

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		
3) Chloromethane	2.269	50	870	Below Cal		89
6) Chloroethane	2.922	64	825	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	4900	4.823	ug/l #	72
13) Acrolein	4.004	56	302	0.300	ug/l #	79
14) Allyl chloride	4.734	41	2073	0.354	ug/l #	26
16) Acetone	4.228	43	135859	53.695	ug/l	97
18) Methyl Acetate	4.787	43	6215	0.987	ug/l	98
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
31) Cyclohexane	8.022	56	9344	1.332	ug/l #	14
36) 1,1-Dichloropropene	8.016	75	28023	5.030	ug/l #	49
37) Ethyl Acetate	7.345	43	57793	7.878	ug/l	98
38) Carbon Tetrachloride	8.022	117	36358	6.426	ug/l #	16
39) Methylcyclohexane	9.392	83	4595	0.690	ug/l #	83
40) Benzene	8.392	78	125691	6.948	ug/l	93
41) Methacrylonitrile	7.622	41	7500	2.259	ug/l #	39
42) 1,2-Dichloroethane	8.392	62	1382	0.227	ug/l	79
43) Isopropyl Acetate	8.498	43	230001	23.211	ug/l #	92
48) Methyl methacrylate	9.486	41	8902	2.052	ug/l #	38
49) 1,4-Dioxane	9.504	88	292	2.388	ug/l #	25
51) 4-Methyl-2-Pentanone	10.269	43	26865	3.780	ug/l #	83
52) Toluene	10.445	92	5449	0.493	ug/l	95
54) cis-1,3-Dichloropropene	10.186	75	83597	12.468	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	11425	1.461	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.198	63	121	9.976	ug/l #	44
59) 2-Hexanone	11.033	43	143620	26.672	ug/l #	49
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
70) Styrene	12.227	104	7689	0.580	ug/l #	1
71) Bromoform	12.669	173	1521	0.389	ug/l #	1
73) Isopropylbenzene	12.516	105	17818	0.695	ug/l	97
76) 1,2,3-Trichloropropane	12.669	75	148060	21.225	ug/l #	1
77) Bromobenzene	12.686	156	10261	1.537	ug/l #	1
78) n-propylbenzene	12.863	91	27735	0.962	ug/l	100

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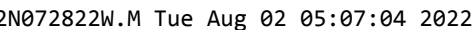
Quant Time: Aug 02 05:06:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
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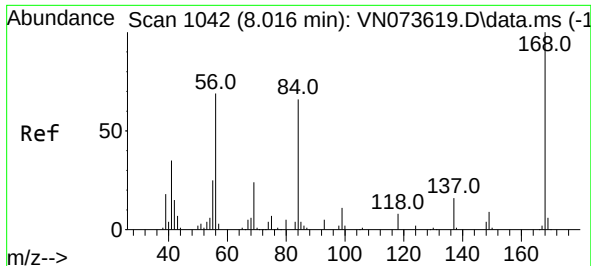
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	13.163	91	6260	0.348	ug/l	70
80) 1,3,5-Trimethylbenzene	12.998	105	68969	3.269	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.669	75	148060	54.793	ug/l #	11
82) 4-Chlorotoluene	13.163	91	6260	0.367	ug/l	70
83) tert-Butylbenzene	13.498	119	4727	0.253	ug/l	68
84) 1,2,4-Trimethylbenzene	13.310	105	147482	7.110	ug/l	99
85) sec-Butylbenzene	13.310	105	147482	5.711	ug/l #	56
86) p-Isopropyltoluene	13.557	119	20976	1.030	ug/l	90
89) n-Butylbenzene	13.816	91	33548	2.025	ug/l #	46
90) Hexachloroethane	14.139	117	5096	1.262	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.545	75	3865	1.945	ug/l #	1
95) Naphthalene	15.433	128	17916604	900.426	ug/l	95

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

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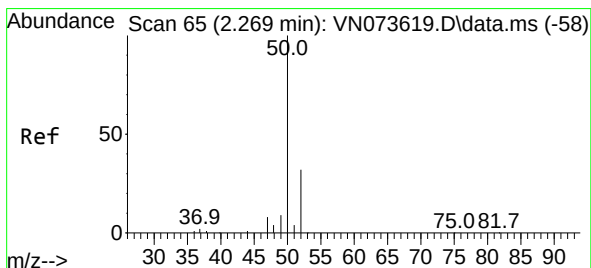
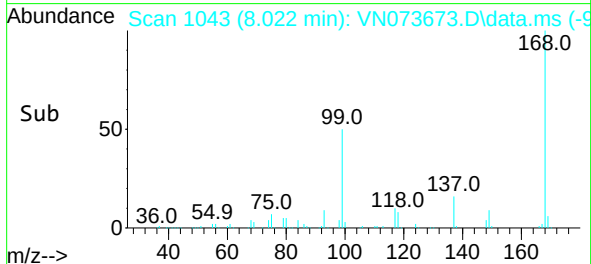
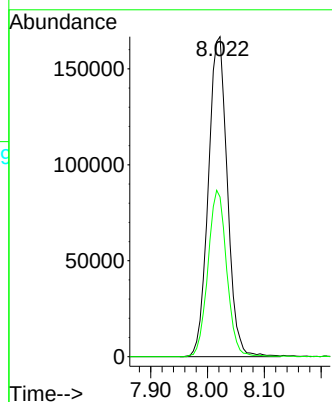
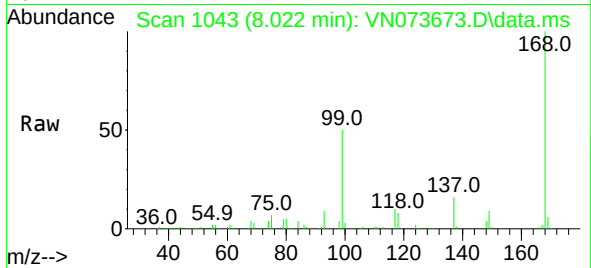




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

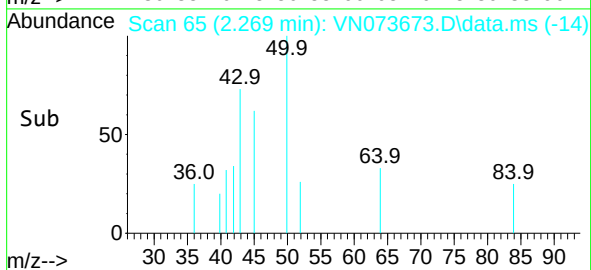
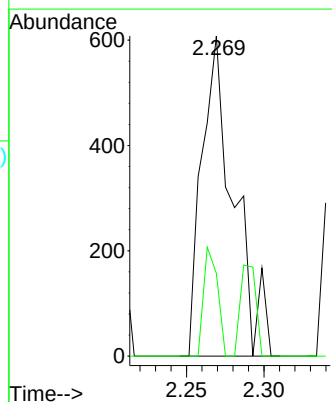
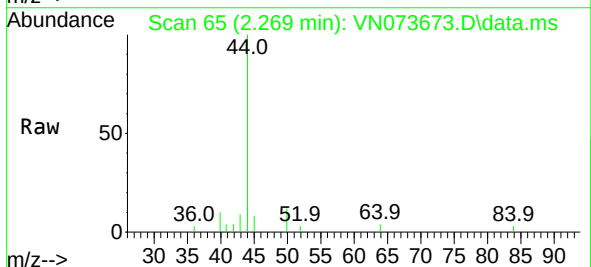
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

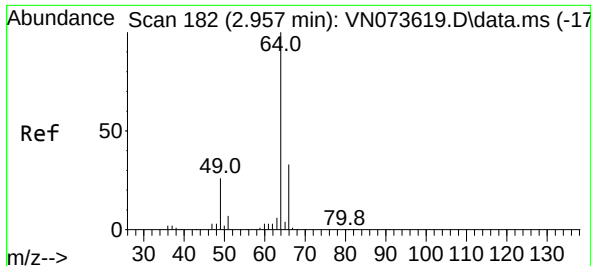
Tgt Ion:168 Resp: 386552
Ion Ratio Lower Upper
168 100
99 49.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 50 Resp: 870
Ion Ratio Lower Upper
50 100
52 25.8 25.7 38.5





#6

Chloroethane

Concen: Below Cal

RT: 2.922 min Scan# 11

Delta R.T. -0.035 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

Instrument :

MSVOA_N

ClientSampleId :

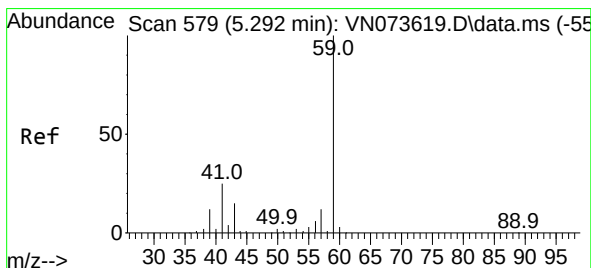
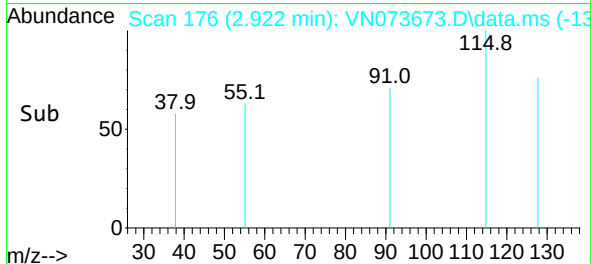
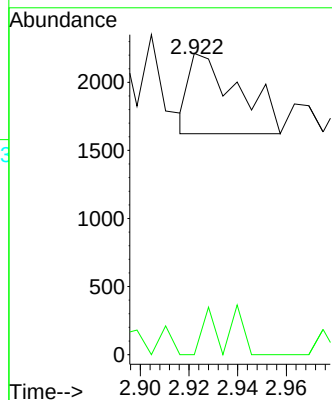
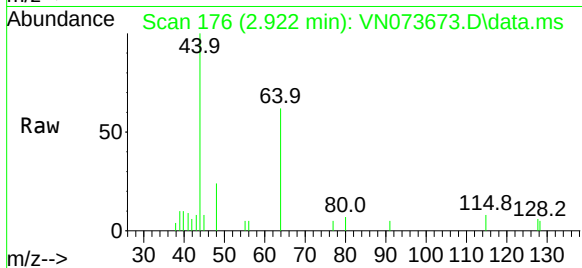
HMGP-SOIL-C

Tgt Ion: 64 Resp: 825

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#



#11

Tert butyl alcohol

Concen: 4.823 ug/l

RT: 5.298 min Scan# 580

Delta R.T. 0.006 min

Lab File: VN073673.D

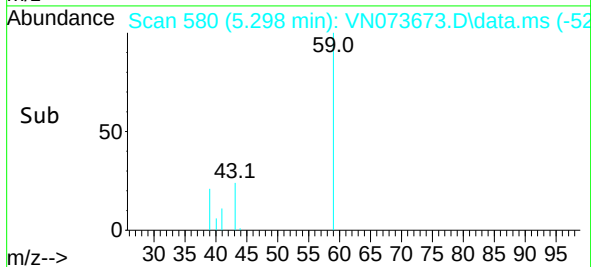
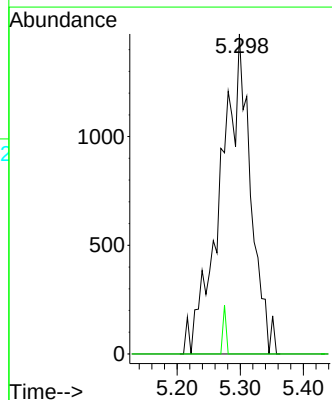
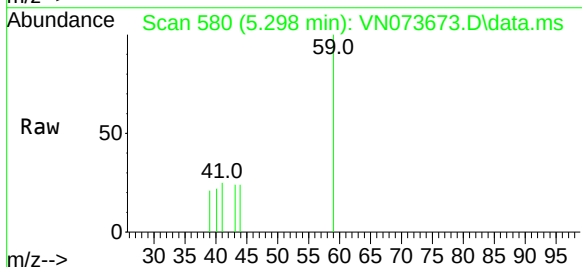
Acq: 01 Aug 2022 20:37

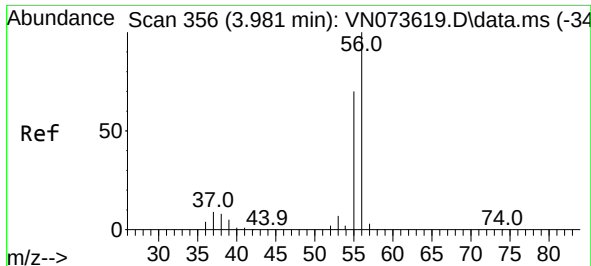
Tgt Ion: 59 Resp: 4900

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.300 ug/l

RT: 4.004 min Scan# 30

Delta R.T. 0.023 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

Instrument :

MSVOA_N

ClientSampleId :

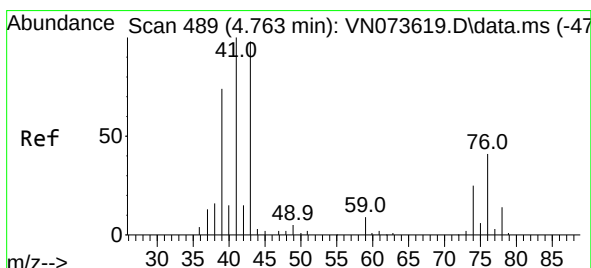
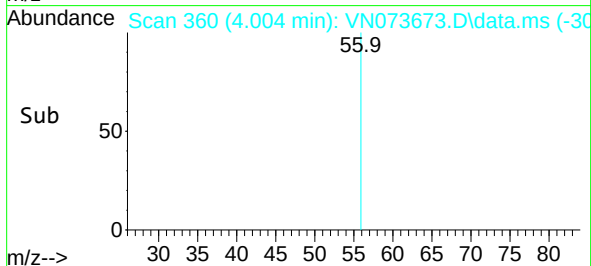
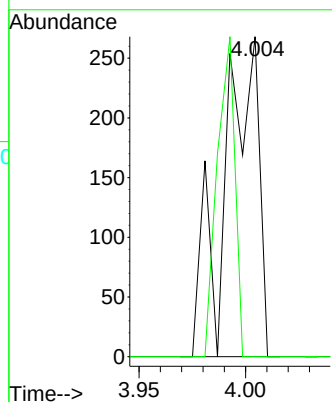
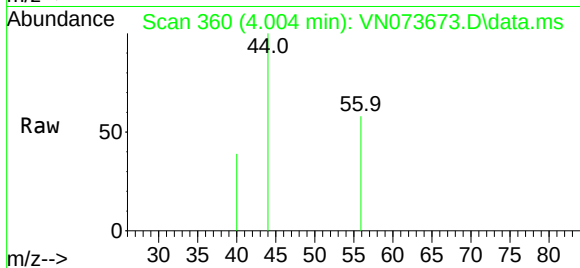
HMGP-SOIL-C

Tgt Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 51.3 54.8 82.2#



#14

Allyl chloride

Concen: 0.354 ug/l

RT: 4.734 min Scan# 484

Delta R.T. -0.029 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

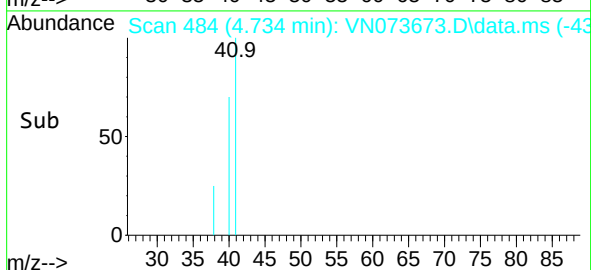
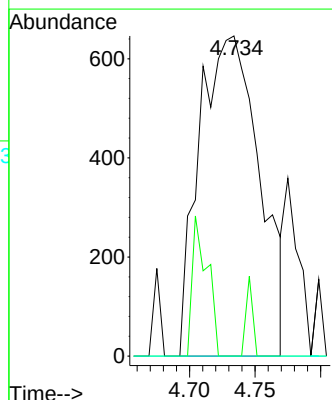
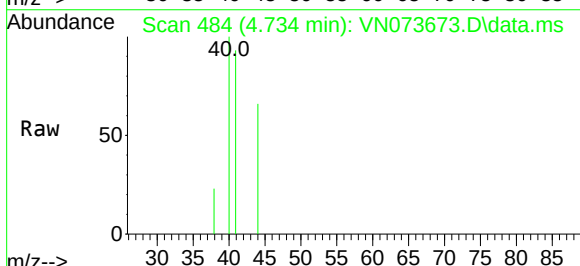
Tgt Ion: 41 Resp: 2073

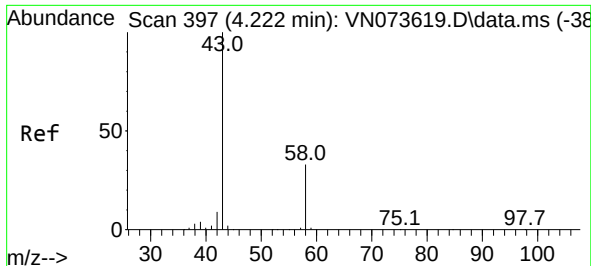
Ion Ratio Lower Upper

41 100

39 2.7 53.2 79.8#

76 0.0 29.9 44.9#

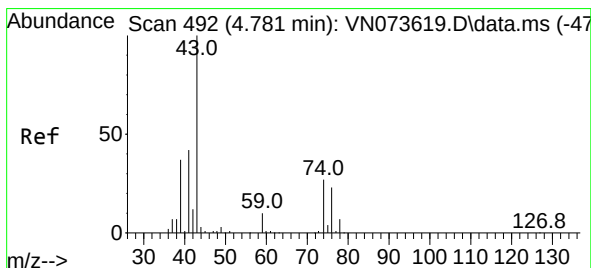
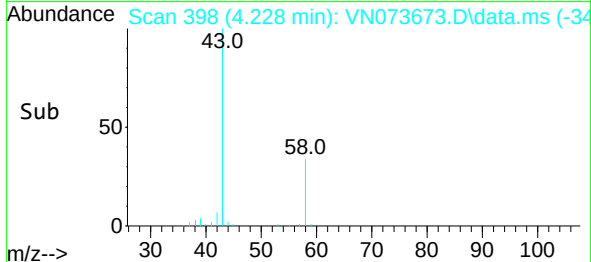
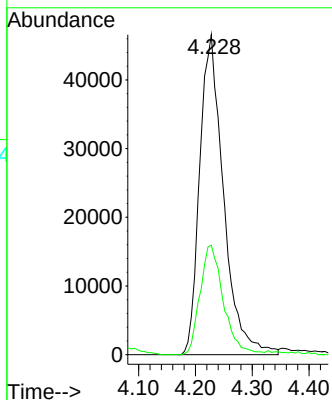
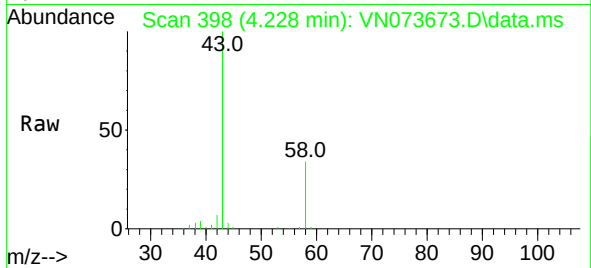




#16
Acetone
Concen: 53.695 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

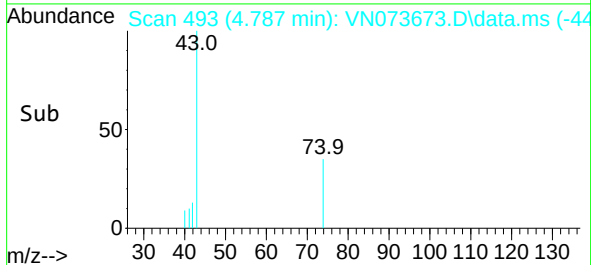
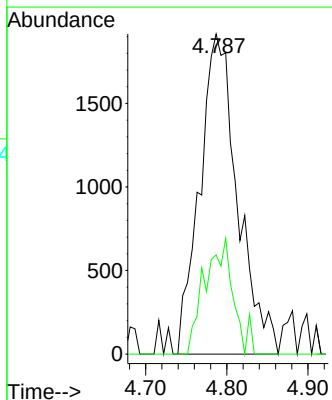
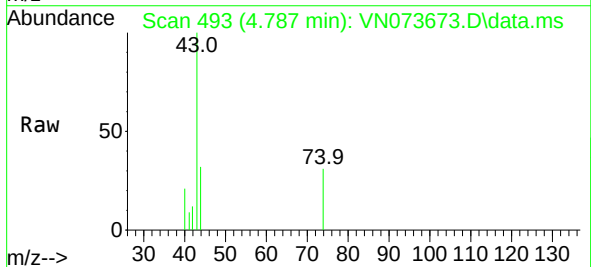
Instrument :
MSVOA_N
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HMGP-SOIL-C

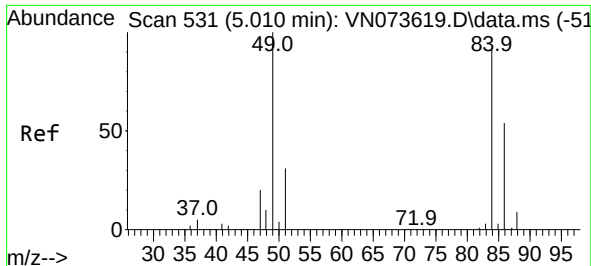
Tgt Ion: 43 Resp: 135859
Ion Ratio Lower Upper
43 100
58 34.2 26.0 39.0



#18
Methyl Acetate
Concen: 0.987 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 43 Resp: 6215
Ion Ratio Lower Upper
43 100
74 25.9 21.6 32.4



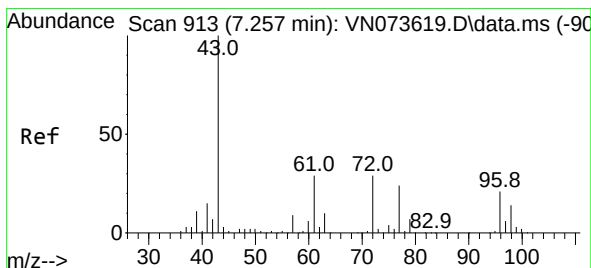
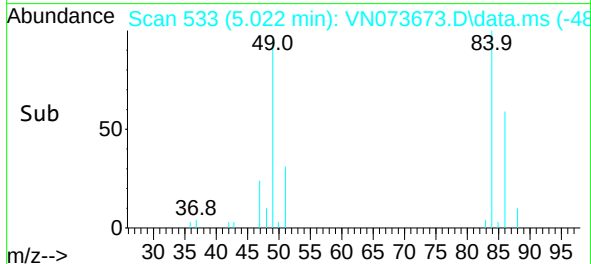
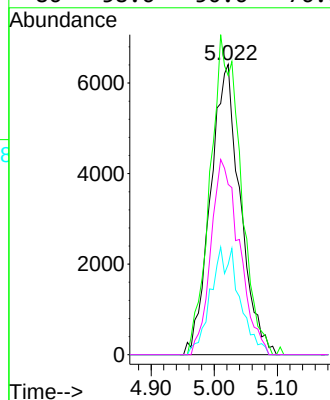
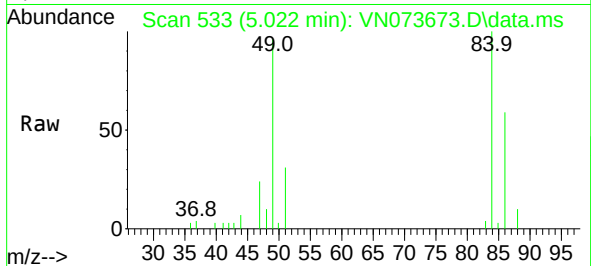


#20
Methylene Chloride
Concen: 3.055 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

Tgt Ion: 84 Resp: 20976

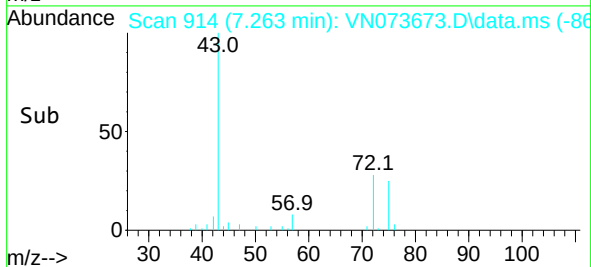
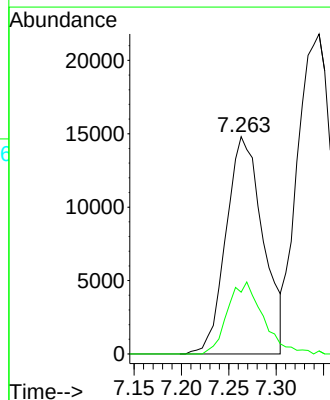
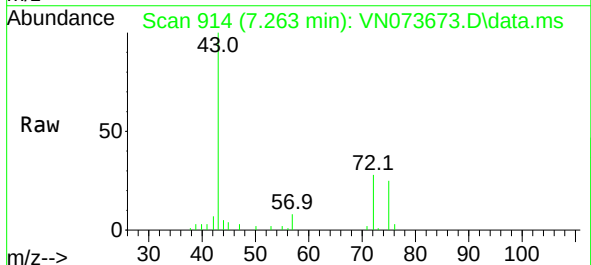
Ion	Ratio	Lower	Upper
84	100		
49	96.2	88.3	132.5
51	31.1	28.2	42.2
86	58.6	50.6	76.0

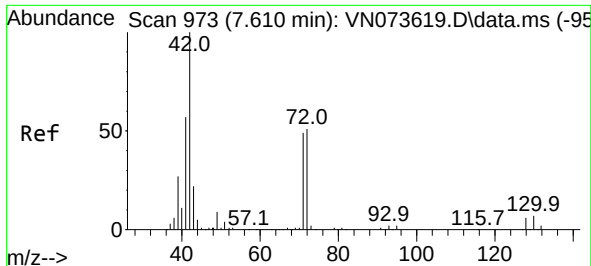


#25
2-Butanone
Concen: 10.270 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

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

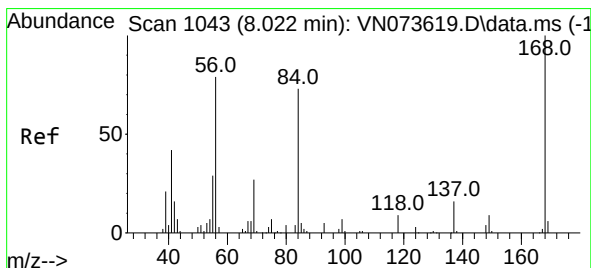
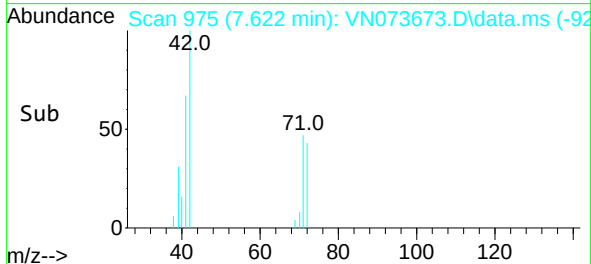
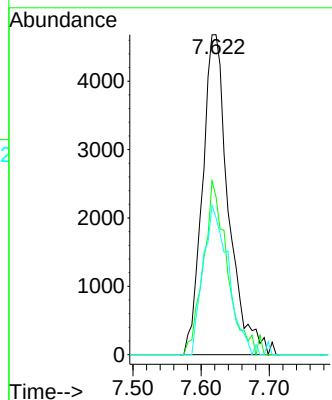
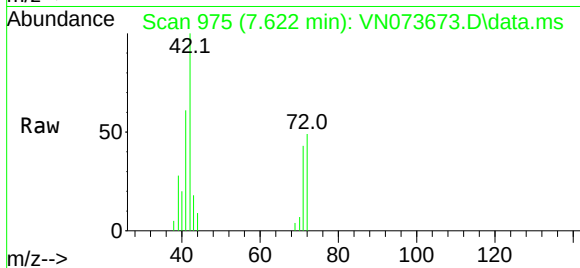
Tgt Ion: 42 Resp: 12431

Ion Ratio Lower Upper

42 100

72 50.3 39.7 59.5

71 45.4 36.6 55.0



#31

Cyclohexane

Concen: 1.332 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

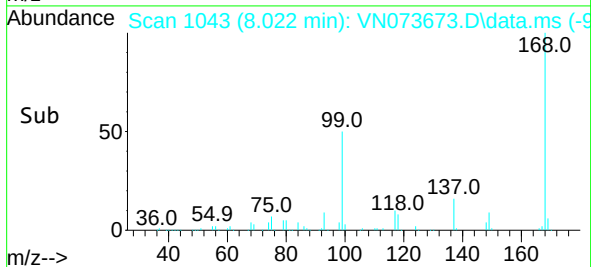
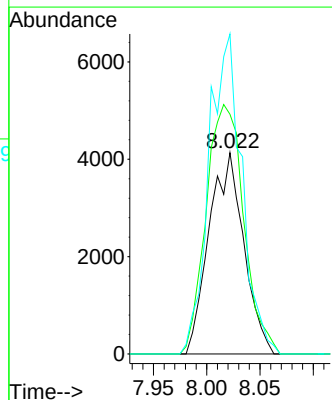
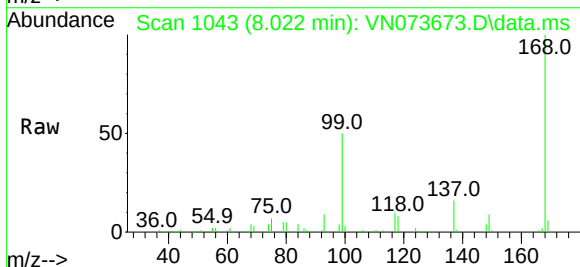
Tgt Ion: 56 Resp: 9344

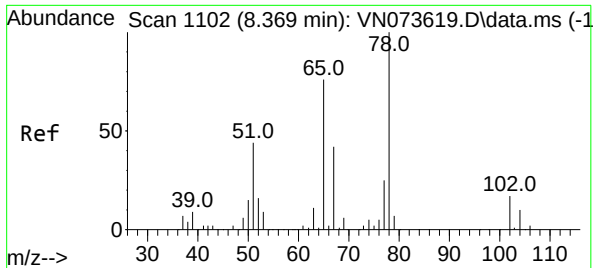
Ion Ratio Lower Upper

56 100

69 119.1 27.8 41.8#

84 159.0 76.9 115.3#





#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

Instrument :

MSVOA_N

ClientSampleId :

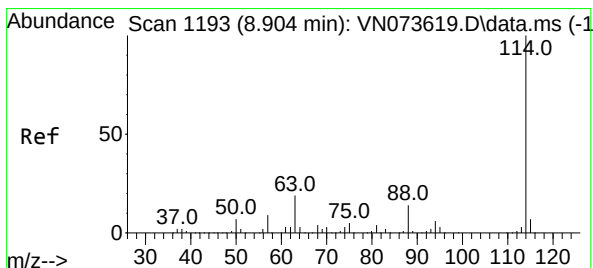
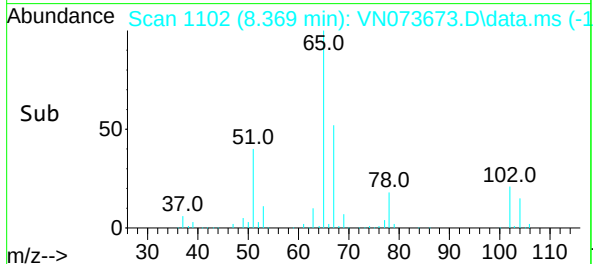
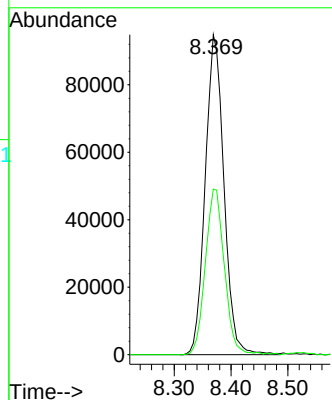
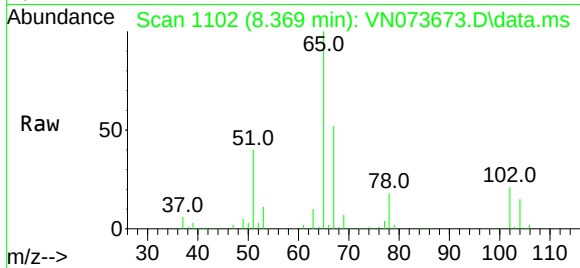
HMGP-SOIL-C

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

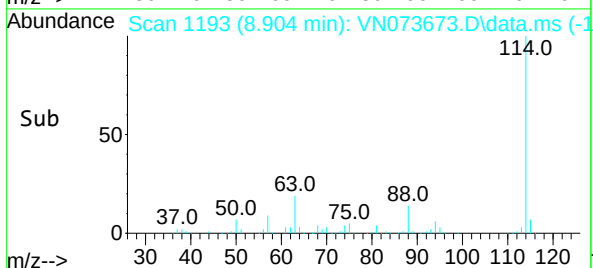
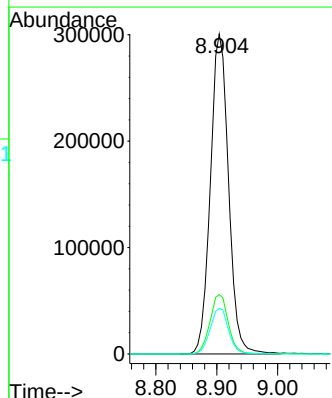
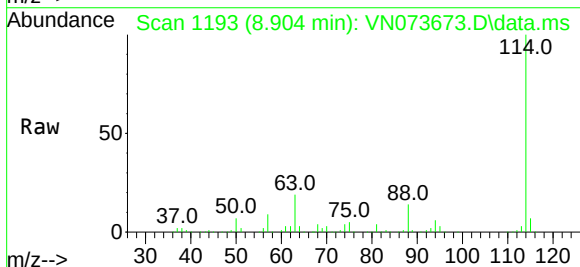
Tgt Ion: 114 Resp: 622445

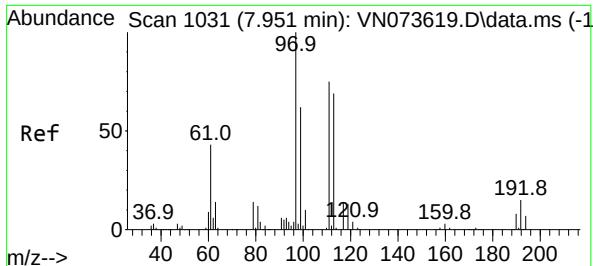
Ion Ratio Lower Upper

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# 1042

Delta R.T. 0.000 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-C

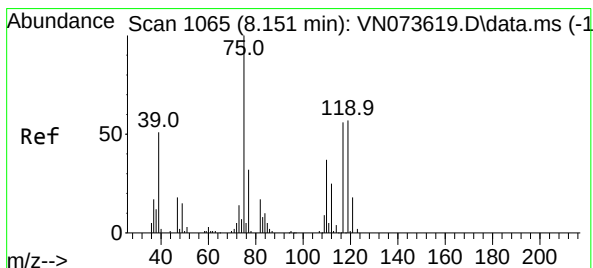
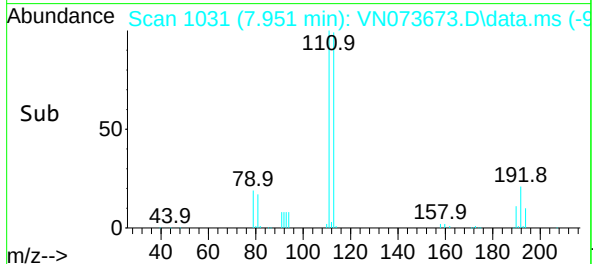
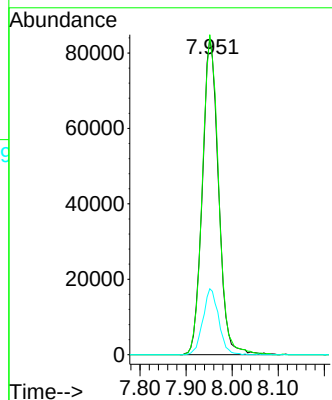
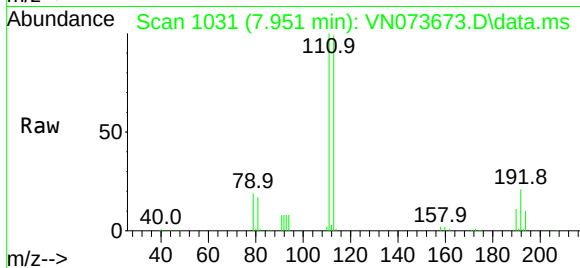
Tgt Ion:113 Resp: 205011

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

192 20.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.030 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

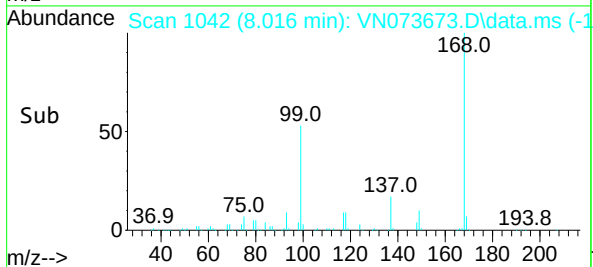
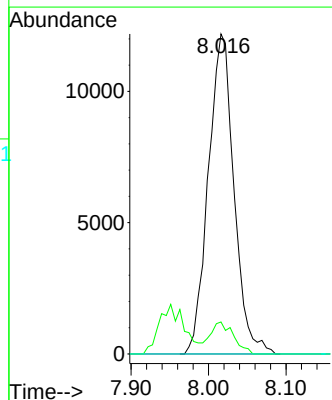
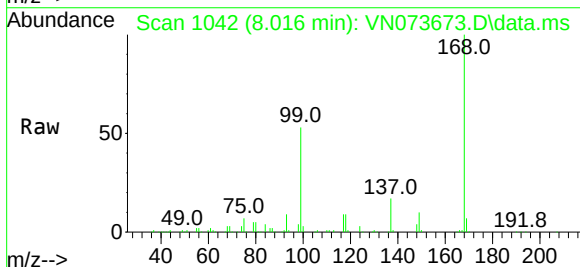
Tgt Ion: 75 Resp: 28023

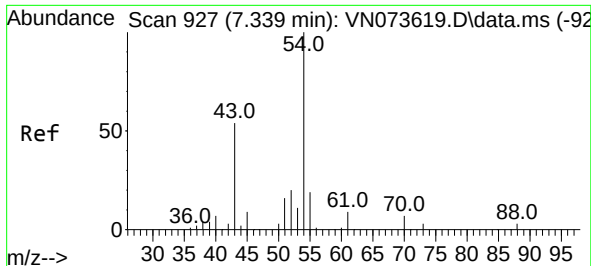
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#

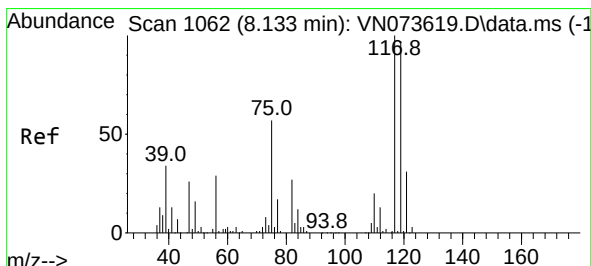
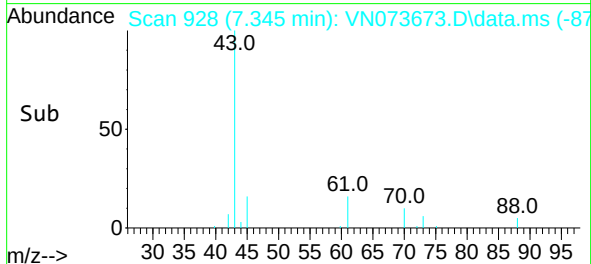
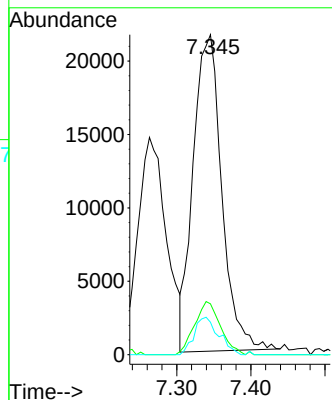
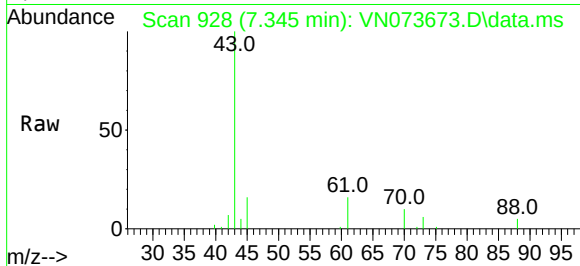




#37
Ethyl Acetate
Concen: 7.878 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

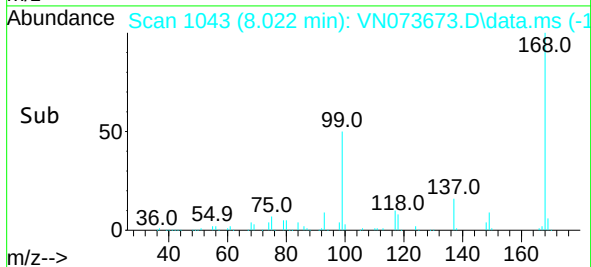
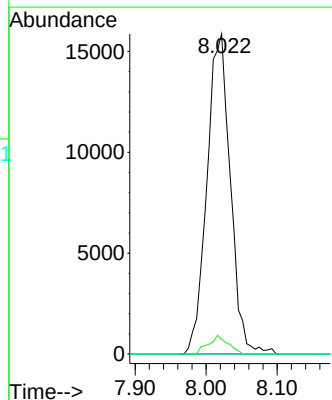
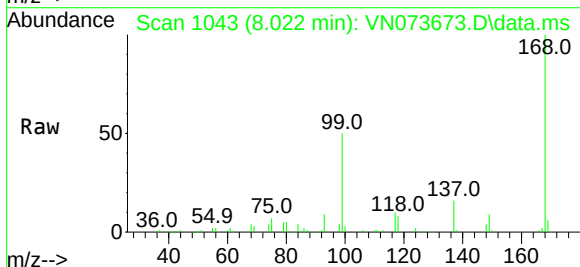
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

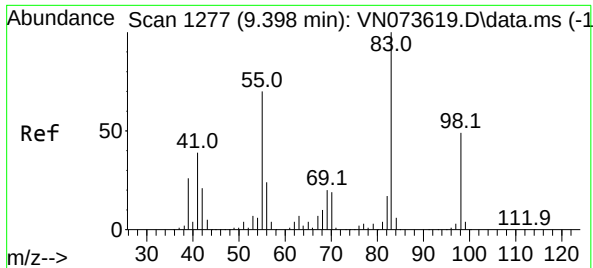
Tgt Ion: 43 Resp: 57793
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 10.2 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.426 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 117 Resp: 36358
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#

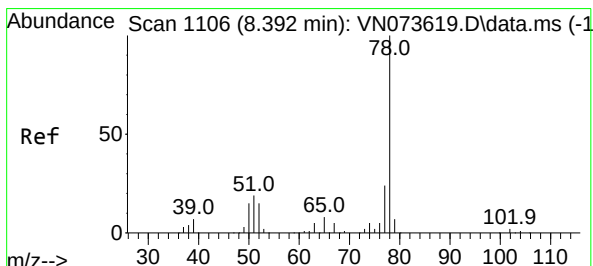
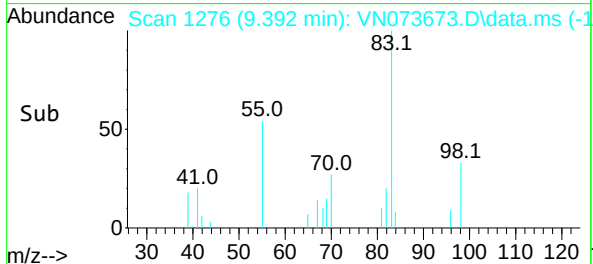
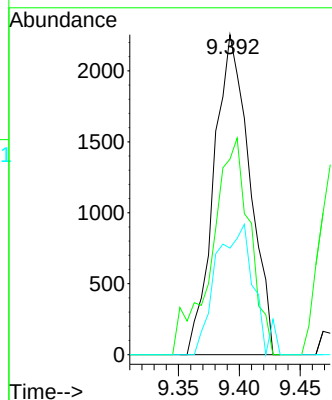
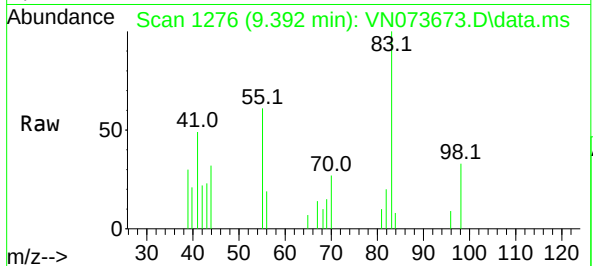




#39
Methylcyclohexane
Concen: 0.690 ug/l
RT: 9.392 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

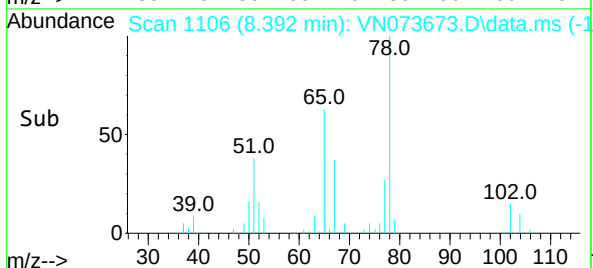
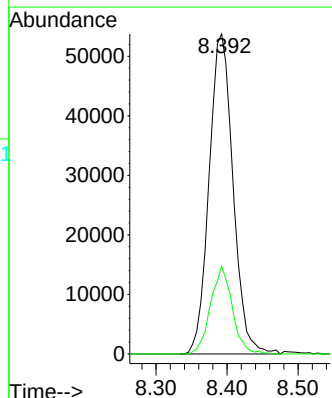
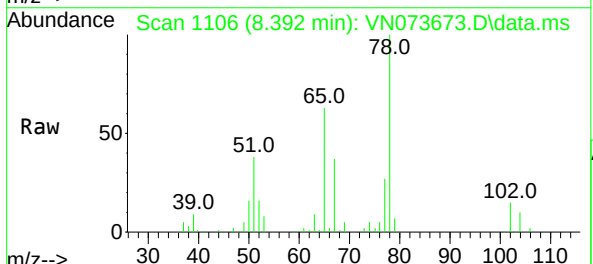
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

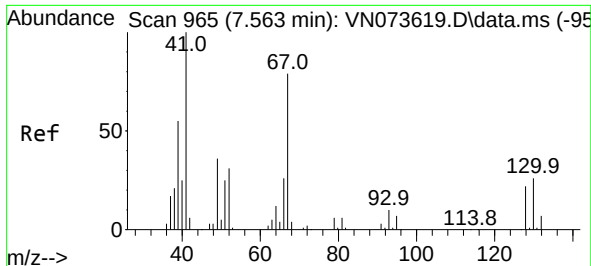
Tgt Ion: 83	Resp:	4595
Ion	Ratio	Lower Upper
83	100	
55	61.1	57.8 86.8
98	33.3	39.4 59.2#



#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

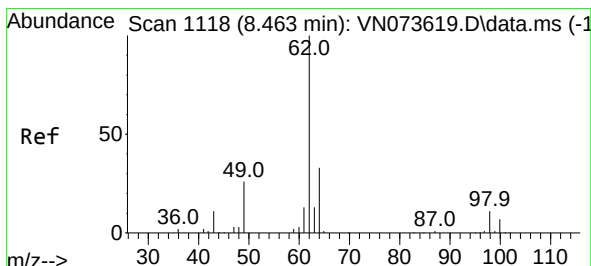
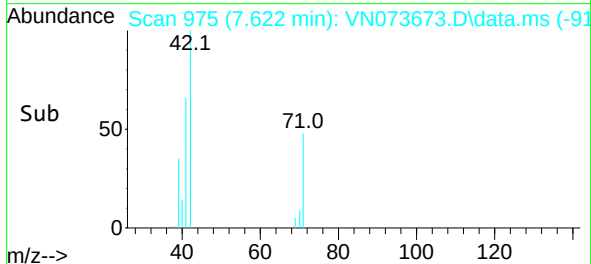
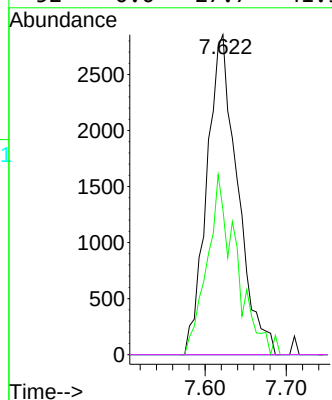
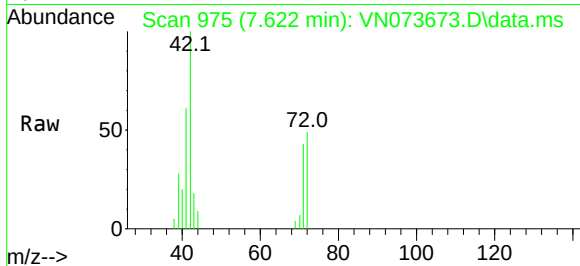




#41
Methacrylonitrile
Concen: 2.259 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

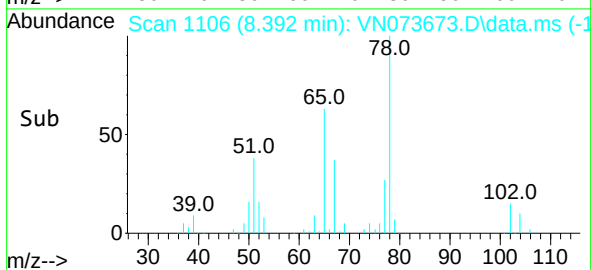
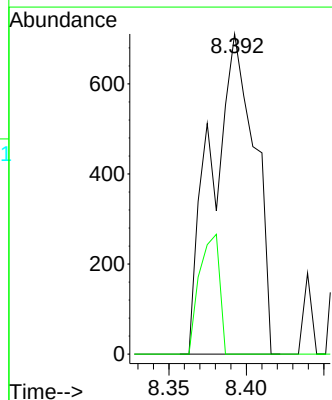
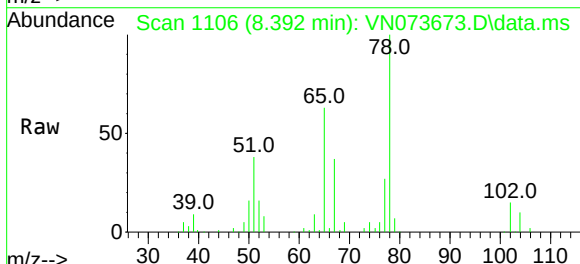
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

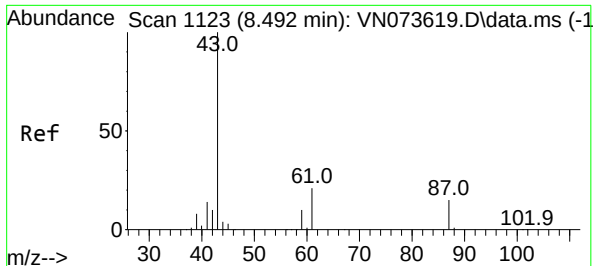
Tgt Ion: 41 Resp: 7500
Ion Ratio Lower Upper
41 100
39 54.0 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.227 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.070 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 62 Resp: 1382
Ion Ratio Lower Upper
62 100
98 17.4 0.0 19.4

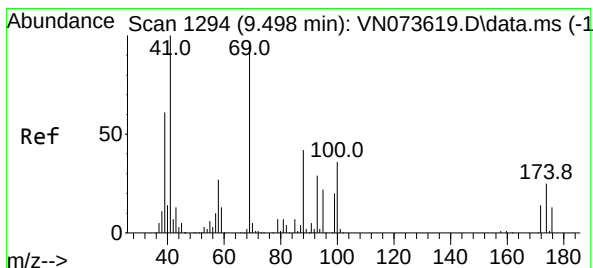
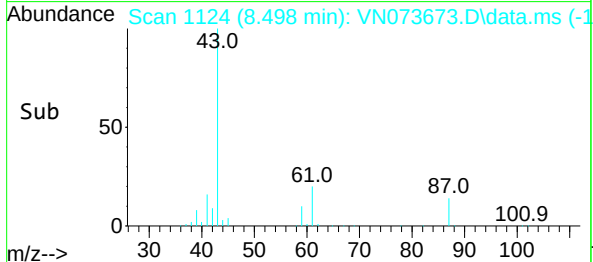
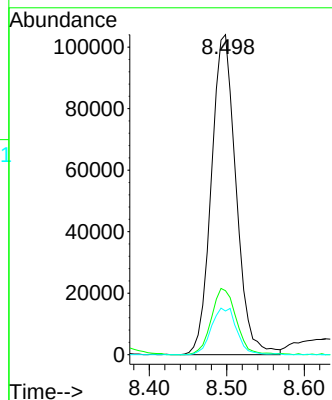
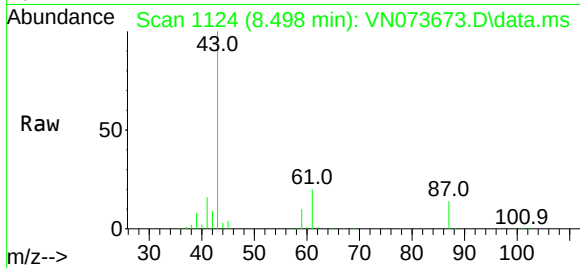




#43
Isopropyl Acetate
Concen: 23.211 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

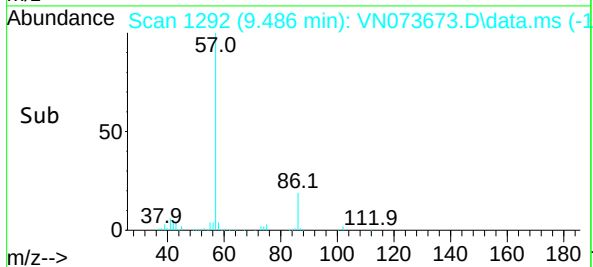
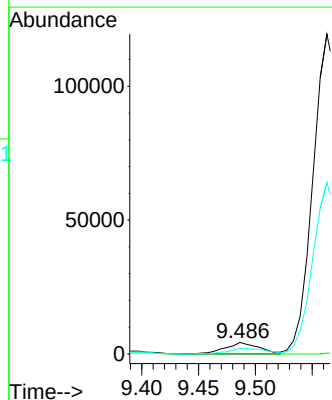
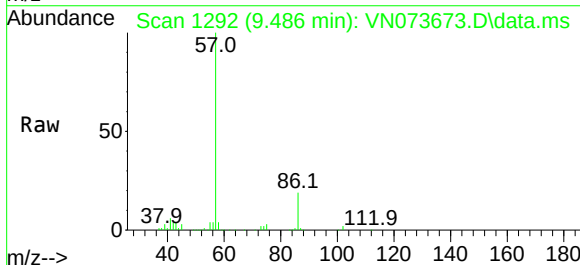
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

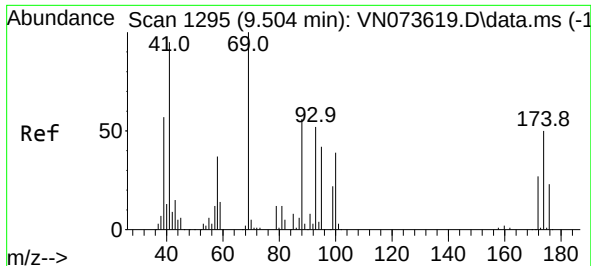
Tgt Ion: 43 Resp: 230001
Ion Ratio Lower Upper
43 100
61 21.0 21.9 32.9#
87 14.9 12.0 18.0



#48
Methyl methacrylate
Concen: 2.052 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 41 Resp: 8902
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 53.8 45.6 68.4





#49

1,4-Dioxane

Concen: 2.388 ug/l

RT: 9.504 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-C

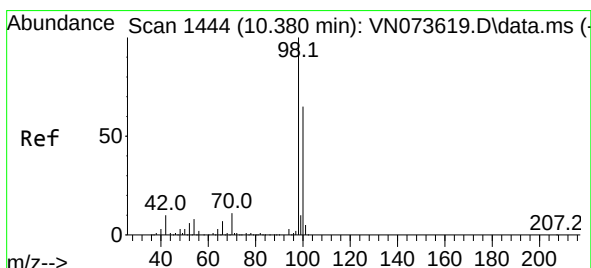
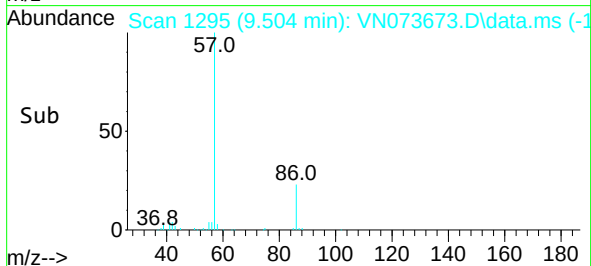
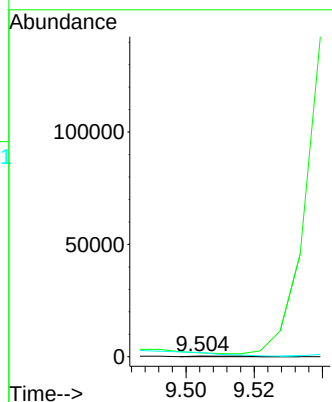
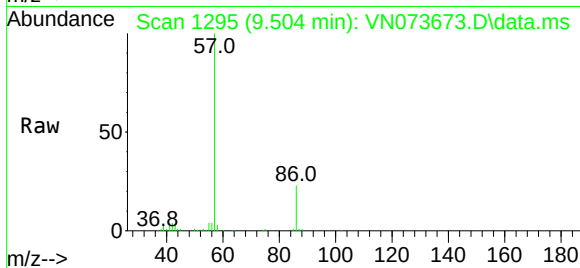
Tgt Ion: 88 Resp: 292

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 46.229 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073673.D

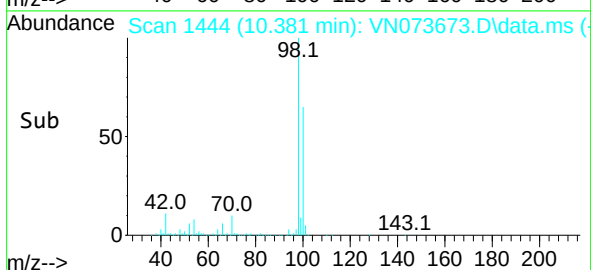
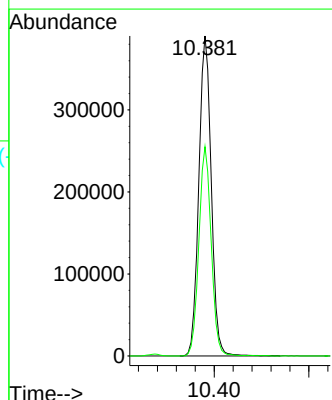
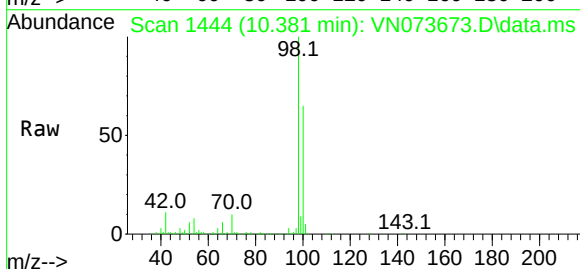
Acq: 01 Aug 2022 20:37

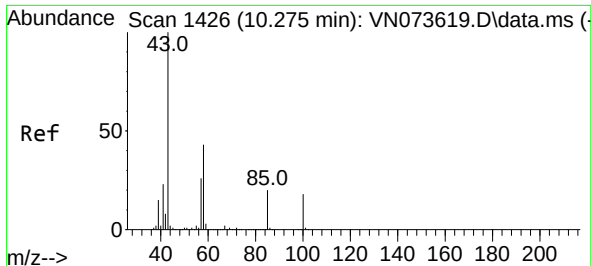
Tgt Ion: 98 Resp: 711039

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8

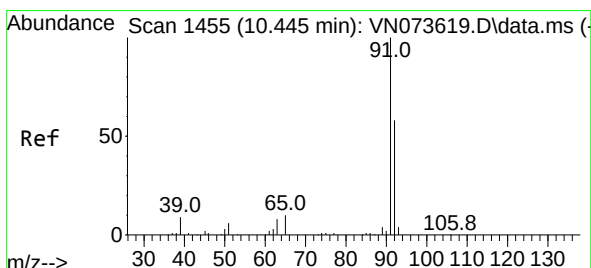
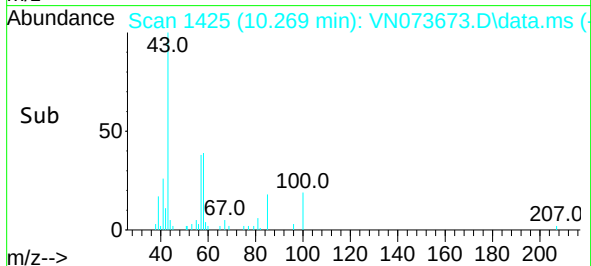
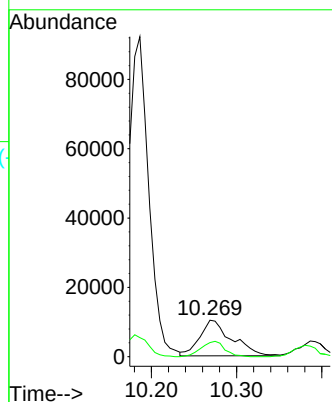
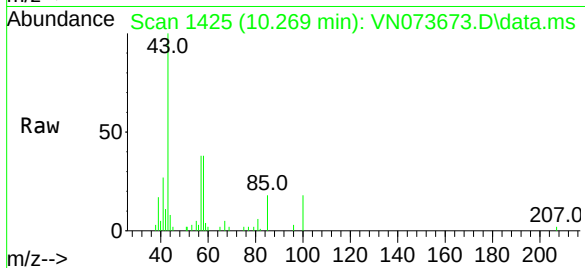




#51
4-Methyl-2-Pentanone
Concen: 3.780 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

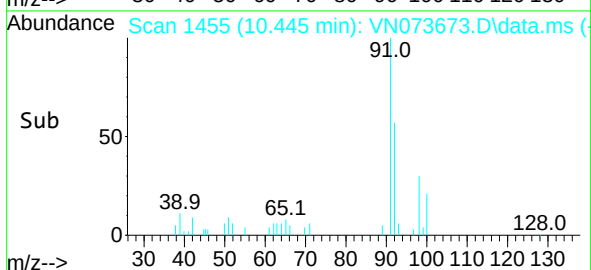
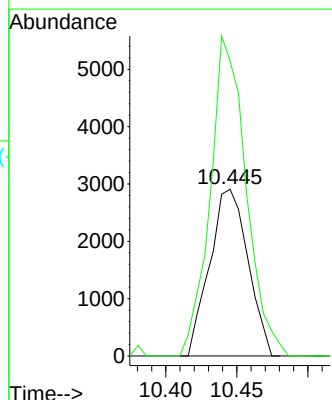
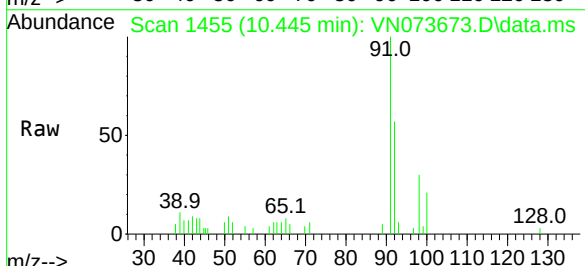
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

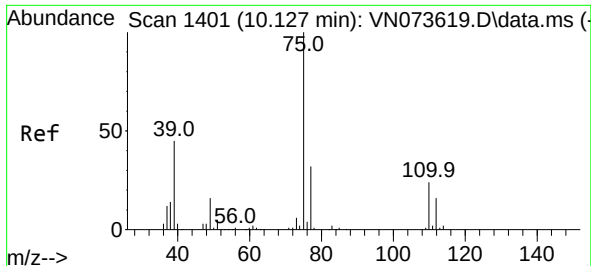
Tgt Ion: 43 Resp: 26865
Ion Ratio Lower Upper
43 100
58 31.6 34.1 51.1#



#52
Toluene
Concen: 0.493 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 92 Resp: 5449
Ion Ratio Lower Upper
92 100
91 179.7 138.6 207.8

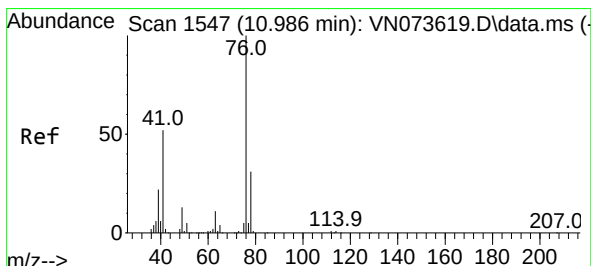
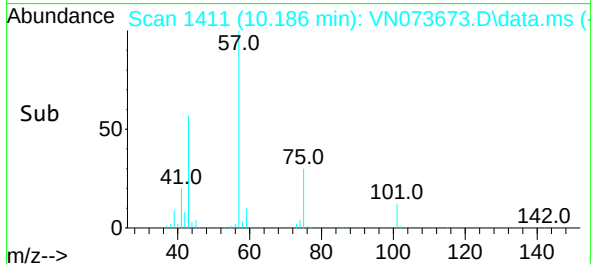
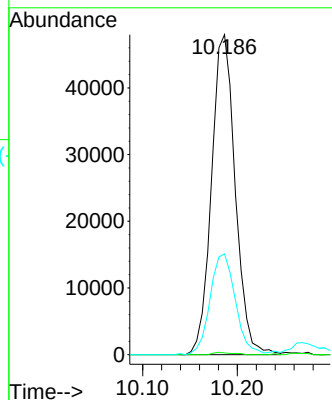
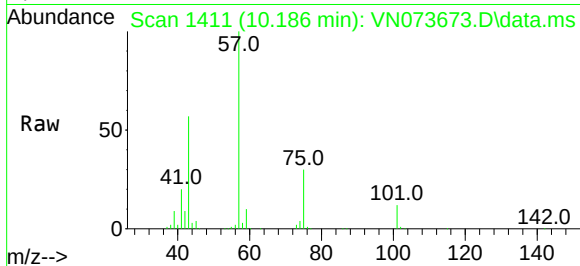




#54
 cis-1,3-Dichloropropene
 Concen: 12.468 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN073673.D
 Acq: 01 Aug 2022 20:37

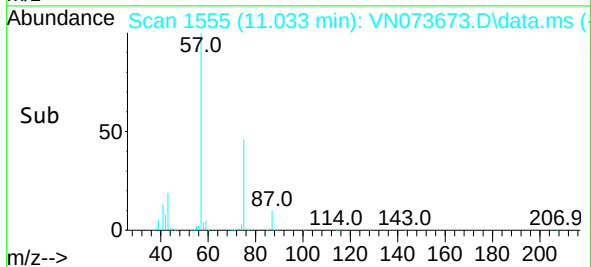
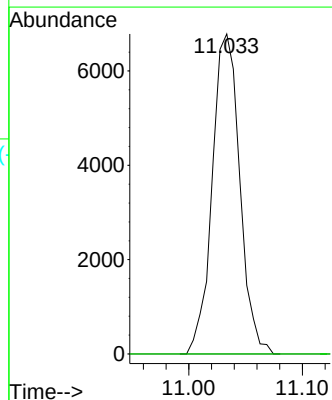
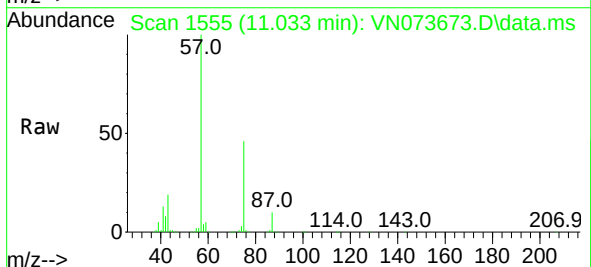
Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-C

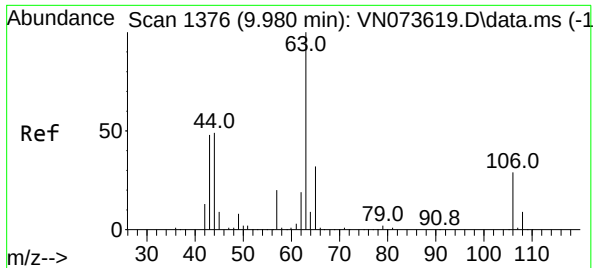
Tgt Ion: 75 Resp: 83597
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 31.2 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.461 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073673.D
 Acq: 01 Aug 2022 20:37

Tgt Ion: 76 Resp: 11425
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

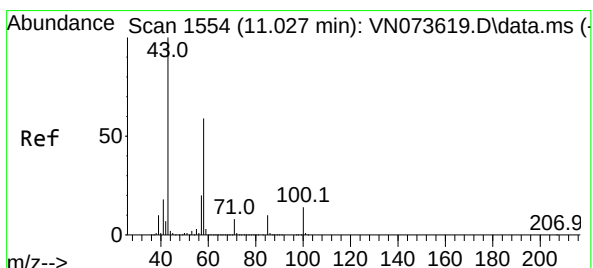
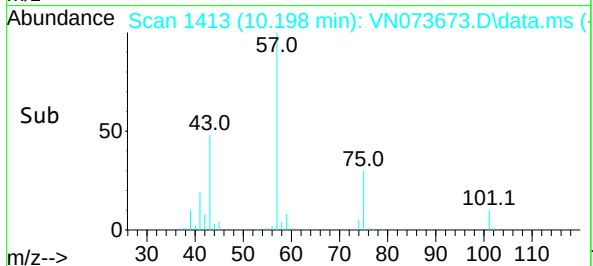
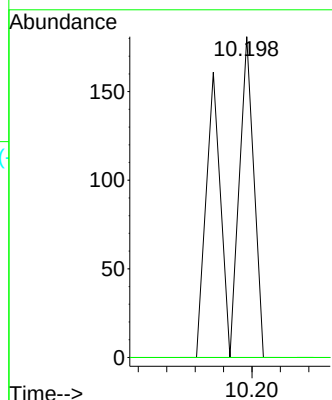
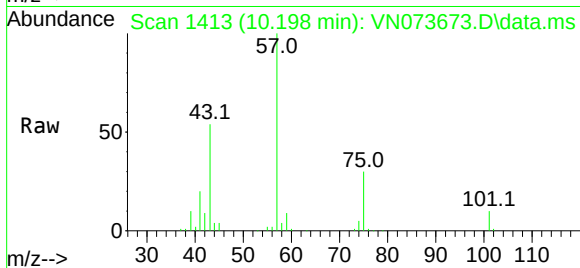




#58
2-Chloroethyl Vinyl ether
Concen: 9.976 ug/l
RT: 10.198 min Scan# 14
Delta R.T. 0.218 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

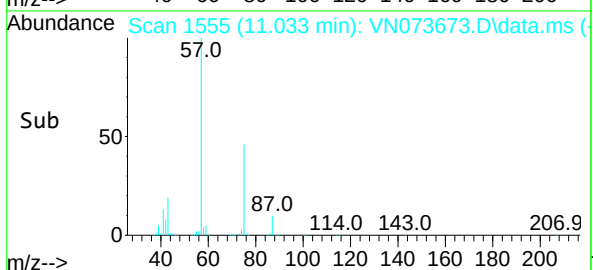
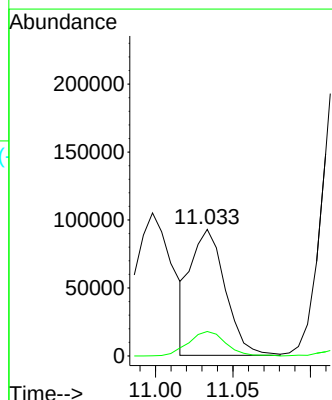
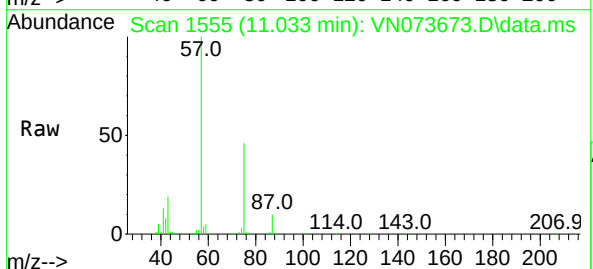
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

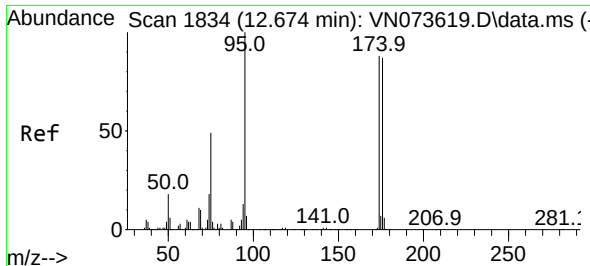
Tgt Ion: 63 Resp: 121
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 26.672 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 43 Resp: 143620
Ion Ratio Lower Upper
43 100
58 21.0 29.7 89.1#

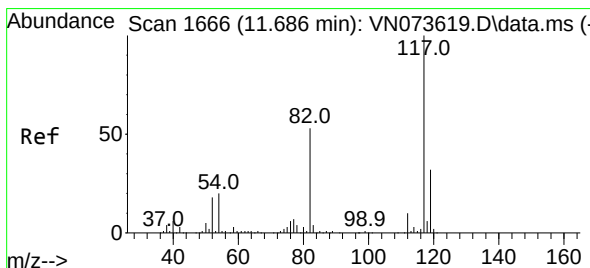
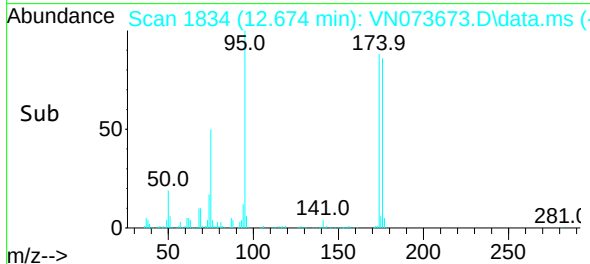
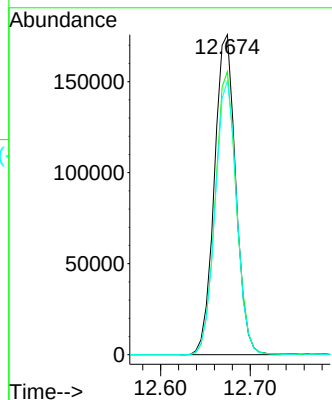
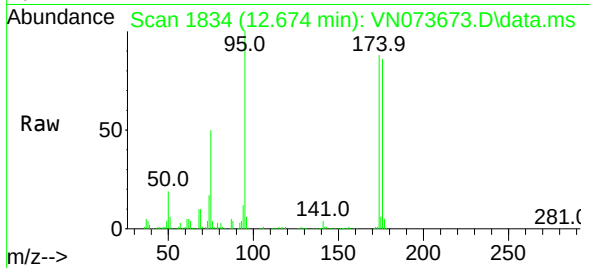




#62
4-Bromofluorobenzene
Concen: 55.426 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

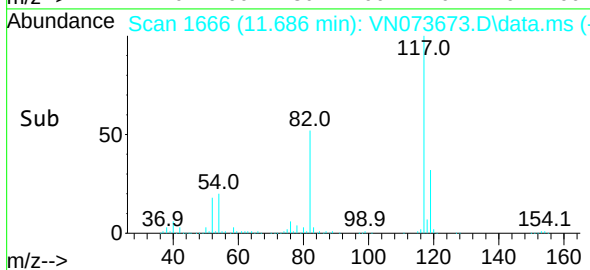
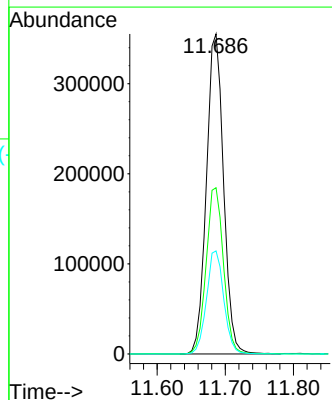
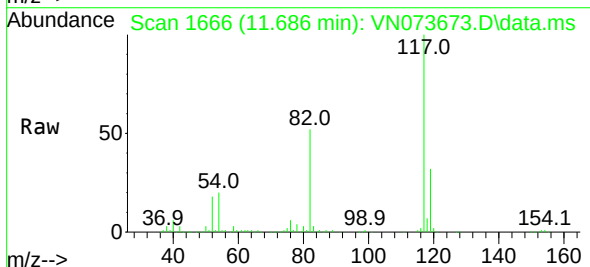
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

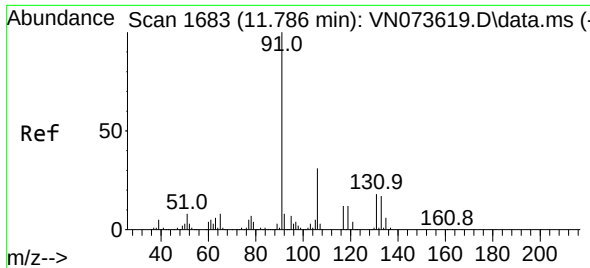
Tgt Ion: 95 Resp: 290802
Ion Ratio Lower Upper
95 100
174 87.8 0.0 167.6
176 86.1 0.0 163.4



#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

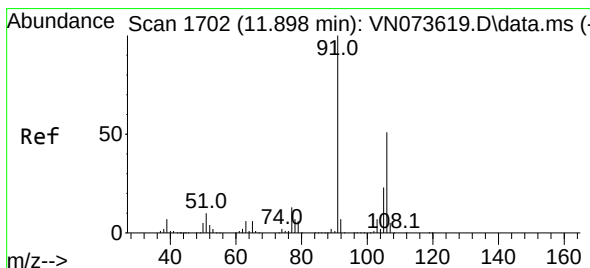
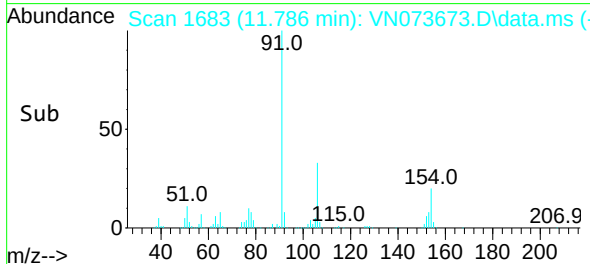
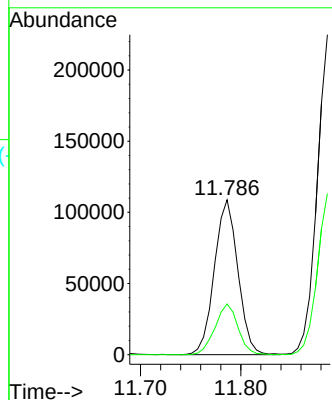
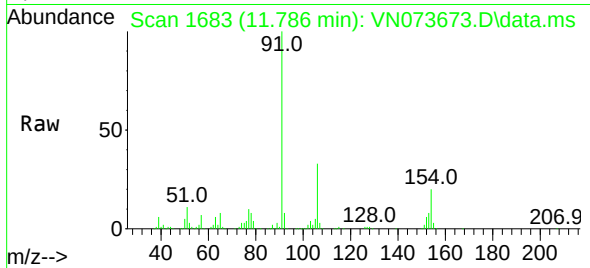




#67
Ethyl Benzene
Concen: 7.965 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

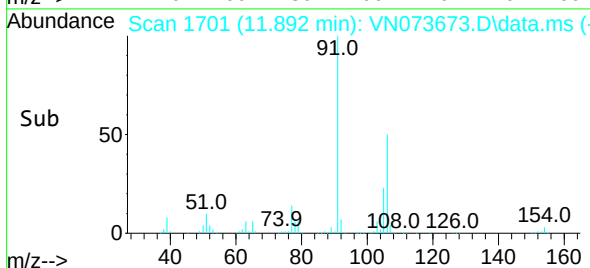
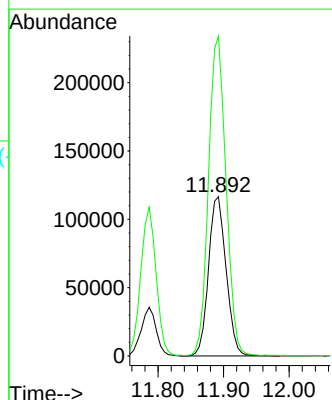
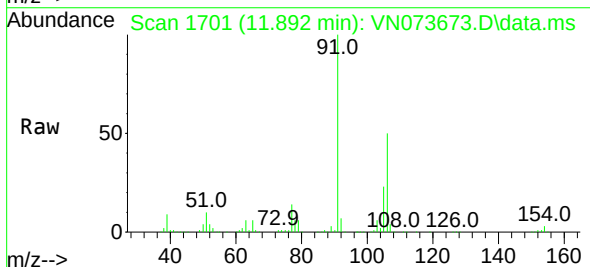
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

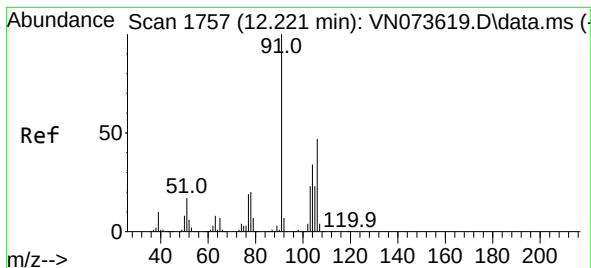
Tgt Ion: 91 Resp: 177249
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3



#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 :

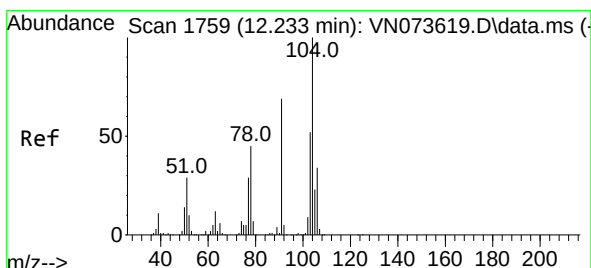
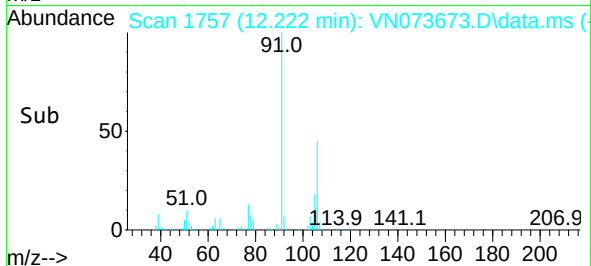
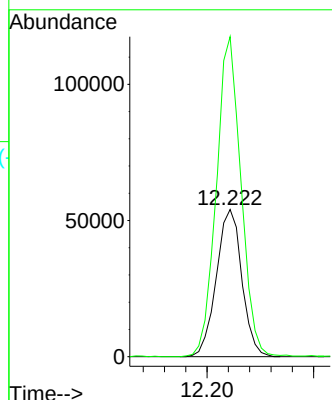
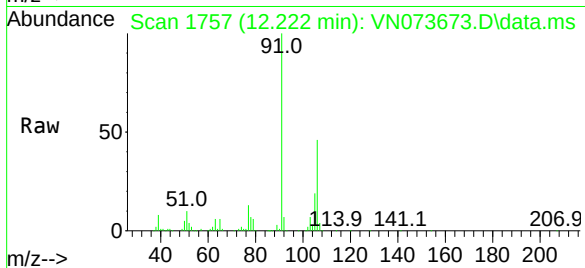
HMGP-SOIL-C

Tgt Ion:106 Resp: 89572

Ion Ratio Lower Upper

106 100

91 210.7 106.0 318.0



#70

Styrene

Concen: 0.580 ug/l

RT: 12.227 min Scan# 1758

Delta R.T. -0.006 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

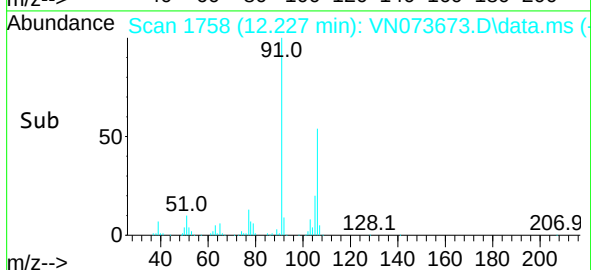
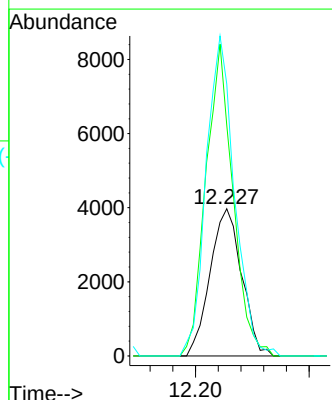
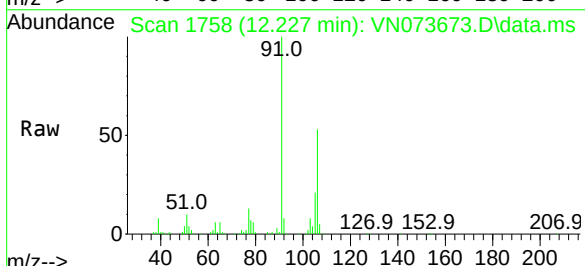
Tgt Ion:104 Resp: 7689

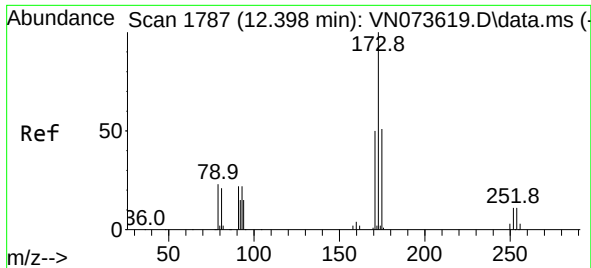
Ion Ratio Lower Upper

104 100

78 180.5 39.5 59.3#

103 195.1 44.0 66.0#

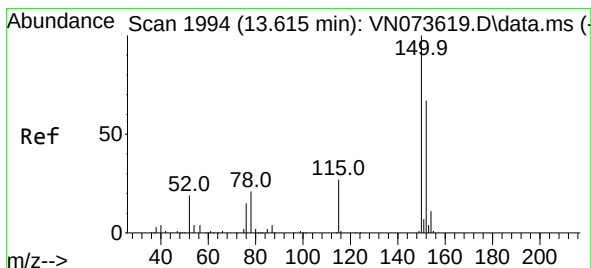
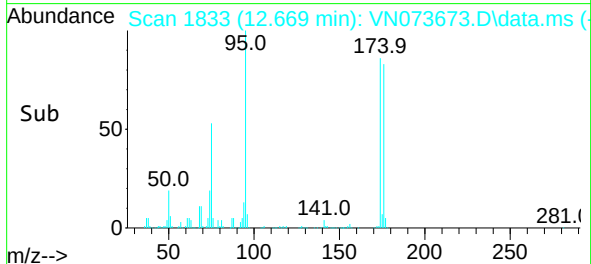
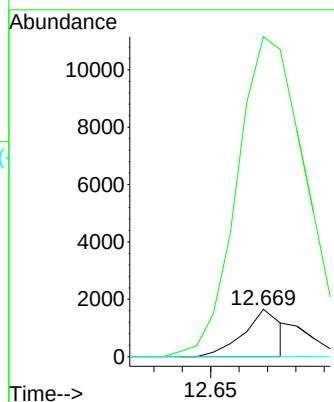
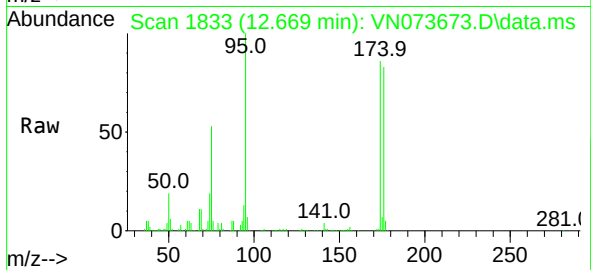




#71
Bromoform
Concen: 0.389 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

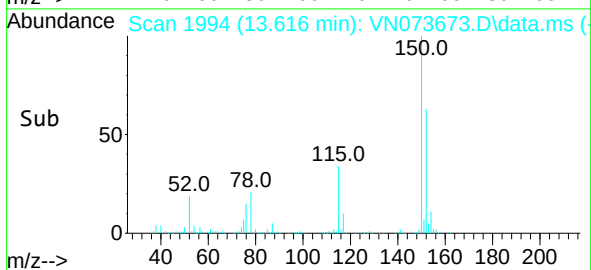
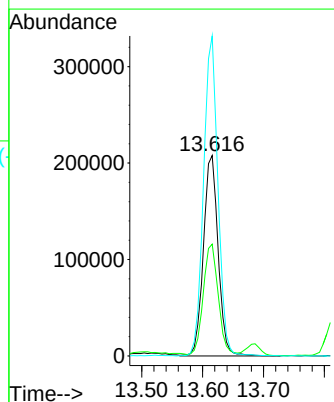
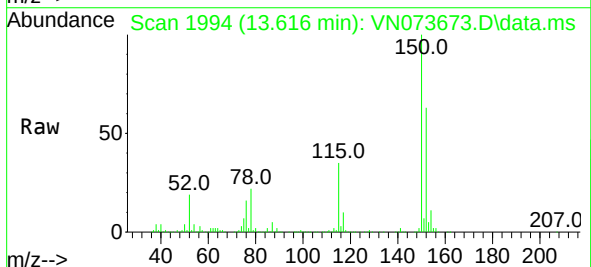
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

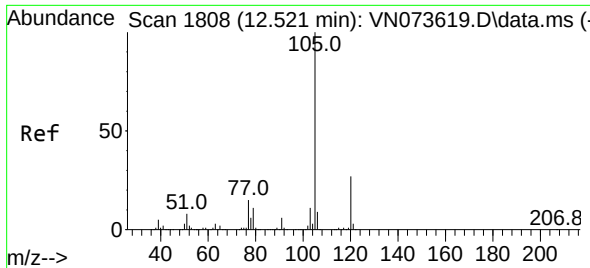
Tgt Ion:173 Resp: 1521
Ion Ratio Lower Upper
173 100
175 859.2 24.6 73.6#
254 0.0 0.1 0.1#



#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

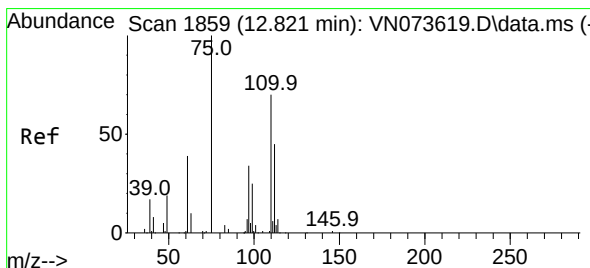
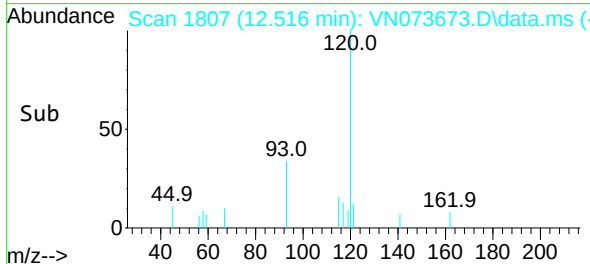
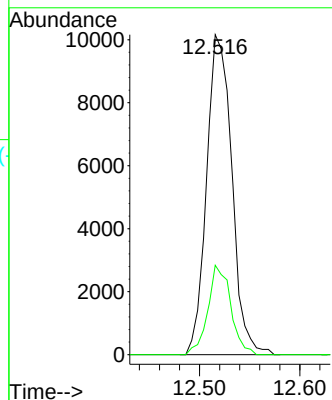
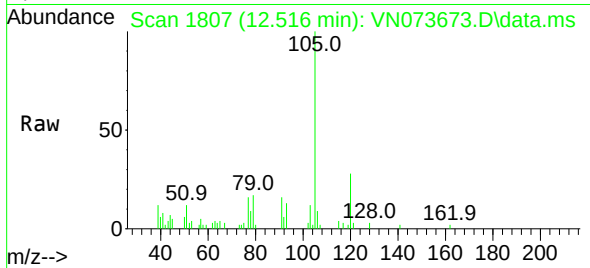




#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

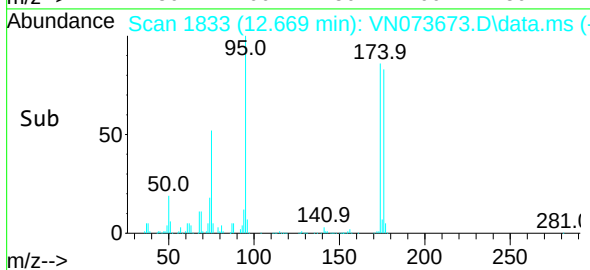
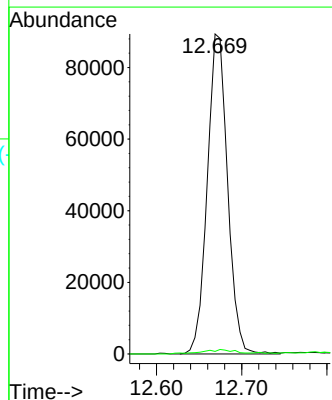
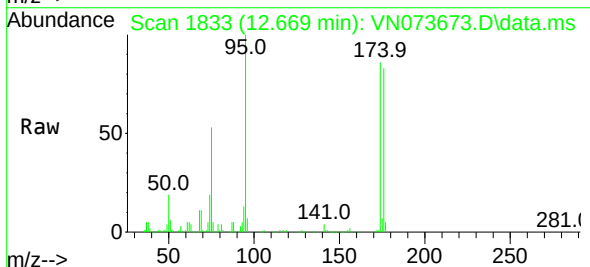
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

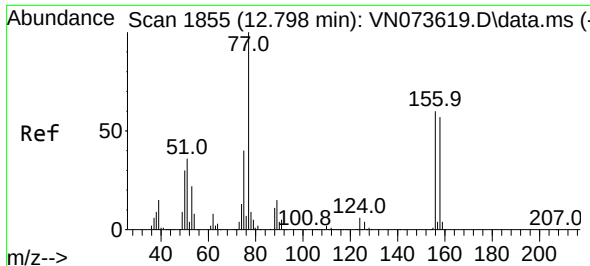
Tgt Ion:105 Resp: 17818
Ion Ratio Lower Upper
105 100
120 25.3 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 21.225 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 75 Resp: 148060
Ion Ratio Lower Upper
75 100
77 2.2 98.5 295.5#

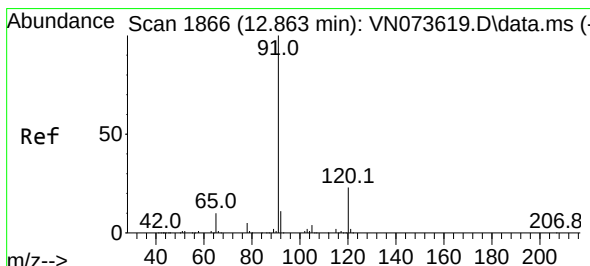
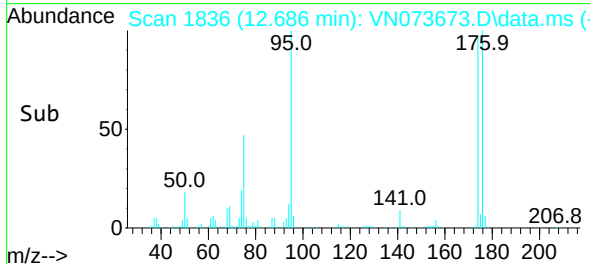
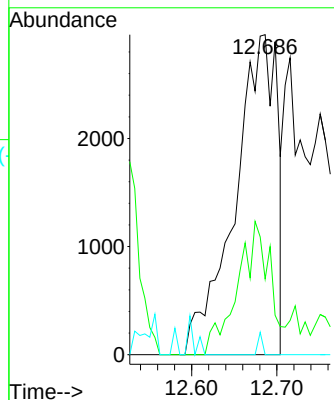
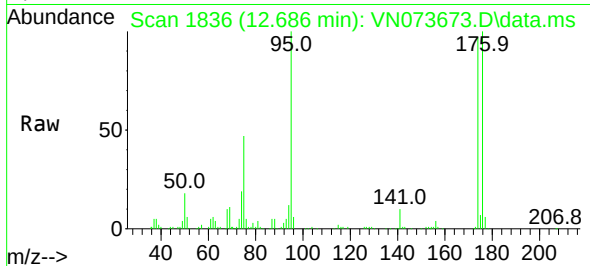




#77
Bromobenzene
Concen: 1.537 ug/l
RT: 12.686 min Scan# 1836
Delta R.T. -0.112 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

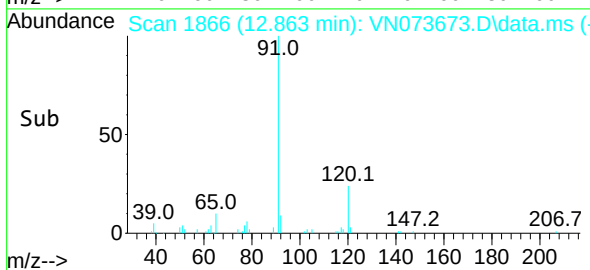
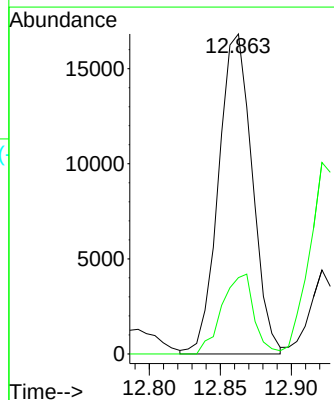
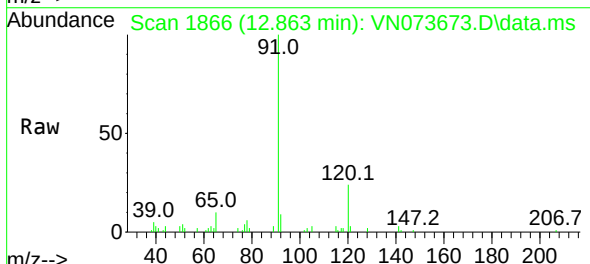
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

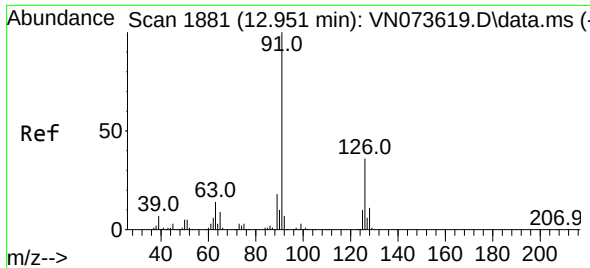
Tgt Ion:156 Resp: 10261
Ion Ratio Lower Upper
156 100
77 32.0 100.5 301.5#
158 0.7 48.9 146.6#



#78
n-propylbenzene
Concen: 0.962 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 91 Resp: 27735
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5

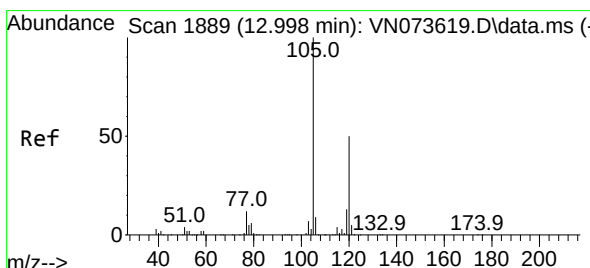
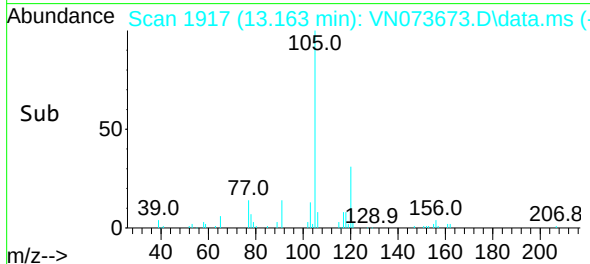
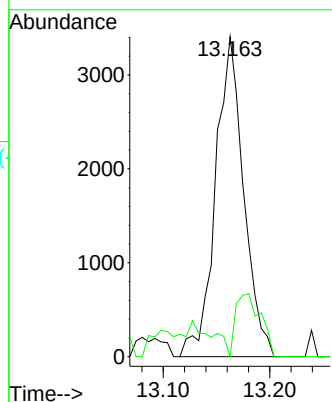
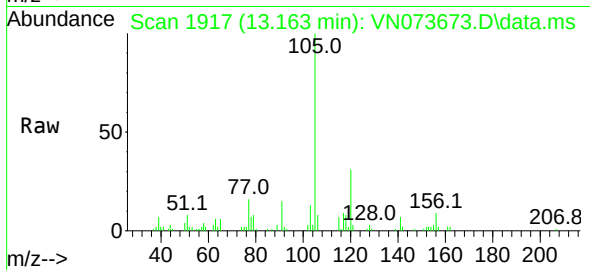




#79
2-Chlorotoluene
Concen: 0.348 ug/l
RT: 13.163 min Scan# 1917
Delta R.T. 0.212 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

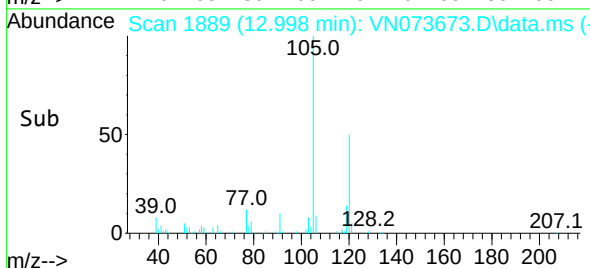
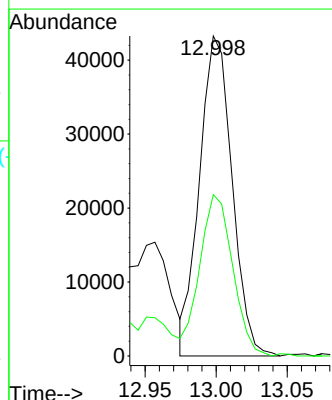
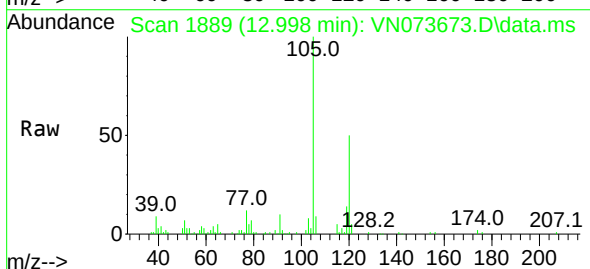
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

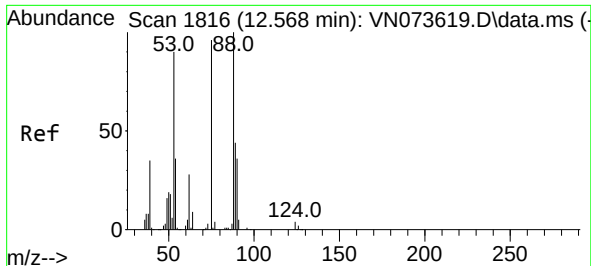
Tgt Ion: 91 Resp: 6260
Ion Ratio Lower Upper
91 100
126 17.4 17.3 51.9



#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

Tgt Ion: 105 Resp: 68969
Ion Ratio Lower Upper
105 100
120 51.1 24.9 74.7

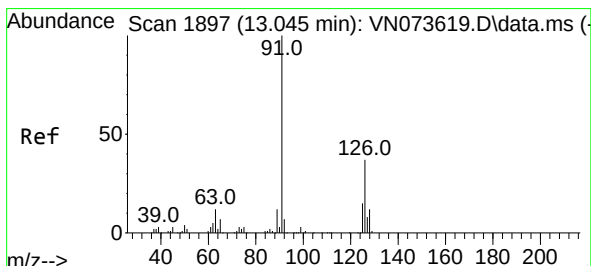
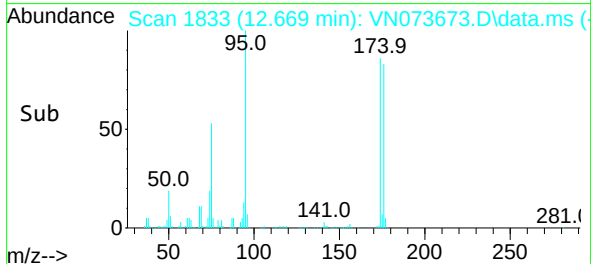
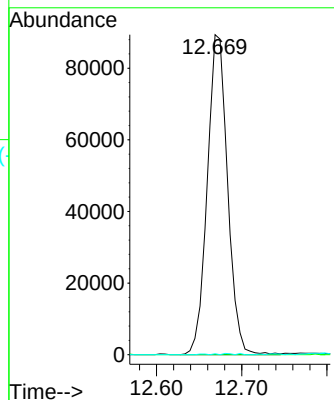
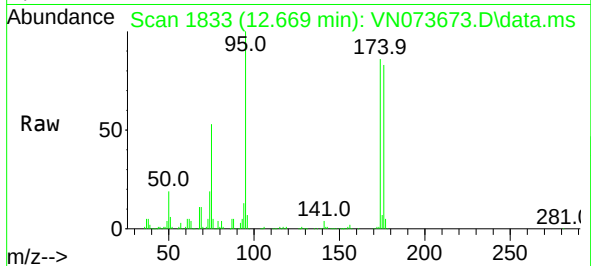




#81
trans-1,4-Dichloro-2-butene
Concen: 54.793 ug/l
RT: 12.669 min Scan# 1816
Delta R.T. 0.100 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

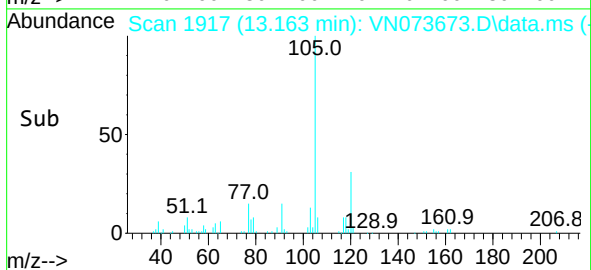
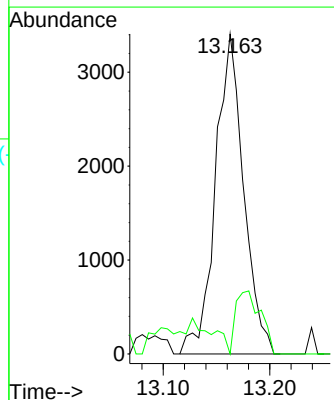
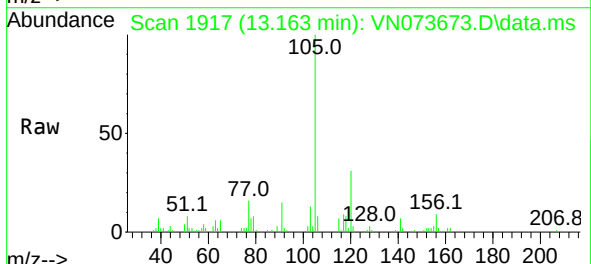
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

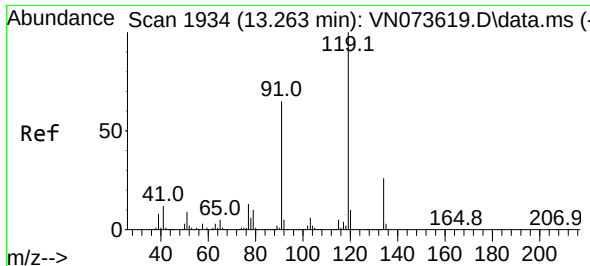
Tgt Ion: 75 Resp: 148060
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.2 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.367 ug/l
RT: 13.163 min Scan# 1917
Delta R.T. 0.118 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Tgt Ion: 91 Resp: 6260
Ion Ratio Lower Upper
91 100
126 17.4 17.2 51.6

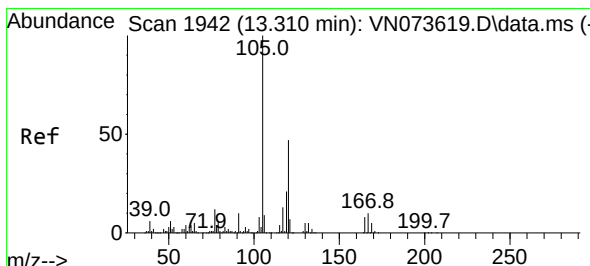
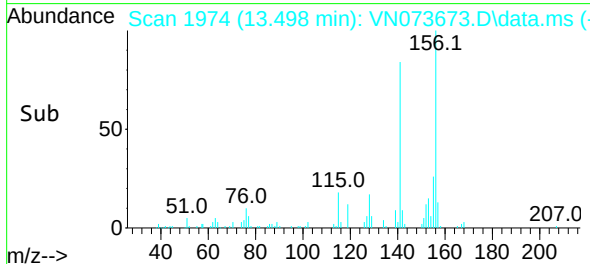
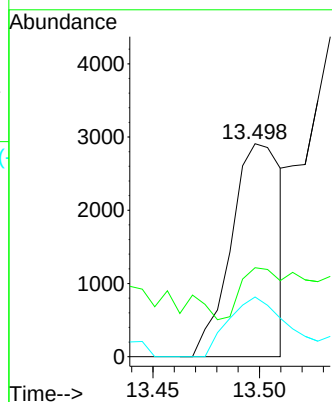
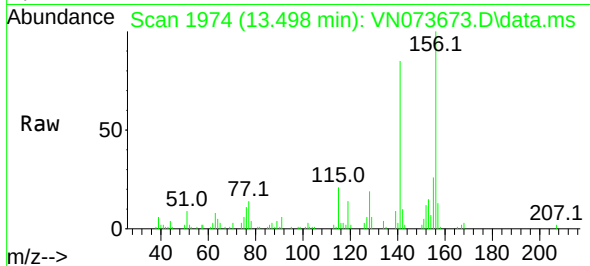




#83
tert-Butylbenzene
Concen: 0.253 ug/l
RT: 13.498 min Scan# 1974
Delta R.T. 0.235 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

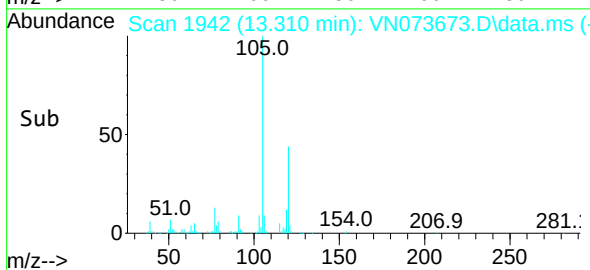
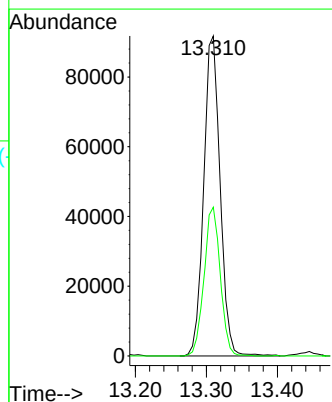
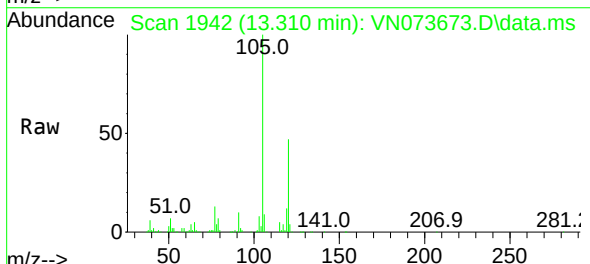
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

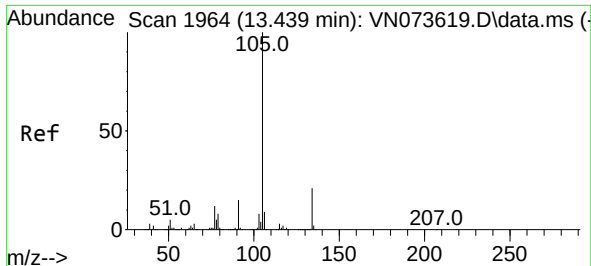
Tgt Ion:119 Resp: 4727
Ion Ratio Lower Upper
119 100
91 31.7 31.6 94.8
134 33.4 13.7 41.1



#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

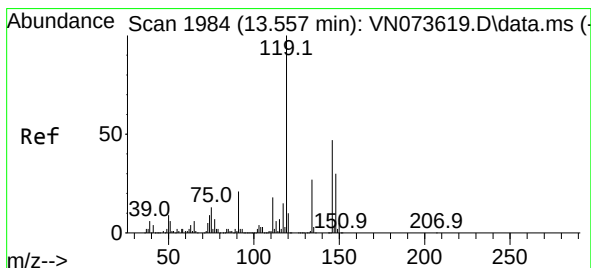
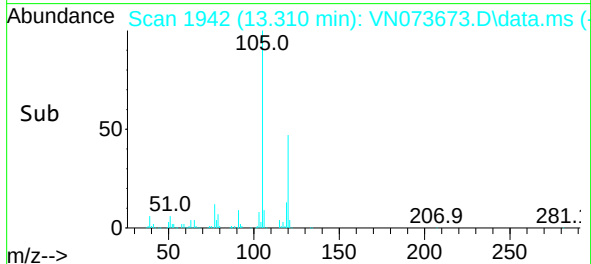
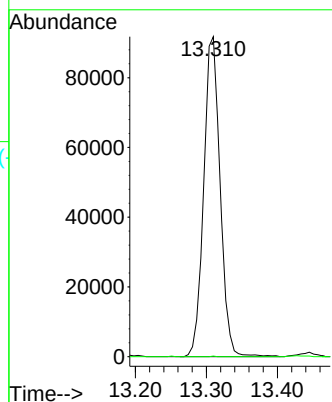
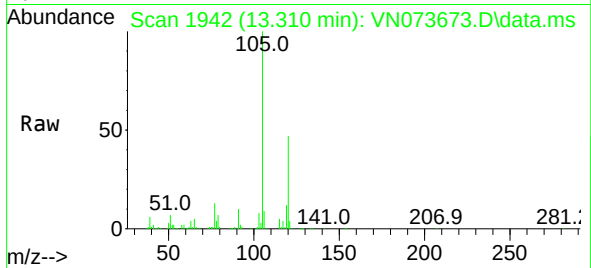




#85
 sec-Butylbenzene
 Concen: 5.711 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. -0.129 min
 Lab File: VN073673.D
 Acq: 01 Aug 2022 20:37

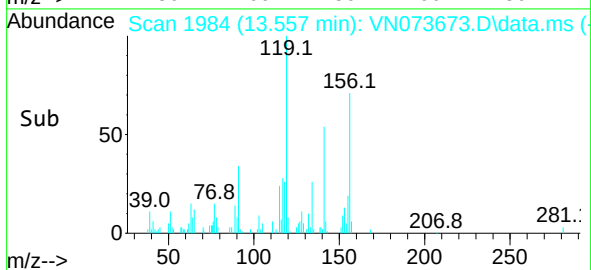
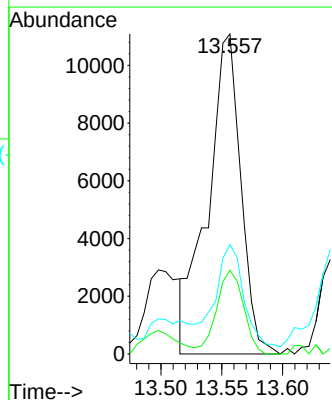
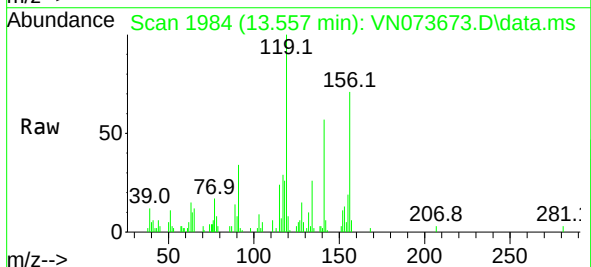
Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-C

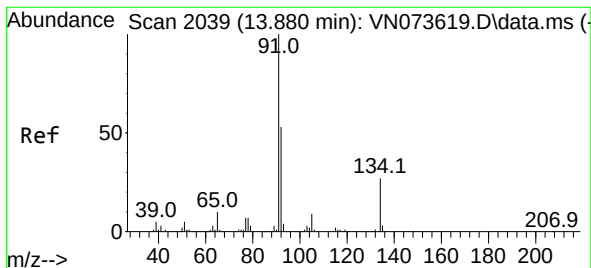
Tgt Ion:105 Resp: 147482
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#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

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





#89

n-Butylbenzene

Concen: 2.025 ug/l

RT: 13.816 min Scan# 2039

Delta R.T. -0.065 min

Lab File: VN073673.D

Acq: 01 Aug 2022 20:37

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-C

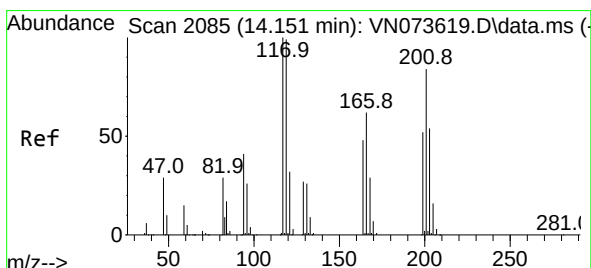
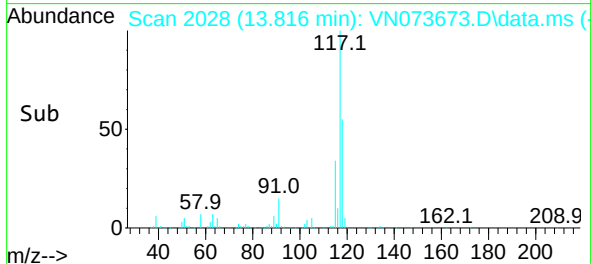
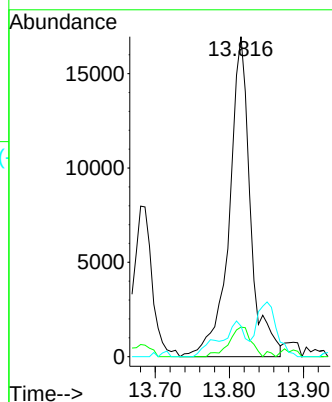
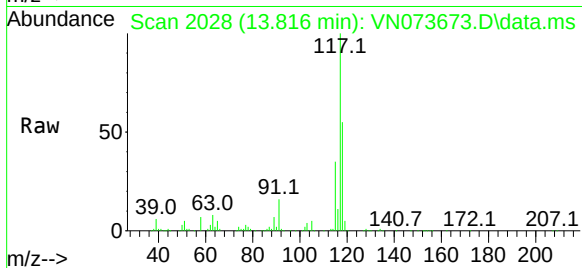
Tgt Ion: 91 Resp: 33548

Ion Ratio Lower Upper

91 100

92 9.5 26.9 80.7#

134 7.1 13.6 40.8#



#90

Hexachloroethane

Concen: 1.262 ug/l

RT: 14.139 min Scan# 2083

Delta R.T. -0.012 min

Lab File: VN073673.D

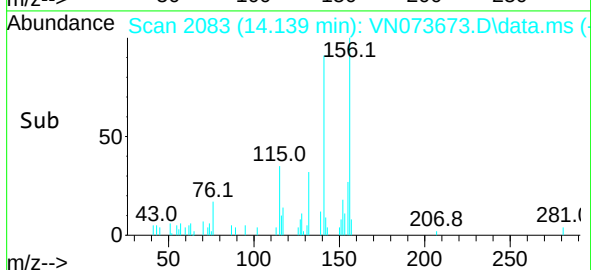
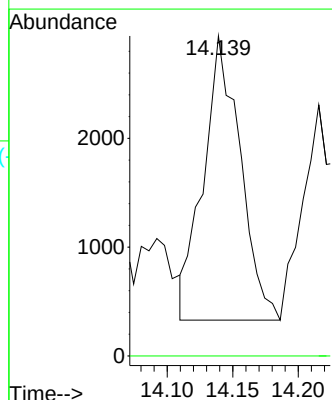
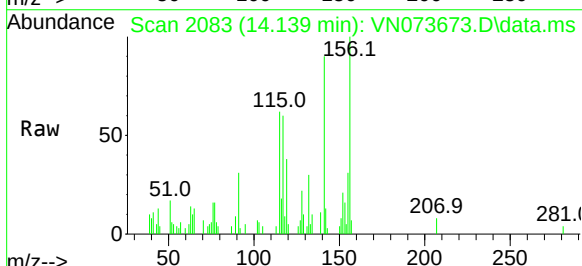
Acq: 01 Aug 2022 20:37

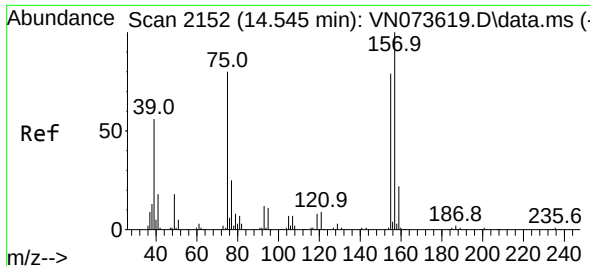
Tgt Ion: 117 Resp: 5096

Ion Ratio Lower Upper

117 100

201 0.0 40.6 122.0#

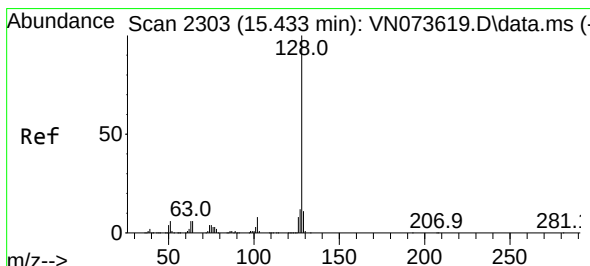
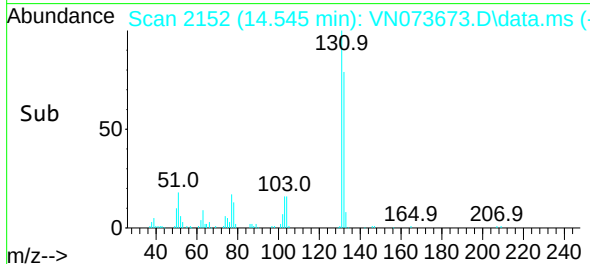
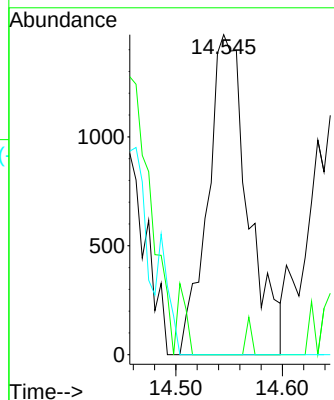
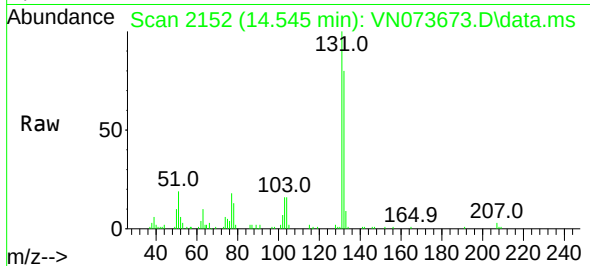




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.945 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN073673.D
Acq: 01 Aug 2022 20:37

Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-C

Tgt Ion: 75 Resp: 3865
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 0.0 59.0 176.8#



#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

