

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
 Data File : VX030346.D
 Acq On : 02 Aug 2022 12:46
 Operator : JC/MD
 Sample : N3964-01
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-A

Quant Time: Aug 02 15:49:16 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)

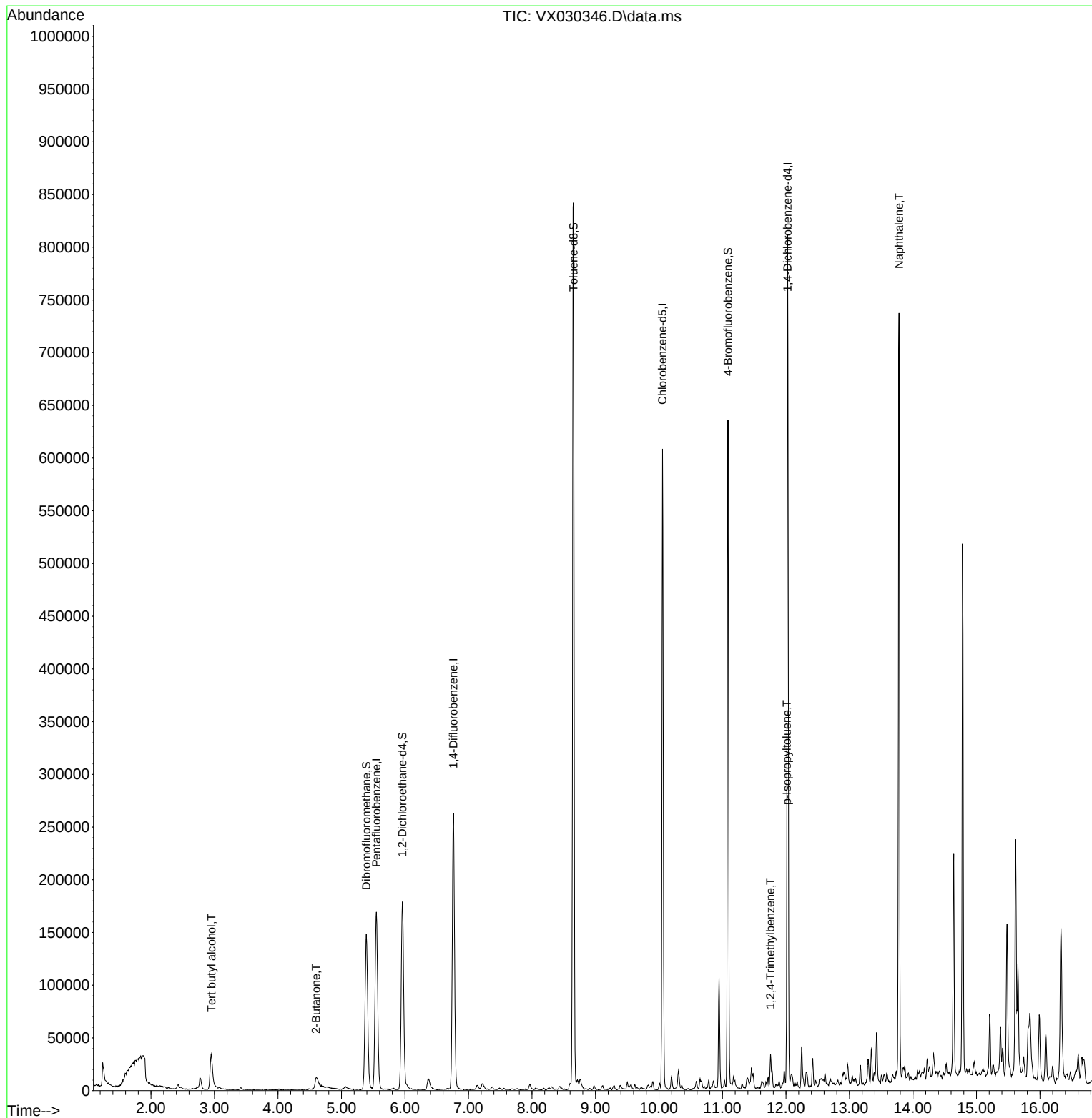
Internal Standards						
1) Pentafluorobenzene	5.550	168	162308	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	279269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170547	52.278	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.560%
35) Dibromofluoromethane	5.391	113	133856	50.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.280%
50) Toluene-d8	8.653	98	522776	50.565	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.140%
62) 4-Bromofluorobenzene	11.086	95	178981	46.647	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	26858	33.751	ug/l #	77
25) 2-Butanone	4.599	43	31179	11.109	ug/l #	78
84) 1,2,4-Trimethylbenzene	11.756	105	13200	1.233	ug/l	99
86) p-Isopropyltoluene	12.012	119	13583	1.247	ug/l	95
95) Naphthalene	13.780	128	441167	33.911	ug/l	99

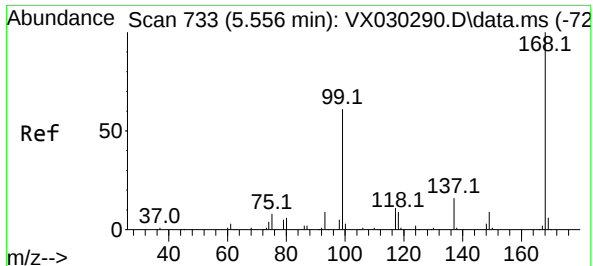
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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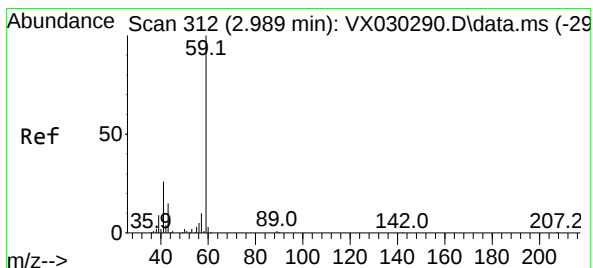
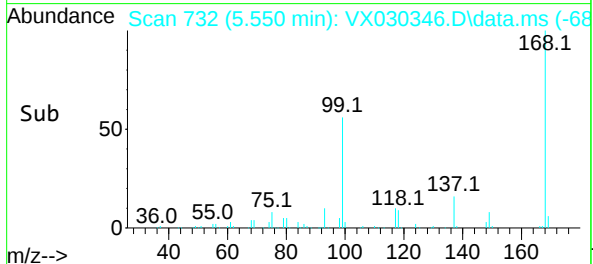
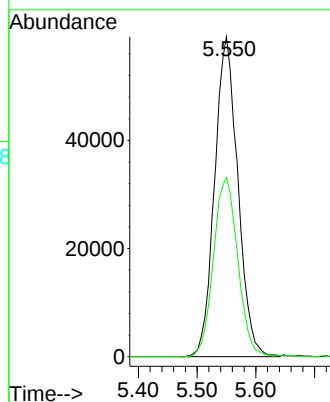
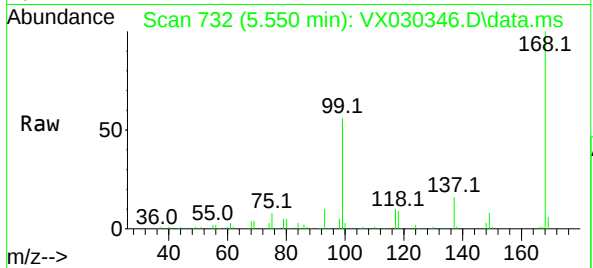




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

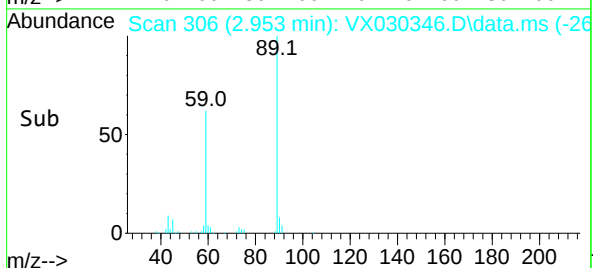
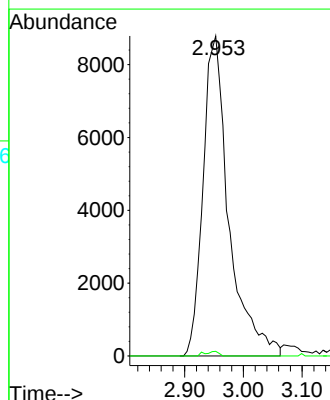
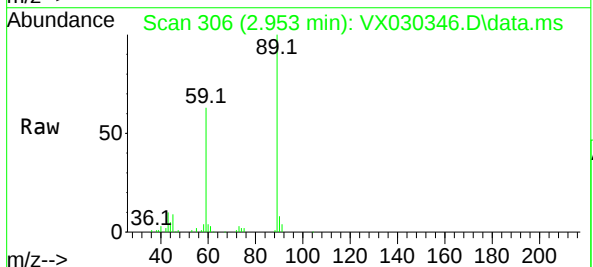
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

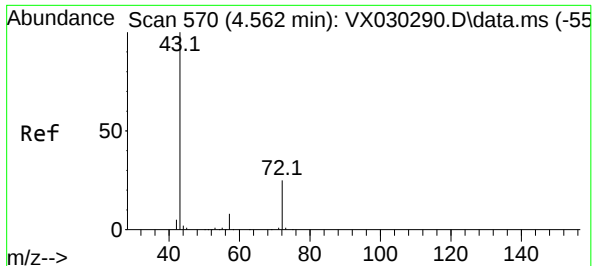
Tgt Ion:168 Resp: 162308
Ion Ratio Lower Upper
168 100
99 56.0 44.0 66.0



#11
Tert butyl alcohol
Concen: 33.751 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

Tgt Ion: 59 Resp: 26858
Ion Ratio Lower Upper
59 100
57 0.8 7.4 11.2#





#25

2-Butanone

Concen: 11.109 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX030346.D

Acq: 02 Aug 2022 12:46

Instrument :

MSVOA_X

ClientSampleId :

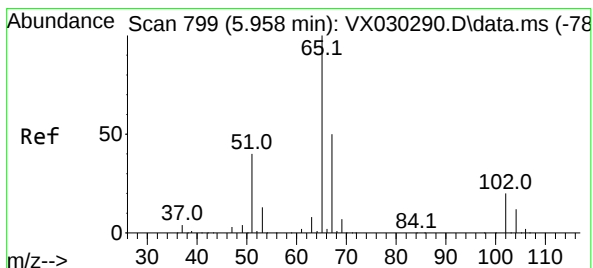
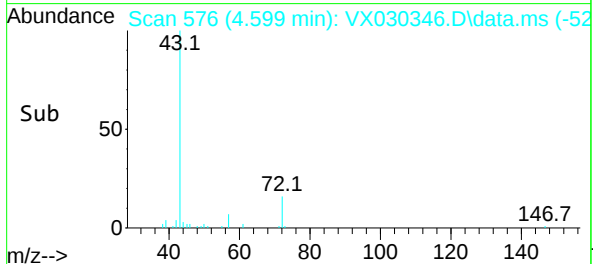
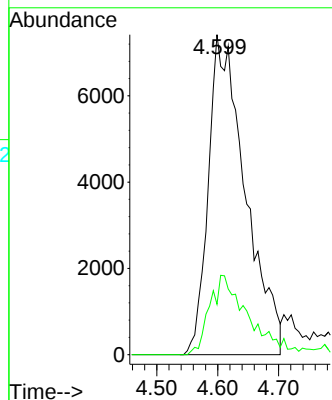
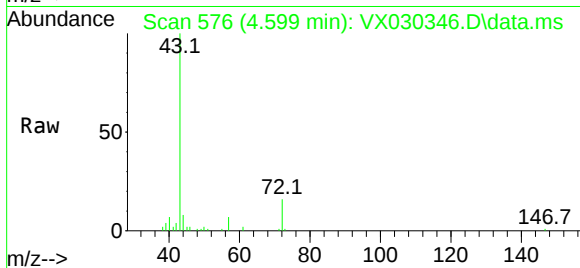
HMGP-SOIL-A

Tgt Ion: 43 Resp: 31179

Ion Ratio Lower Upper

43 100

72 15.7 21.7 32.5#



#33

1,2-Dichloroethane-d4

Concen: 52.278 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030346.D

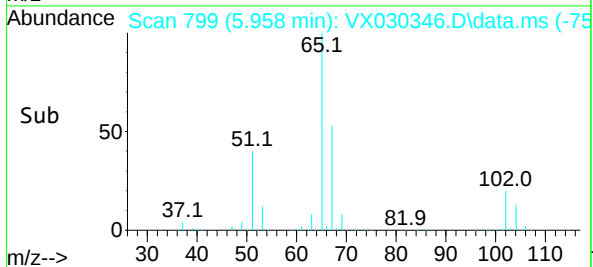
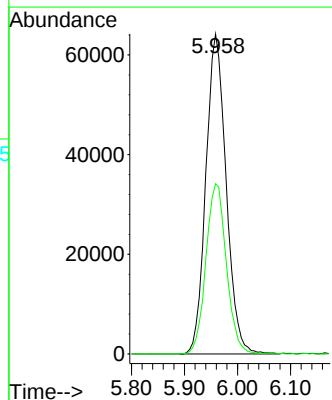
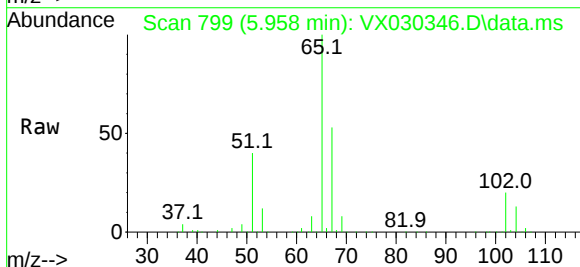
Acq: 02 Aug 2022 12:46

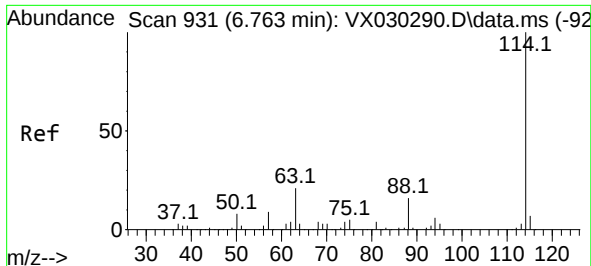
Tgt Ion: 65 Resp: 170547

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.6

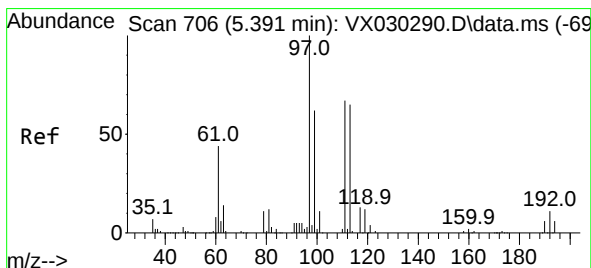
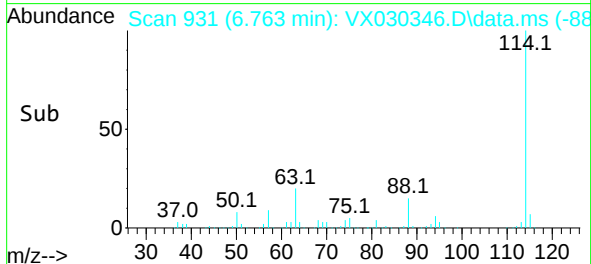
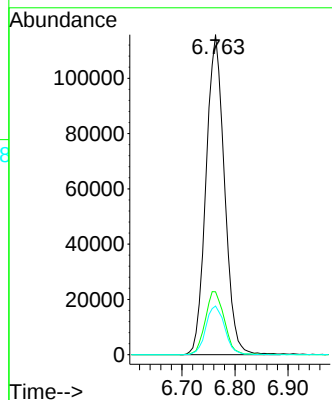
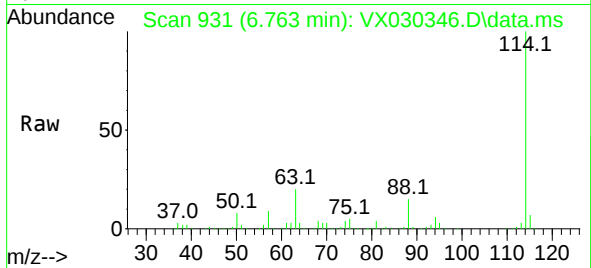




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

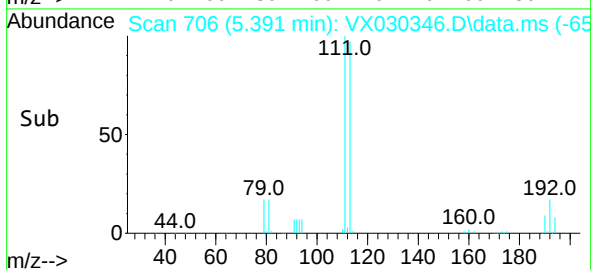
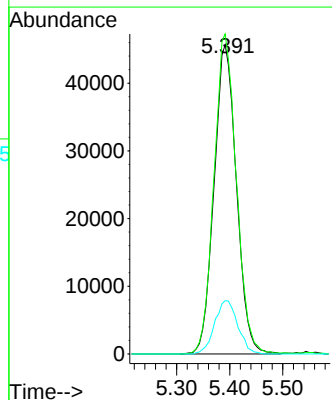
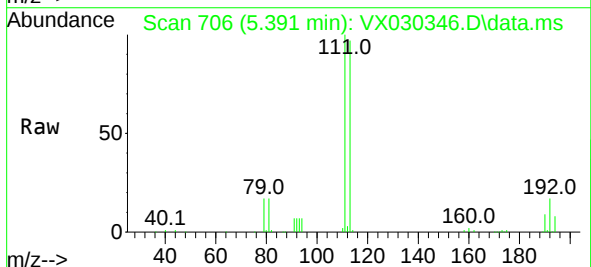
Instrument :
MSVOA_X
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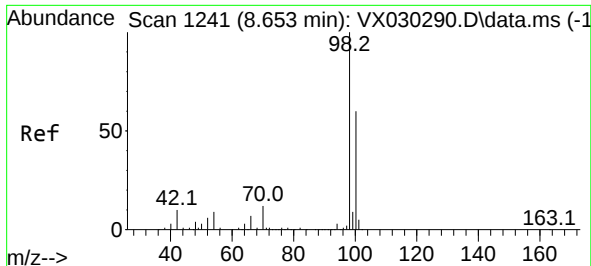
Tgt Ion:114 Resp: 279269
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.4
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.140 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

Tgt Ion:113 Resp: 133856
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 17.9 14.8 22.2

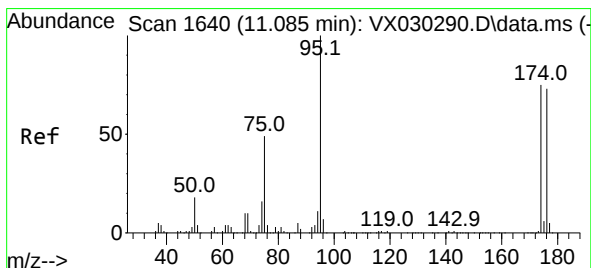
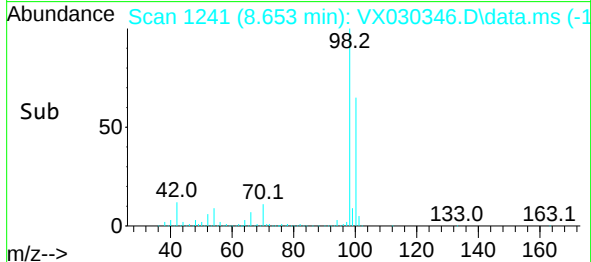
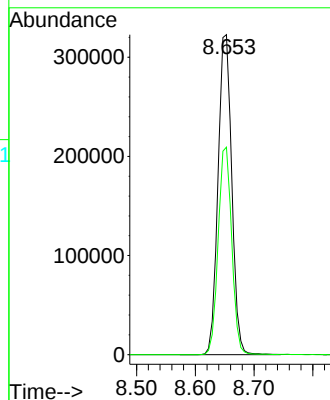
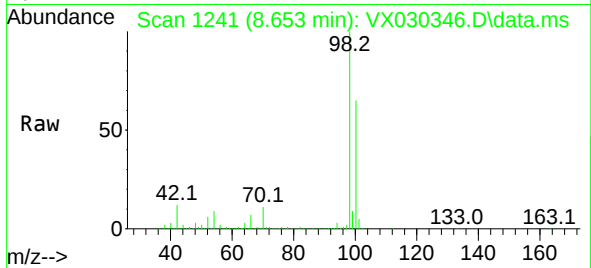




#50
Toluene-d8
Concen: 50.565 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

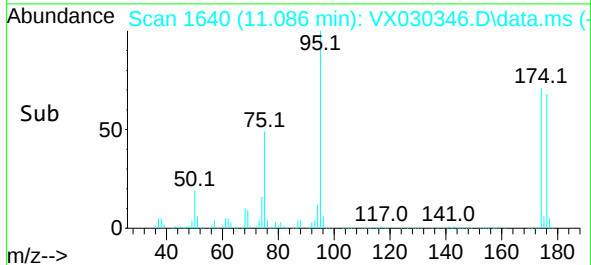
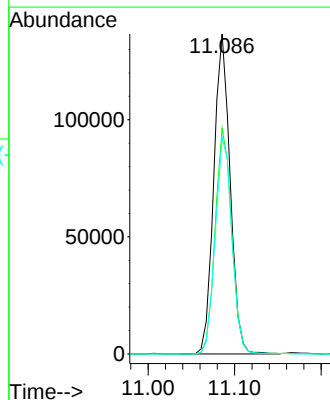
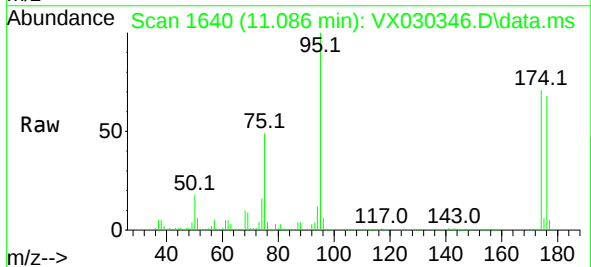
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

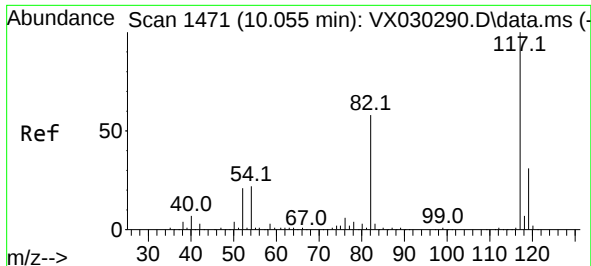
Tgt Ion: 98 Resp: 522776
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.647 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

Tgt Ion: 95 Resp: 178981
Ion Ratio Lower Upper
95 100
174 71.0 0.0 149.0
176 69.1 0.0 146.0

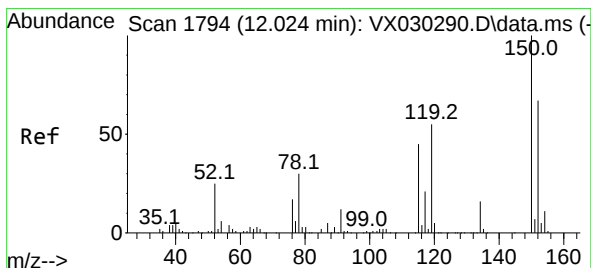
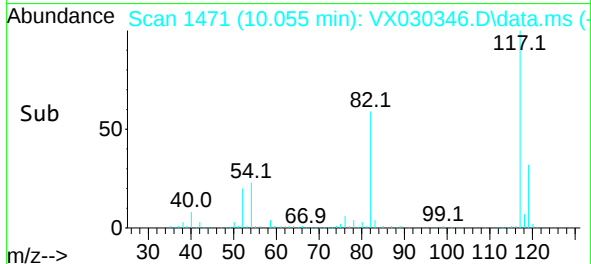
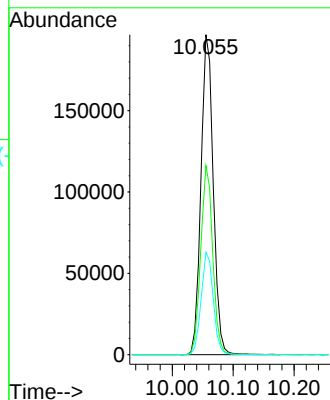
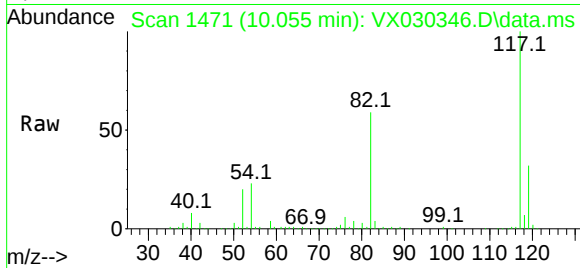




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

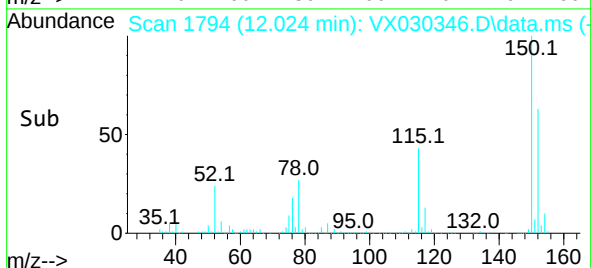
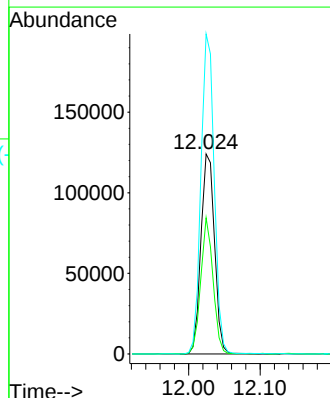
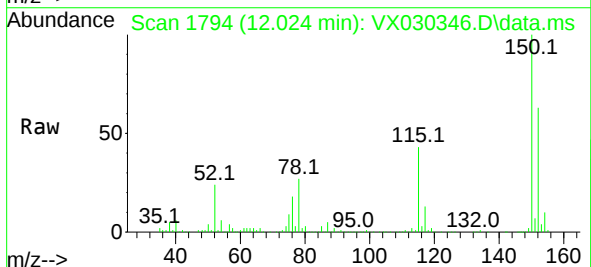
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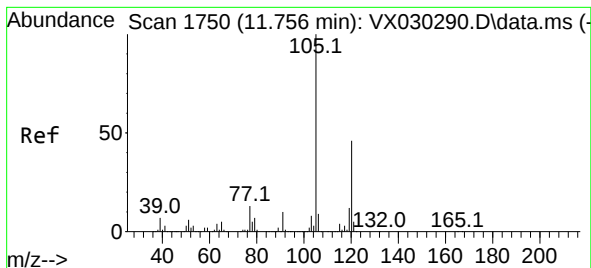
Tgt Ion:117 Resp: 275967
Ion Ratio Lower Upper
117 100
82 59.1 42.7 64.1
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030346.D
Acq: 02 Aug 2022 12:46

Tgt Ion:152 Resp: 164198
Ion Ratio Lower Upper
152 100
115 61.4 40.5 121.5
150 155.5 0.0 347.0





#84

1,2,4-Trimethylbenzene

Concen: 1.233 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX030346.D

Acq: 02 Aug 2022 12:46

Instrument :

MSVOA_X

ClientSampleId :

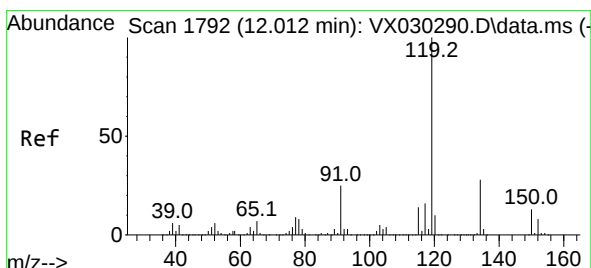
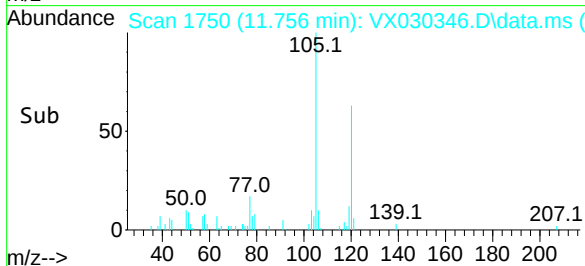
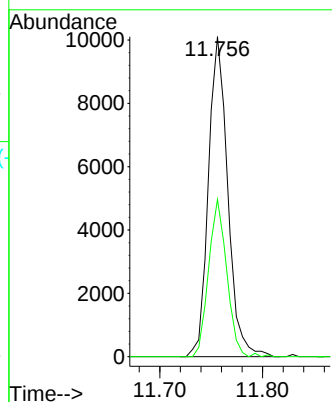
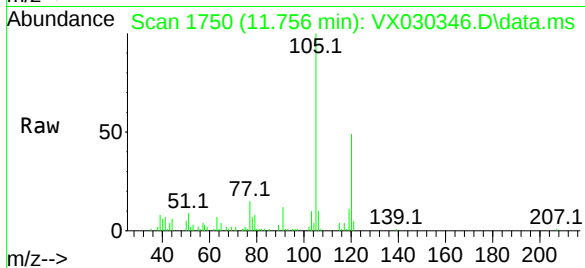
HMGP-SOIL-A

Tgt Ion:105 Resp: 13200

Ion Ratio Lower Upper

105 100

120 46.2 22.9 68.8



#86

p-Isopropyltoluene

Concen: 1.247 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VX030346.D

Acq: 02 Aug 2022 12:46

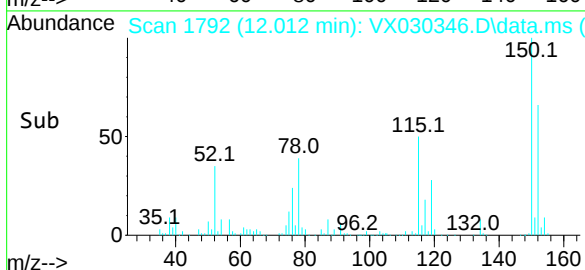
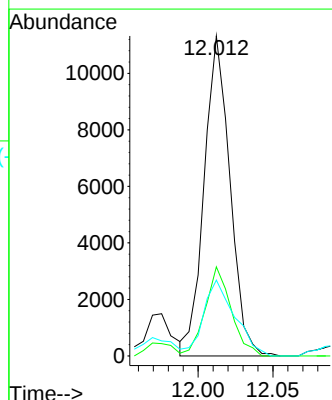
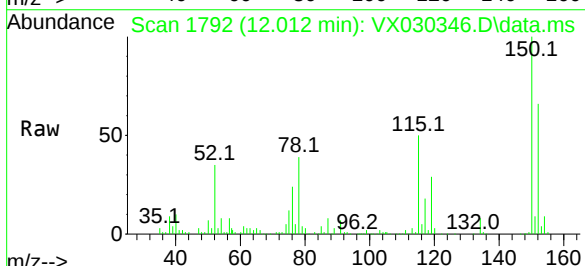
Tgt Ion:119 Resp: 13583

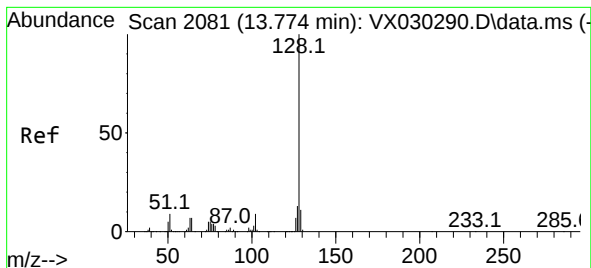
Ion Ratio Lower Upper

119 100

134 28.0 13.9 41.6

91 28.8 11.8 35.3





#95

Naphthalene

Concen: 33.911 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030346.D

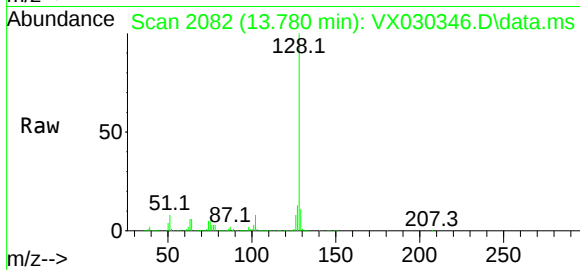
Acq: 02 Aug 2022 12:46

Instrument :

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Tgt Ion:128 Resp: 441167

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 11.0 8.6 13.0

