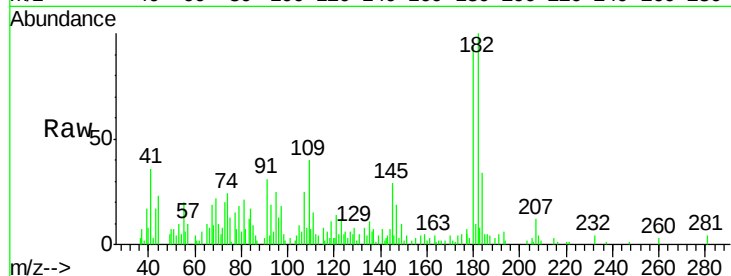




#93
 1,2,4-Trichlorobenzene
 Concen: 1.374 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003013.D
 Acq: 29 Jun 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 EPEC-POLYMERS-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.1	144.3
145	24.9	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

