

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073673.D
 Acq On : 01 Aug 2022 20:37
 Operator : JC\MD
 Sample : N3964-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-C

Quant Time: Aug 02 05:06:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

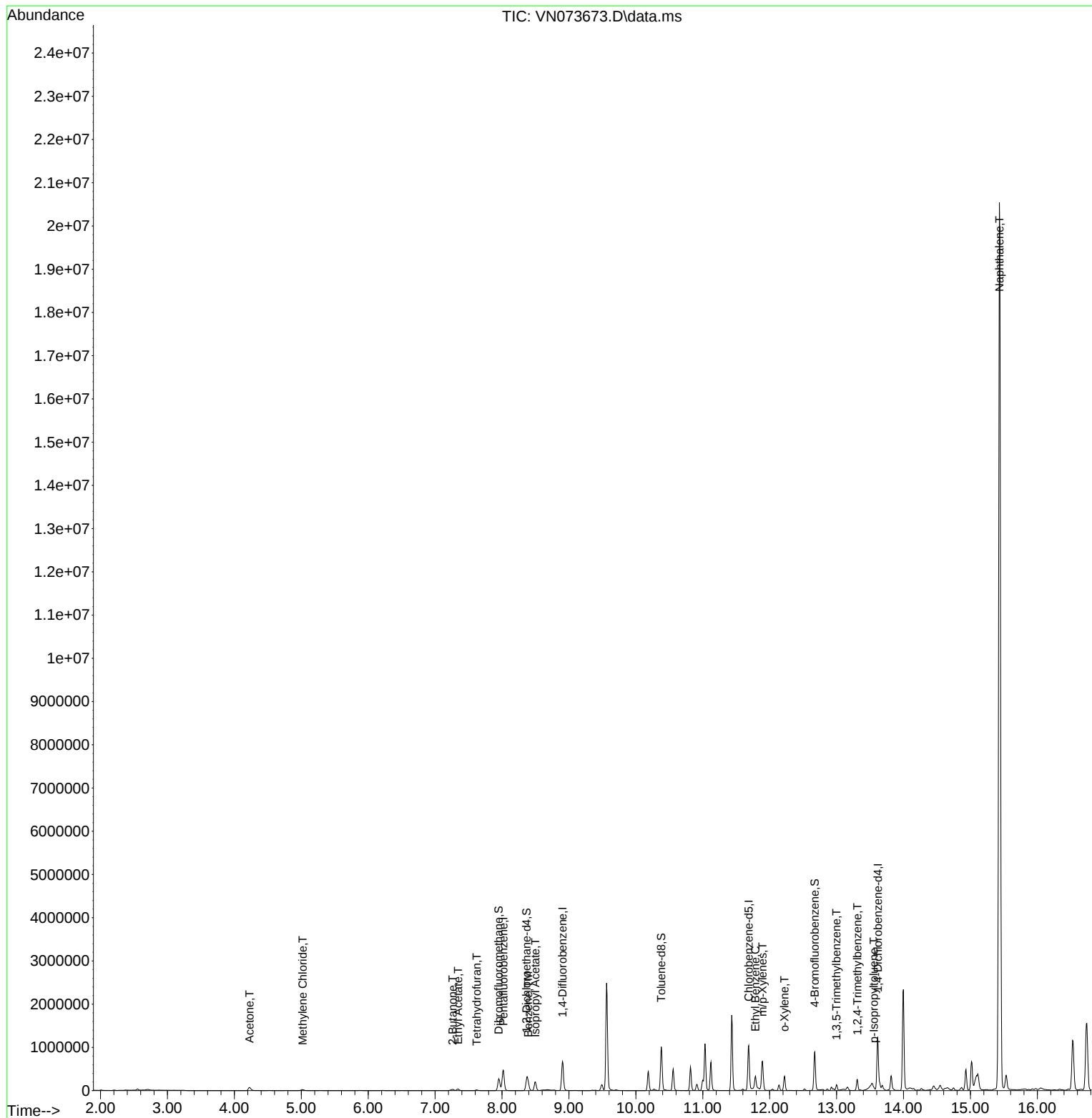
Internal Standards						
1) Pentafluorobenzene	8.022	168	386552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	622445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	621008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	350181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	216460	45.950	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	91.900%	
35) Dibromofluoromethane	7.951	113	205011	52.452	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	104.900%	
50) Toluene-d8	10.381	98	711039	46.229	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.460%	
62) 4-Bromofluorobenzene	12.674	95	290802	55.426	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	110.860%	
Target Compounds						
					Qvalue	
16) Acetone	4.228	43	135859	53.695	ug/l	97
20) Methylene Chloride	5.022	84	20976	3.055	ug/l	90
25) 2-Butanone	7.263	43	40354	10.270	ug/l	98
29) Tetrahydrofuran	7.622	42	12431	5.004	ug/l	99
37) Ethyl Acetate	7.345	43	57793	7.878	ug/l	98
40) Benzene	8.392	78	125691	6.948	ug/l	93
43) Isopropyl Acetate	8.498	43	230001	23.211	ug/l #	92
67) Ethyl Benzene	11.786	91	177249	7.965	ug/l	97
68) m/p-Xylenes	11.892	106	217060	25.574	ug/l	99
69) o-Xylene	12.222	106	89572	10.825	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	68969	3.269	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	147482	7.110	ug/l	99
86) p-Isopropyltoluene	13.557	119	20976	1.030	ug/l	90
95) Naphthalene	15.433	128	17916604	900.426	ug/l	95

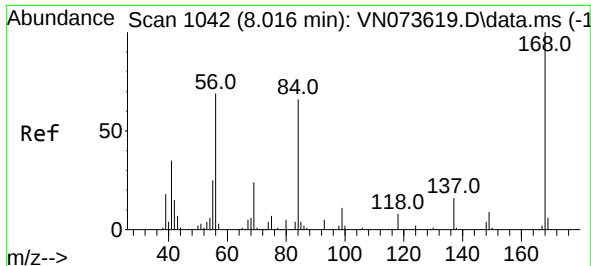
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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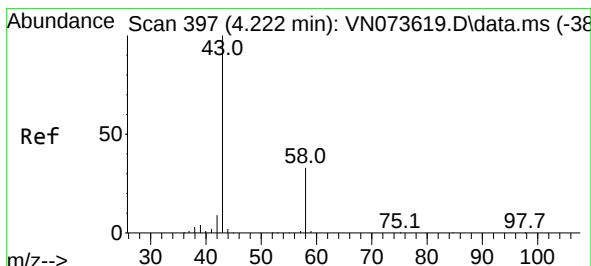
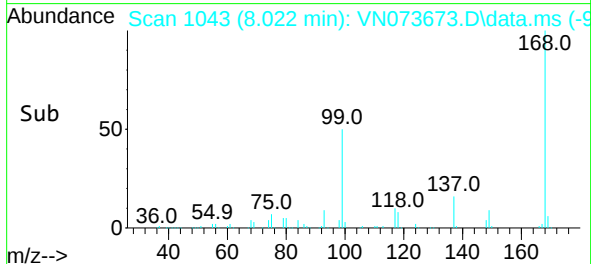
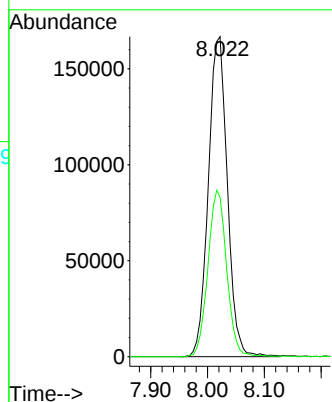
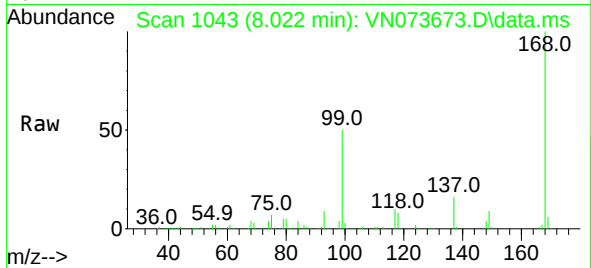




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

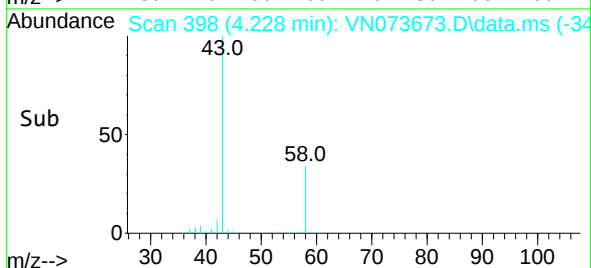
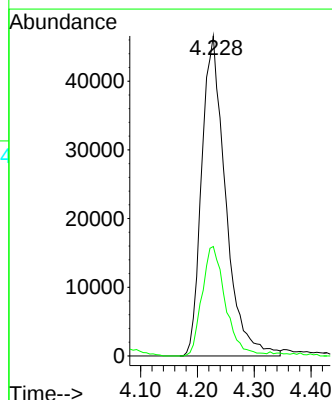
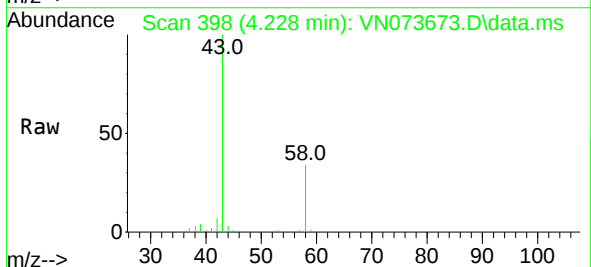
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

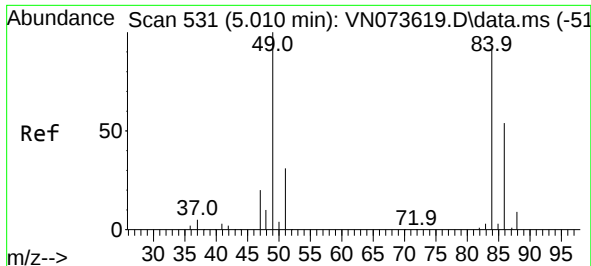
Tgt Ion:168 Resp: 386552
Ion Ratio Lower Upper
168 100
99 49.9 42.3 63.5



#16
Acetone
Concen: 53.695 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 43 Resp: 135859
Ion Ratio Lower Upper
43 100
58 34.2 26.0 39.0

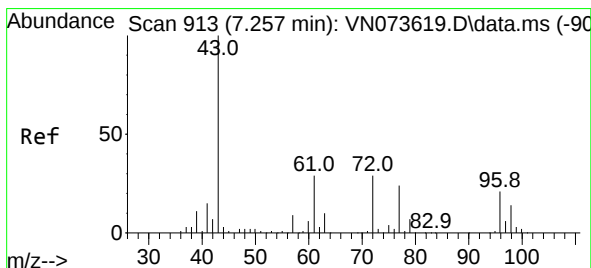
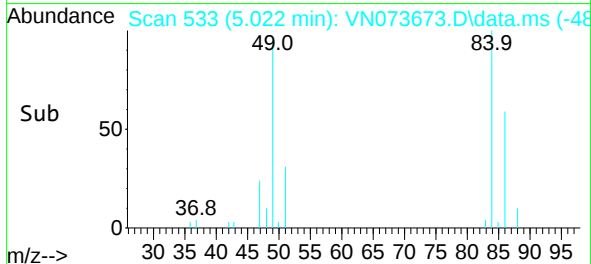
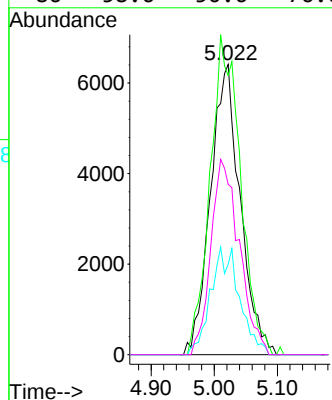
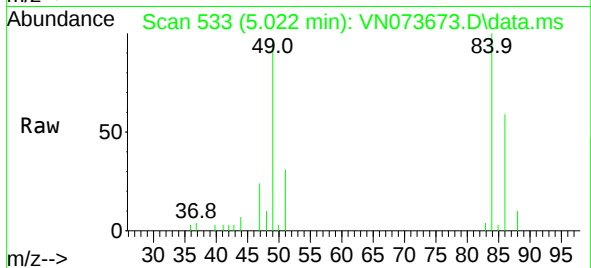




#20
Methylene Chloride
Concen: 3.055 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

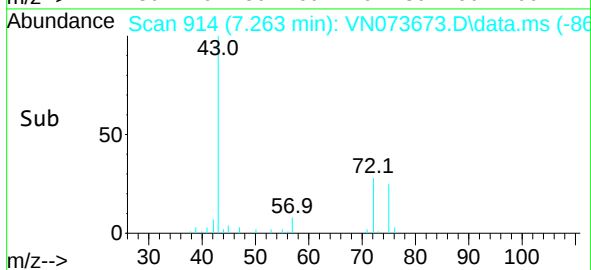
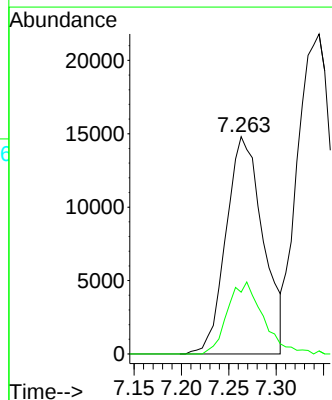
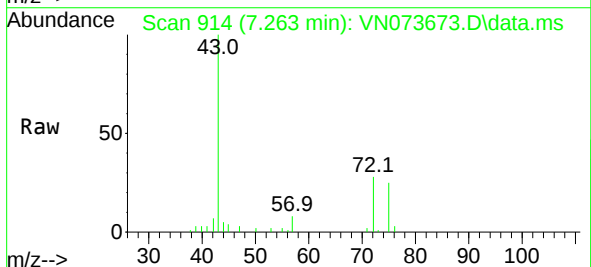
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

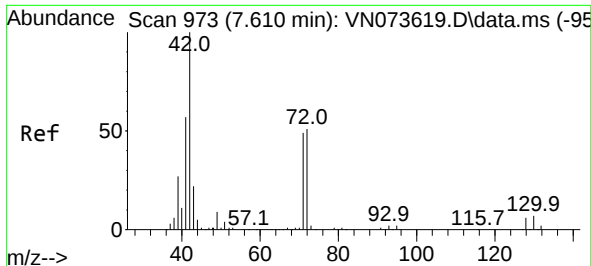
Tgt Ion: 84	Resp: 20976
Ion Ratio	Lower Upper
84 100	
49 96.2	88.3 132.5
51 31.1	28.2 42.2
86 58.6	50.6 76.0



#25
2-Butanone
Concen: 10.270 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 43	Resp: 40354
Ion Ratio	Lower Upper
43 100	
72 28.4	23.7 35.5





#29

Tetrahydrofuran

Concen: 5.004 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-C

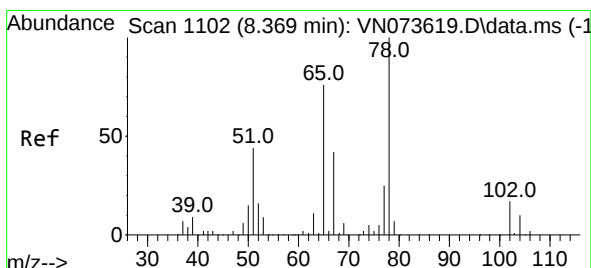
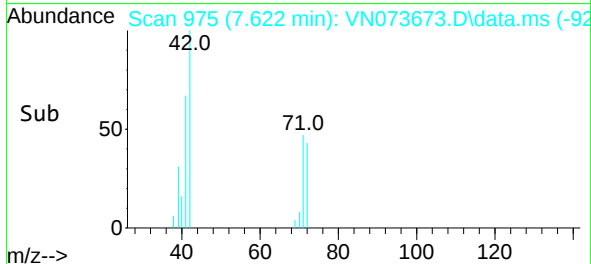
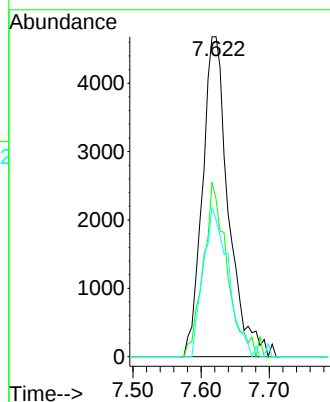
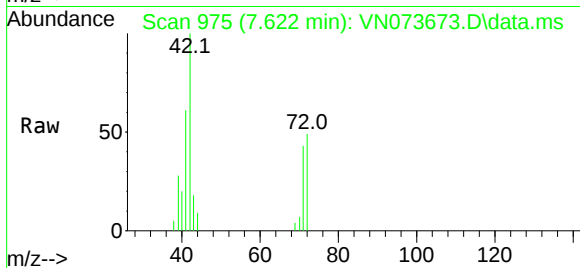
Tgt Ion: 42 Resp: 12431

Ion Ratio Lower Upper

42 100

72 50.3 39.7 59.5

71 45.4 36.6 55.0



#33

1,2-Dichloroethane-d4

Concen: 45.950 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073673.D

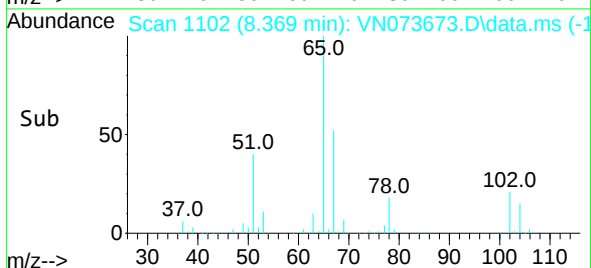
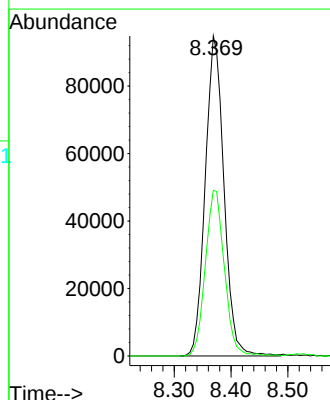
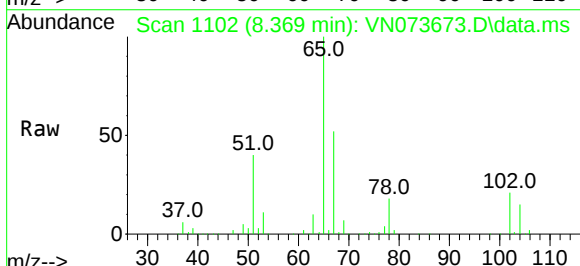
Acq: 01 Aug 2022 20:37

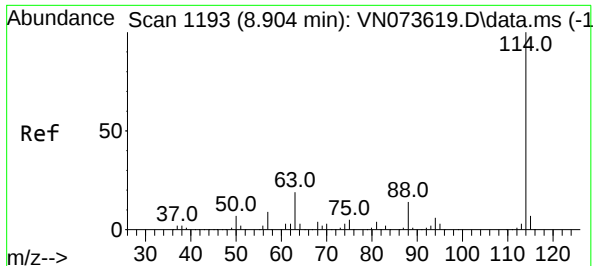
Tgt Ion: 65 Resp: 216460

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8

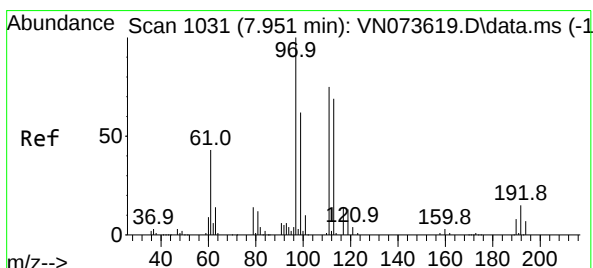
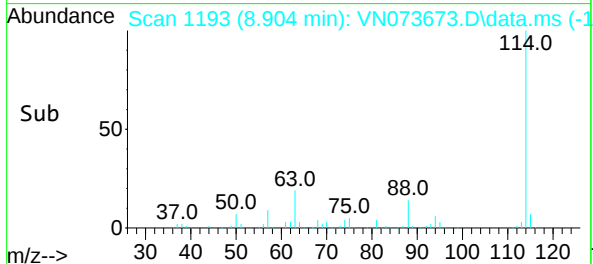
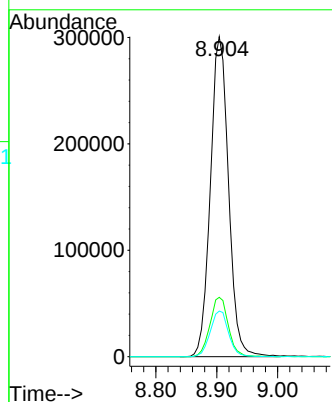
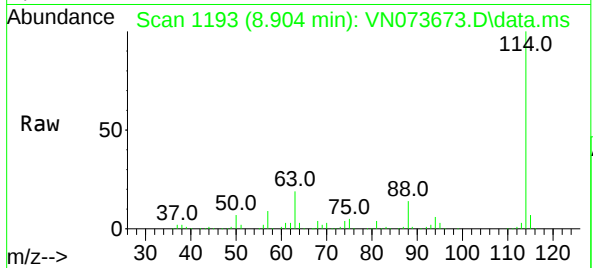




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

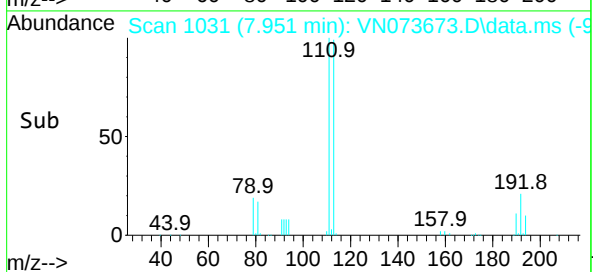
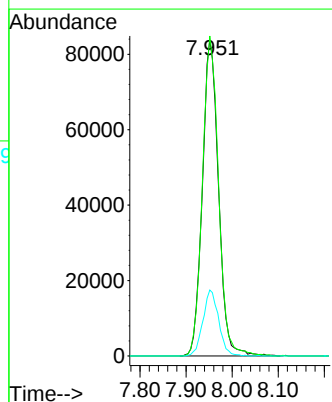
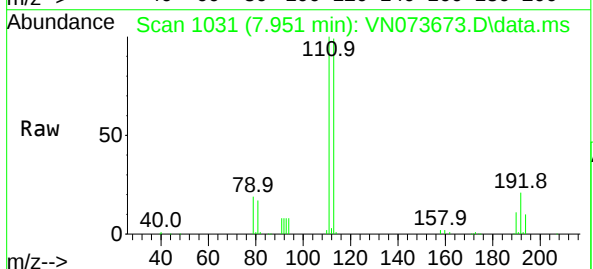
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

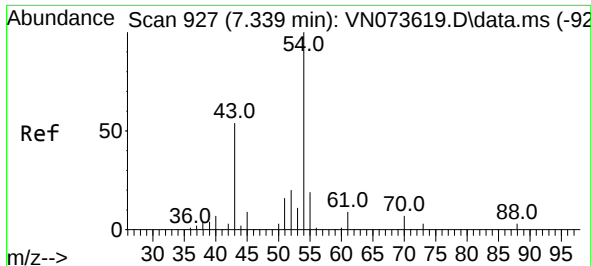
Tgt Ion:114 Resp: 622445
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.0
88 14.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.452 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion:113 Resp: 205011
Ion Ratio Lower Upper
113 100
111 101.2 81.4 122.0
192 20.4 17.0 25.6

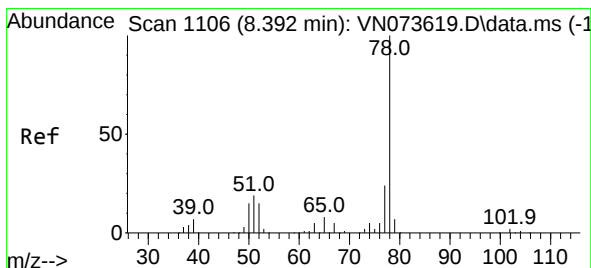
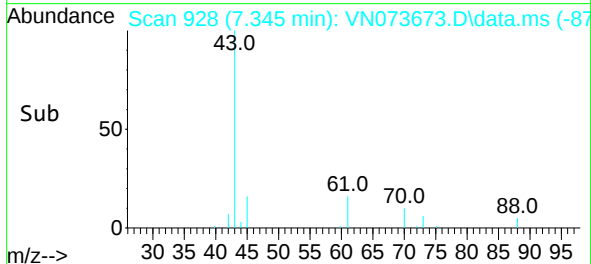
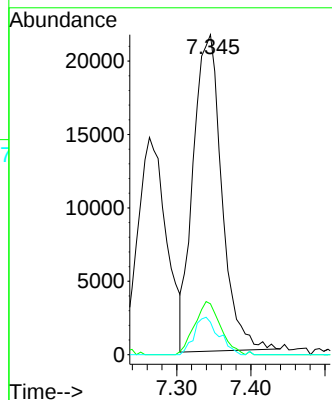
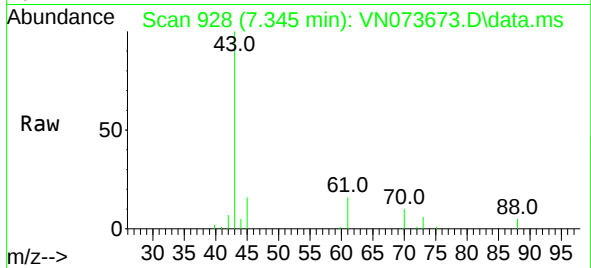




#37
Ethyl Acetate
Concen: 7.878 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

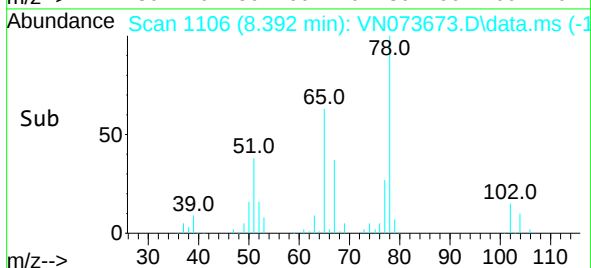
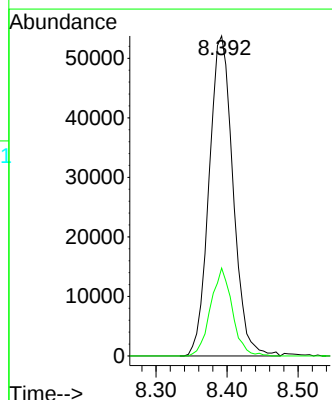
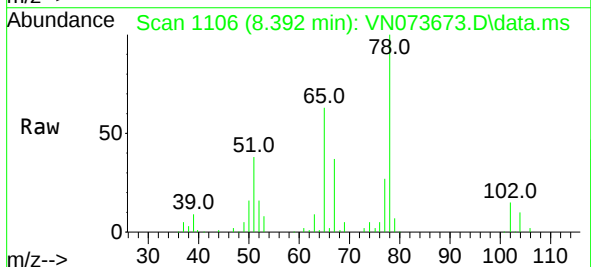
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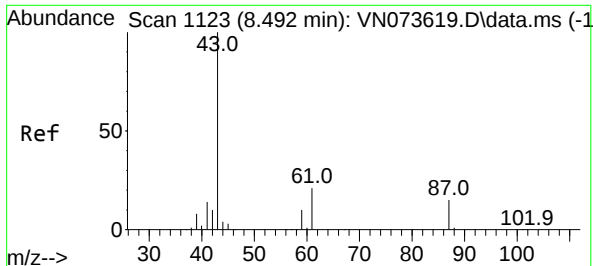
Tgt Ion: 43 Resp: 57793
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 10.2 9.3 13.9



#40
Benzene
Concen: 6.948 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 78 Resp: 125691
Ion Ratio Lower Upper
78 100
77 27.4 19.4 29.0

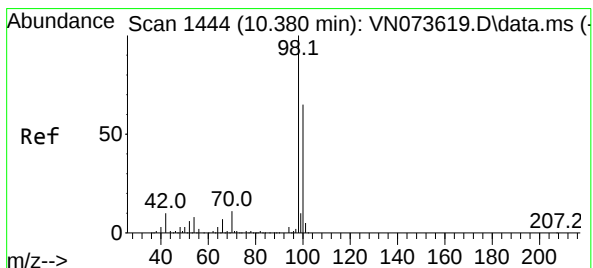
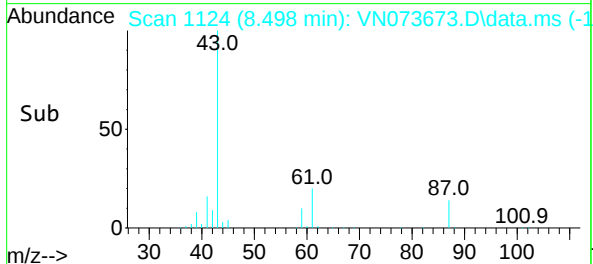
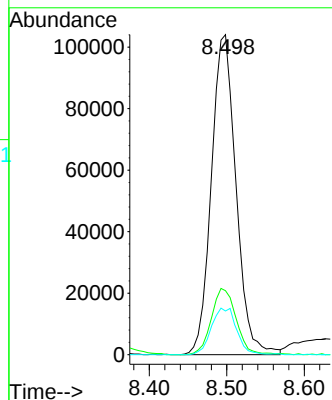
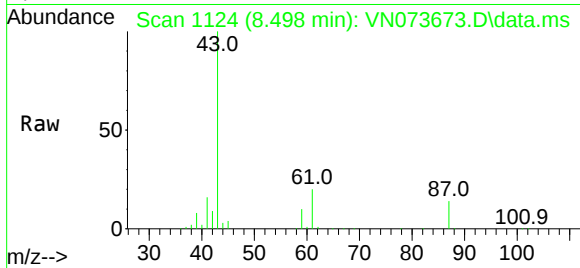




#43
Isopropyl Acetate
Concen: 23.211 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

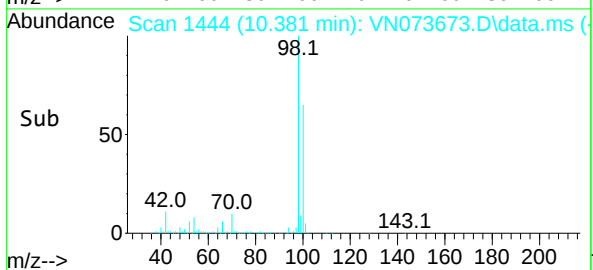
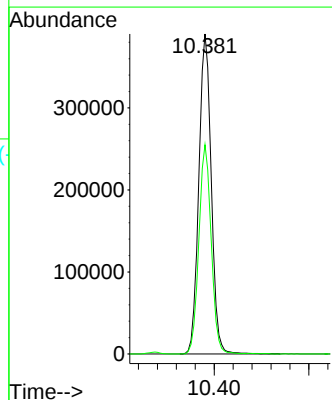
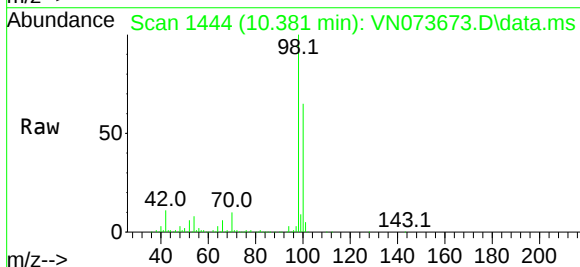
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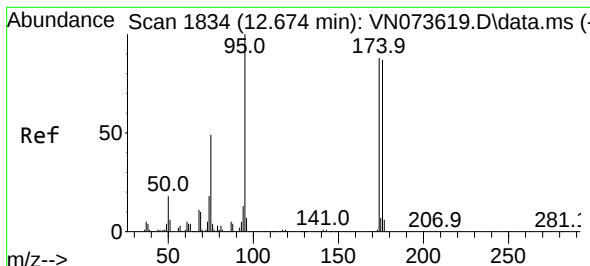
Tgt Ion: 43 Resp: 230001
Ion Ratio Lower Upper
43 100
61 21.0 21.9 32.9#
87 14.9 12.0 18.0



#50
Toluene-d8
Concen: 46.229 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 98 Resp: 711039
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

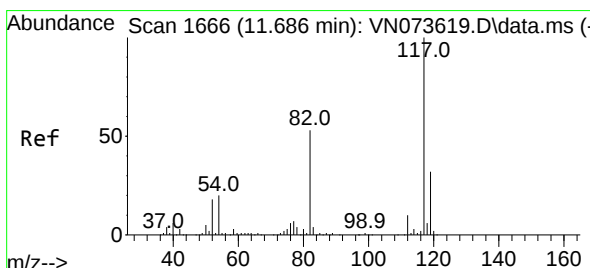
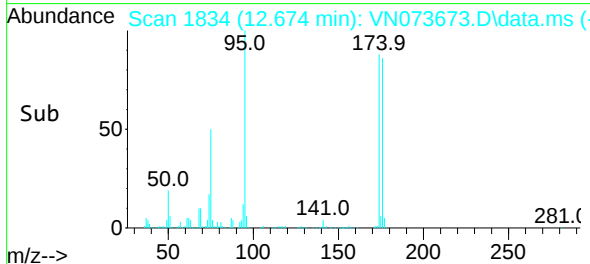
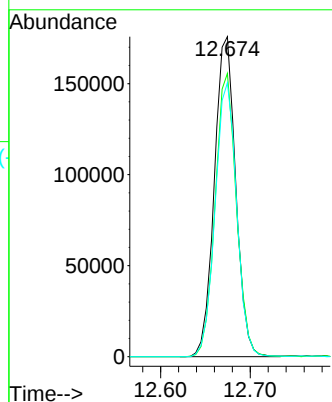
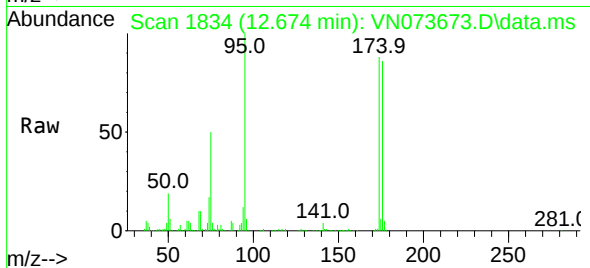




#62
4-Bromofluorobenzene
Concen: 55.426 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

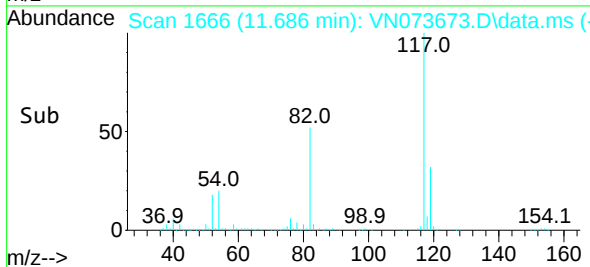
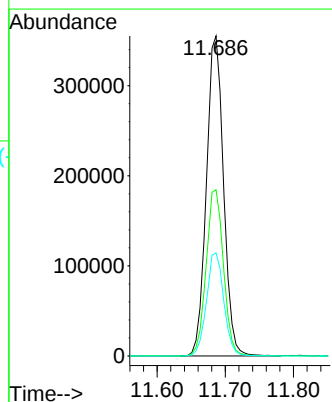
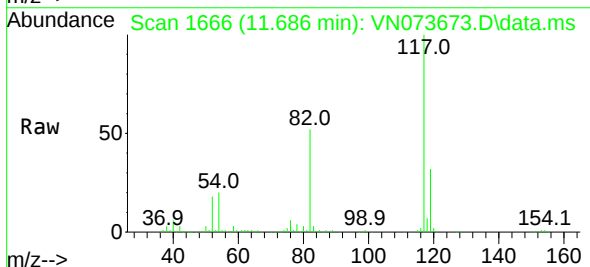
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

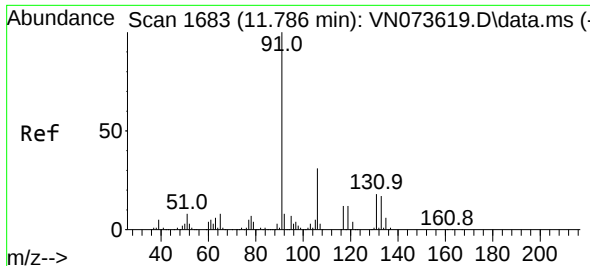
Tgt Ion: 95 Resp: 290802
Ion Ratio Lower Upper
95 100
174 87.8 0.0 167.6
176 86.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 117 Resp: 621008
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 32.2 25.4 38.0

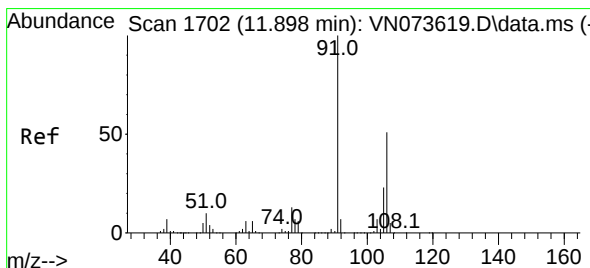
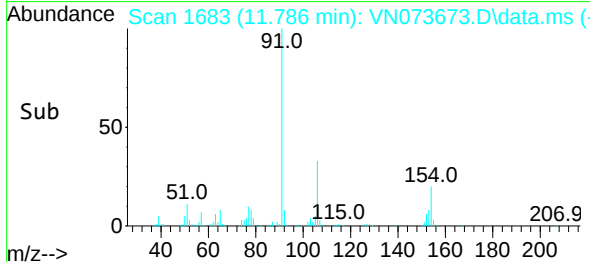
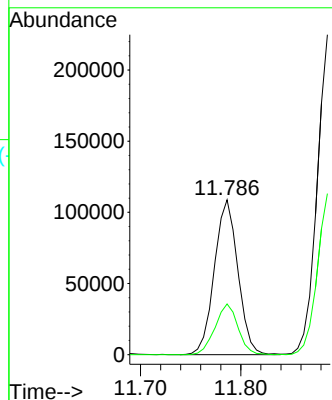
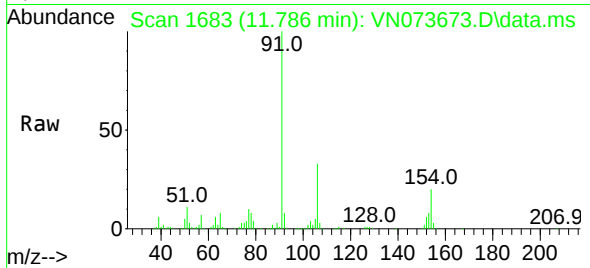




#67
Ethyl Benzene
Concen: 7.965 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

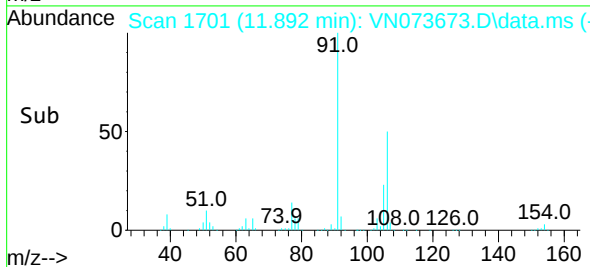
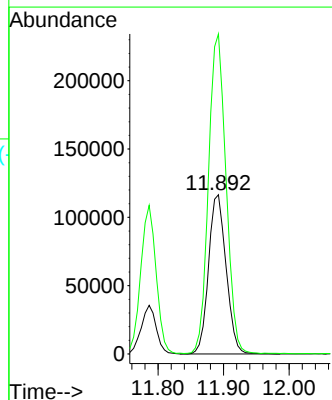
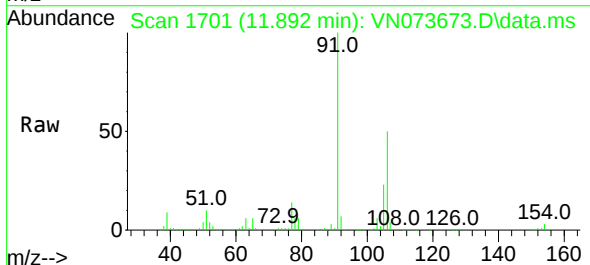
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

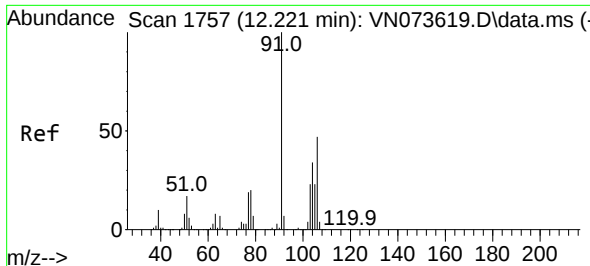
Tgt Ion: 91 Resp: 177249
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3



#68
m/p-Xylenes
Concen: 25.574 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 106 Resp: 217060
Ion Ratio Lower Upper
106 100
91 199.7 158.9 238.3

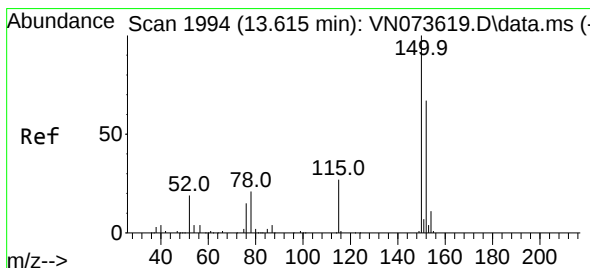
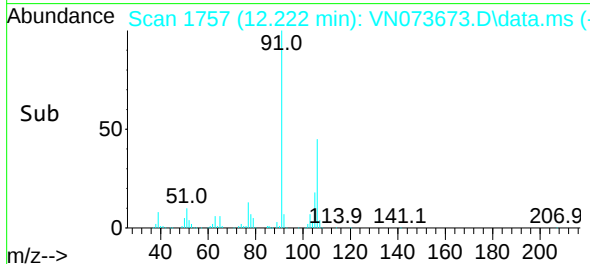
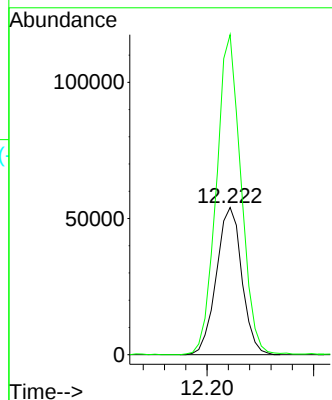
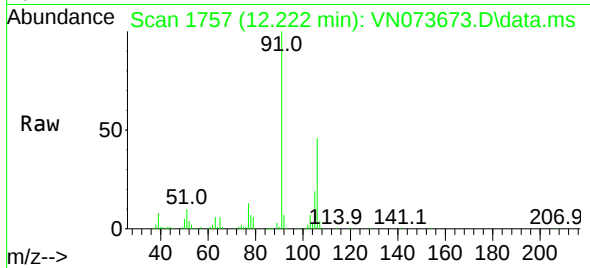




#69
o-Xylene
Concen: 10.825 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

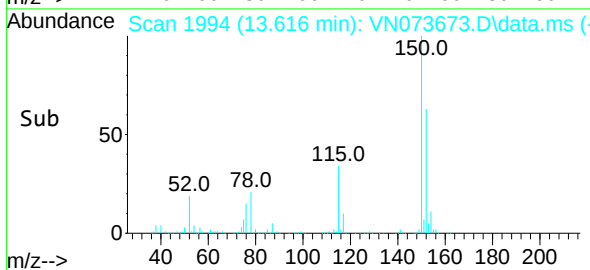
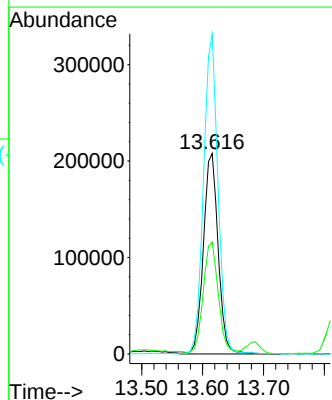
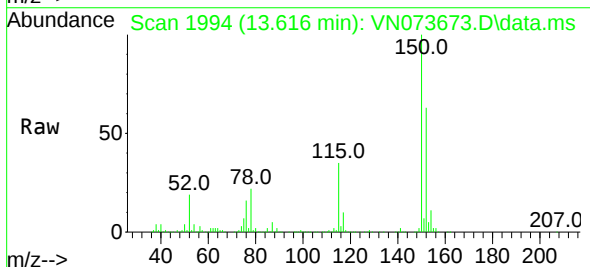
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

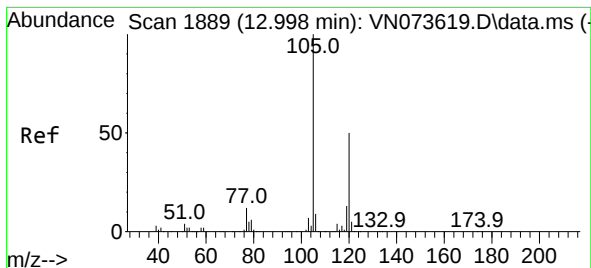
Tgt Ion:106 Resp: 89572
Ion Ratio Lower Upper
106 100
91 210.7 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion:152 Resp: 350181
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 155.8 0.0 356.2





#80

1,3,5-Trimethylbenzene

Concen: 3.269 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

Instrument :

MSVOA_N

ClientSampleId :

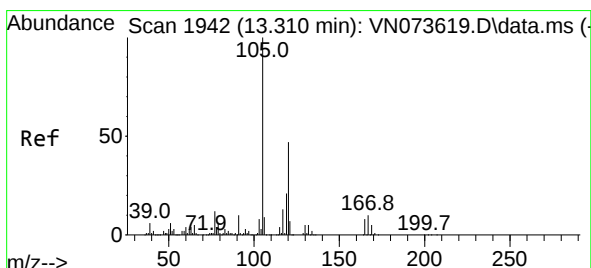
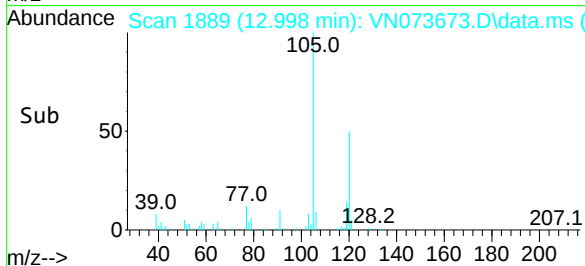
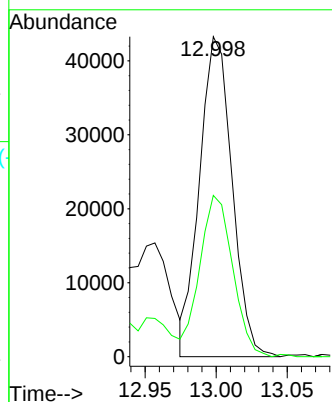
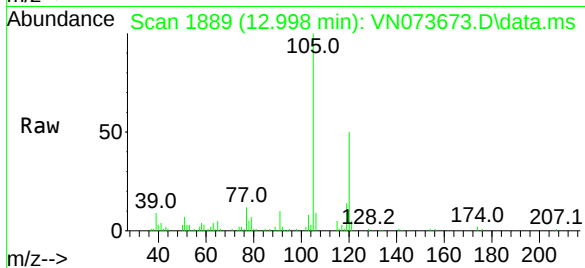
HMGP-SOIL-C

Tgt Ion:105 Resp: 68969

Ion Ratio Lower Upper

105 100

120 51.1 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 7.110 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.000 min

Lab File: VN073673.D

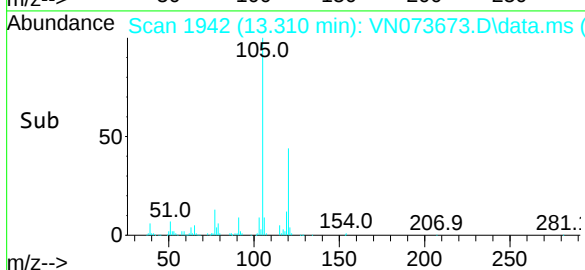
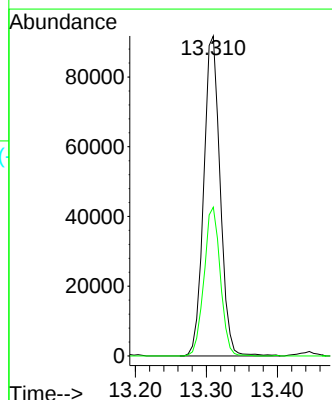
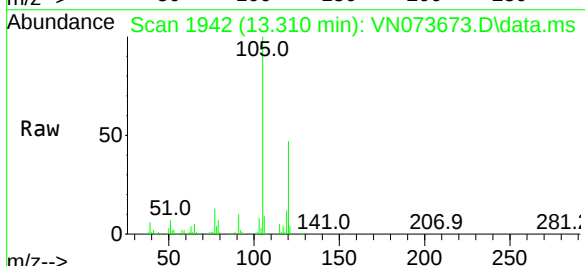
Acq: 01 Aug 2022 20:37

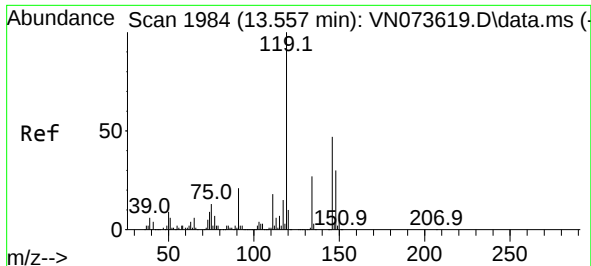
Tgt Ion:105 Resp: 147482

Ion Ratio Lower Upper

105 100

120 46.1 23.3 69.8

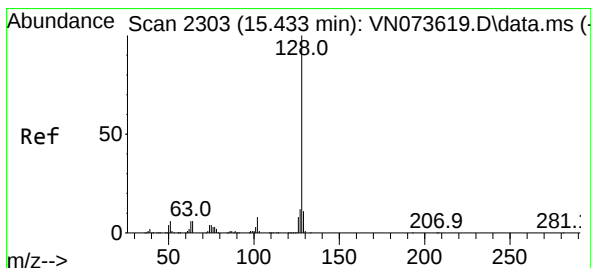
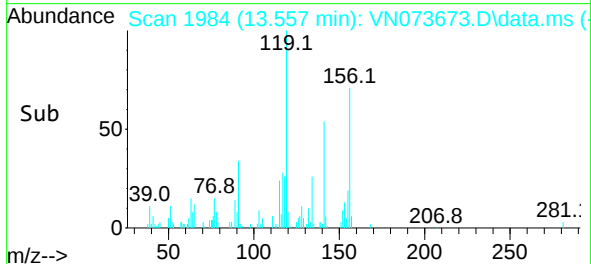
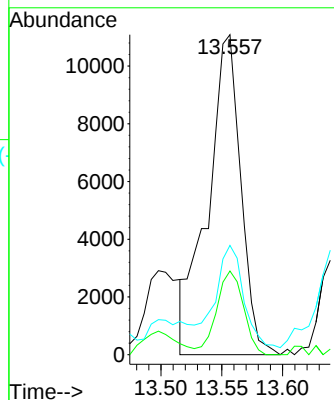
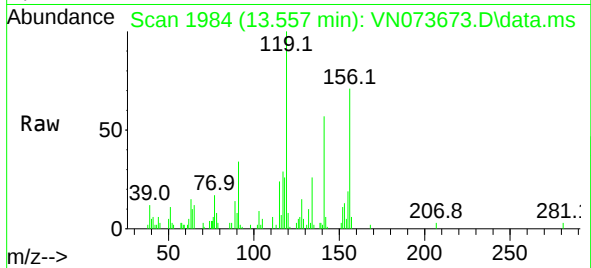




#86
p-Isopropyltoluene
Concen: 1.030 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

Tgt Ion:119 Resp: 20976
Ion Ratio Lower Upper
119 100
134 21.2 13.3 39.8
91 27.4 11.3 33.9



#95
Naphthalene
Concen: 900.426 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion:128 Resp:17916604
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 12.5 8.6 13.0

