

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070620\
 Data File : VX017168.D
 Acq On : 06 Jul 2020 15:17
 Operator : JC/SP
 Sample : L3148-04ME
 Misc : 4.26g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EPEC-POLYMERS-04ME

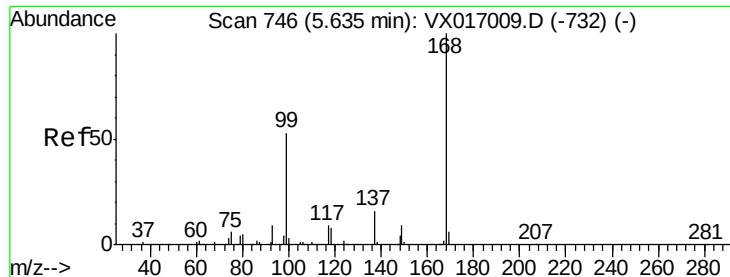
Quant Time: Jul 06 16:19:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	261749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	413940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	250744	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	158457	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
35) Dibromofluoromethane	5.46	113	132747	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	8.70	98	497311	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.12	95	215057	56.82	ug/l	0.00
Spiked Amount			Recovery	=	113.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	5003	4.145	ug/l	98
17) Carbon Disulfide	2.53	76	6031	0.857	ug/l #	94
18) Methyl Acetate	2.76	43	27665	8.779	ug/l	97
20) Methylene Chloride	2.83	84	3840	0.614	ug/l	90
25) 2-Butanone	4.67	43	4414	2.194	ug/l	92
39) Methylcyclohexane	7.43	83	1351	0.310	ug/l #	87
40) Benzene	6.10	78	5690	0.495	ug/l #	88
52) Toluene	8.76	92	30395	4.235	ug/l	99
65) Chlorobenzene	10.12	112	97968	11.726	ug/l	100
67) Ethyl Benzene	10.24	91	22088	1.583	ug/l	98
68) m/p-Xylenes	10.34	106	20650	3.855	ug/l	92
69) o-Xylene	10.68	106	127307	24.980	ug/l	99
73) Isopropylbenzene	11.00	105	5923	0.361	ug/l	78
79) 2-Chlorotoluene	11.41	91	10783916	959.381	ug/l	98
82) 4-Chlorotoluene	11.50	91	4487529	333.961	ug/l	92
84) 1,2,4-Trimethylbenzene	11.79	105	13562	0.981	ug/l	95
86) p-Isopropyltoluene	12.05	119	27081	1.851	ug/l	92
87) 1,3-Dichlorobenzene	12.01	146	147597	18.004	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	89159	11.384	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	7271	0.949	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	7672	1.467	ug/l	94
95) Naphthalene	13.82	128	55453	3.487	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

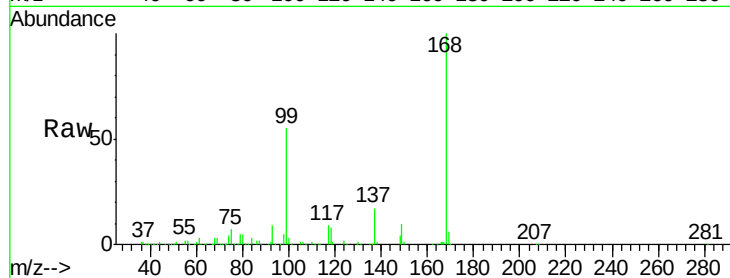
EPEC-POLYMERS-04ME

Tot Ion:168 Resp: 261749

Ion Ratio Lower Upper

168 100

99 55.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

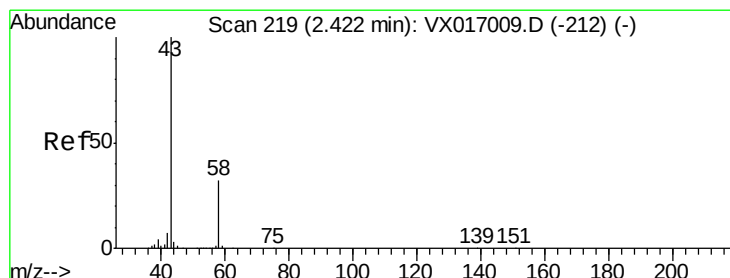
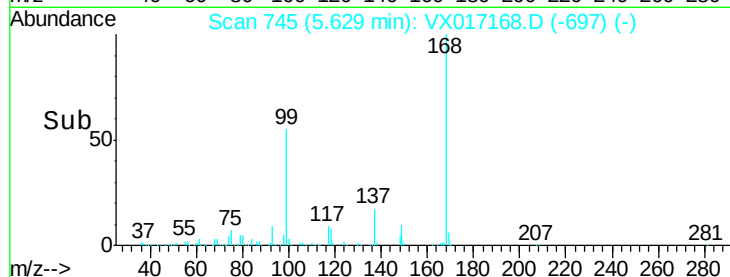
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 4.145 ug/l

RT: 2.45 min Scan# 223

Delta R.T. 0.02 min

Lab File: VX017168.D

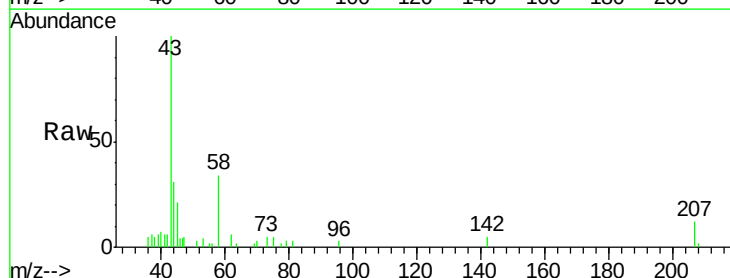
Acq: 06 Jul 2020 15:17

Tgt Ion: 43 Resp: 5003

Ion Ratio Lower Upper

43 100

58 31.2 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

3000

2500

2000

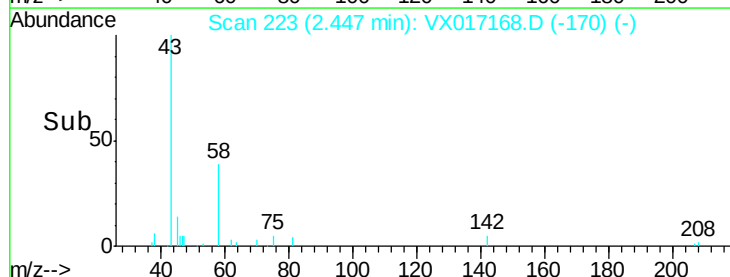
1500

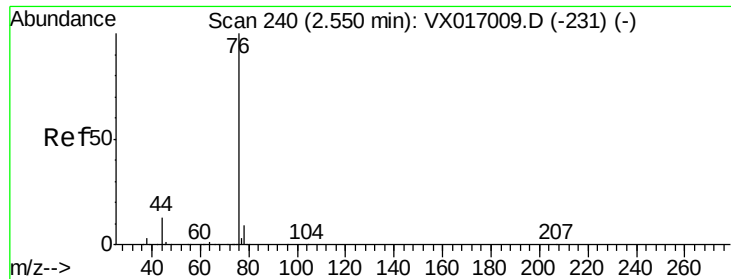
1000

500

0

Time-->

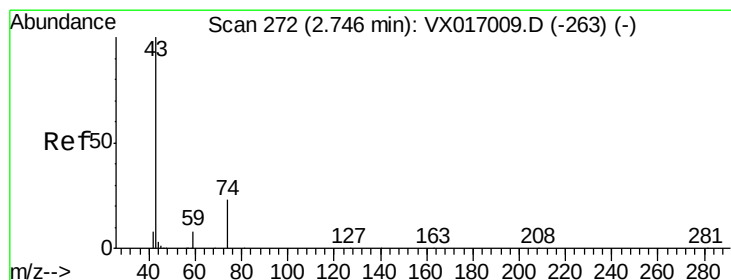
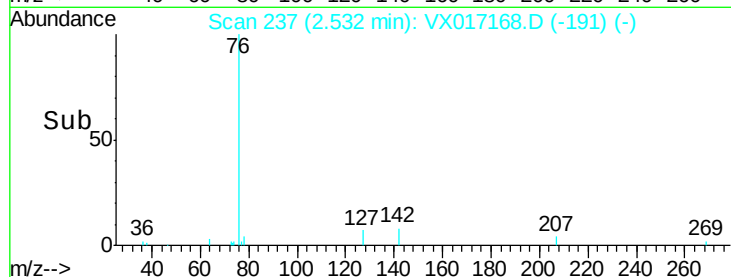
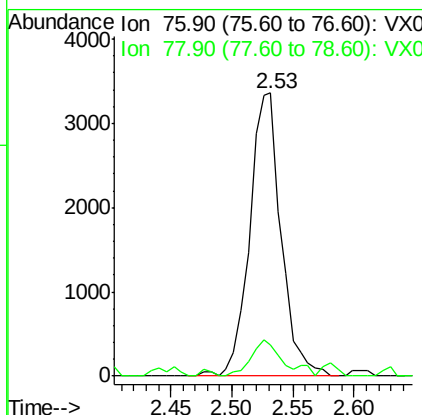
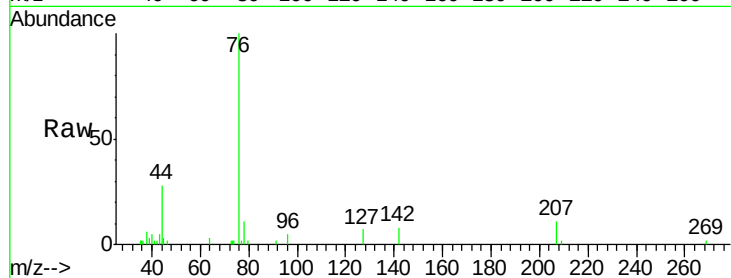




#17
Carbon Disulfide
Concen: 0.857 ug/l
RT: 2.53 min Scan# 237
Delta R.T. -0.02 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

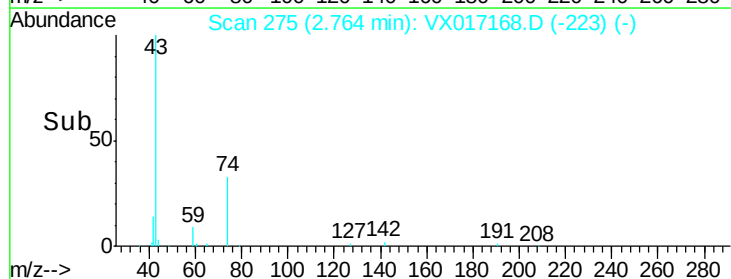
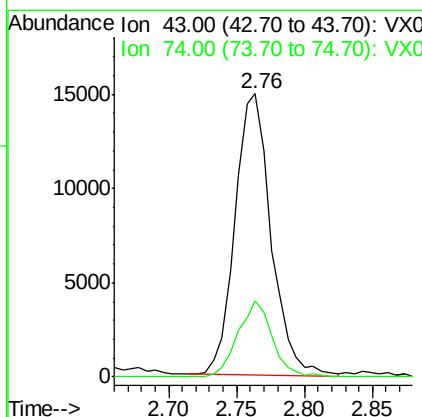
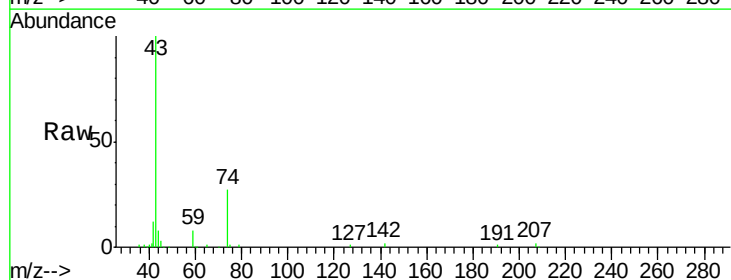
Instrument :
MSVOA_X
ClientSampleId :
EPEC-POLYMERS-04ME

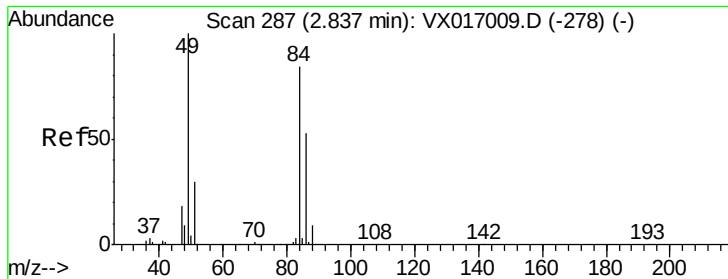
Tot Ion: 76 Resp: 6031
Ion Ratio Lower Upper
76 100
78 11.1 7.2 10.8#



#18
Methyl Acetate
Concen: 8.779 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

Tgt Ion: 43 Resp: 27665
Ion Ratio Lower Upper
43 100
74 25.8 19.3 28.9

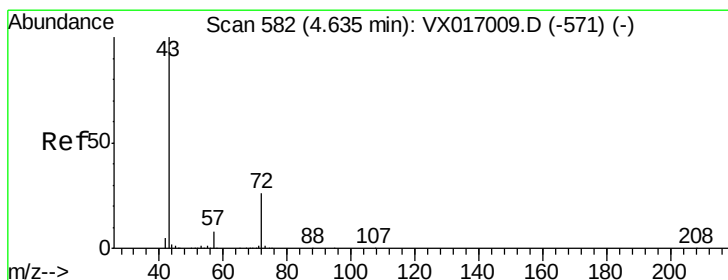
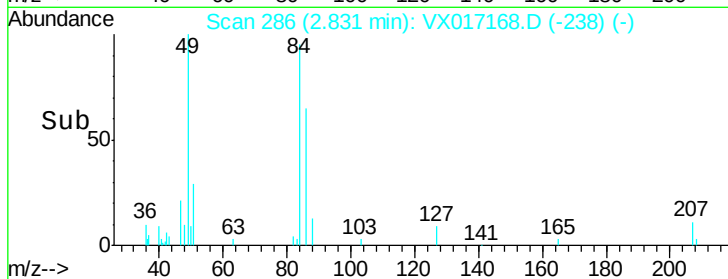
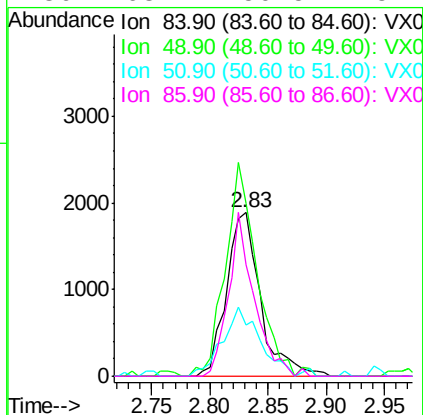
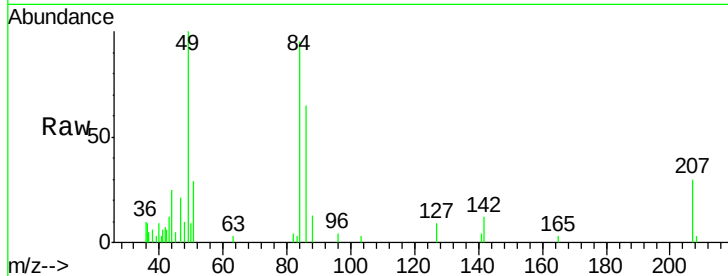




#20
Methvlene Chloride
Concen: 0.614 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

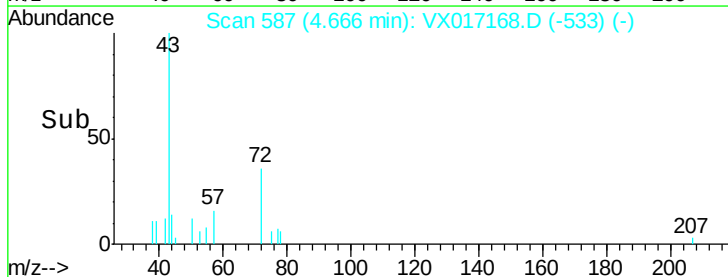
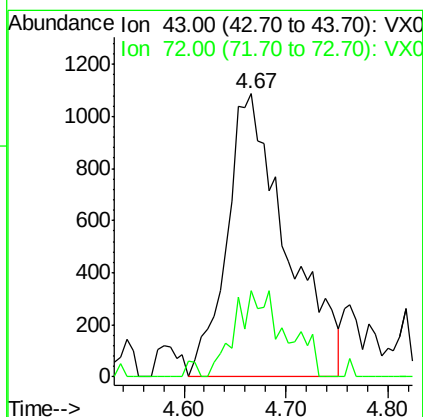
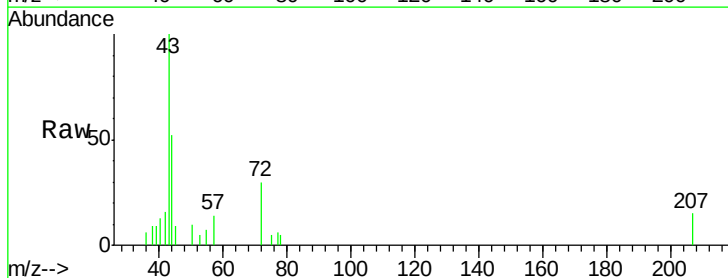
Instrument :
MSVOA_X
ClientSampleId :
EPEC-POLYMERS-04ME

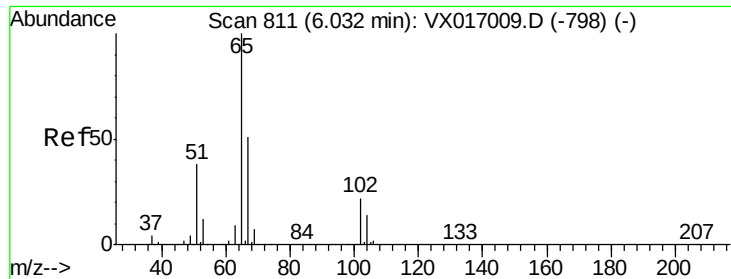
Tot Ion: 84 Resp: 3840
Ion Ratio Lower Upper
84 100
49 105.8 94.7 142.1
51 31.0 28.6 42.8
86 68.4 50.5 75.7



#25
2-Butanone
Concen: 2.194 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.03 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

Tgt Ion: 43 Resp: 4414
Ion Ratio Lower Upper
43 100
72 30.3 20.8 31.2

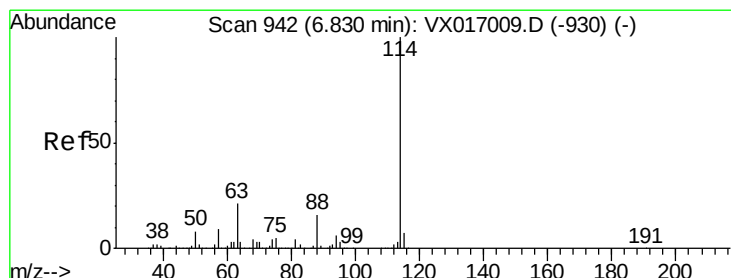
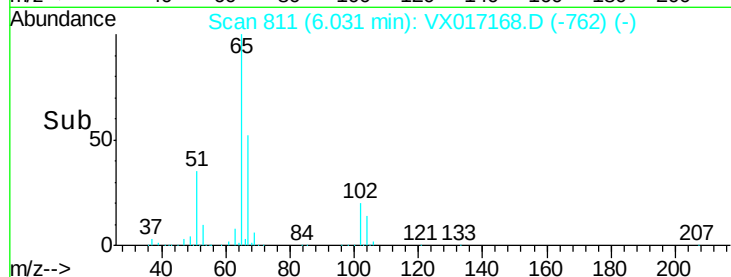
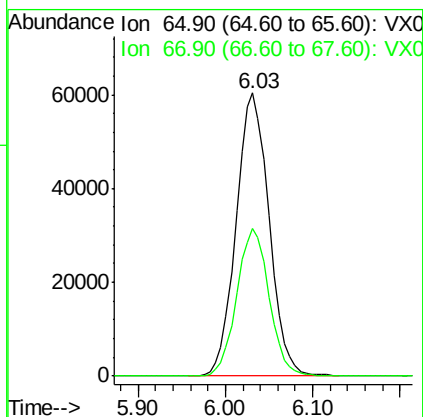
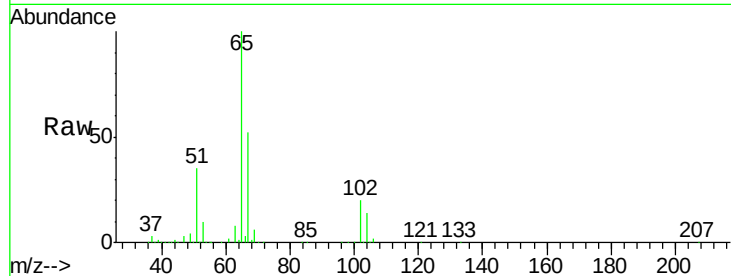




#33
 1,2-Dichloroethane-d4
 Concen: 49.106 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017168.D
 Acq: 06 Jul 2020 15:17

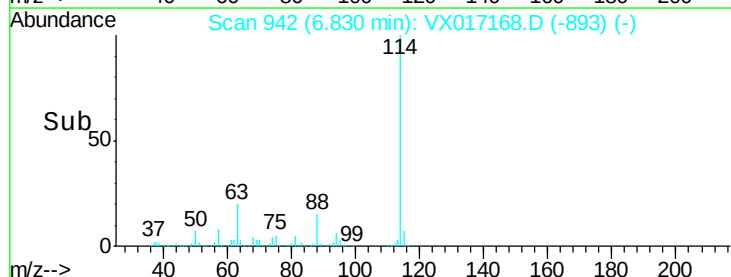
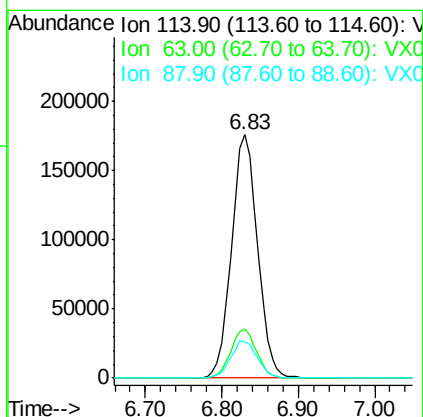
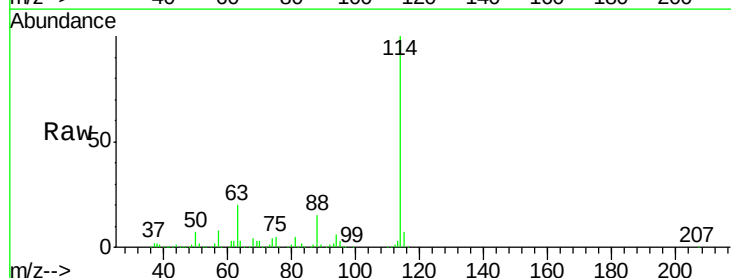
Instrument :
 MSVOA_X
 ClientSampleId :
 EPEC-POLYMERS-04ME

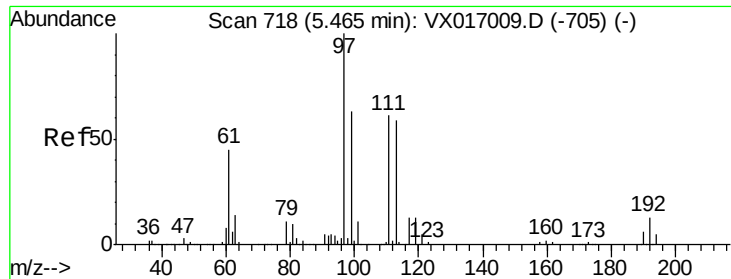
Tot Ion: 65 Resp: 158457
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017168.D
 Acq: 06 Jul 2020 15:17

Tgt Ion: 114 Resp: 413940
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 14.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.697 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

EPEC-POLYMERS-04ME

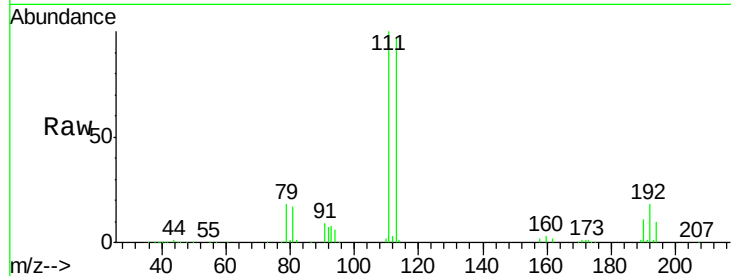
Tot Ion:113 Resp: 132747

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

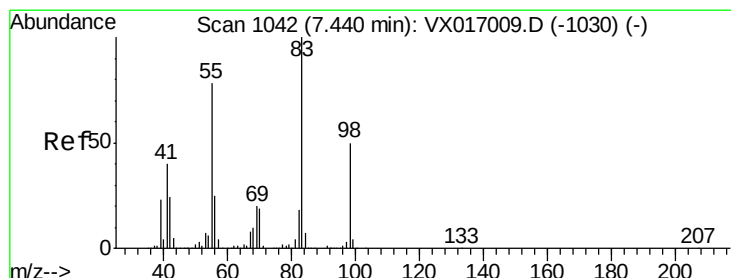
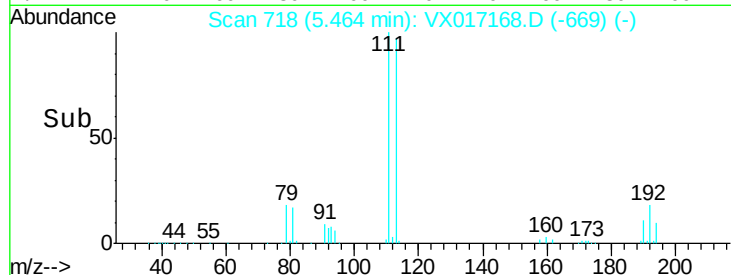
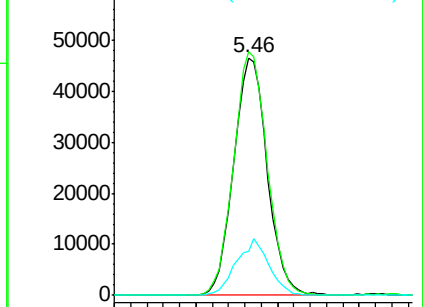
192 22.9 16.7 25.1



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



#39

Methylcyclohexane

Concen: 0.310 ug/l

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

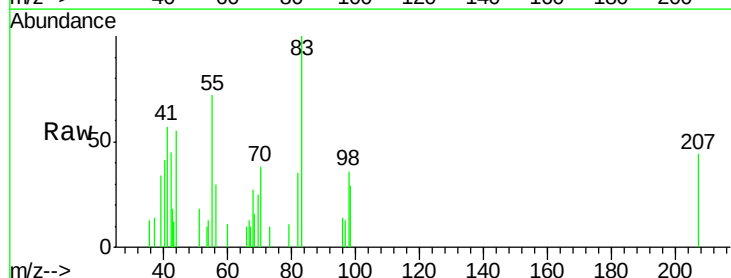
Tgt Ion: 83 Resp: 1351

Ion Ratio Lower Upper

83 100

55 71.8 62.5 93.7

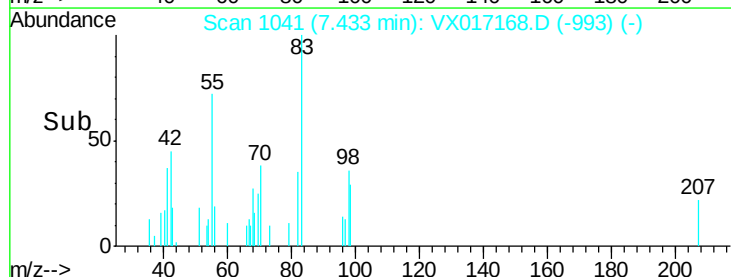
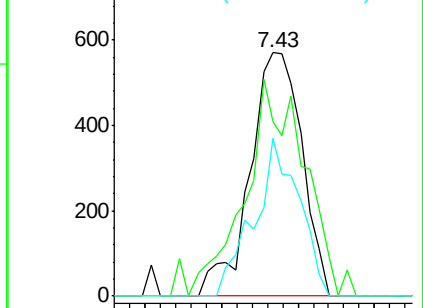
98 65.0 40.1 60.1#

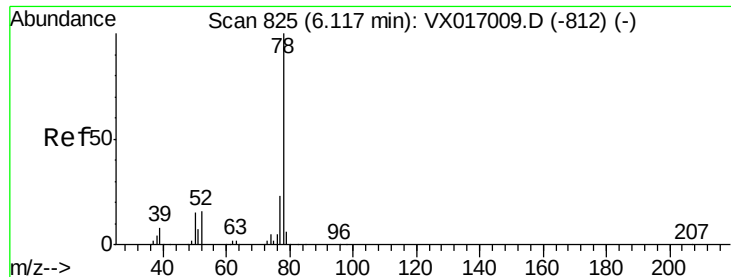


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.495 ug/l

RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

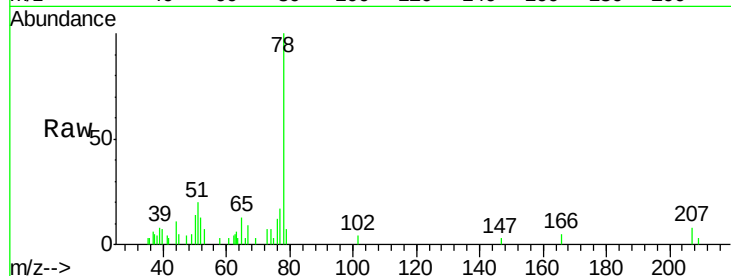
EPEC-POLYMERS-04ME

Tot Ion: 78 Resp: 5690

Ion Ratio Lower Upper

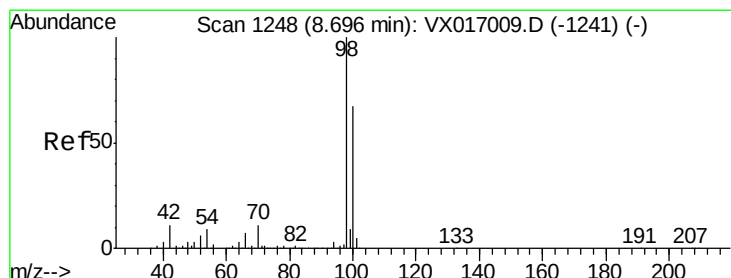
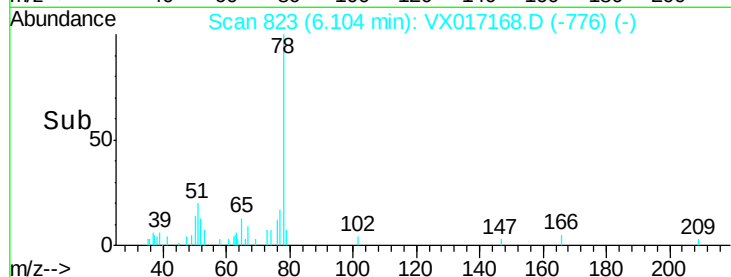
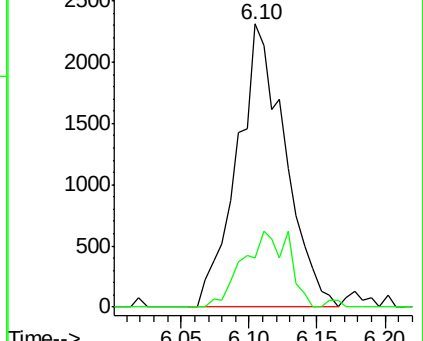
78 100

77 17.3 18.3 27.5#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.362 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017168.D

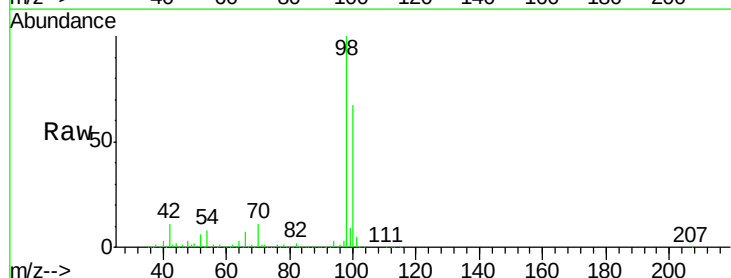
Acq: 06 Jul 2020 15:17

Tgt Ion: 98 Resp: 497311

Ion Ratio Lower Upper

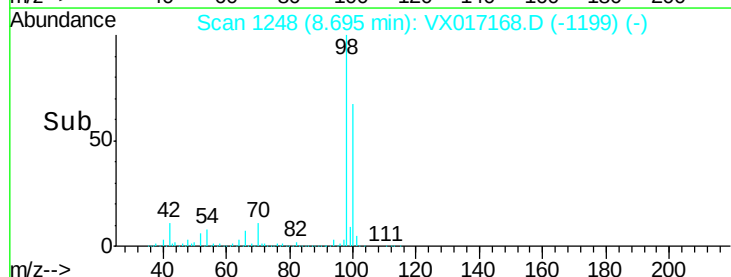
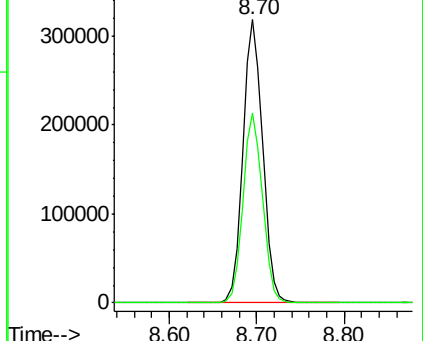
98 100

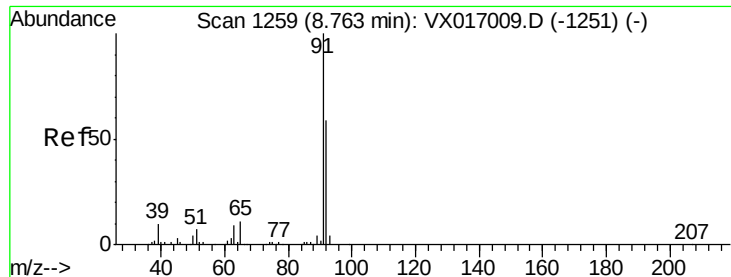
100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 4.235 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

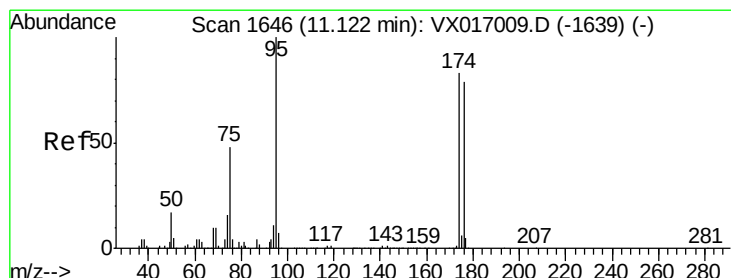
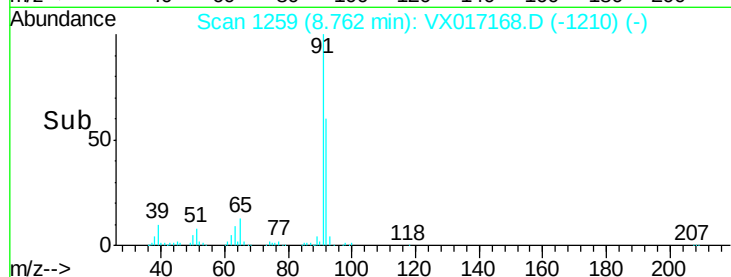
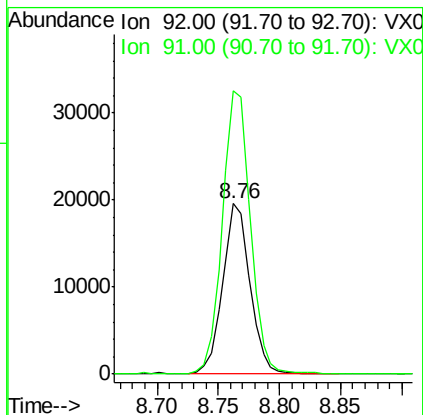
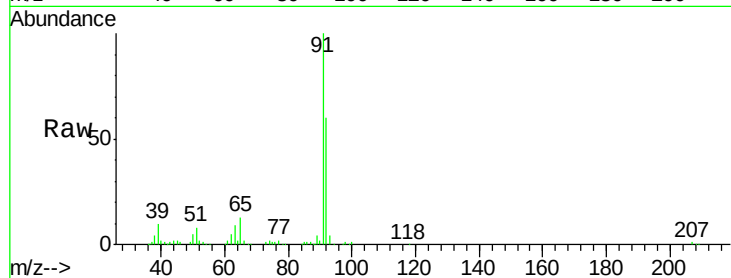
EPEC-POLYMERS-04ME

Tot Ion: 92 Resp: 30395

Ion Ratio Lower Upper

92 100

91 169.7 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 56.818 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

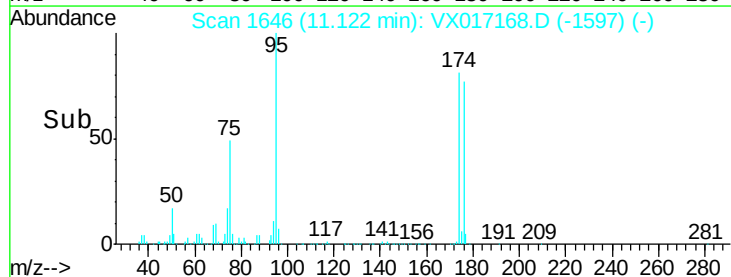
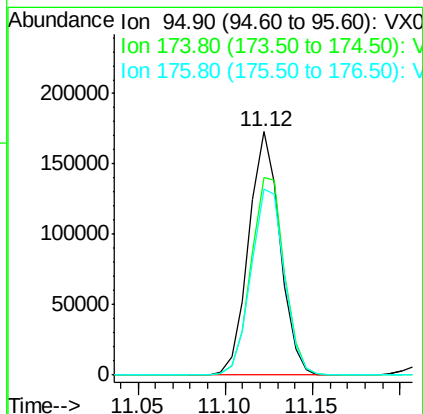
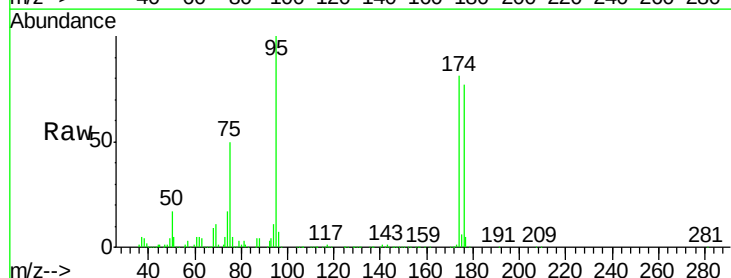
Tgt Ion: 95 Resp: 215057

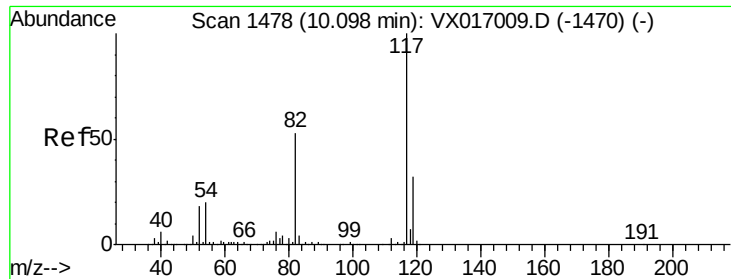
Ion Ratio Lower Upper

95 100

174 86.1 0.0 164.0

176 81.5 0.0 157.6

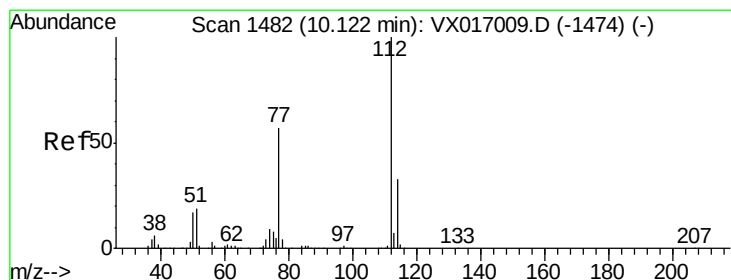
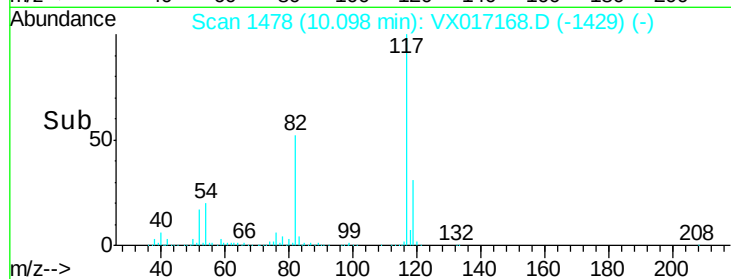
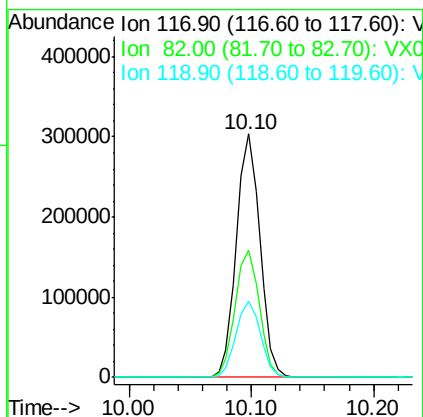
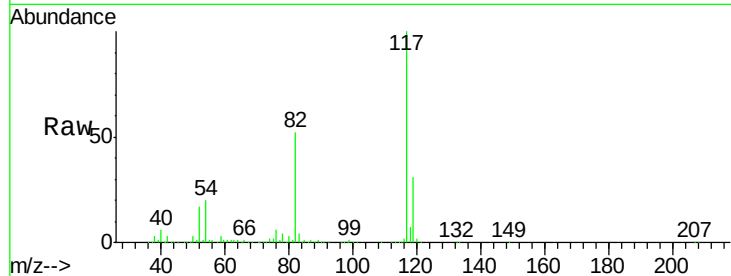




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

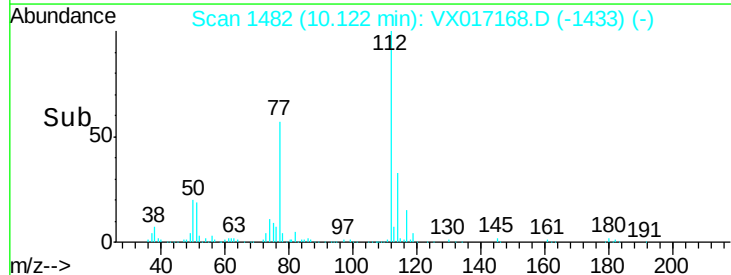
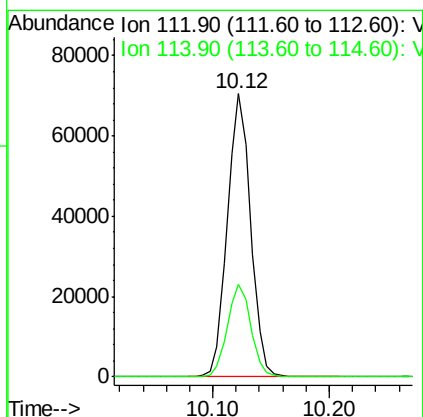
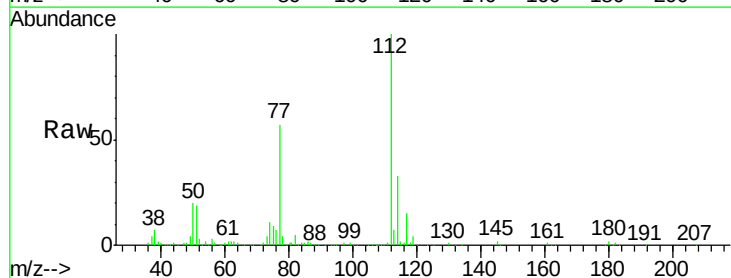
Instrument :
MSVOA_X
ClientSampleId :
EPEC-POLYMERS-04ME

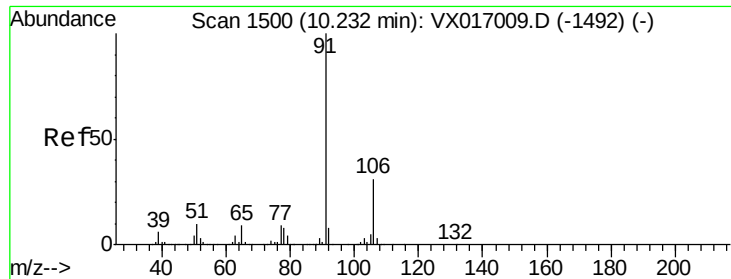
Tot Ion:117 Resp: 404788
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 31.4 25.4 38.2



#65
Chlorobenzene
Concen: 11.726 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

Tgt Ion:112 Resp: 97968
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4





#67

Ethyl Benzene

Concen: 1.583 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

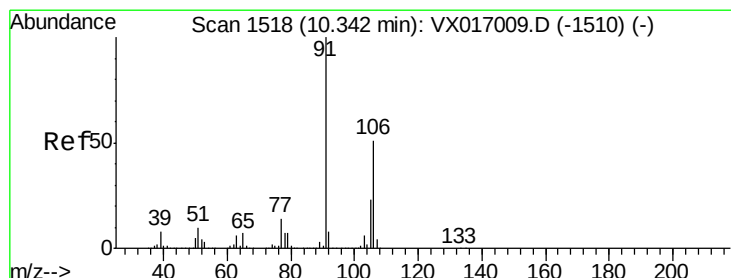
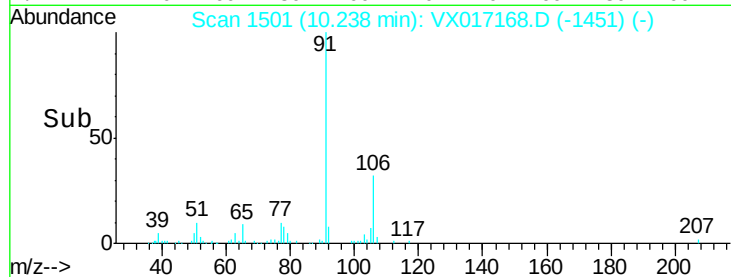
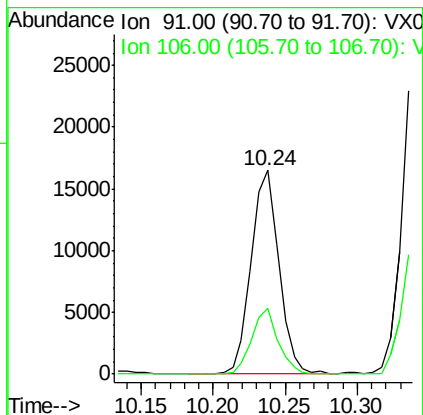
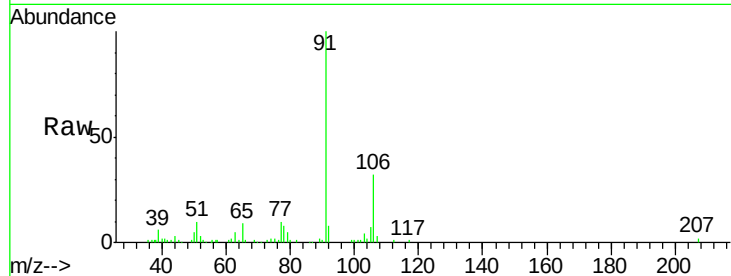
EPEC-POLYMERS-04ME

Tot Ion: 91 Resp: 22088

Ion Ratio Lower Upper

91 100

106 32.1 24.7 37.1



#68

m/p-Xylenes

Concen: 3.855 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017168.D

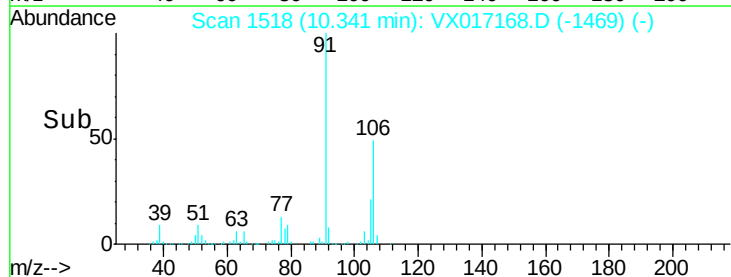
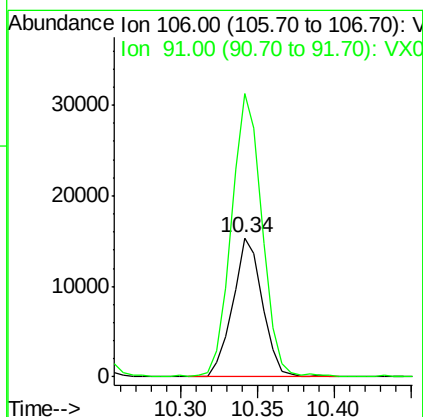
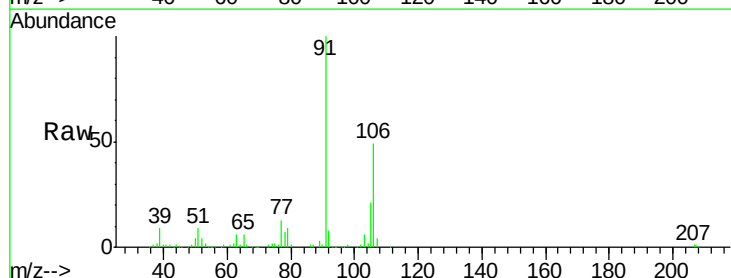
Acq: 06 Jul 2020 15:17

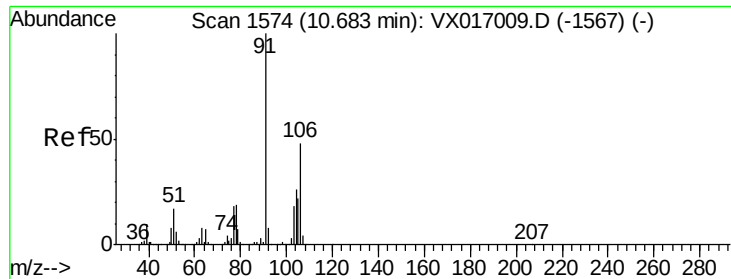
Tgt Ion: 106 Resp: 20650

Ion Ratio Lower Upper

106 100

91 210.2 158.6 238.0

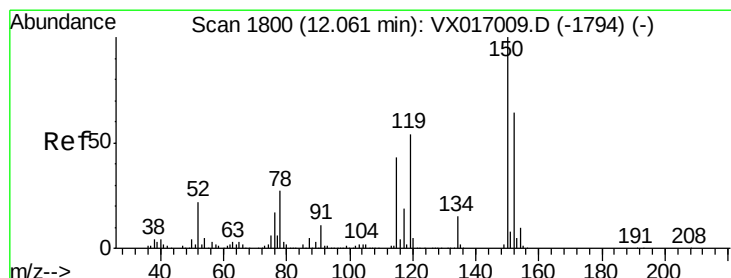
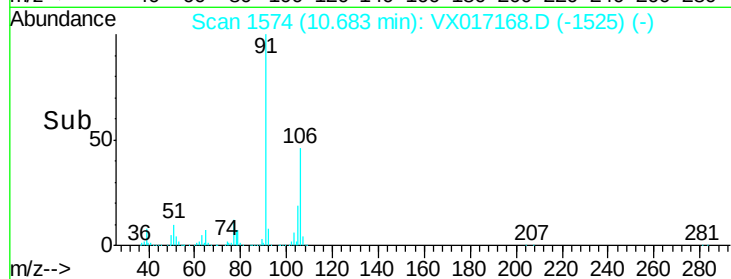
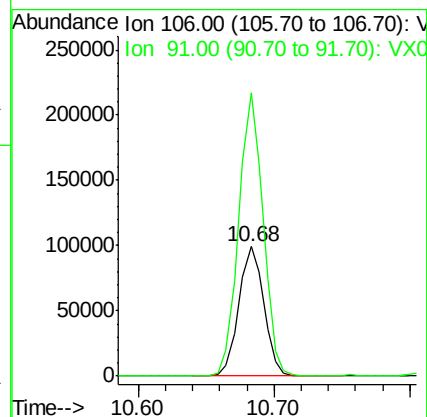
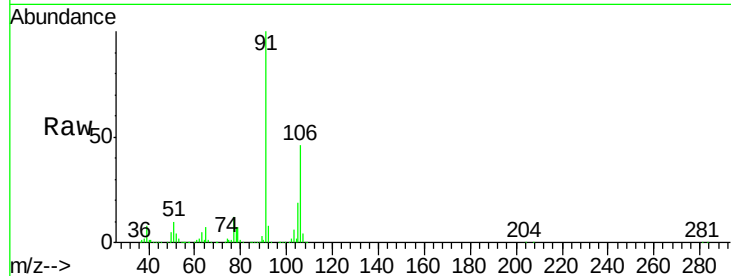




#69
o-Xylene
Concen: 24.980 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

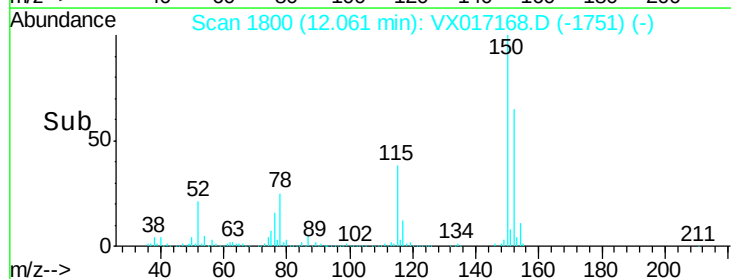
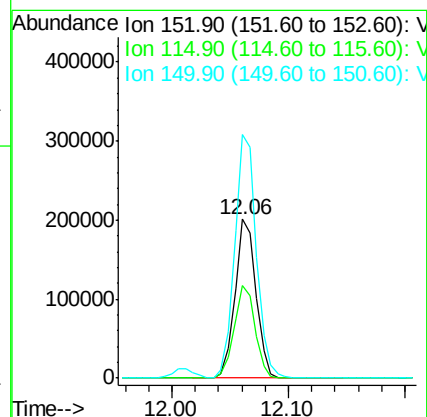
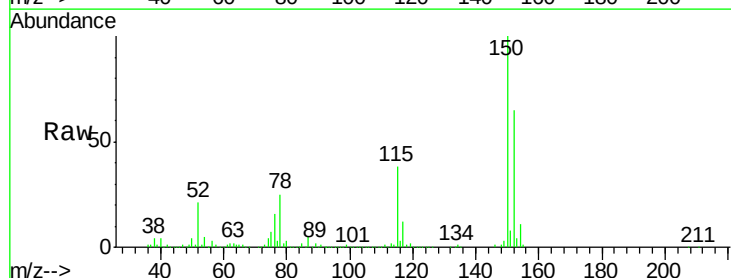
Instrument :
MSVOA_X
ClientSampleId :
EPEC-POLYMERS-04ME

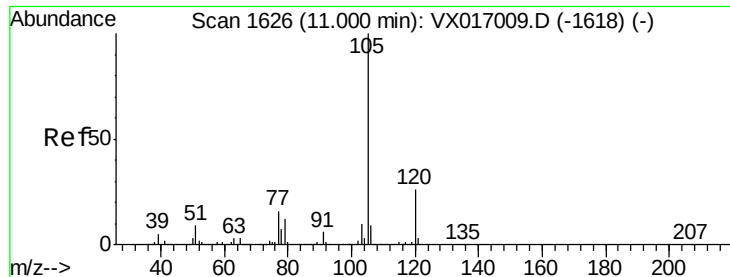
Tot Ion:106 Resp: 127307
Ion Ratio Lower Upper
106 100
91 212.8 105.6 316.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017168.D
Acq: 06 Jul 2020 15:17

Tgt Ion:152 Resp: 250744
Ion Ratio Lower Upper
152 100
115 58.5 40.9 122.7
150 158.9 0.0 351.6





#73

Isopropylbenzene

Concen: 0.361 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

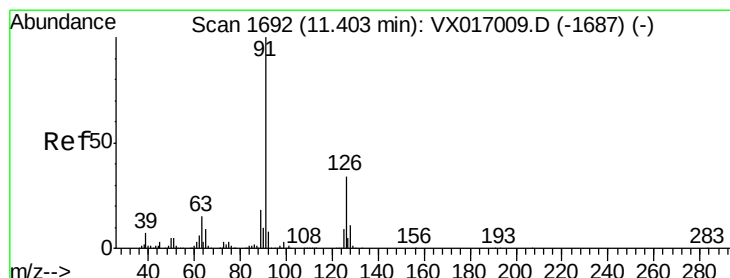
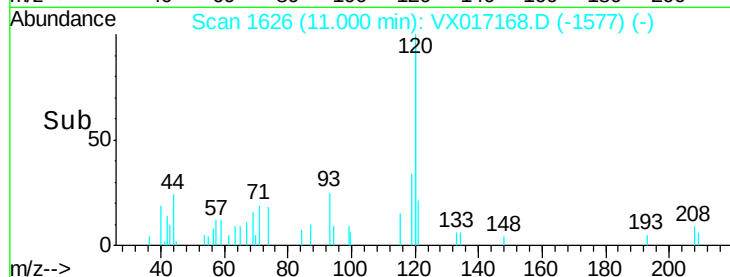
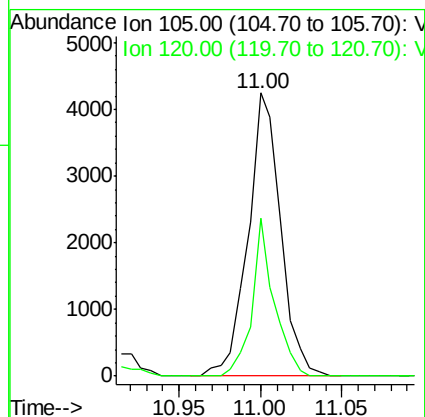
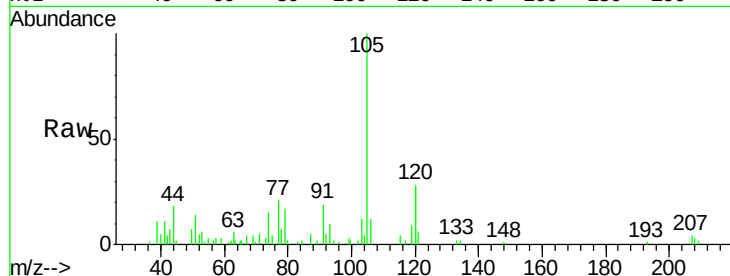
EPEC-POLYMERS-04ME

Tot Ion:105 Resp: 5923

Ion Ratio Lower Upper

105 100

120 38.0 13.4 40.2



#79

2-Chlorotoluene

Concen: 959.381 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX017168.D

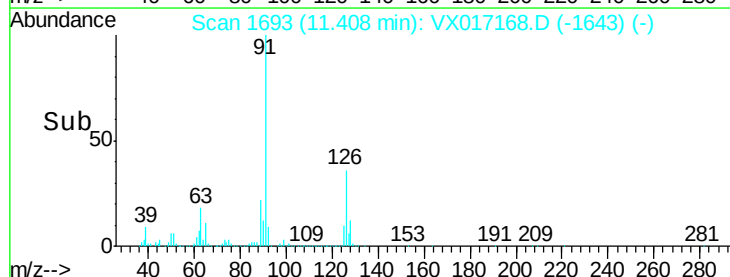
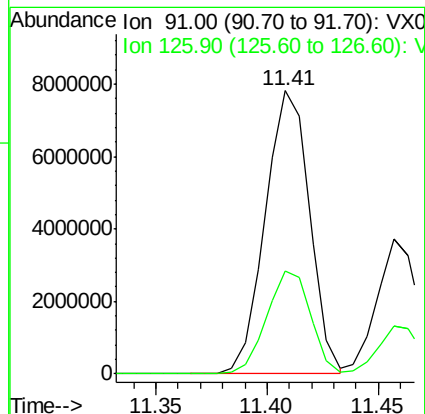
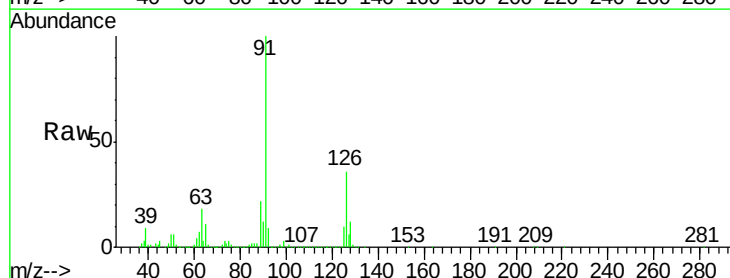
Acq: 06 Jul 2020 15:17

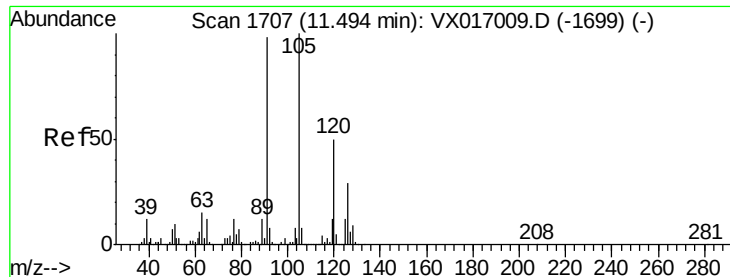
Tgt Ion: 91 Resp:10783916

Ion Ratio Lower Upper

91 100

126 36.0 17.4 52.3





#82

4-Chlorotoluene

Concen: 333.961 ug/l

RT: 11.50 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

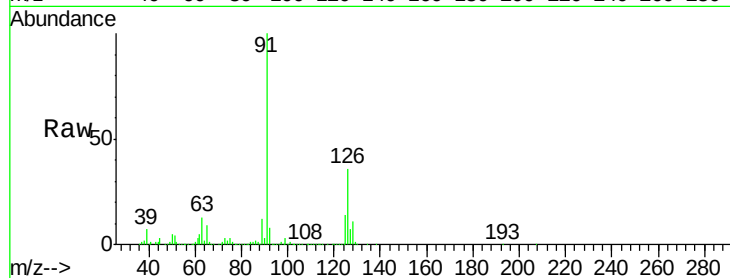
EPEC-POLYMERS-04ME

Tot Ion: 91 Resp: 4487529

Ion Ratio Lower Upper

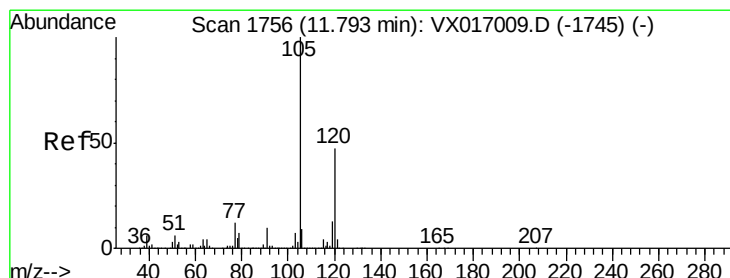
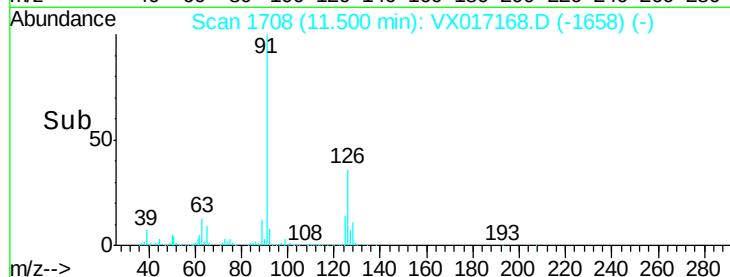
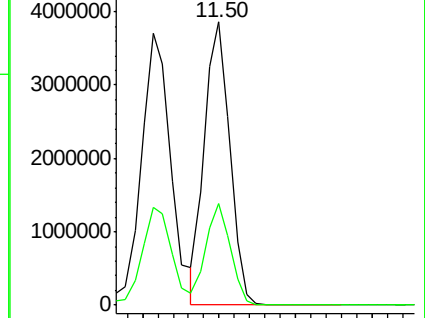
91 100

126 34.8 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.981 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017168.D

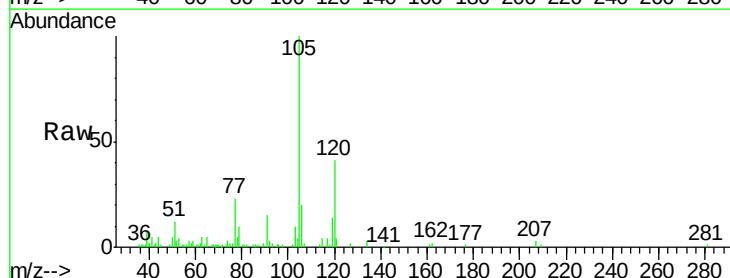
Acq: 06 Jul 2020 15:17

Tgt Ion:105 Resp: 13562

Ion Ratio Lower Upper

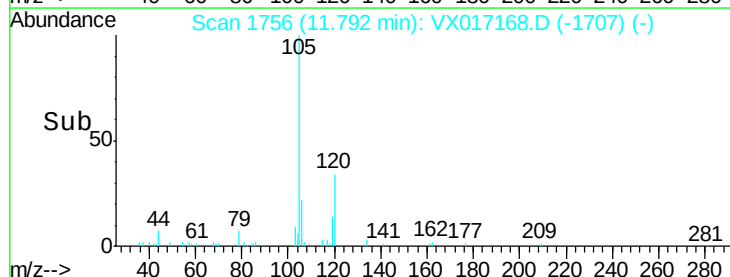
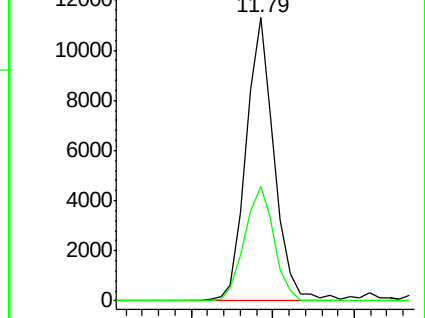
105 100

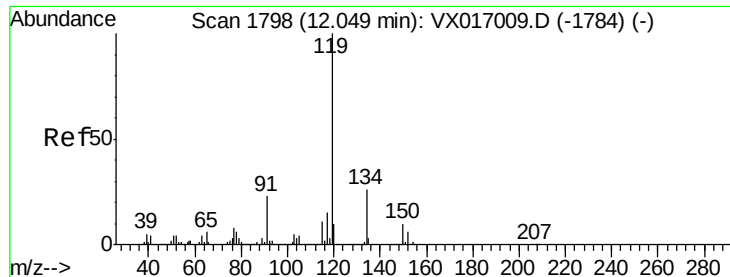
120 42.1 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

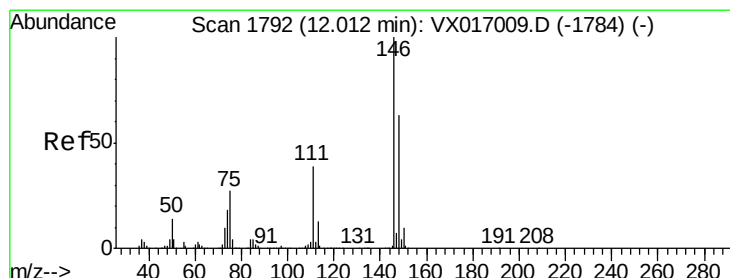
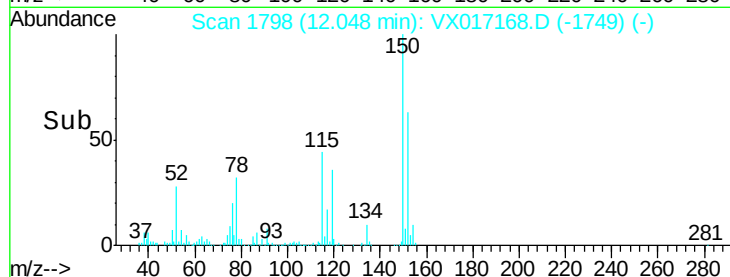
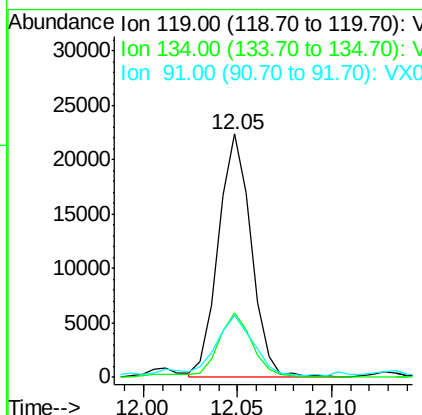
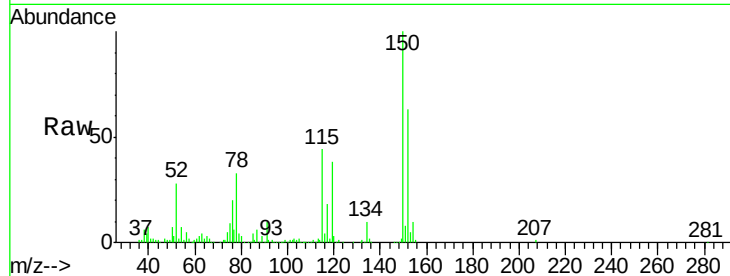




#86
 p-Isopropyltoluene
 Concen: 1.851 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017168.D
 Acq: 06 Jul 2020 15:17

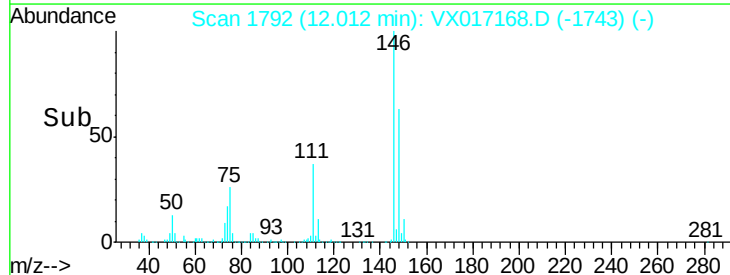
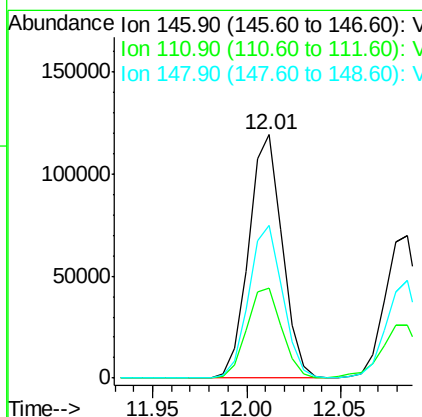
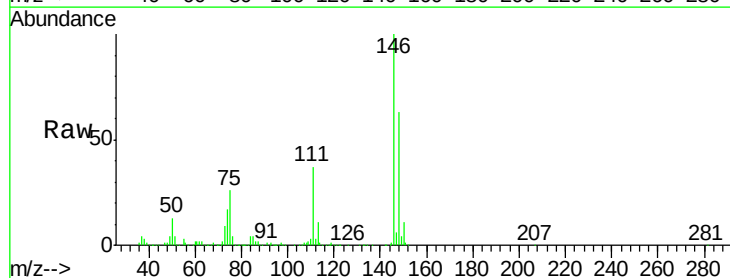
Instrument :
 MSVOA_X
 ClientSampleId :
 EPEC-POLYMERS-04ME

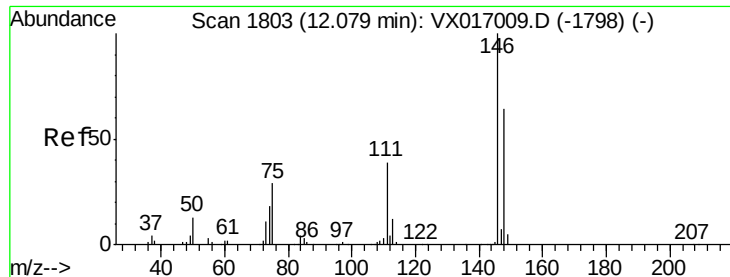
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.2	39.5
91	30.9	11.8	35.4



#87
 1,3-Dichlorobenzene
 Concen: 18.004 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017168.D
 Acq: 06 Jul 2020 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.4	61.2
148	63.4	32.5	97.5





#88

1,4-Dichlorobenzene

Concen: 11.384 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

EPEC-POLYMERS-04ME

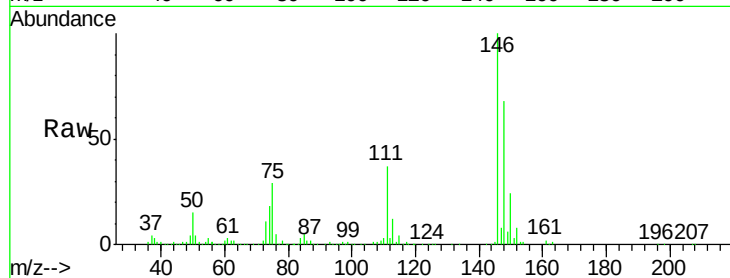
Tot Ion:146 Resp: 89159

Ion Ratio Lower Upper

146 100

111 41.1 19.5 58.5

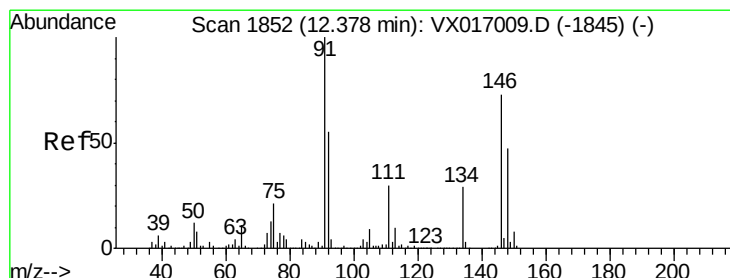
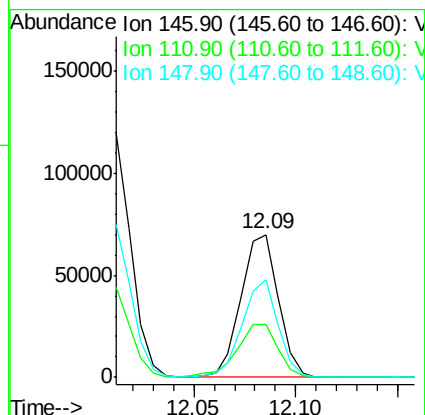
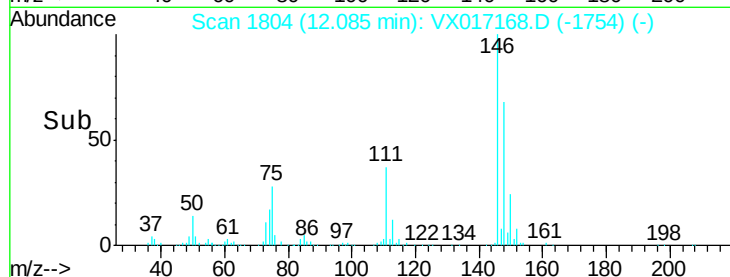
148 65.6 31.9 95.7



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



#91

1,2-Dichlorobenzene

Concen: 0.949 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

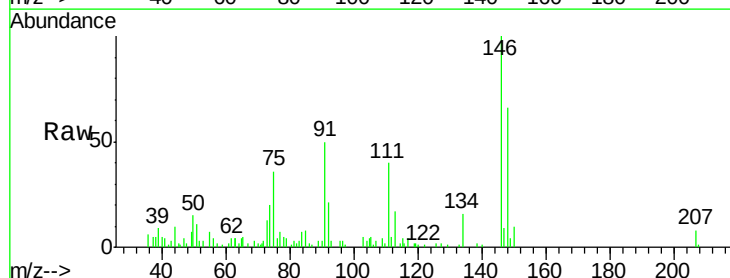
Tgt Ion:146 Resp: 7271

Ion Ratio Lower Upper

146 100

111 42.6 20.6 61.9

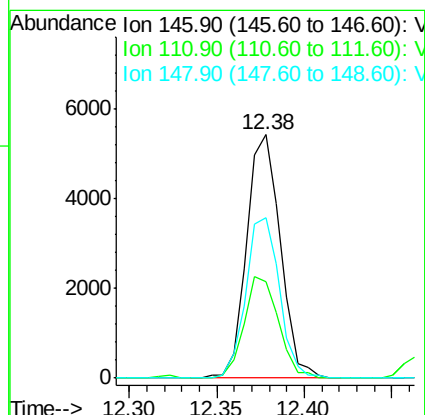
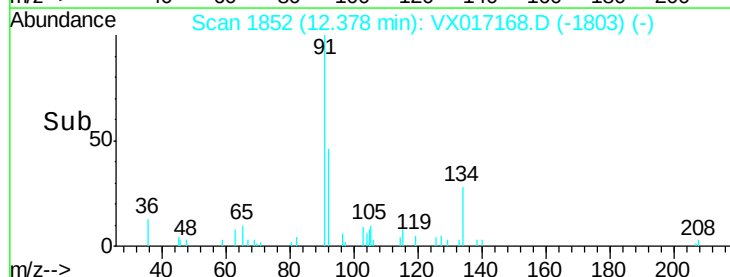
148 65.7 32.4 97.2

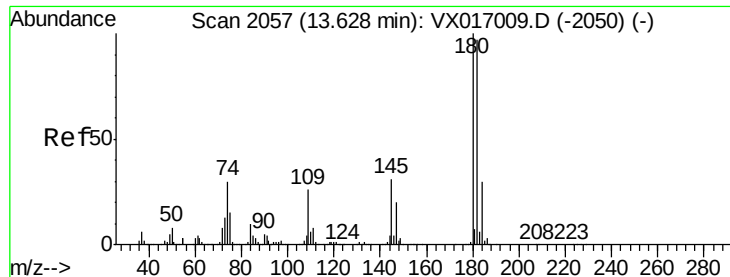


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2,4-Trichlorobenzene

Concen: 1.467 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

Instrument :

MSVOA_X

ClientSampleId :

EPEC-POLYMERS-04ME

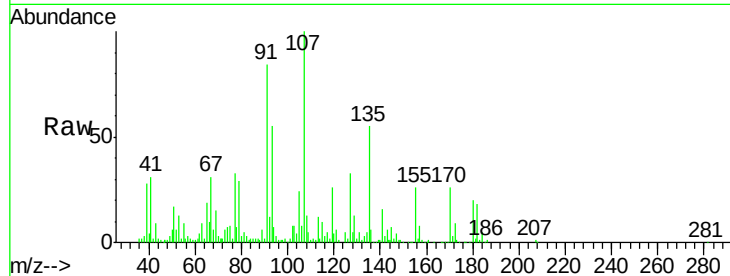
Tot Ion:180 Resp: 7672

Ion Ratio Lower Upper

180 100

182 88.7 47.3 141.9

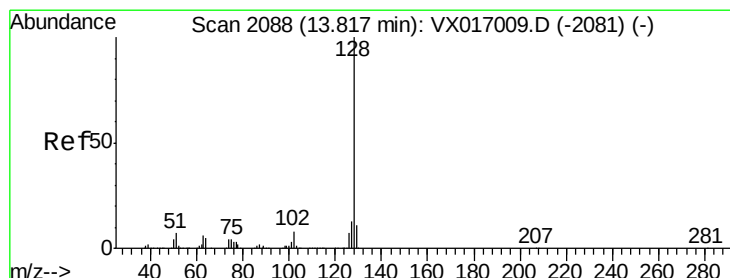
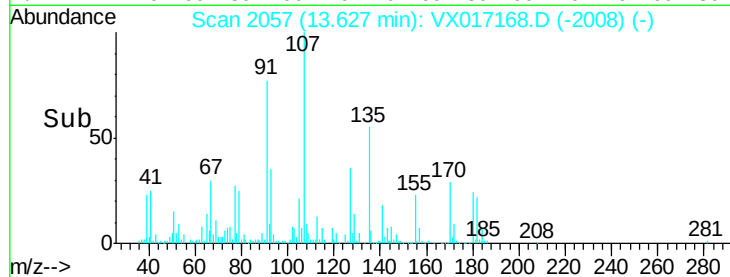
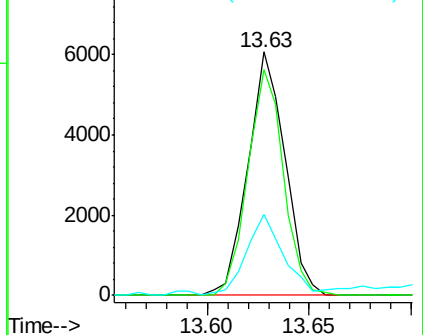
145 33.7 15.4 46.2



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



#95

Naphthalene

Concen: 3.487 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017168.D

Acq: 06 Jul 2020 15:17

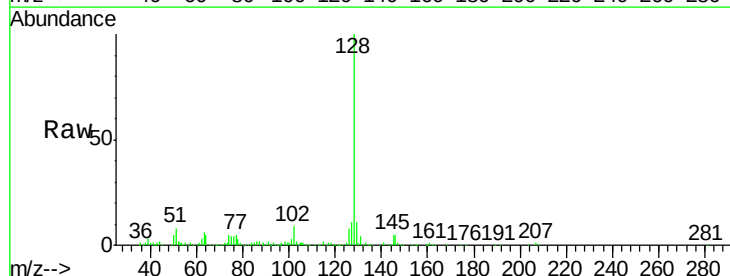
Tgt Ion:128 Resp: 55453

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

129 12.4 8.7 13.1



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

