

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
 Data File : VX030347.D
 Acq On : 02 Aug 2022 13:10
 Operator : JC/MD
 Sample : N3964-03
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-B

Quant Time: Aug 02 15:49:28 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)

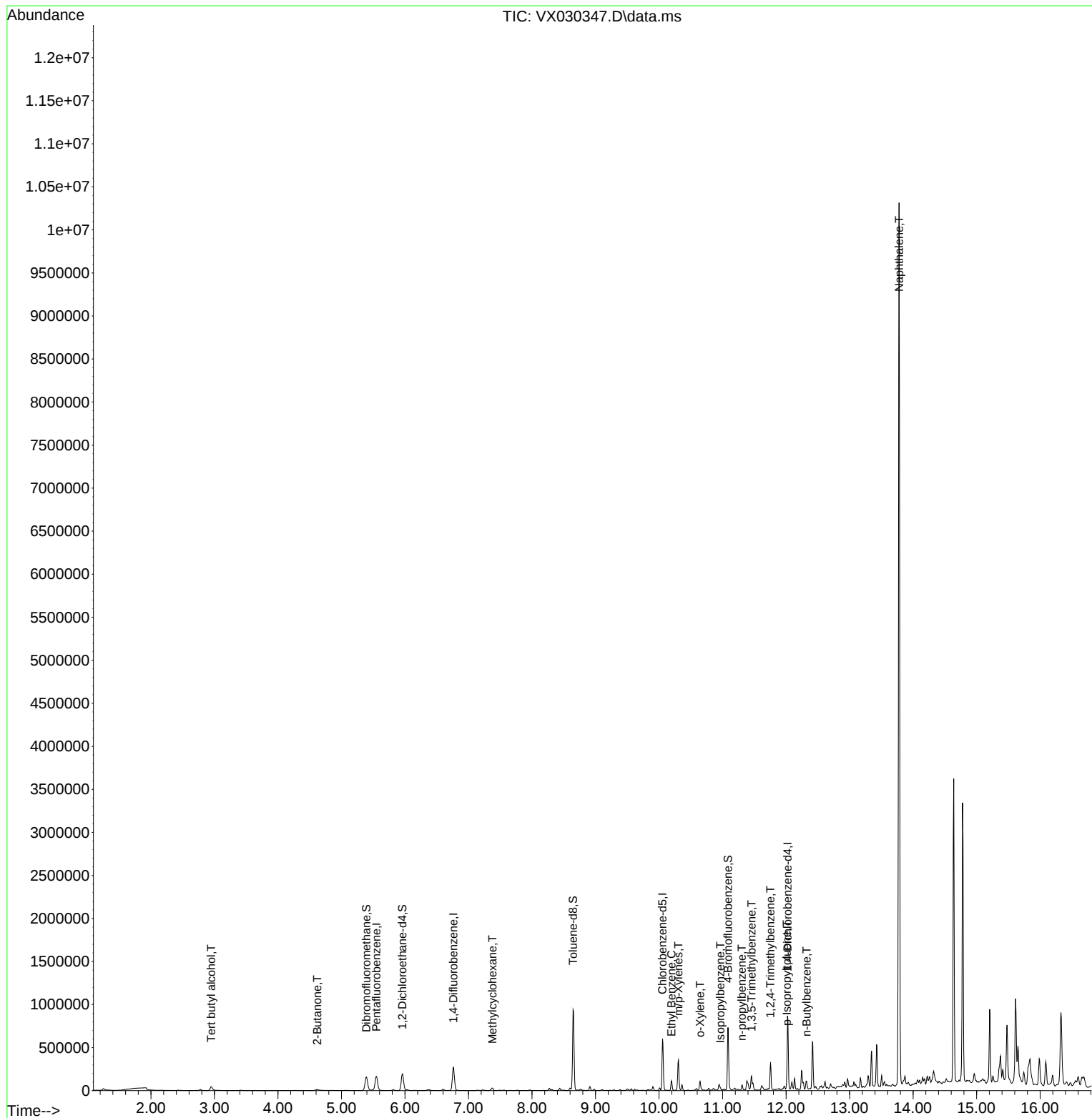
Internal Standards						
1) Pentafluorobenzene	5.550	168	159994	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	276183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	184934	57.508	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.020%
35) Dibromofluoromethane	5.391	113	147246	55.771	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.540%
50) Toluene-d8	8.647	98	572725	56.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	112.040%
62) 4-Bromofluorobenzene	11.085	95	204564	53.910	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	33680	42.936	ug/l #	76
25) 2-Butanone	4.617	43	34349	12.415	ug/l	100
39) Methylcyclohexane	7.379	83	13100	2.671	ug/l	95
67) Ethyl Benzene	10.195	91	63355	3.628	ug/l	99
68) m/p-Xylenes	10.305	106	81604	15.794	ug/l	95
69) o-Xylene	10.646	106	22959	4.508	ug/l	97
73) Isopropylbenzene	10.963	105	15240	1.128	ug/l	98
78) n-propylbenzene	11.305	91	38882	2.411	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	72053	6.367	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	135567	12.008	ug/l	97
86) p-Isopropyltoluene	12.012	119	20946	1.824	ug/l	88
89) n-Butylbenzene	12.323	91	12774	1.195	ug/l #	16
95) Naphthalene	13.780	128	5949475	433.758	ug/l	97

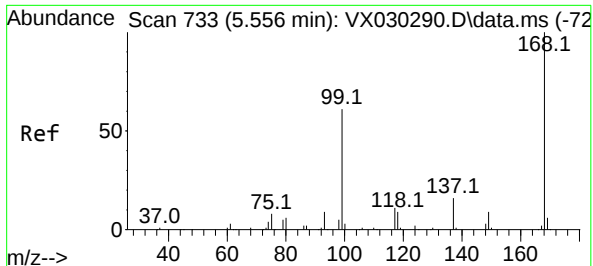
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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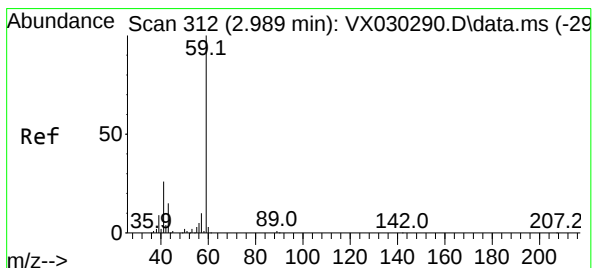
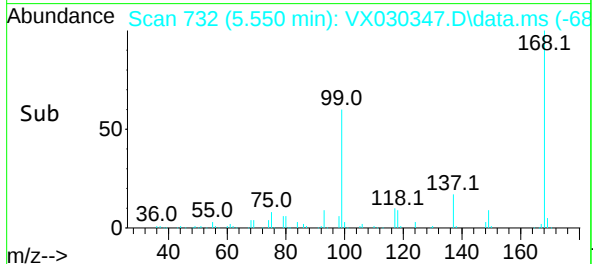
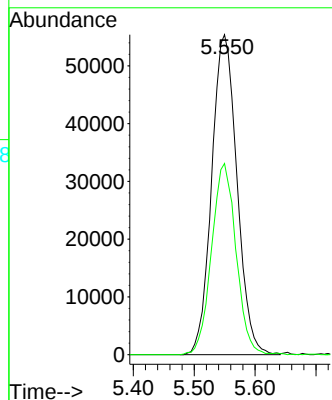
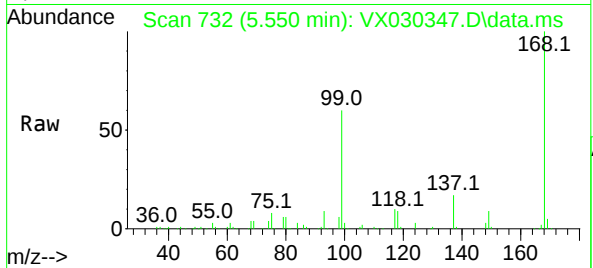




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

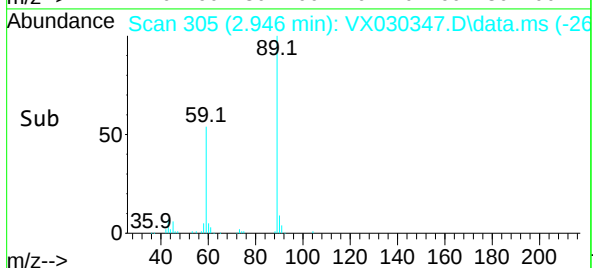
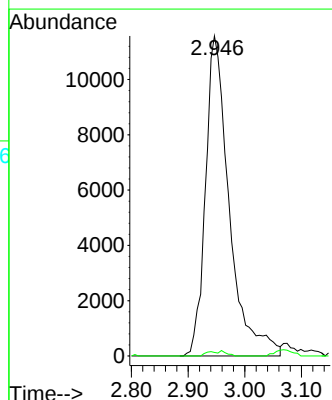
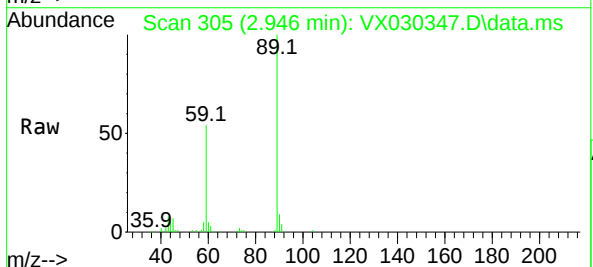
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

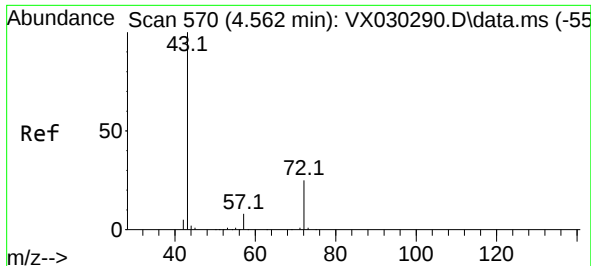
Tgt Ion:168 Resp: 159994
Ion Ratio Lower Upper
168 100
99 59.8 44.0 66.0



#11
Tert butyl alcohol
Concen: 42.936 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion: 59 Resp: 33680
Ion Ratio Lower Upper
59 100
57 0.7 7.4 11.2#

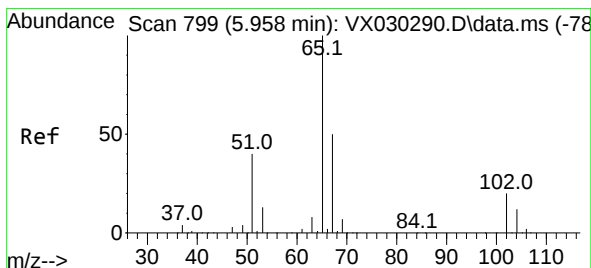
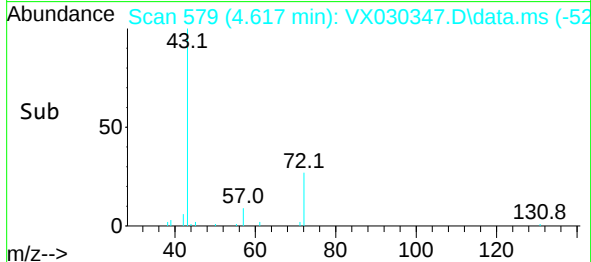
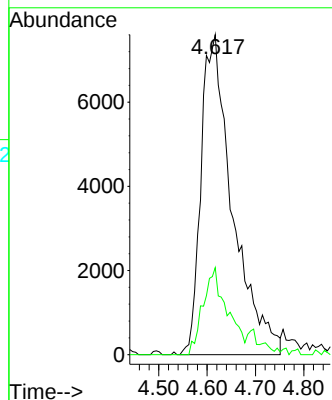
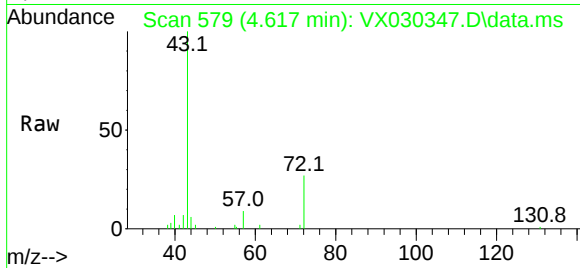




#25
2-Butanone
Concen: 12.415 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

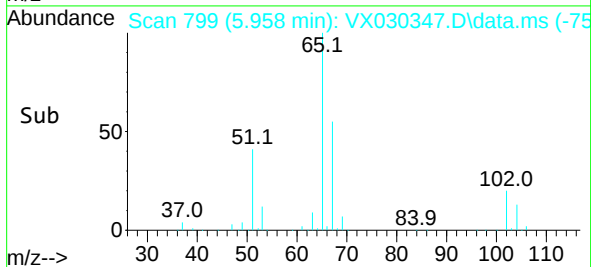
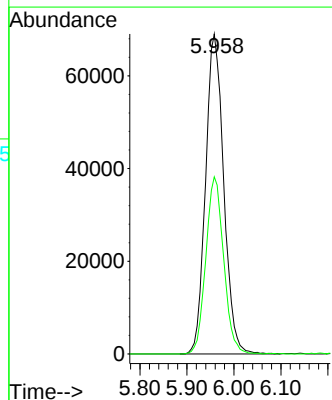
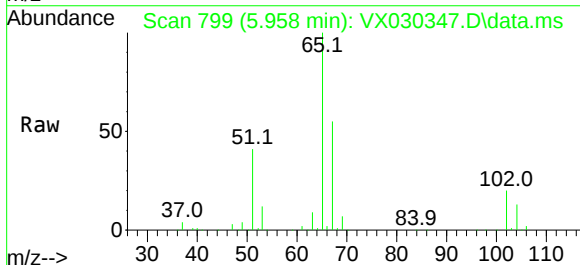
Instrument :
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ClientSampleId :
HMGP-SOIL-B

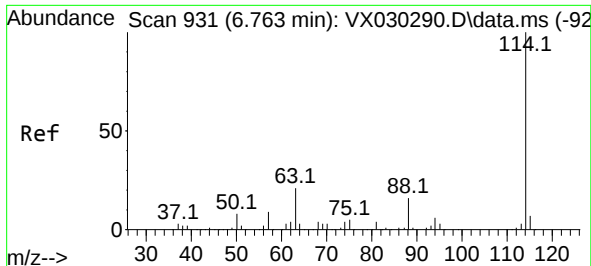
Tgt Ion: 43 Resp: 34349
Ion Ratio Lower Upper
43 100
72 27.2 21.7 32.5



#33
1,2-Dichloroethane-d4
Concen: 57.508 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion: 65 Resp: 184934
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.6

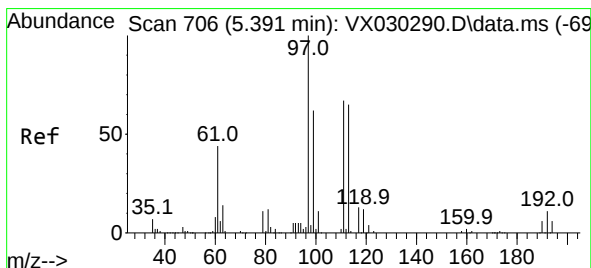
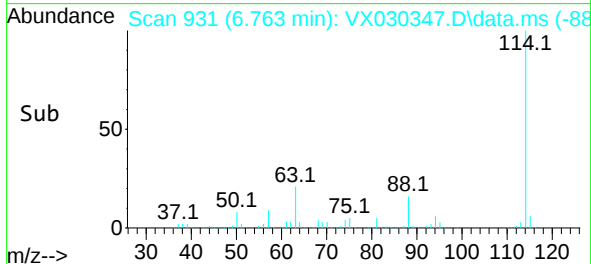
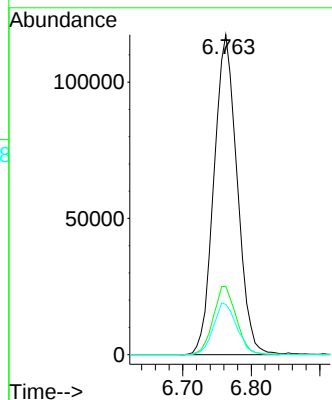
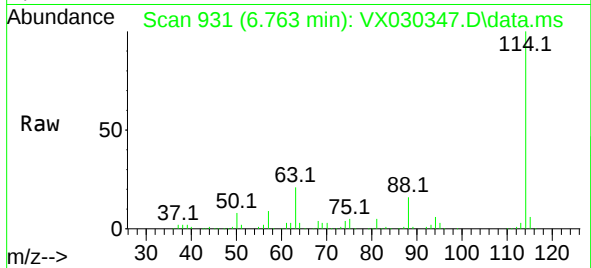




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

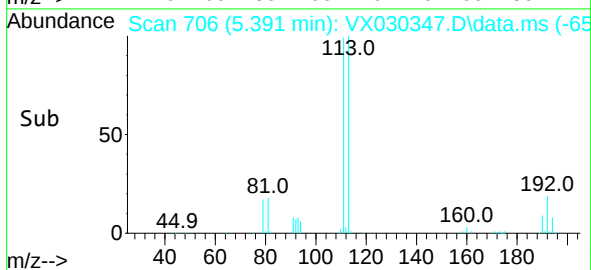
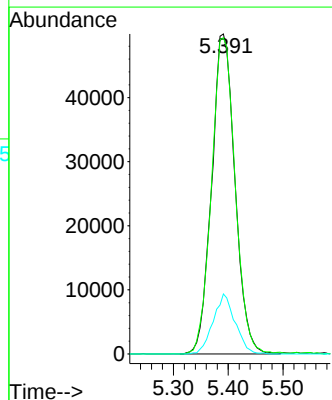
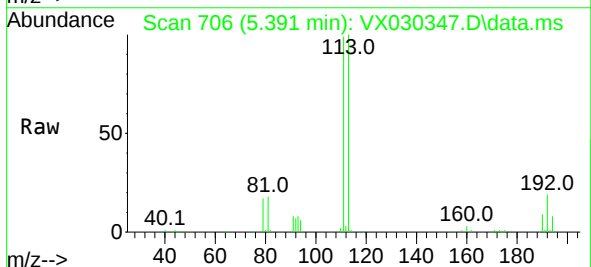
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

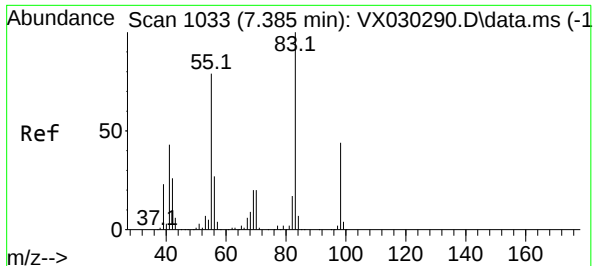
Tgt Ion:114 Resp: 276183
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.4
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.771 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion:113 Resp: 147246
Ion Ratio Lower Upper
113 100
111 100.2 83.2 124.8
192 17.7 14.8 22.2





#39

Methylcyclohexane

Concen: 2.671 ug/l

RT: 7.379 min Scan# 1033

Delta R.T. -0.005 min

Lab File: VX030347.D

Acq: 02 Aug 2022 13:10

Instrument :

MSVOA_X

ClientSampleId :

HMGP-SOIL-B

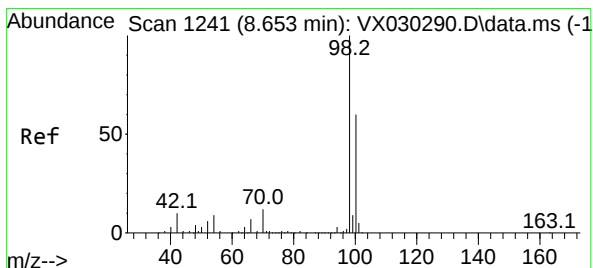
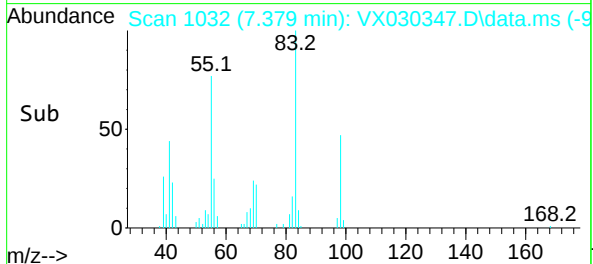
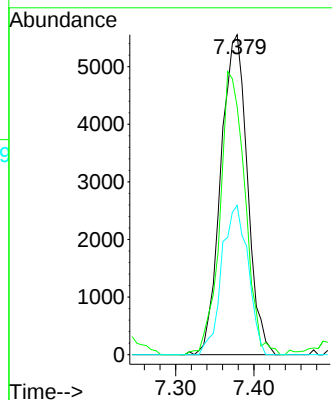
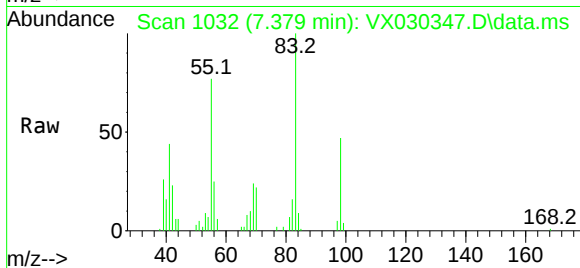
Tgt Ion: 83 Resp: 13100

Ion Ratio Lower Upper

83 100

55 77.4 57.7 86.5

98 46.7 36.5 54.7



#50

Toluene-d8

Concen: 56.015 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.005 min

Lab File: VX030347.D

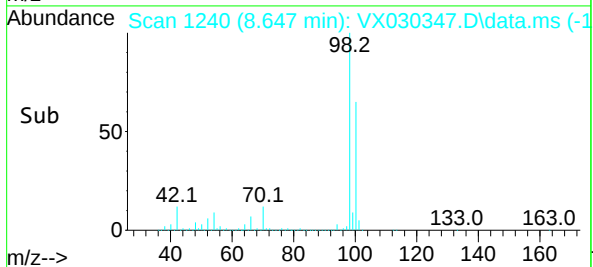
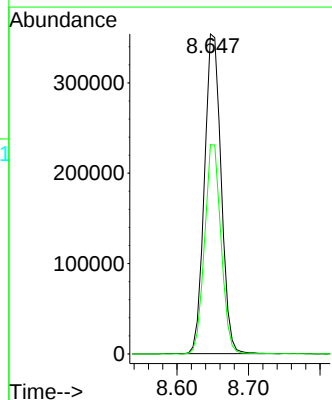
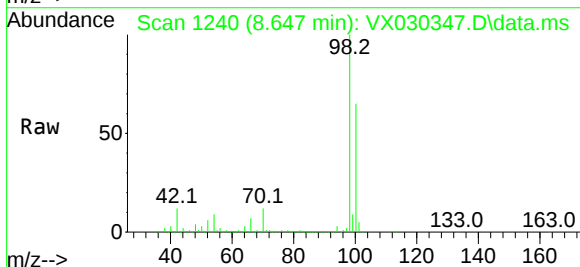
Acq: 02 Aug 2022 13:10

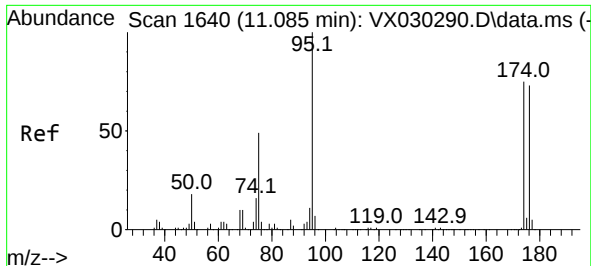
Tgt Ion: 98 Resp: 572725

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5

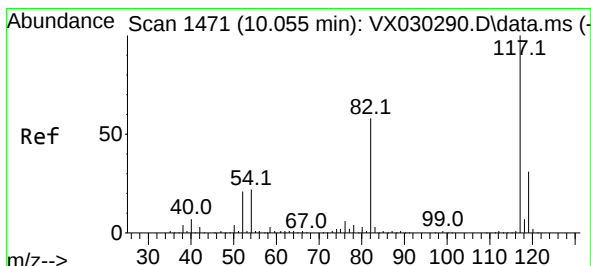
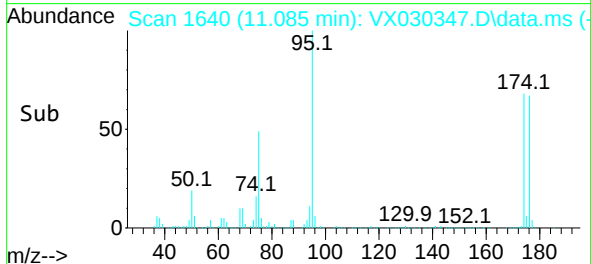
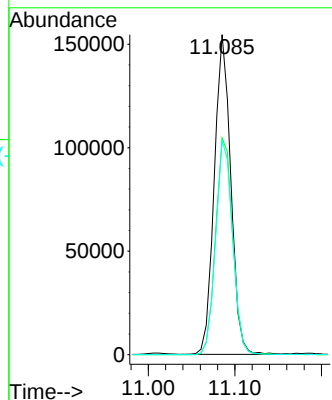
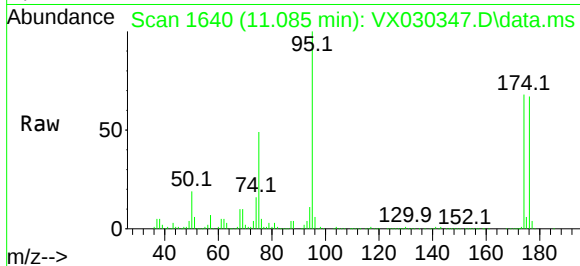




#62
4-Bromofluorobenzene
Concen: 53.910 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

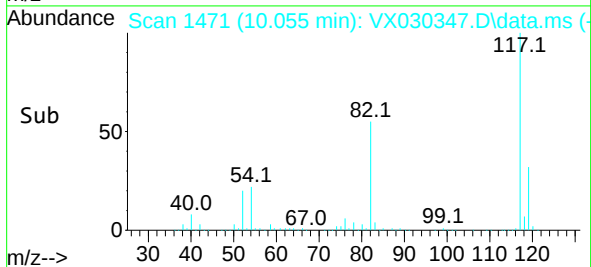
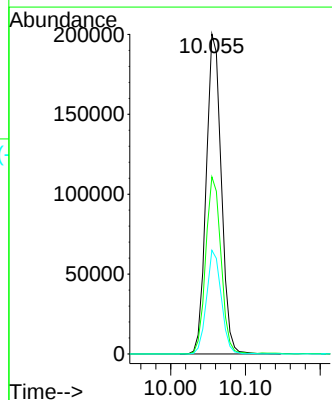
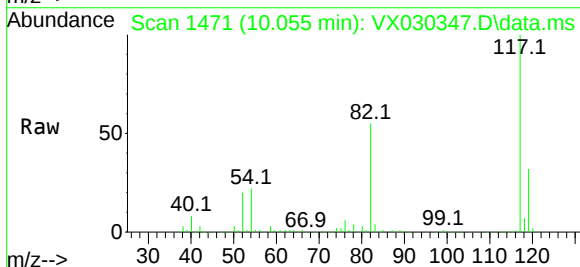
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

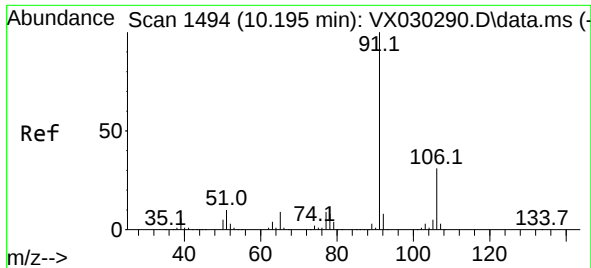
Tgt Ion: 95 Resp: 204564
Ion Ratio Lower Upper
95 100
174 70.1 0.0 149.0
176 68.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion: 117 Resp: 280783
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 32.4 25.4 38.2

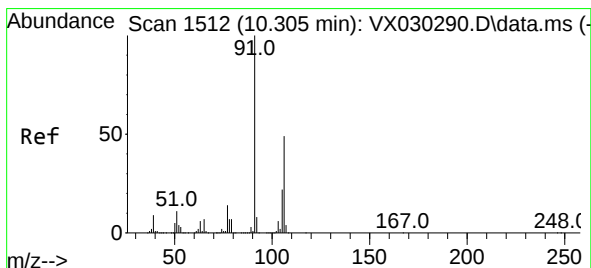
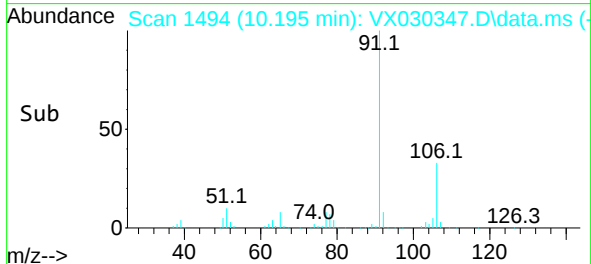
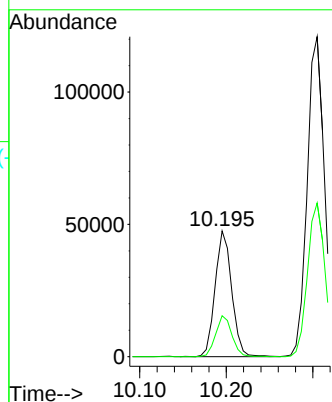
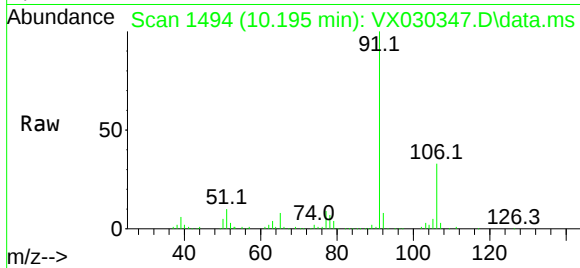




#67
Ethyl Benzene
Concen: 3.628 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

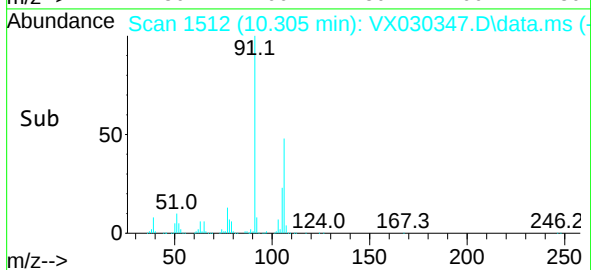
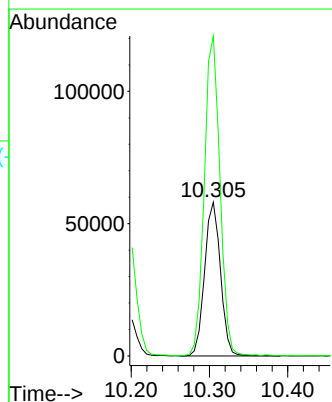
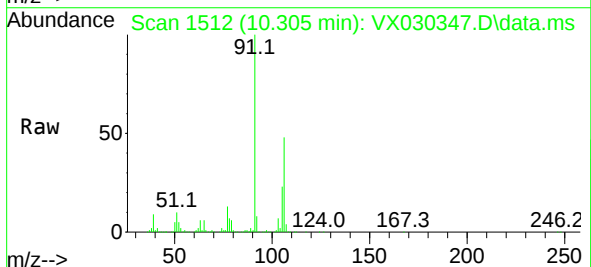
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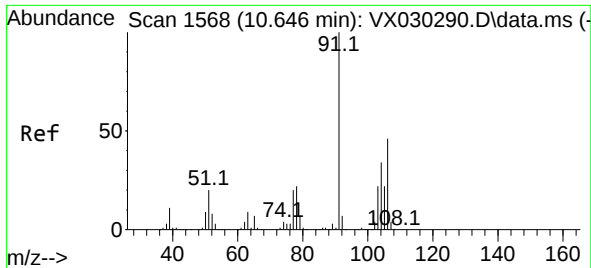
Tgt Ion: 91 Resp: 63355
Ion Ratio Lower Upper
91 100
106 32.6 25.5 38.3



#68
m/p-Xylenes
Concen: 15.794 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion: 106 Resp: 81604
Ion Ratio Lower Upper
106 100
91 205.2 158.2 237.4

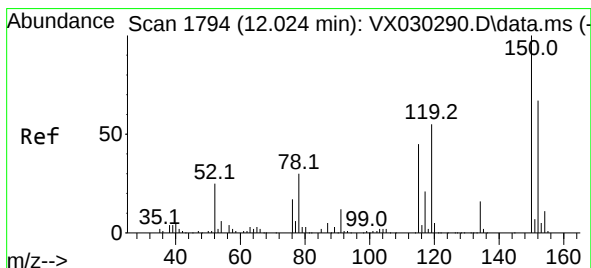
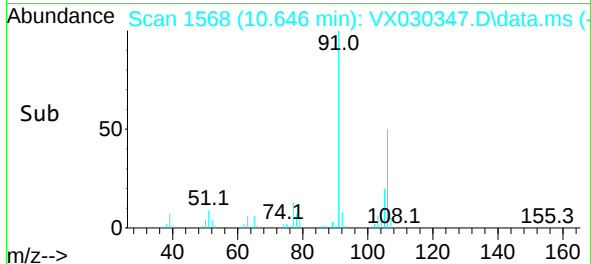
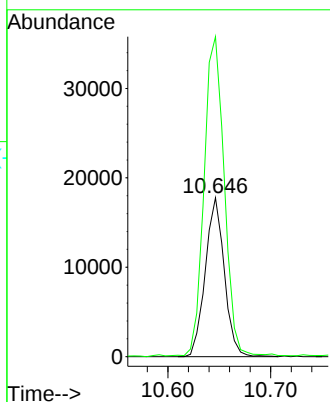
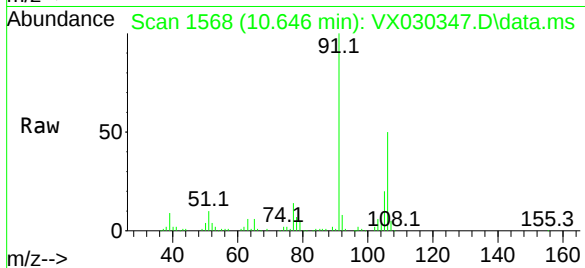




#69
o-Xylene
Concen: 4.508 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

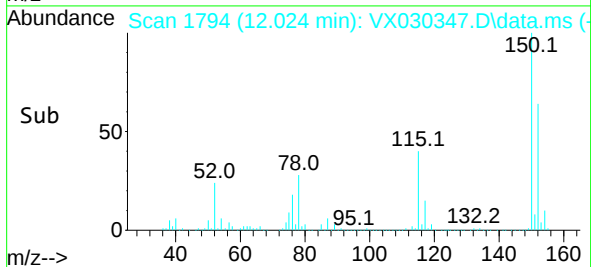
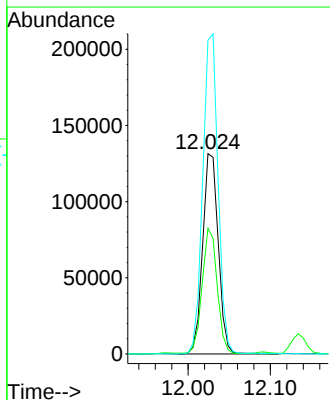
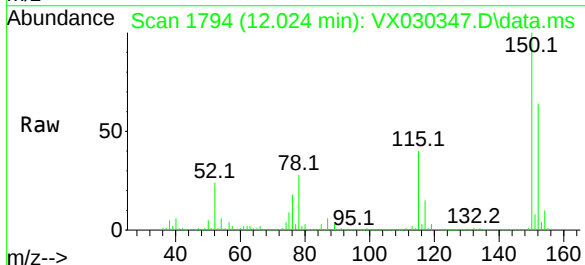
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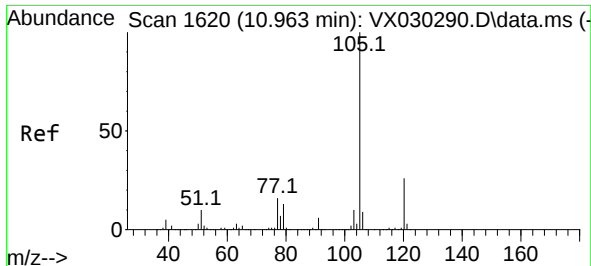
Tgt Ion:106 Resp: 22959
Ion Ratio Lower Upper
106 100
91 211.9 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion:152 Resp: 173117
Ion Ratio Lower Upper
152 100
115 60.3 40.5 121.5
150 157.3 0.0 347.0

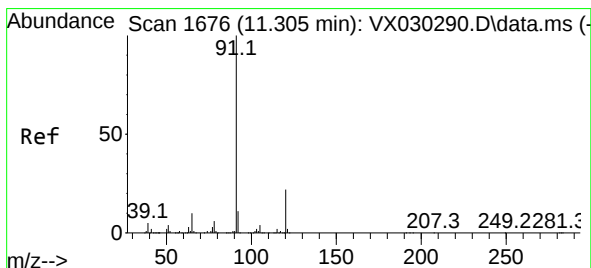
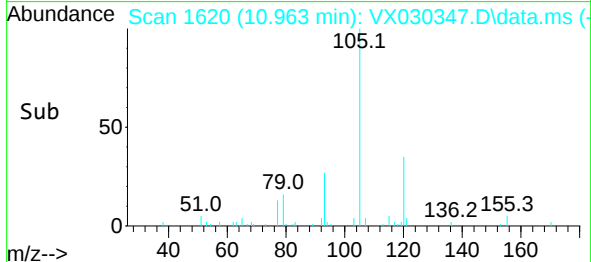
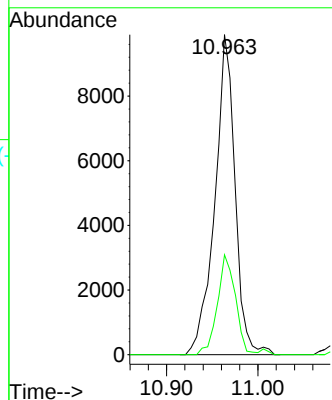
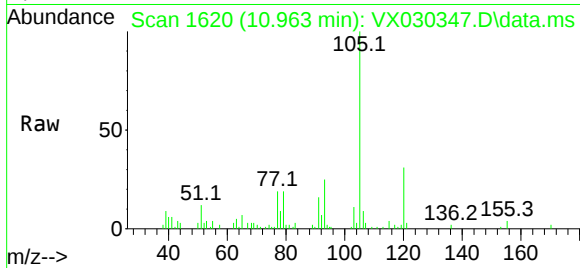




#73
Isopropylbenzene
Concen: 1.128 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

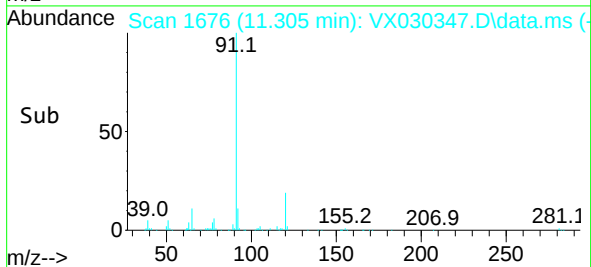
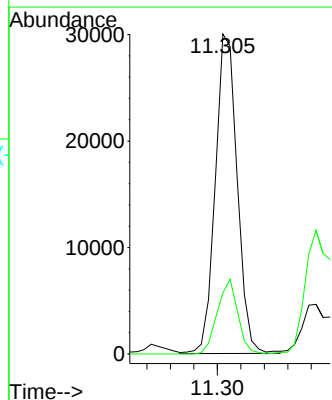
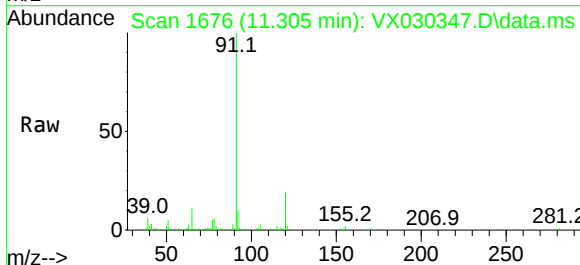
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

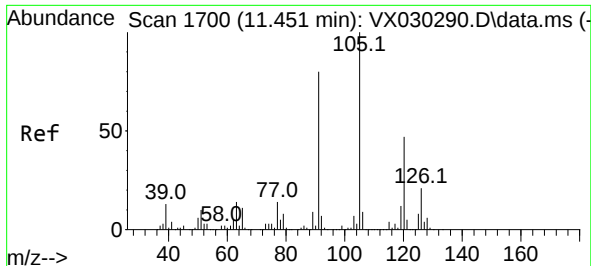
Tgt Ion:105 Resp: 15240
Ion Ratio Lower Upper
105 100
120 27.9 13.5 40.4



#78
n-propylbenzene
Concen: 2.411 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.005 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion: 91 Resp: 38882
Ion Ratio Lower Upper
91 100
120 21.7 11.6 34.8

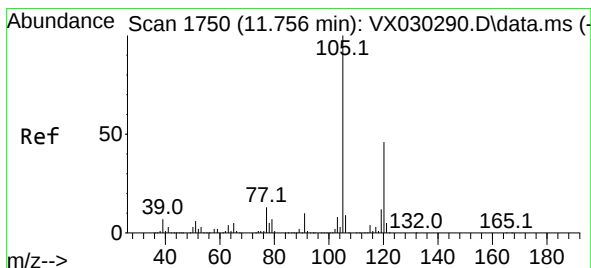
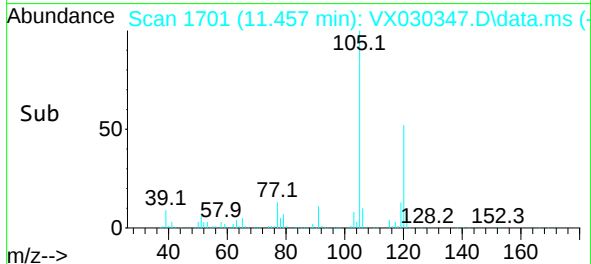
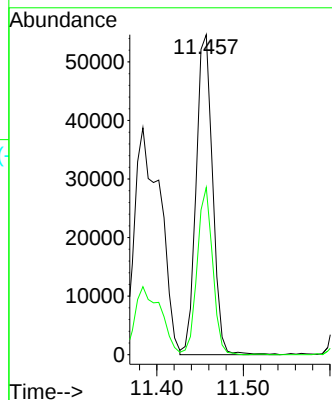
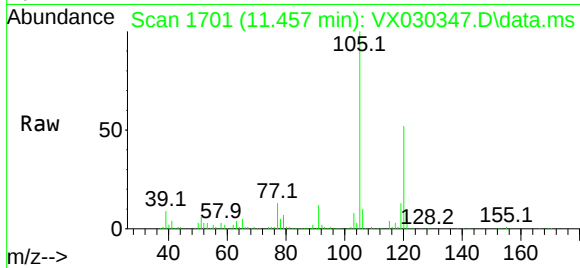




#80
1,3,5-Trimethylbenzene
Concen: 6.367 ug/l
RT: 11.457 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

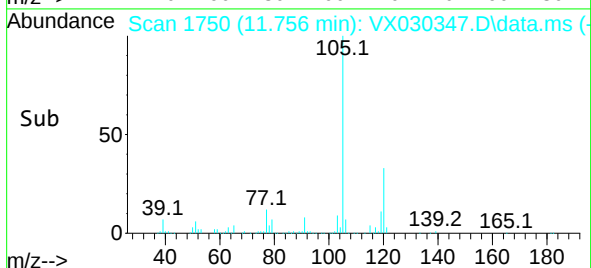
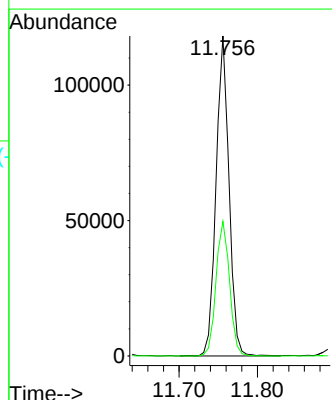
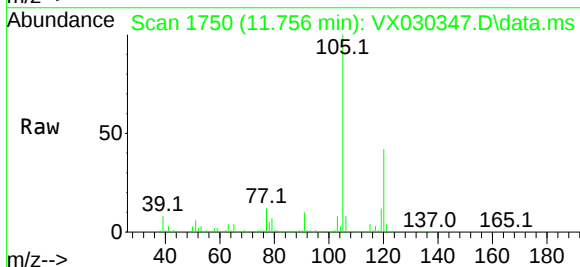
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

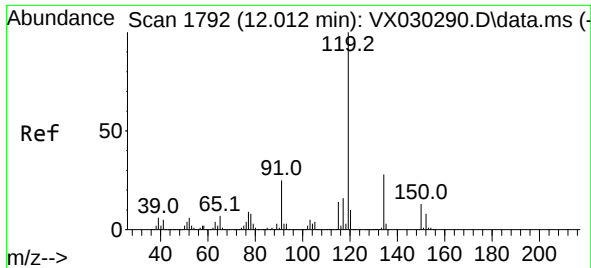
Tgt Ion:105 Resp: 72053
Ion Ratio Lower Upper
105 100
120 49.1 24.4 73.2



#84
1,2,4-Trimethylbenzene
Concen: 12.008 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Tgt Ion:105 Resp: 135567
Ion Ratio Lower Upper
105 100
120 43.9 22.9 68.8

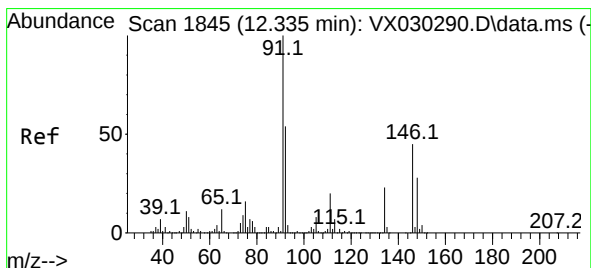
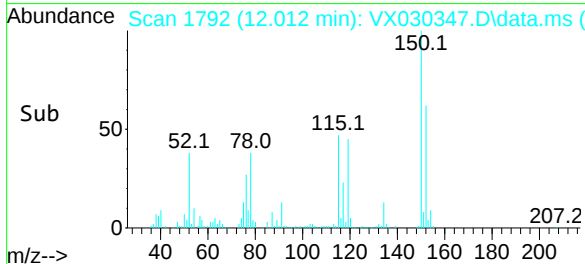
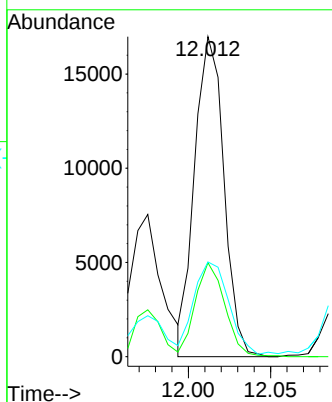
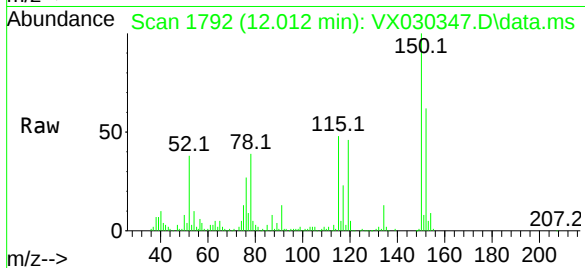




#86
 p-Isopropyltoluene
 Concen: 1.824 ug/l
 RT: 12.012 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VX030347.D
 Acq: 02 Aug 2022 13:10

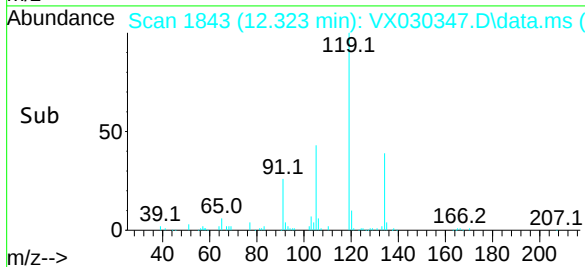
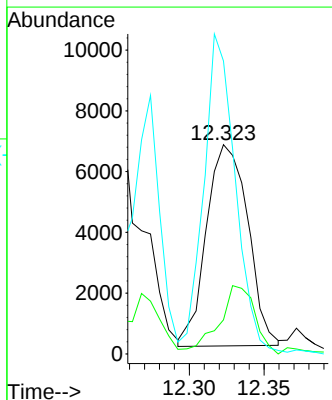
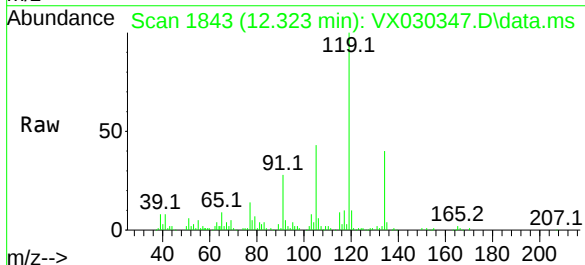
Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-B

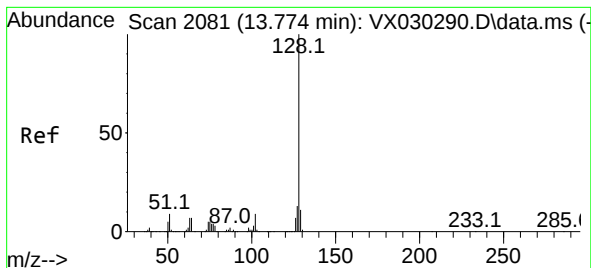
Tgt Ion:	119	Resp:	20946
Ion	Ratio	Lower	Upper
119	100		
134	29.7	13.9	41.6
91	33.8	11.8	35.3



#89
 n-Butylbenzene
 Concen: 1.195 ug/l
 RT: 12.323 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: VX030347.D
 Acq: 02 Aug 2022 13:10

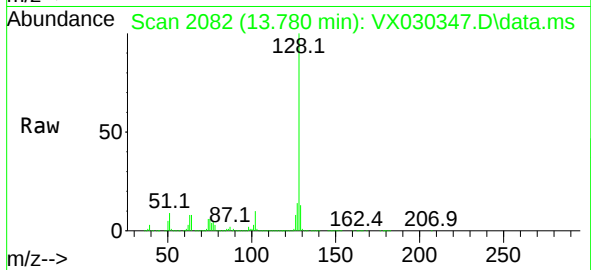
Tgt Ion:	91	Resp:	12774
Ion	Ratio	Lower	Upper
91	100		
92	28.9	26.2	78.5
134	120.2	12.6	37.8#





#95
Naphthalene
Concen: 433.758 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030347.D
Acq: 02 Aug 2022 13:10

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B



Tgt Ion:128 Resp: 5949475
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 12.1 8.6 13.0

