

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
 Data File : VX030249.D
 Acq On : 27 Jul 2022 22:53
 Operator : JC/MD
 Sample : N3884-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BEM-MW-04

Quant Time: Jul 28 05:55:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

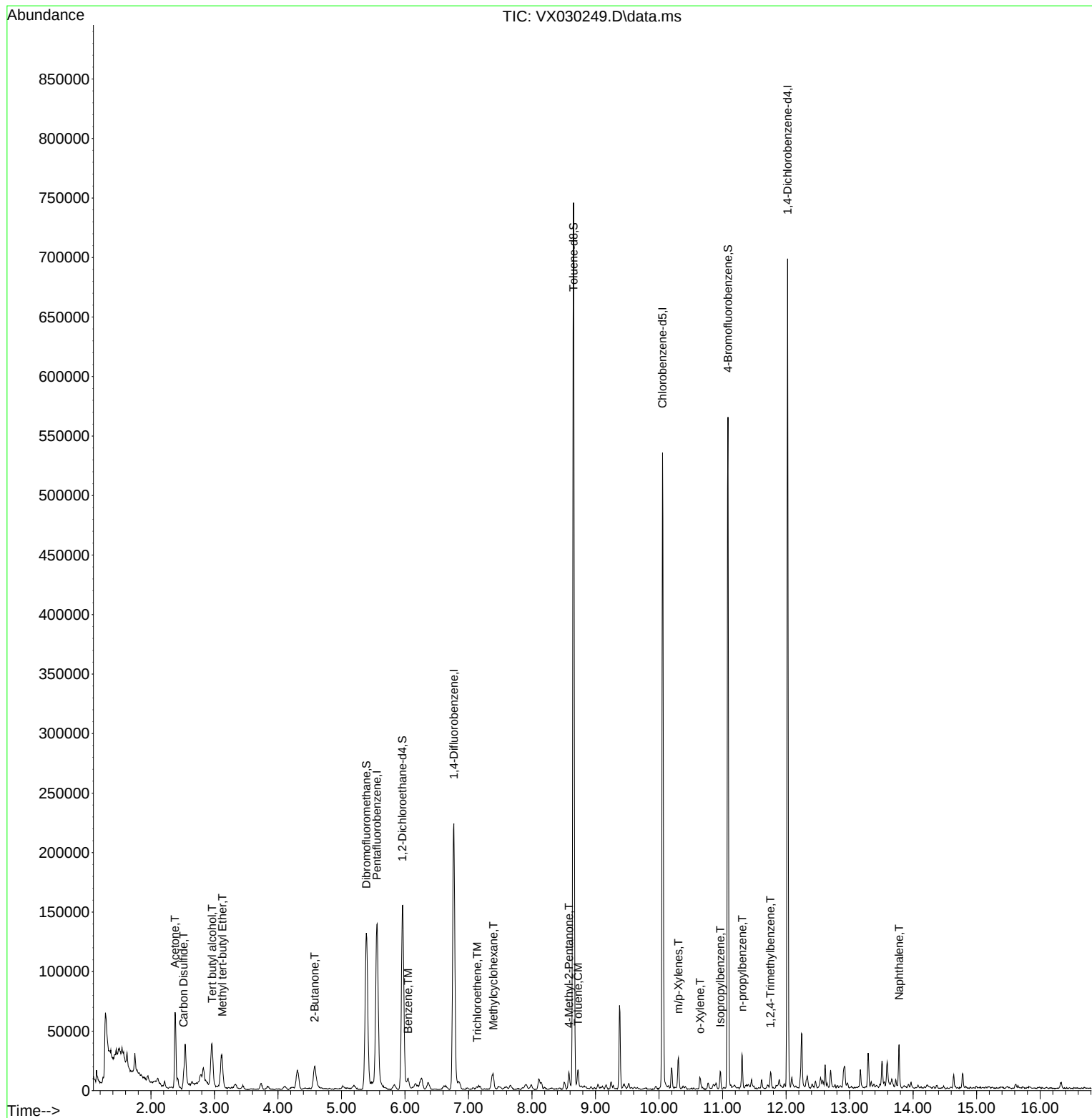
Internal Standards						
1) Pentafluorobenzene	5.556	168	129840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229389	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146942	56.306	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.620%	
35) Dibromofluoromethane	5.391	113	118588	54.080	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.160%	
50) Toluene-d8	8.653	98	432851	50.971	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	11.085	95	156320	49.600	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	37314	58.616	ug/l	99
16) Acetone	2.380	43	68822	51.510	ug/l	93
17) Carbon Disulfide	2.514	76	27536	5.029	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	21486	3.092	ug/l	91
25) 2-Butanone	4.574	43	11473	5.110	ug/l	99
39) Methylcyclohexane	7.391	83	5307	1.303	ug/l	89
40) Benzene	6.050	78	9783	0.985	ug/l #	80
44) Trichloroethene	7.135	130	975	0.359	ug/l	86
51) 4-Methyl-2-Pentanone	8.580	43	8758	1.969	ug/l	90
52) Toluene	8.726	92	5042	0.832	ug/l	86
68) m/p-Xylenes	10.305	106	5839	1.353	ug/l	85
69) o-Xylene	10.646	106	2080	0.489	ug/l	90
73) Isopropylbenzene	10.963	105	7072	0.685	ug/l	99
78) n-propylbenzene	11.311	91	16467	1.336	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	5433	0.630	ug/l	85
95) Naphthalene	13.780	128	20241	1.931	ug/l	97

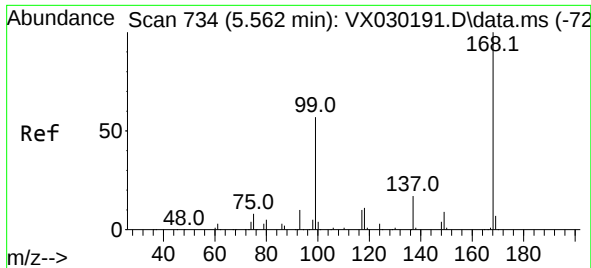
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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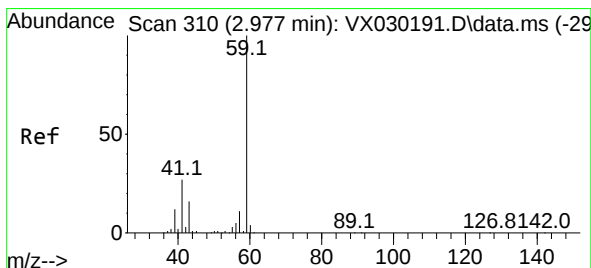
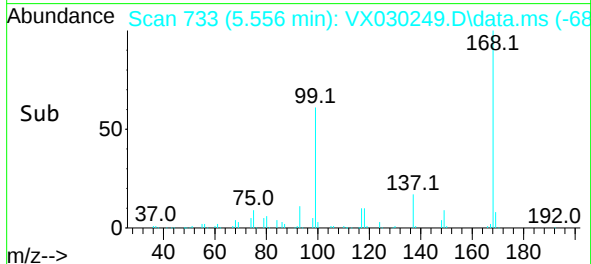
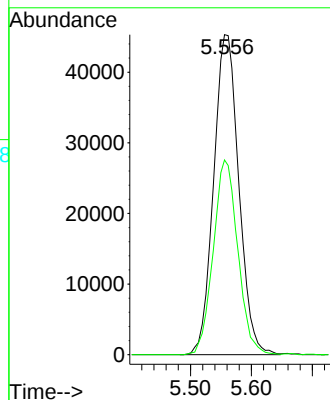
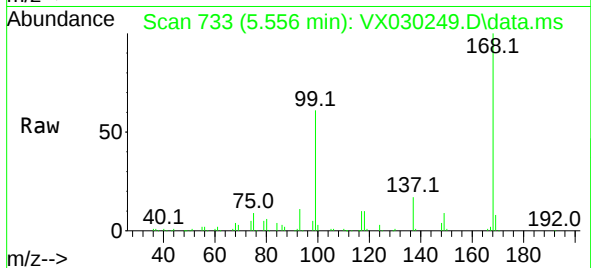




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

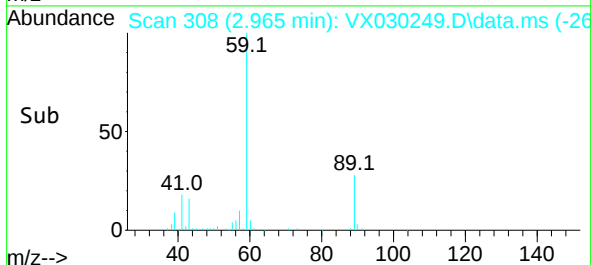
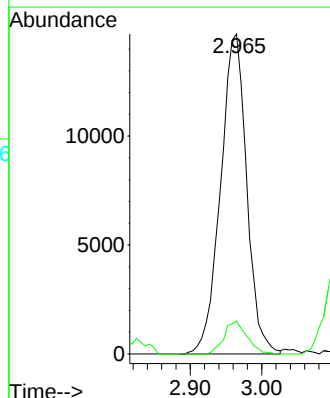
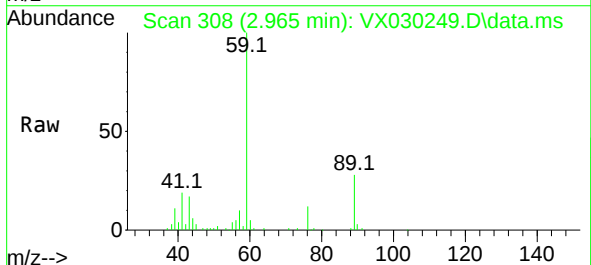
Instrument :
MSVOA_X
ClientSampleId :
BEM-MW-04

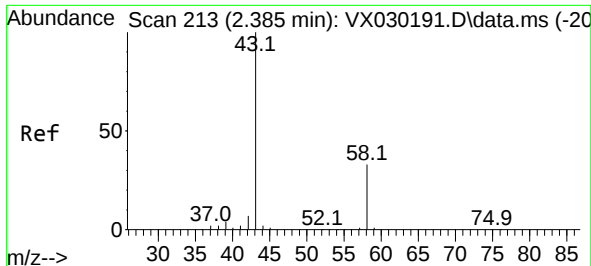
Tgt Ion:168 Resp: 129840
Ion Ratio Lower Upper
168 100
99 60.8 44.0 66.0



#11
Tert butyl alcohol
Concen: 58.616 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Tgt Ion: 59 Resp: 37314
Ion Ratio Lower Upper
59 100
57 9.0 7.4 11.2

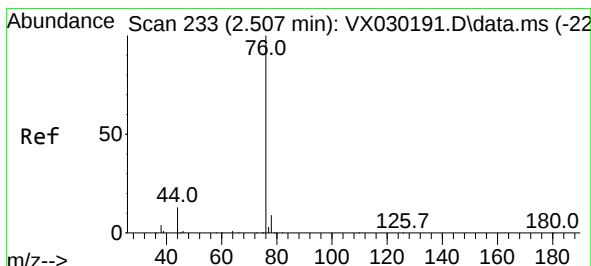
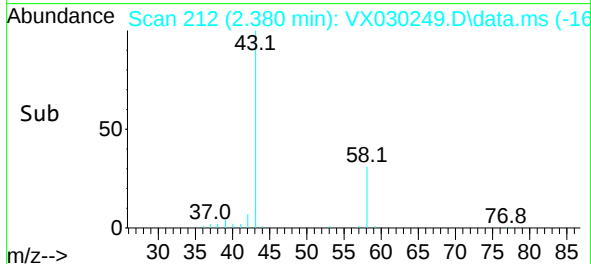
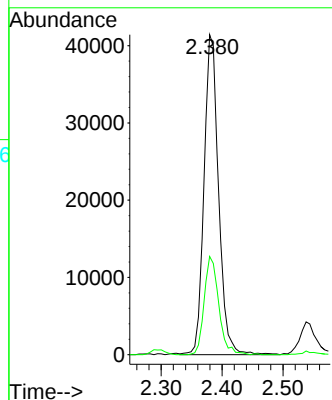
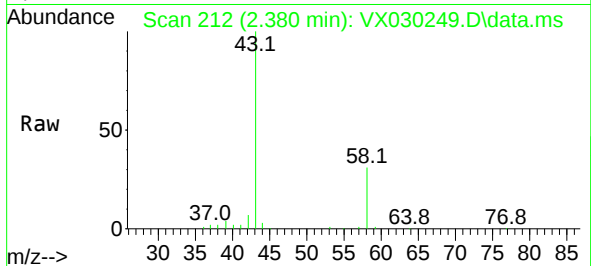




#16
Acetone
Concen: 51.510 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.005 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

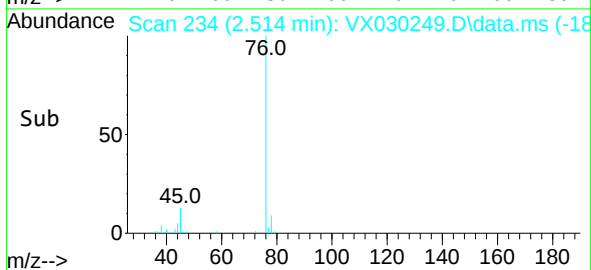
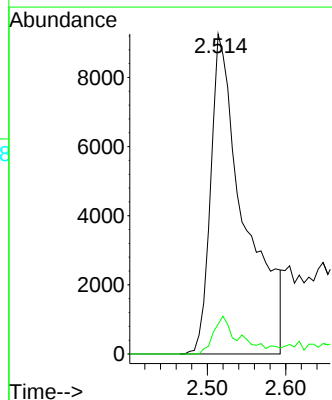
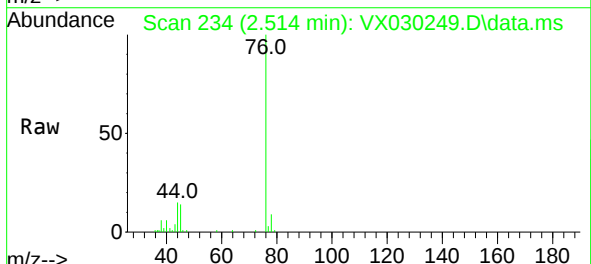
Instrument :
MSVOA_X
ClientSampleId :
BEM-MW-04

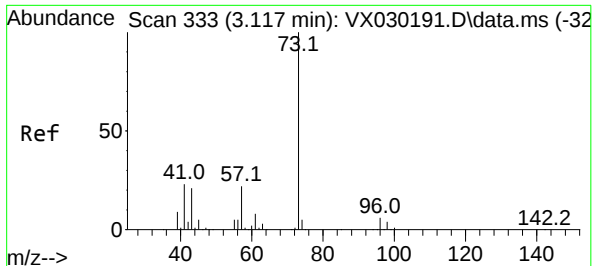
Tgt Ion: 43 Resp: 68822
Ion Ratio Lower Upper
43 100
58 30.7 27.7 41.5



#17
Carbon Disulfide
Concen: 5.029 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Tgt Ion: 76 Resp: 27536
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6





#19

Methyl tert-butyl Ether

Concen: 3.092 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX030249.D

Acq: 27 Jul 2022 22:53

Instrument :

MSVOA_X

ClientSampleId :

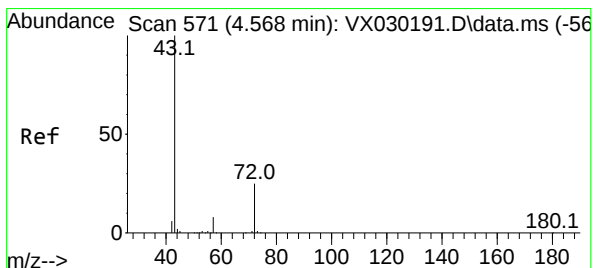
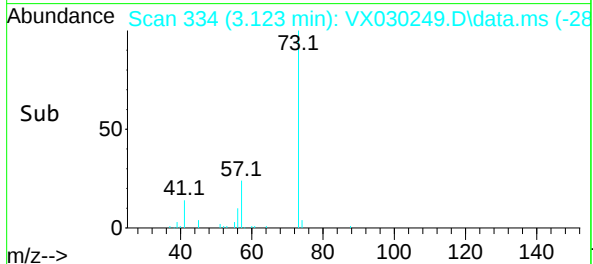
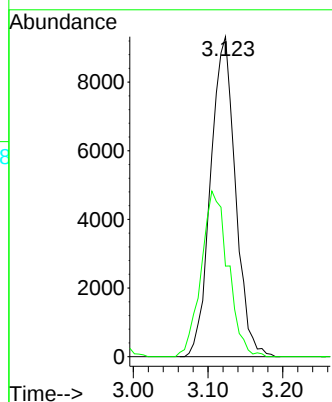
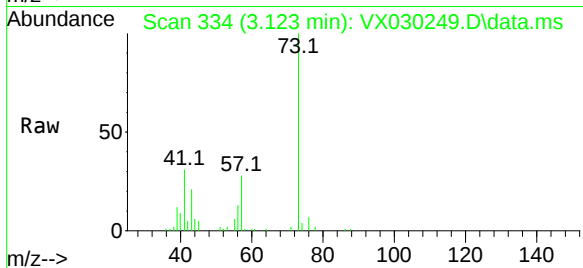
BEM-MW-04

Tgt Ion: 73 Resp: 21486

Ion Ratio Lower Upper

73 100

57 28.3 19.0 28.6



#25

2-Butanone

Concen: 5.110 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX030249.D

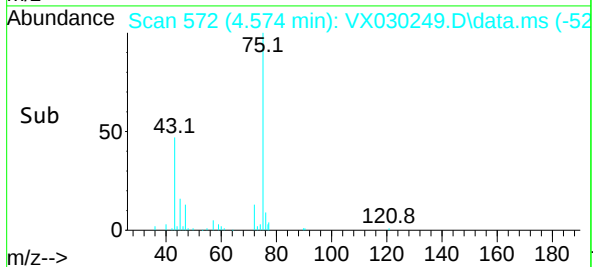
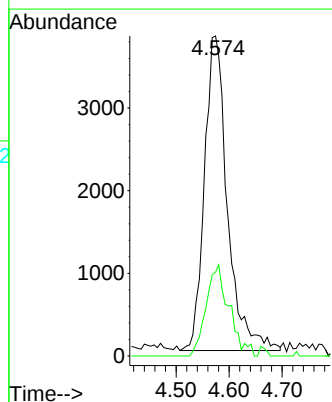
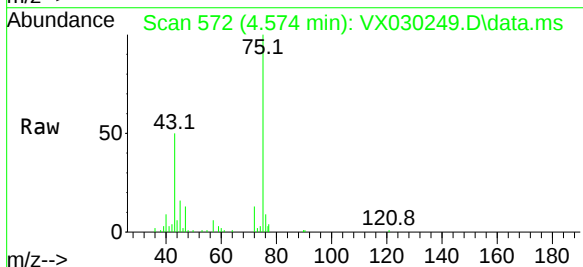
Acq: 27 Jul 2022 22:53

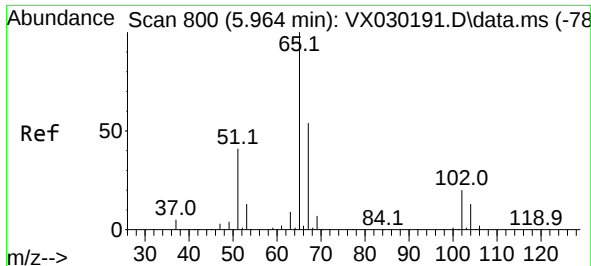
Tgt Ion: 43 Resp: 11473

Ion Ratio Lower Upper

43 100

72 26.6 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 56.306 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030249.D

Acq: 27 Jul 2022 22:53

Instrument :

MSVOA_X

ClientSampleId :

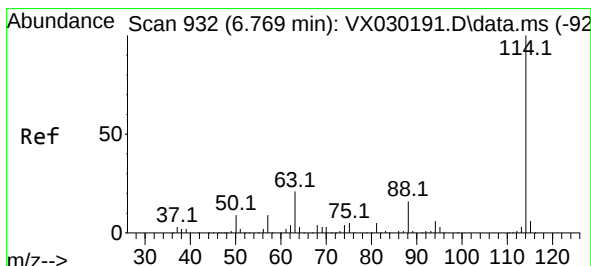
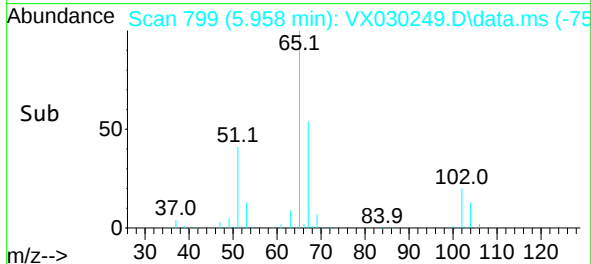
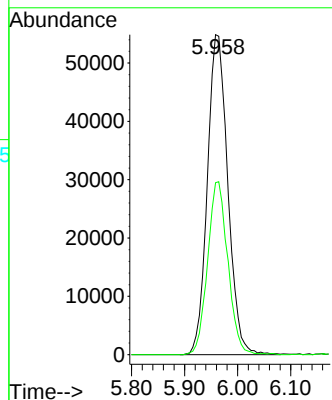
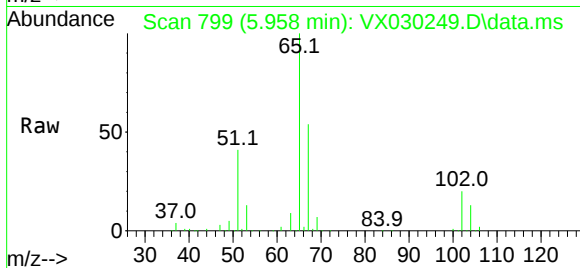
BEM-MW-04

Tgt Ion: 65 Resp: 146942

Ion Ratio Lower Upper

65 100

67 53.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030249.D

Acq: 27 Jul 2022 22:53

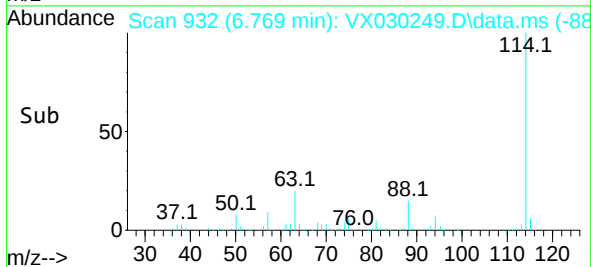
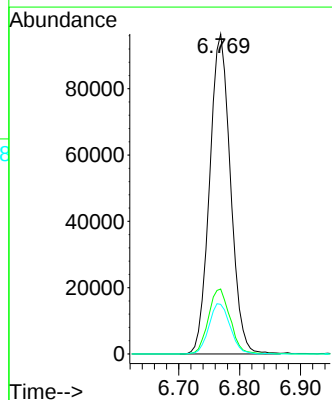
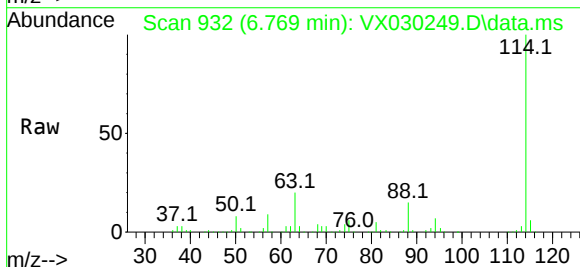
Tgt Ion: 114 Resp: 229389

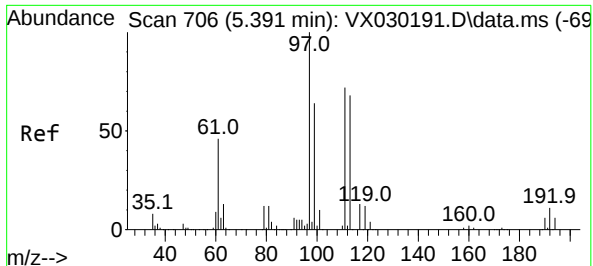
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.080 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030249.D

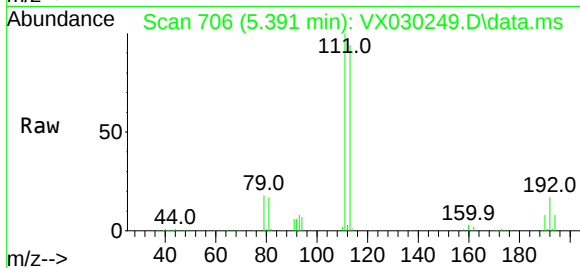
Acq: 27 Jul 2022 22:53

Instrument :

MSVOA_X

ClientSampleId :

BEM-MW-04



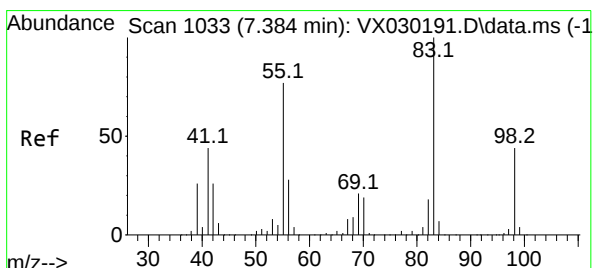
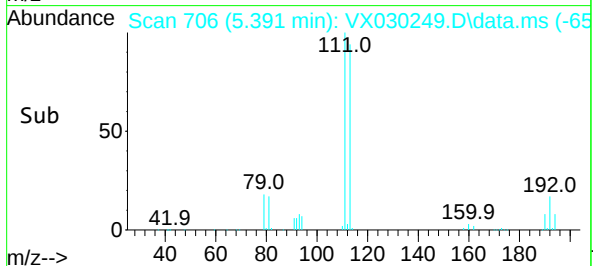
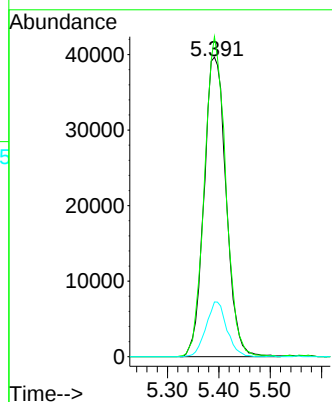
Tgt Ion:113 Resp: 118588

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

192 17.2 14.8 22.2



#39

Methylcyclohexane

Concen: 1.303 ug/l

RT: 7.391 min Scan# 1034

Delta R.T. 0.007 min

Lab File: VX030249.D

Acq: 27 Jul 2022 22:53

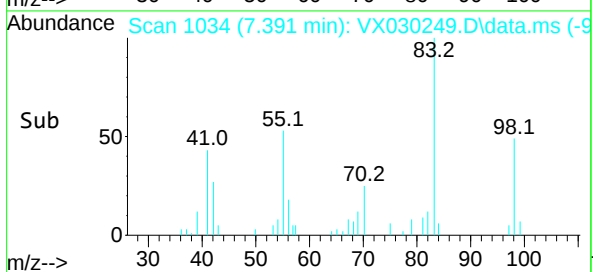
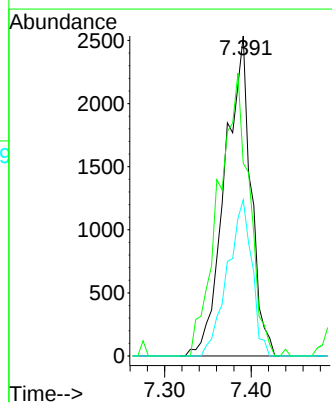
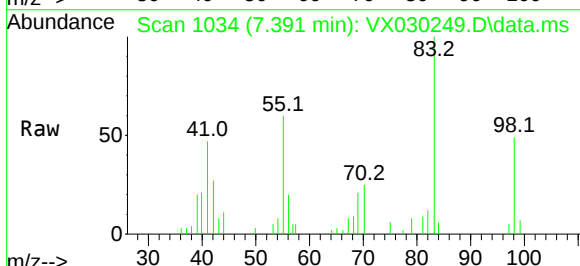
Tgt Ion: 83 Resp: 5307

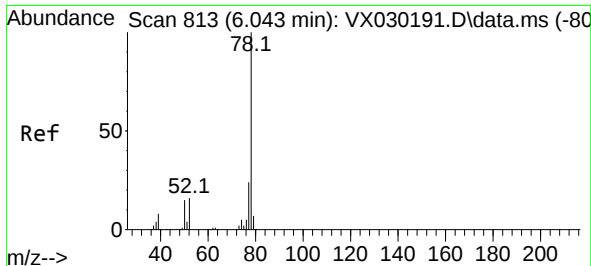
Ion Ratio Lower Upper

83 100

55 60.3 57.7 86.5

98 48.8 36.5 54.7





#40

Benzene

Concen: 0.985 ug/l

RT: 6.050 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX030249.D

Acq: 27 Jul 2022 22:53

Instrument :

MSVOA_X

ClientSampleId :

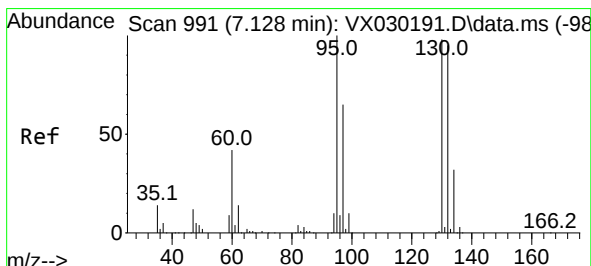
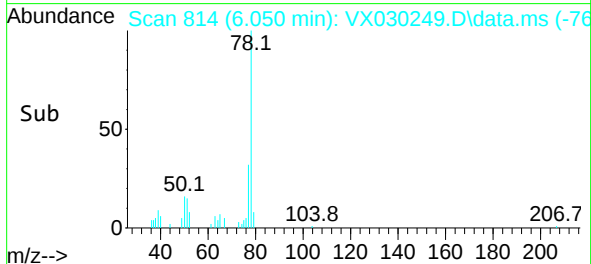
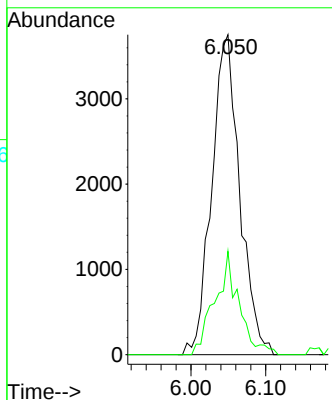
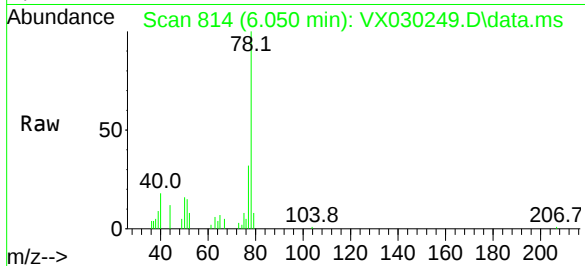
BEM-MW-04

Tgt Ion: 78 Resp: 9783

Ion Ratio Lower Upper

78 100

77 32.3 18.0 27.0#



#44

Trichloroethene

Concen: 0.359 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.007 min

Lab File: VX030249.D

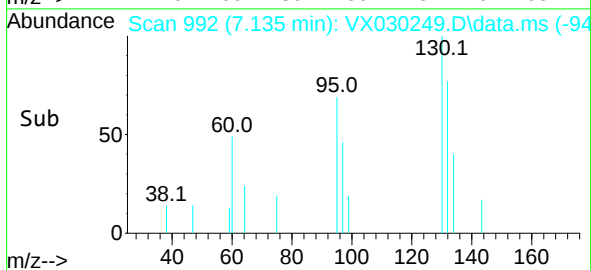
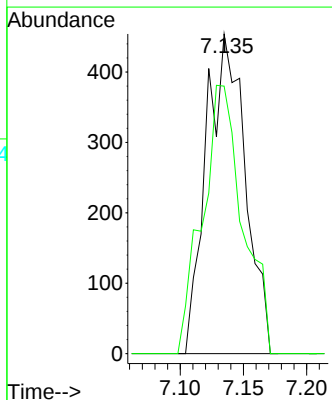
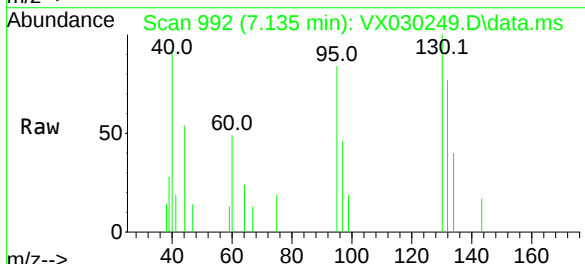
Acq: 27 Jul 2022 22:53

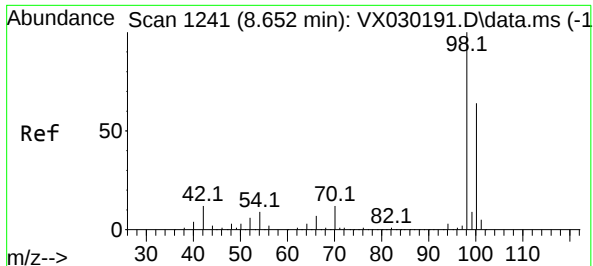
Tgt Ion:130 Resp: 975

Ion Ratio Lower Upper

130 100

95 83.7 0.0 194.8

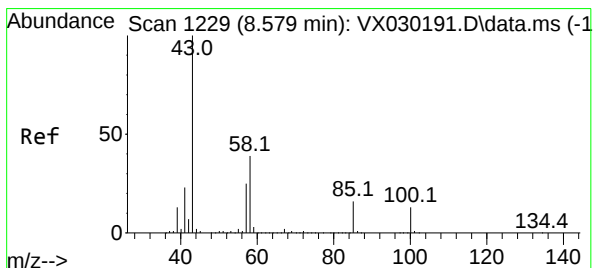
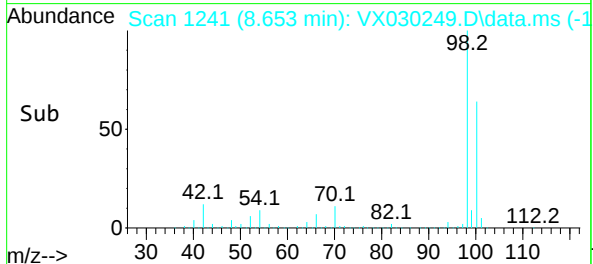
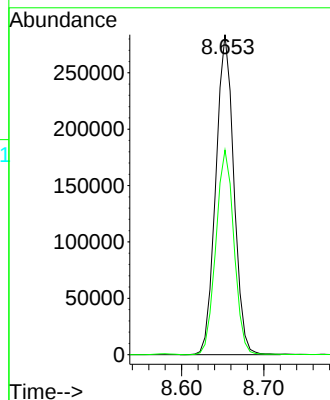
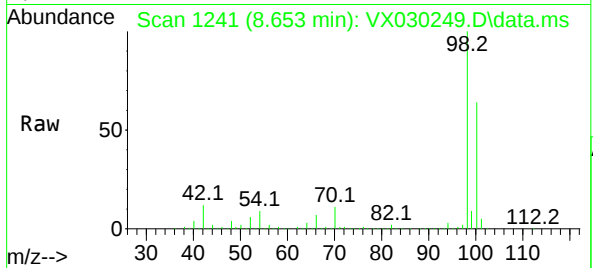




#50
Toluene-d8
Concen: 50.971 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

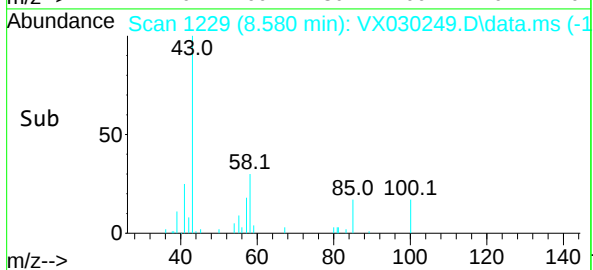
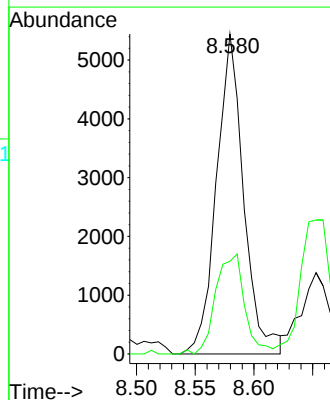
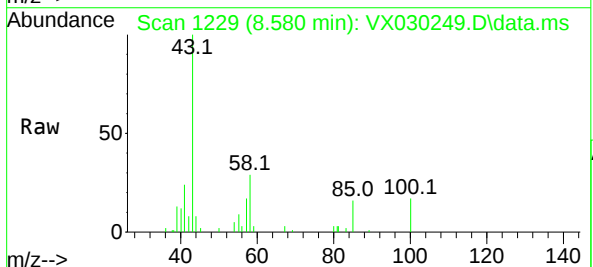
Instrument :
MSVOA_X
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BEM-MW-04

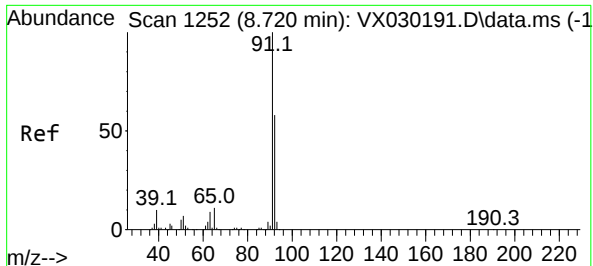
Tgt Ion: 98 Resp: 432851
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.969 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.001 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Tgt Ion: 43 Resp: 8758
Ion Ratio Lower Upper
43 100
58 33.3 31.4 47.2

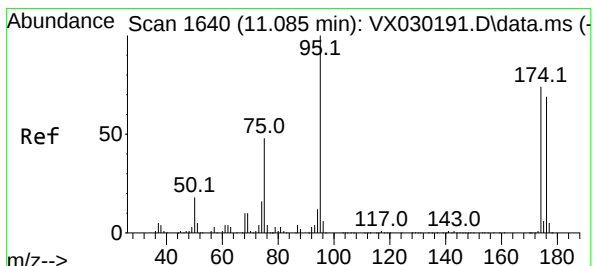
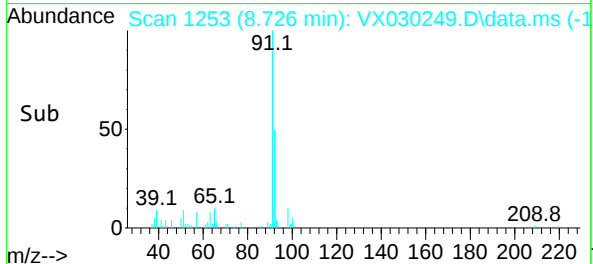
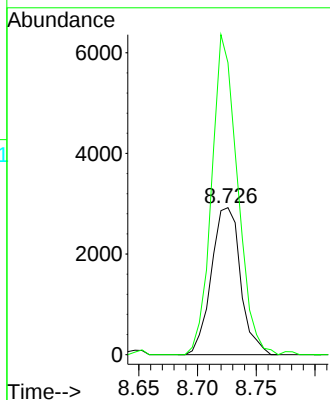
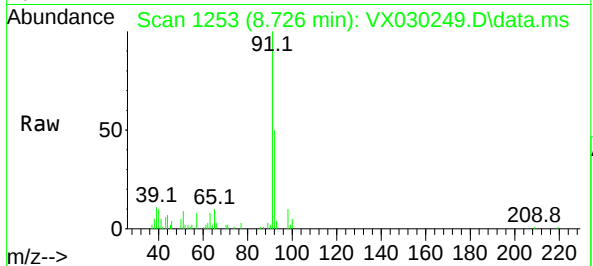




#52
Toluene
Concen: 0.832 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

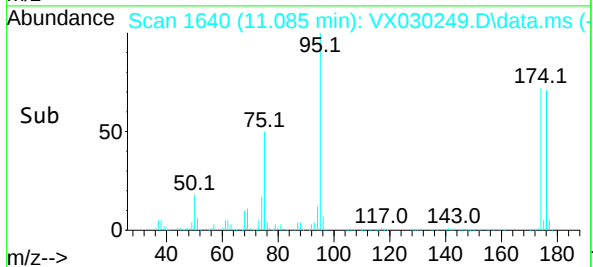
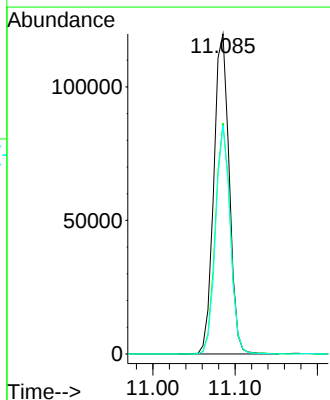
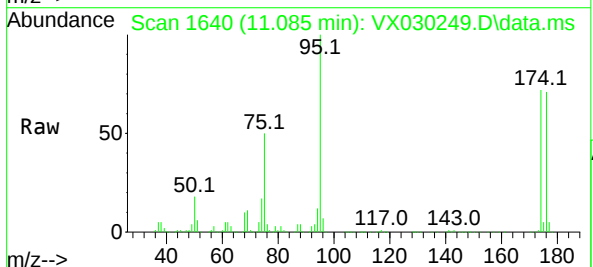
Instrument :
MSVOA_X
ClientSampleId :
BEM-MW-04

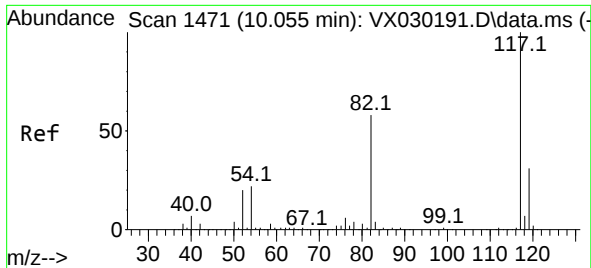
Tgt Ion: 92 Resp: 5042
Ion Ratio Lower Upper
92 100
91 193.0 139.2 208.8



#62
4-Bromofluorobenzene
Concen: 49.600 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Tgt Ion: 95 Resp: 156320
Ion Ratio Lower Upper
95 100
174 70.0 0.0 149.0
176 67.7 0.0 146.0

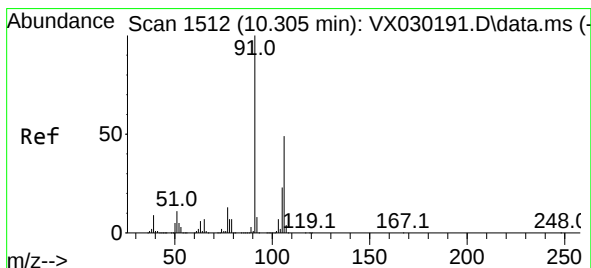
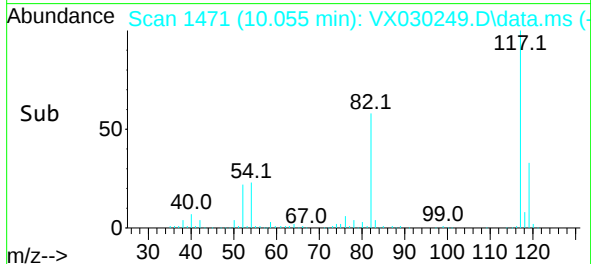
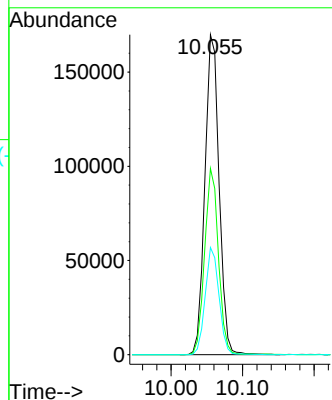
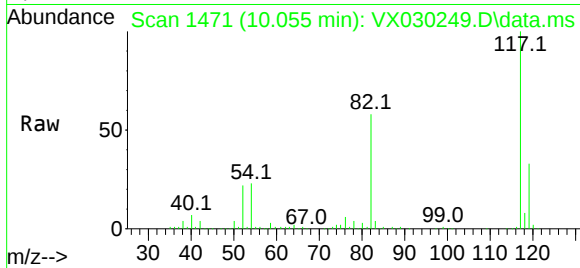




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

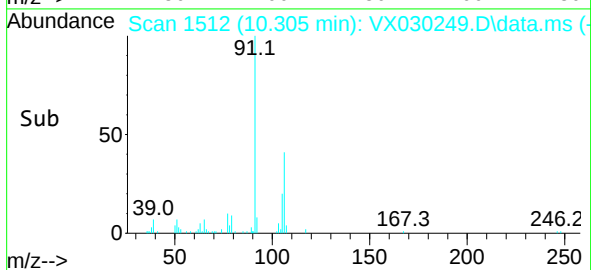
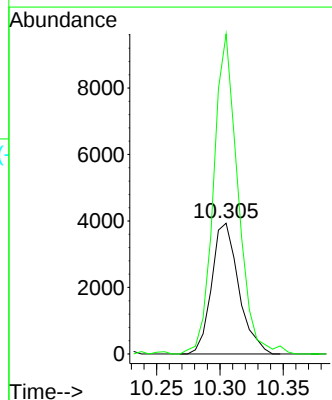
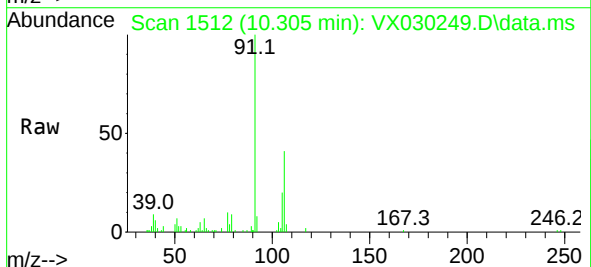
Instrument :
MSVOA_X
ClientSampleId :
BEM-MW-04

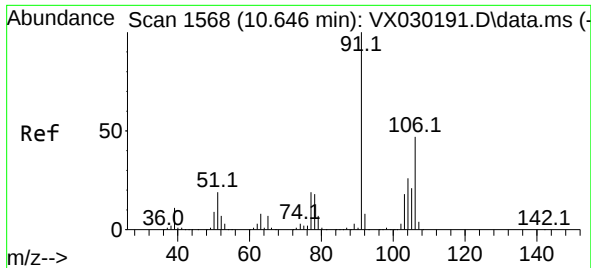
Tgt Ion:117 Resp: 234505
Ion Ratio Lower Upper
117 100
82 58.2 42.7 64.1
119 33.5 25.4 38.2



#68
m/p-Xylenes
Concen: 1.353 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Tgt Ion:106 Resp: 5839
Ion Ratio Lower Upper
106 100
91 220.4 158.2 237.4

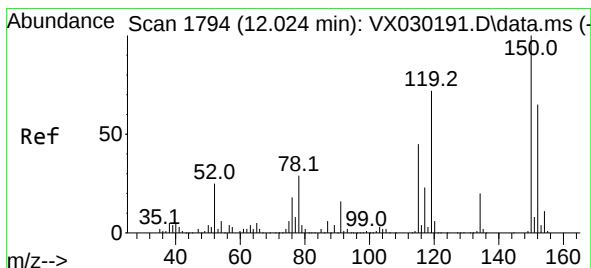
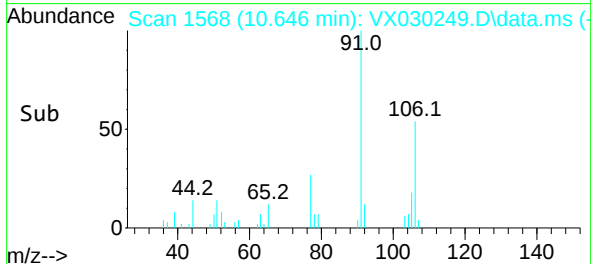
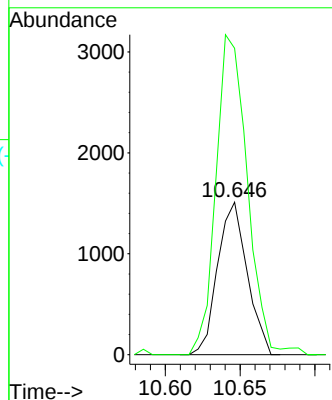
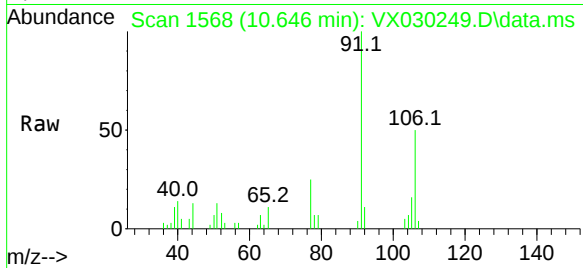




#69
o-Xylene
Concen: 0.489 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

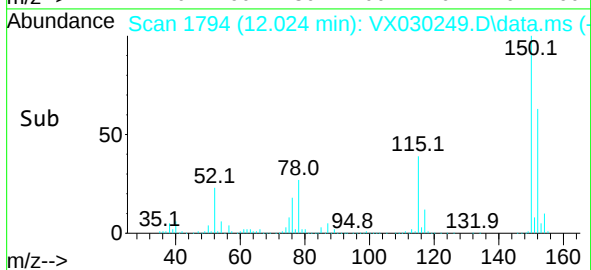
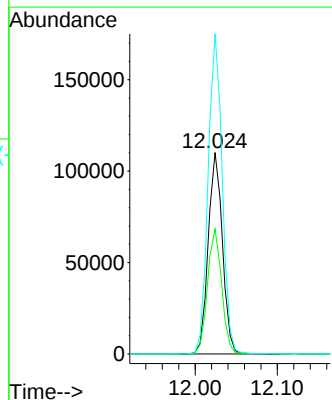
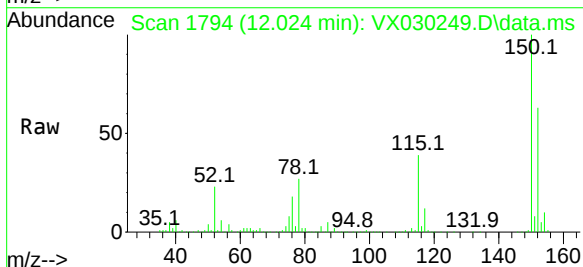
Instrument :
MSVOA_X
ClientSampleId :
BEM-MW-04

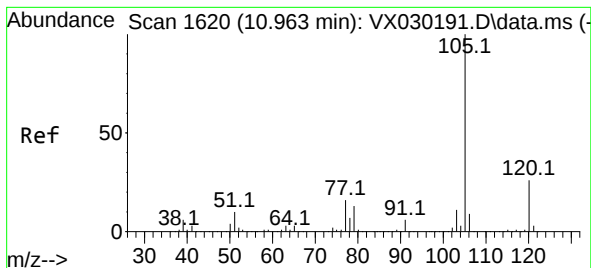
Tgt Ion:106 Resp: 2080
Ion Ratio Lower Upper
106 100
91 222.7 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Tgt Ion:152 Resp: 132299
Ion Ratio Lower Upper
152 100
115 61.5 40.5 121.5
150 157.4 0.0 347.0





#73

Isopropylbenzene

Concen: 0.685 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030249.D

Acq: 27 Jul 2022 22:53

Instrument :

MSVOA_X

ClientSampleId :

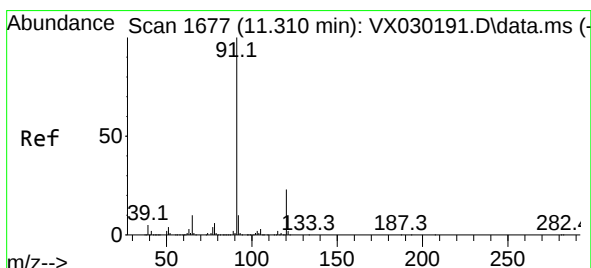
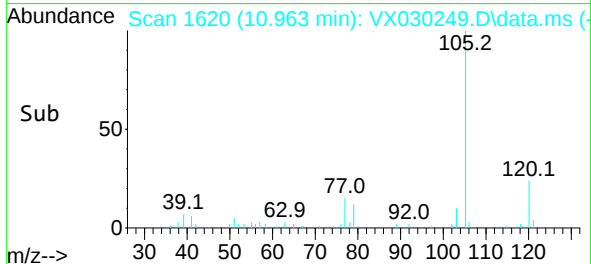
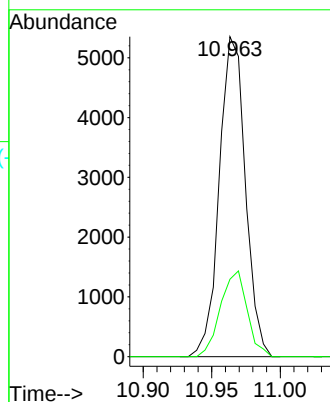
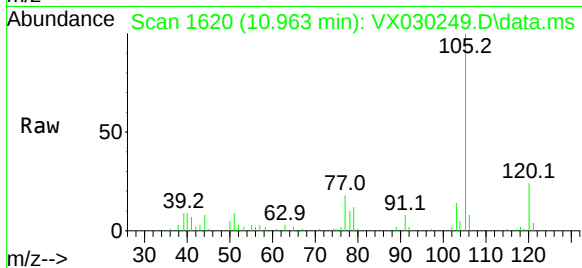
BEM-MW-04

Tgt Ion:105 Resp: 7072

Ion Ratio Lower Upper

105 100

120 27.4 13.5 40.4



#78

n-propylbenzene

Concen: 1.336 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.001 min

Lab File: VX030249.D

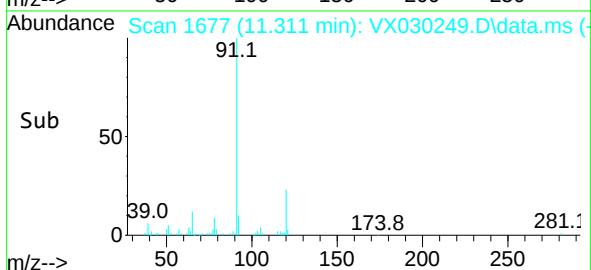
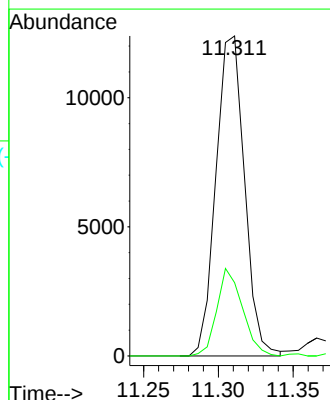
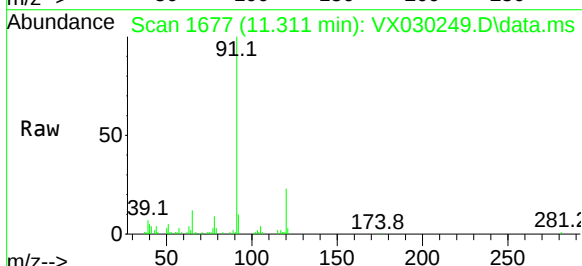
Acq: 27 Jul 2022 22:53

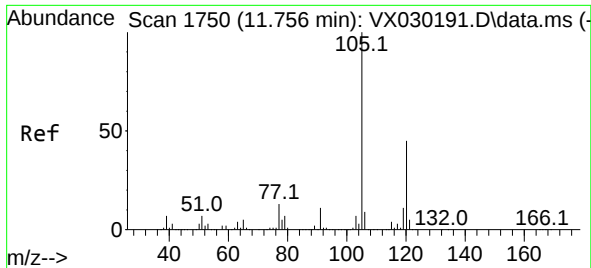
Tgt Ion: 91 Resp: 16467

Ion Ratio Lower Upper

91 100

120 24.5 11.6 34.8

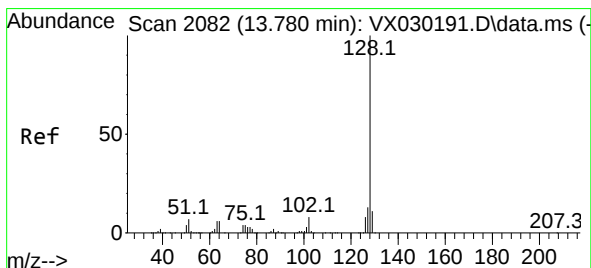
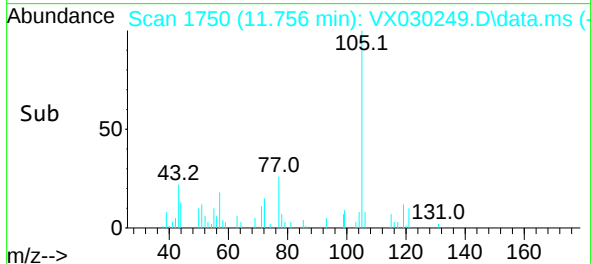
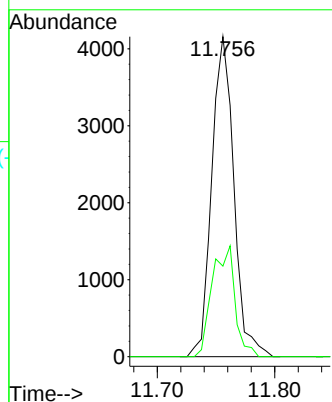
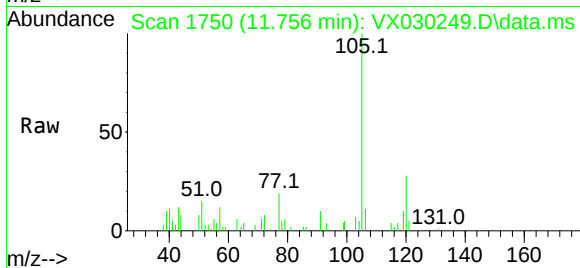




#84
1,2,4-Trimethylbenzene
Concen: 0.630 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Instrument :
MSVOA_X
ClientSampleId :
BEM-MW-04

Tgt Ion:105 Resp: 5433
Ion Ratio Lower Upper
105 100
120 35.9 22.9 68.8



#95
Naphthalene
Concen: 1.931 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030249.D
Acq: 27 Jul 2022 22:53

Tgt Ion:128 Resp: 20241
Ion Ratio Lower Upper
128 100
127 15.0 10.2 15.2
129 11.0 8.6 13.0

