

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073671.D
 Acq On : 01 Aug 2022 19:48
 Operator : JC\MD
 Sample : N3964-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-A

Quant Time: Aug 02 05:05:41 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	8.016	168	337175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	555165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	554609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	242462	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	199128	48.461	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.920%
35) Dibromofluoromethane	7.951	113	183179	52.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.100%
50) Toluene-d8	10.380	98	650696	47.433	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.860%
62) 4-Bromofluorobenzene	12.674	95	231624	50.450	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.900%

Target Compounds			Qvalue			
3) Chloromethane	2.269	50	602	Below Cal	#	43
6) Chloroethane	2.963	64	563	Below Cal	#	81
11) Tert butyl alcohol	5.304	59	2518	2.841	ug/l #	72
13) Acrolein	3.993	56	321	0.365	ug/l #	16
14) Allyl chloride	4.734	41	1364	0.267	ug/l #	24
16) Acetone	4.222	43	113255	51.316	ug/l	99
17) Carbon Disulfide	4.469	76	1774	0.209	ug/l #	75
18) Methyl Acetate	4.787	43	3924	0.715	ug/l #	85
20) Methylene Chloride	5.016	84	19076	3.284	ug/l	92
25) 2-Butanone	7.263	43	32063	9.355	ug/l	96
29) Tetrahydrofuran	7.616	42	10348	4.775	ug/l	98
31) Cyclohexane	8.022	56	6171	1.009	ug/l #	18
36) 1,1-Dichloropropene	8.022	75	24525	4.936	ug/l #	49
37) Ethyl Acetate	7.339	43	48091	7.350	ug/l	97
38) Carbon Tetrachloride	8.022	117	31240	6.191	ug/l #	18
40) Benzene	8.392	78	13367	0.828	ug/l	93
41) Methacrylonitrile	7.622	41	5908	1.995	ug/l #	39
42) 1,2-Dichloroethane	8.486	62	1498	0.275	ug/l #	74
43) Isopropyl Acetate	8.498	43	199074	22.525	ug/l #	92
45) 1,2-Dichloropropane	9.563	63	3356	0.832	ug/l #	44
48) Methyl methacrylate	9.492	41	6890	1.781	ug/l #	39
49) 1,4-Dioxane	9.504	88	273	2.503	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	23140	3.650	ug/l #	80
52) Toluene	10.445	92	3999	0.406	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	1337	0.252	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	73052	12.215	ug/l #	66
57) 1,3-Dichloropropane	11.033	76	10751	1.542	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.186	63	110	9.977	ug/l #	44
59) 2-Hexanone	11.033	43	131157	27.309	ug/l #	49
67) Ethyl Benzene	11.786	91	10300	0.518	ug/l	90
68) m/p-Xylenes	11.892	106	3983	0.525	ug/l	89
69) o-Xylene	12.221	106	5562	0.753	ug/l	100
76) 1,2,3-Trichloropropane	12.674	75	119401	25.288	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.004	105	4549	0.311	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.674	75	119401	63.818	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.310	105	9254	0.644	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

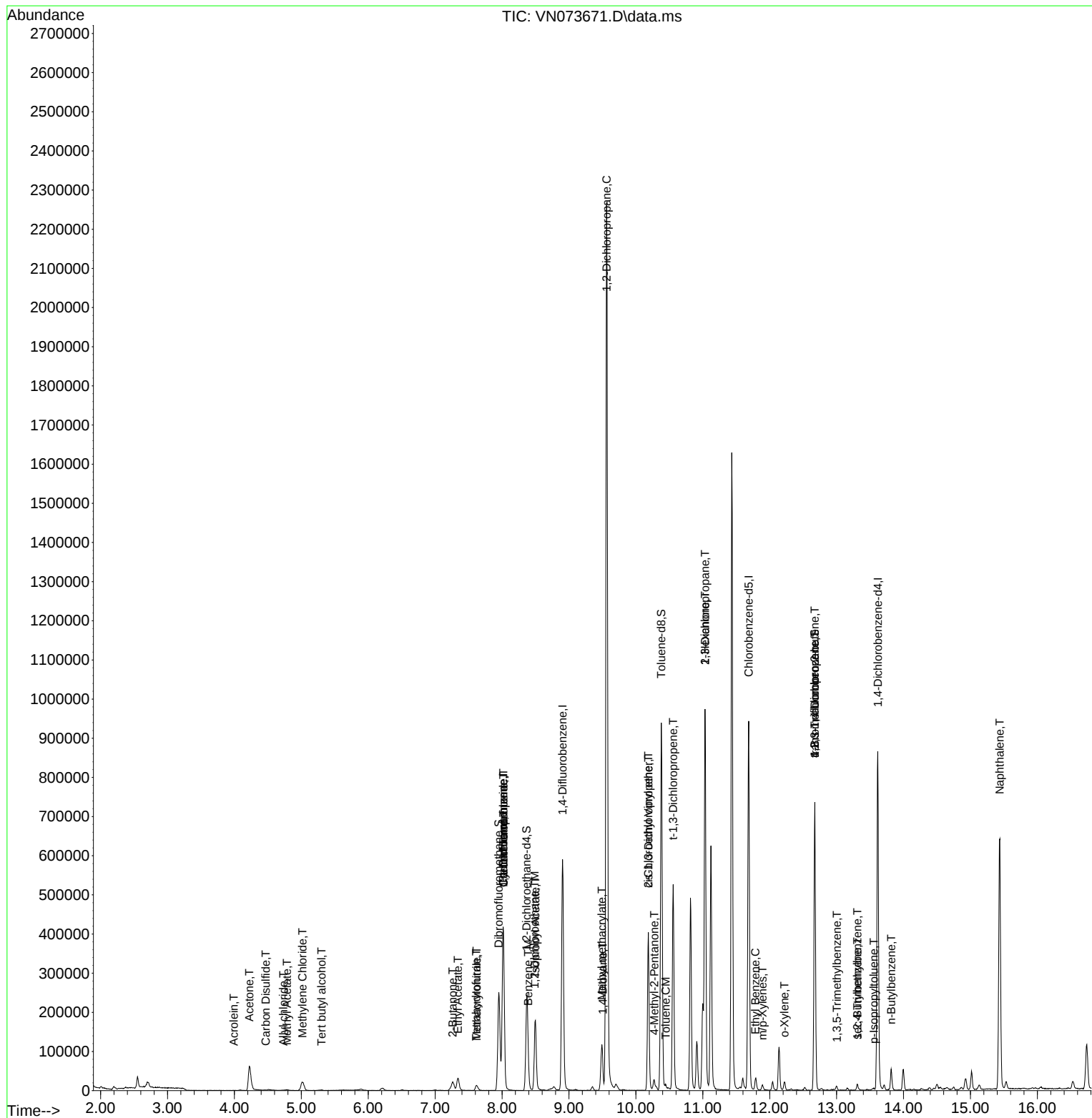
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.310	105	9254	0.518	ug/l #	56
86) p-Isopropyltoluene	13.557	119	2957	0.210	ug/l	89
89) n-Butylbenzene	13.815	91	4355	0.380	ug/l #	37
95) Naphthalene	15.439	128	604985	43.912	ug/l	100

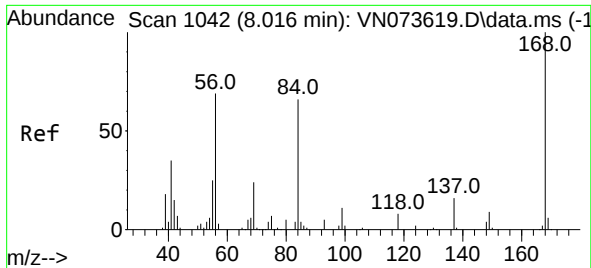
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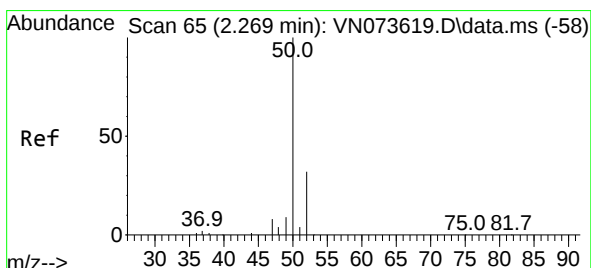
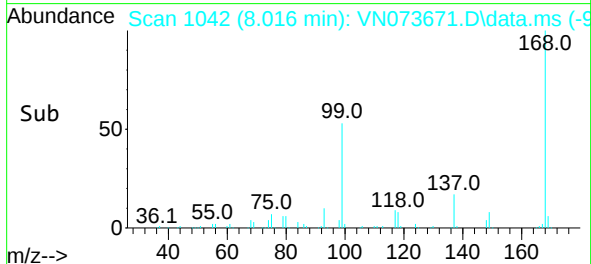
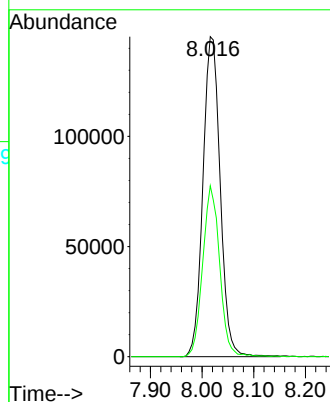
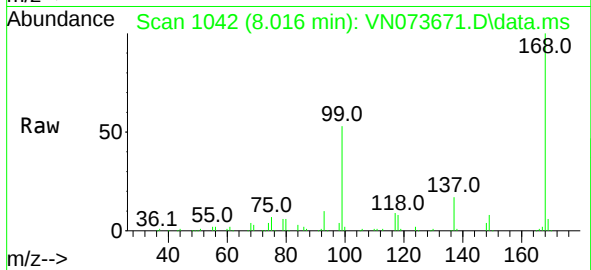




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

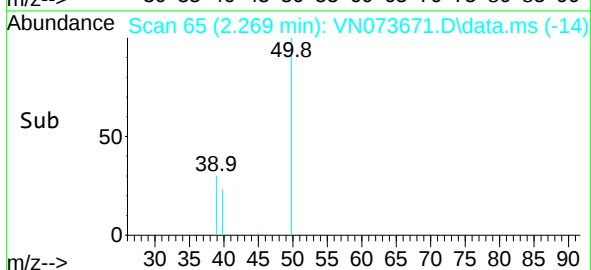
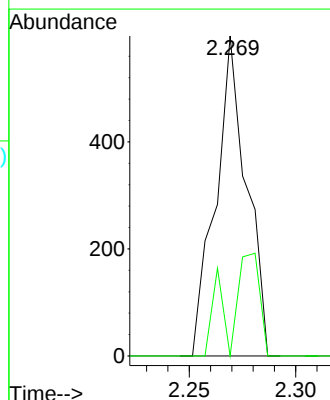
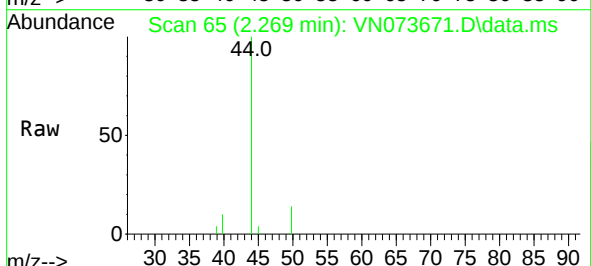
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

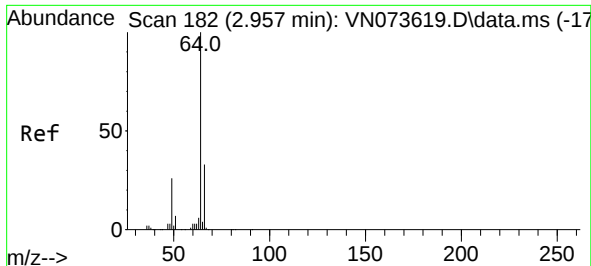
Tgt Ion:168 Resp: 337175
Ion Ratio Lower Upper
168 100
99 53.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 50 Resp: 602
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

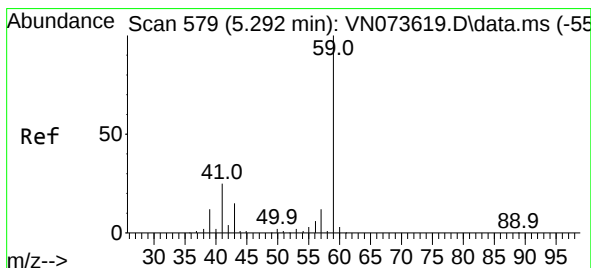
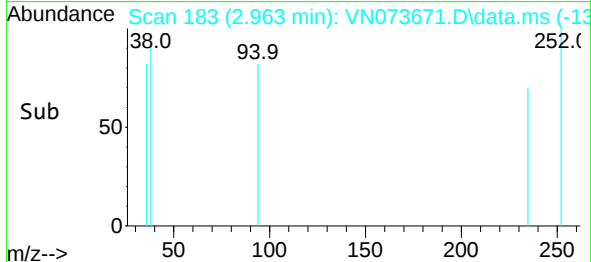
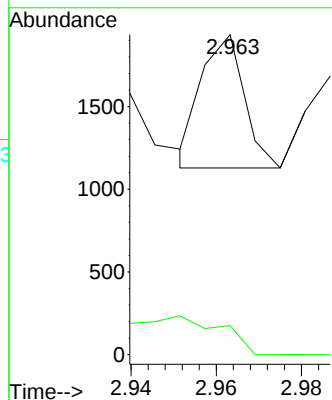
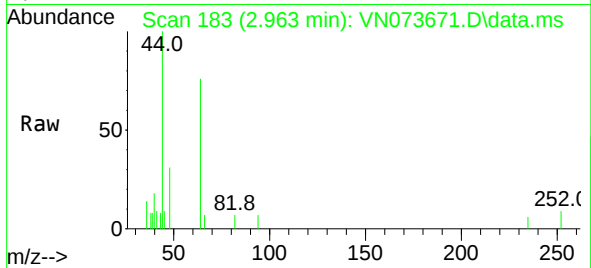




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

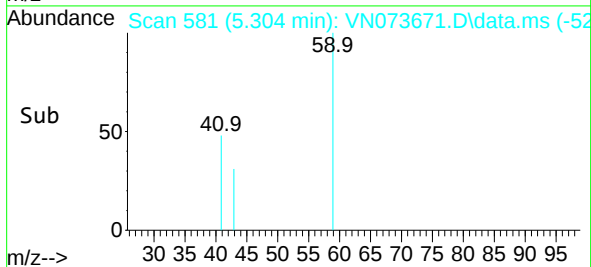
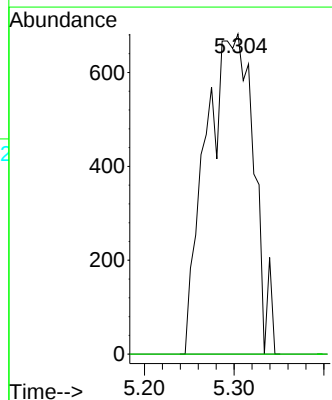
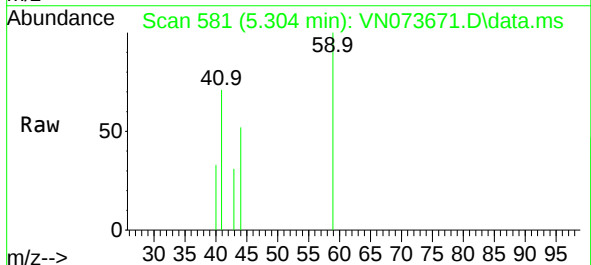
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

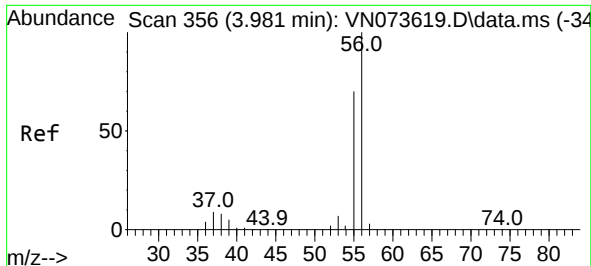
Tgt Ion: 64 Resp: 563
Ion Ratio Lower Upper
64 100
66 21.8 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.841 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 59 Resp: 2518
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.365 ug/l

RT: 3.993 min Scan# 358

Delta R.T. 0.012 min

Lab File: VN073671.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

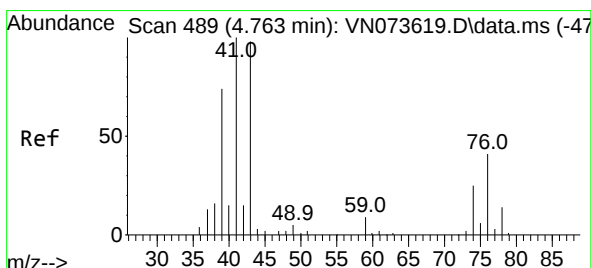
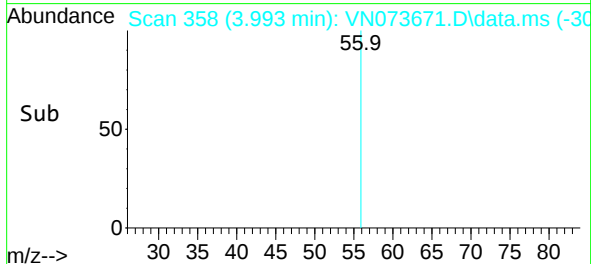
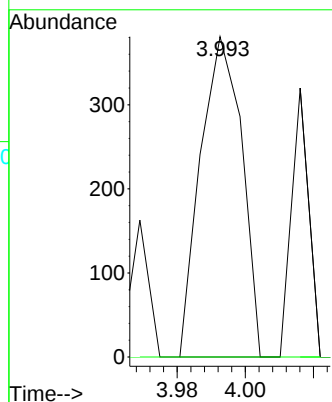
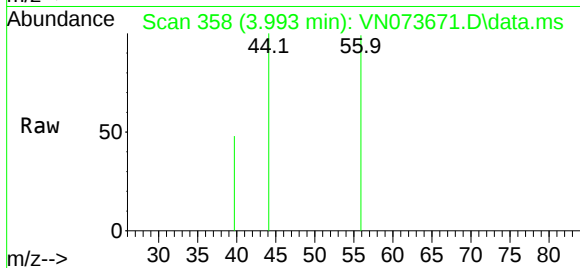
HMGP-SOIL-A

Tgt Ion: 56 Resp: 321

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#14

Allyl chloride

Concen: 0.267 ug/l

RT: 4.734 min Scan# 484

Delta R.T. -0.029 min

Lab File: VN073671.D

Acq: 01 Aug 2022 19:48

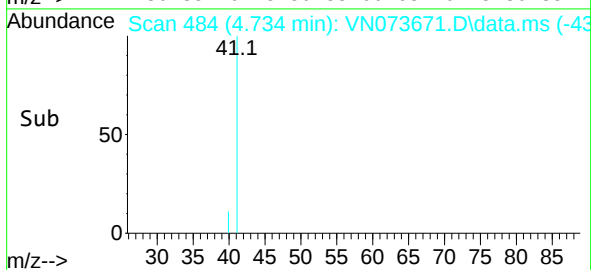
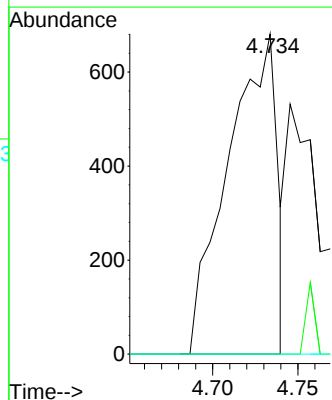
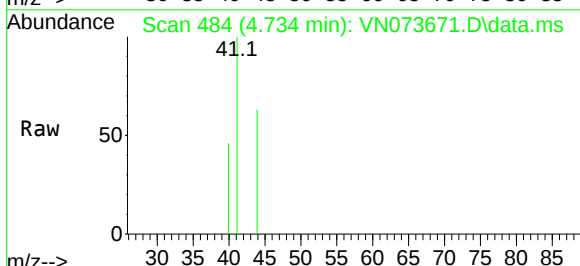
Tgt Ion: 41 Resp: 1364

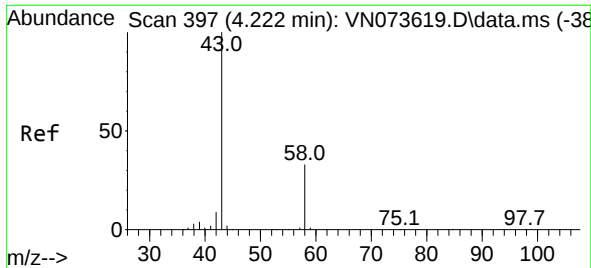
Ion Ratio Lower Upper

41 100

39 0.0 53.2 79.8#

76 0.0 29.9 44.9#

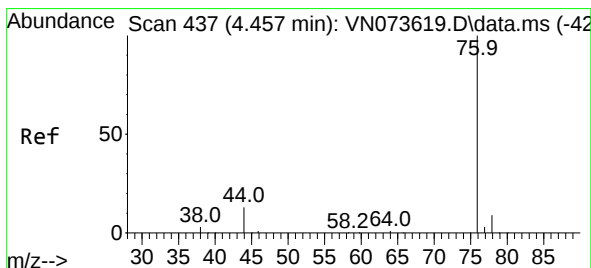
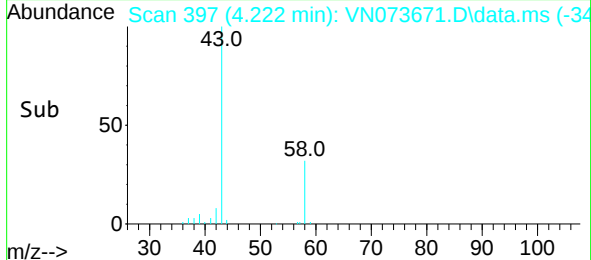
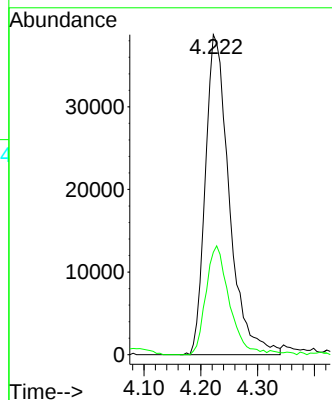
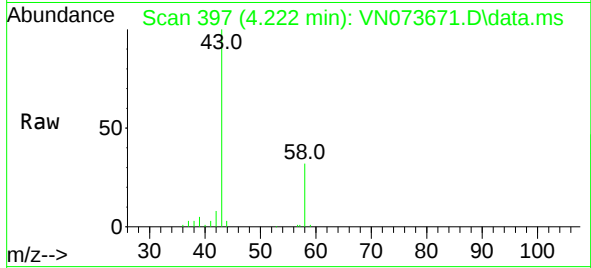




#16
Acetone
Concen: 51.316 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

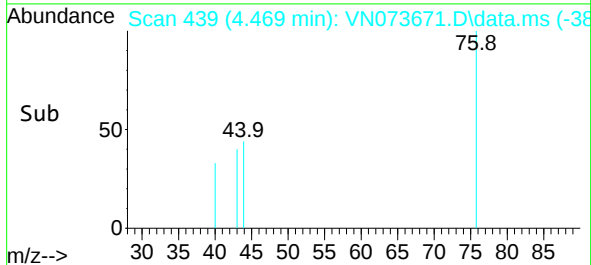
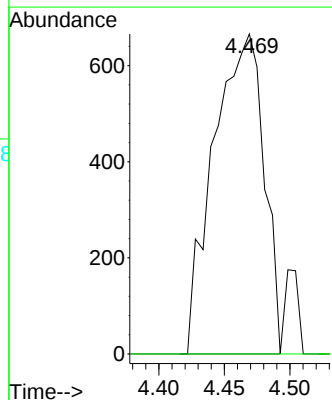
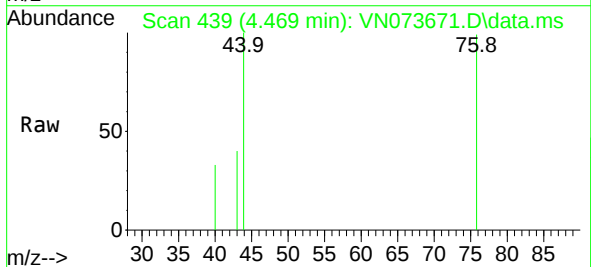
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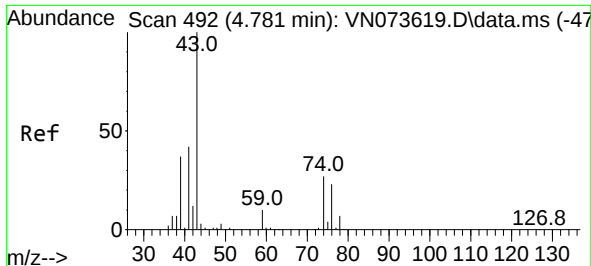
Tgt Ion: 43 Resp: 113255
Ion Ratio Lower Upper
43 100
58 32.0 26.0 39.0



#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.469 min Scan# 439
Delta R.T. 0.012 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 76 Resp: 1774
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

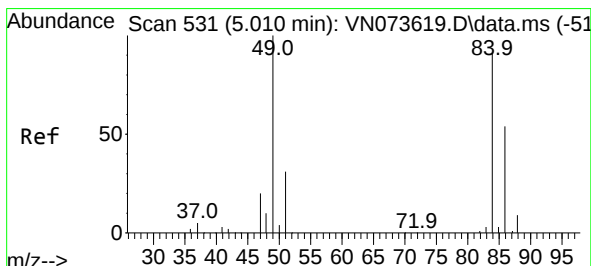
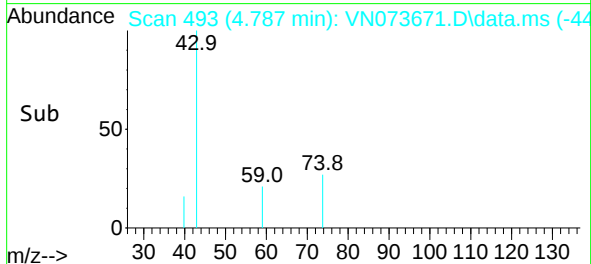
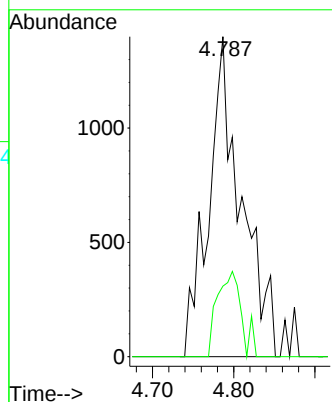
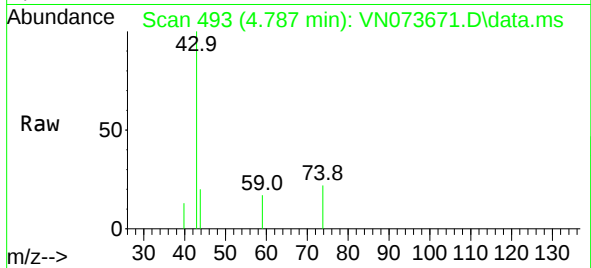




#18
Methyl Acetate
Concen: 0.715 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

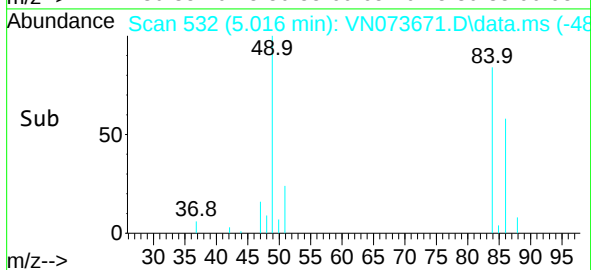
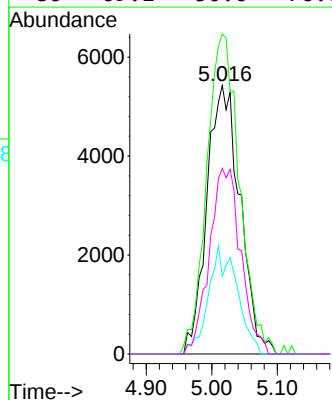
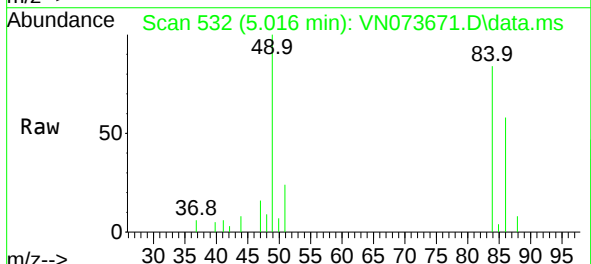
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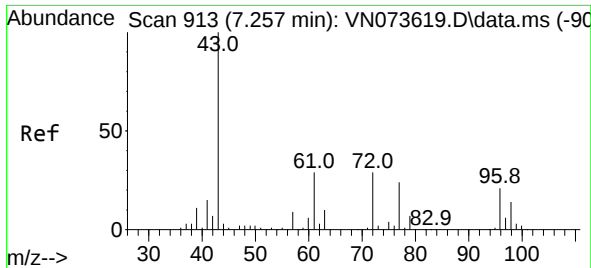
Tgt Ion: 43 Resp: 3924
Ion Ratio Lower Upper
43 100
74 19.4 21.6 32.4#



#20
Methylene Chloride
Concen: 3.284 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 84 Resp: 19076
Ion Ratio Lower Upper
84 100
49 119.2 88.3 132.5
51 29.1 28.2 42.2
86 69.1 50.6 76.0





#25

2-Butanone

Concen: 9.355 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN073671.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

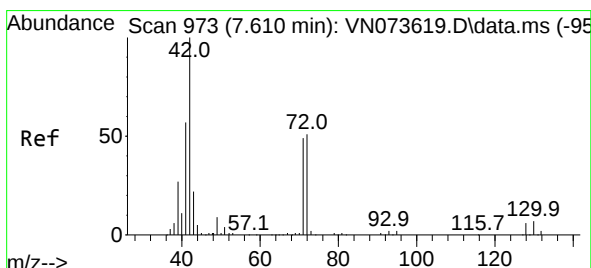
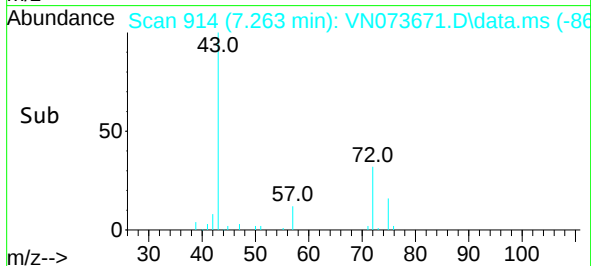
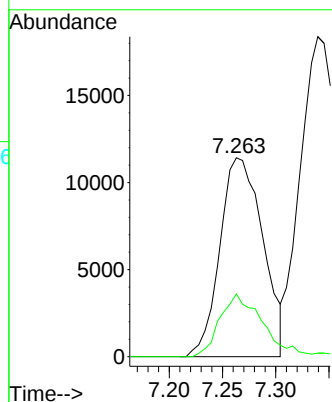
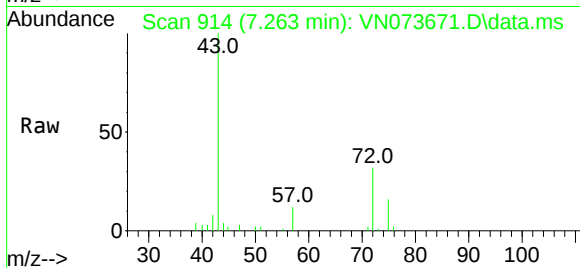
HMGP-SOIL-A

Tgt Ion: 43 Resp: 32063

Ion Ratio Lower Upper

43 100

72 31.5 23.7 35.5



#29

Tetrahydrofuran

Concen: 4.775 ug/l

RT: 7.616 min Scan# 974

Delta R.T. 0.006 min

Lab File: VN073671.D

Acq: 01 Aug 2022 19:48

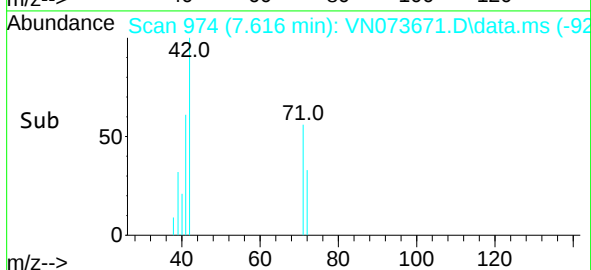
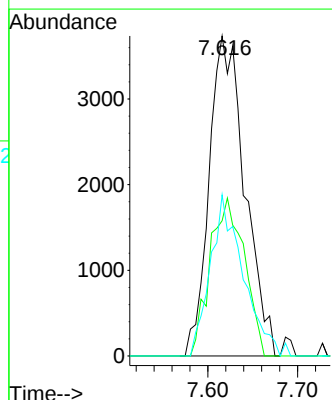
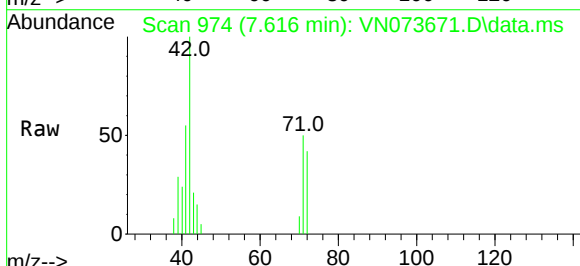
Tgt Ion: 42 Resp: 10348

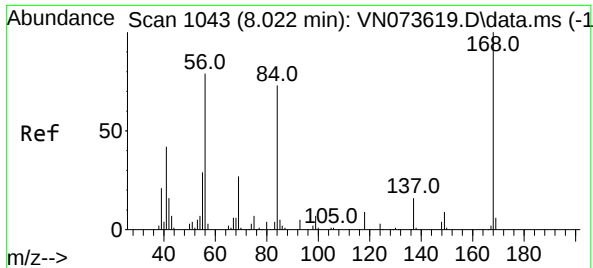
Ion Ratio Lower Upper

42 100

72 47.2 39.7 59.5

71 46.3 36.6 55.0

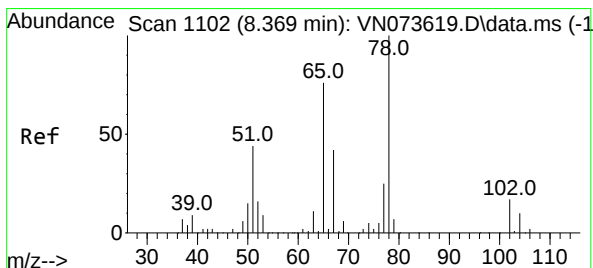
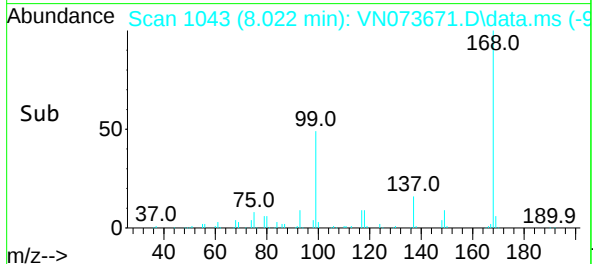
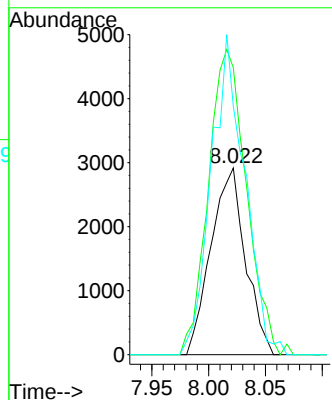
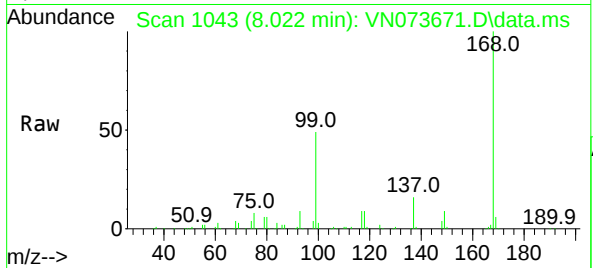




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

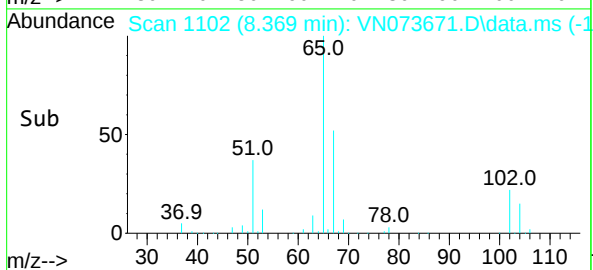
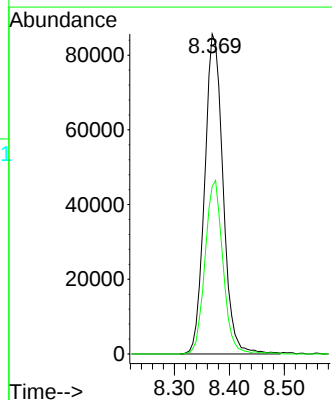
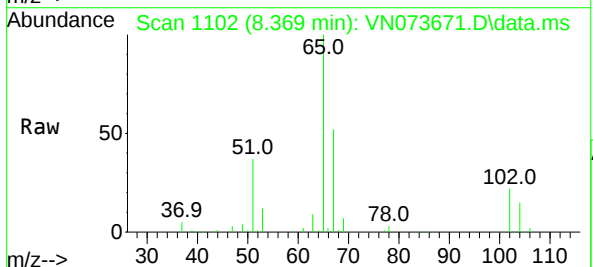
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

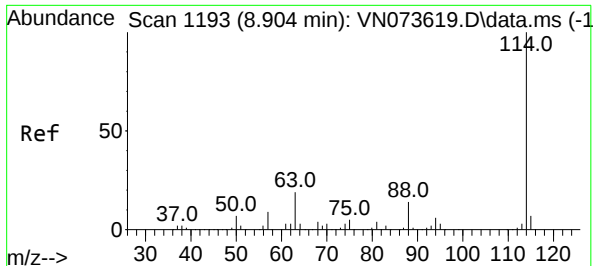
Tgt Ion: 56 Resp: 6171
Ion Ratio Lower Upper
56 100
69 153.8 27.8 41.8#
84 133.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.461 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 65 Resp: 199128
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8

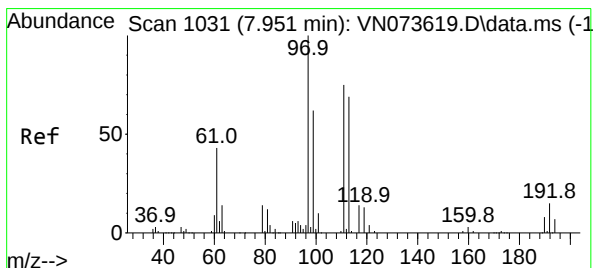
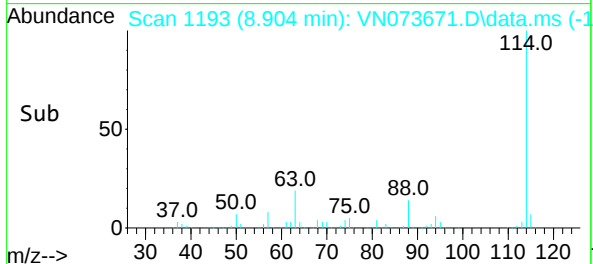
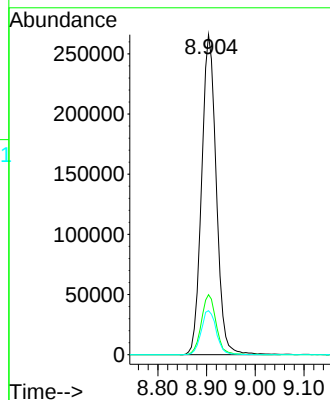
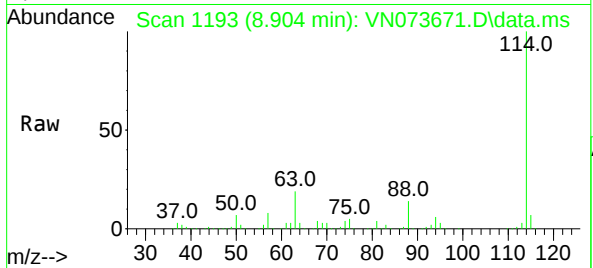




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

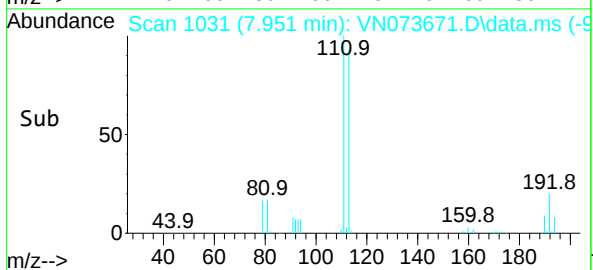
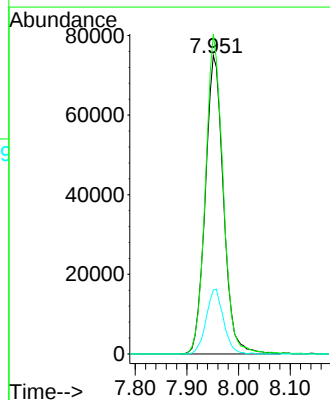
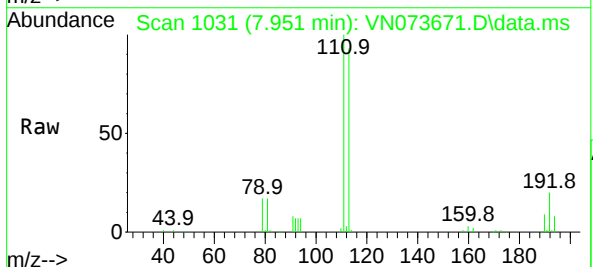
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

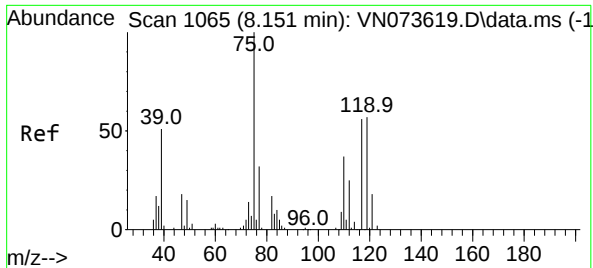
Tgt Ion:114 Resp: 555165
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 13.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.546 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion:113 Resp: 183179
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.0
192 20.7 17.0 25.6

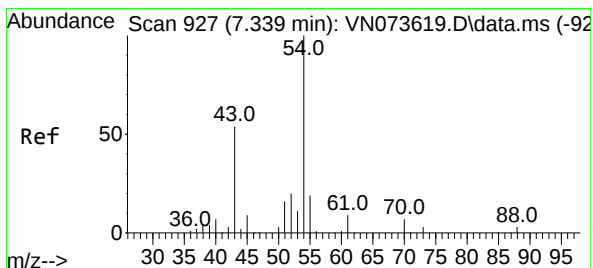
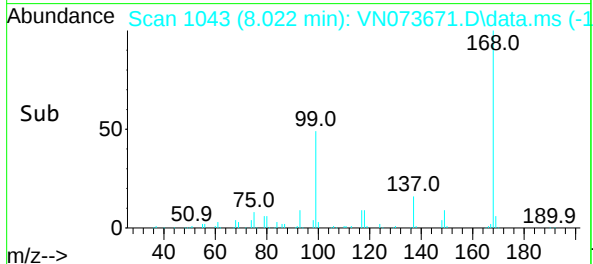
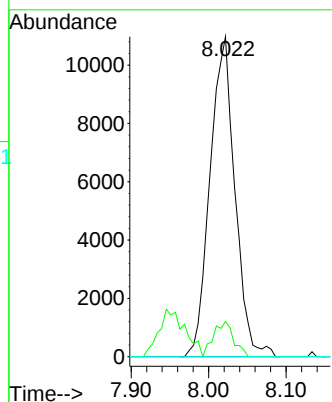
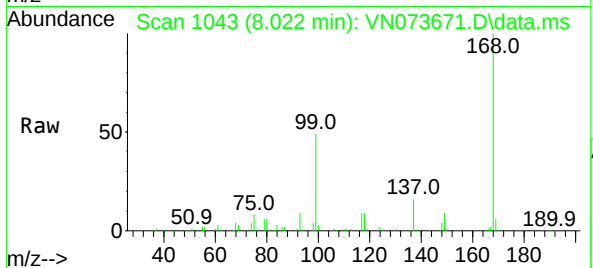




#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

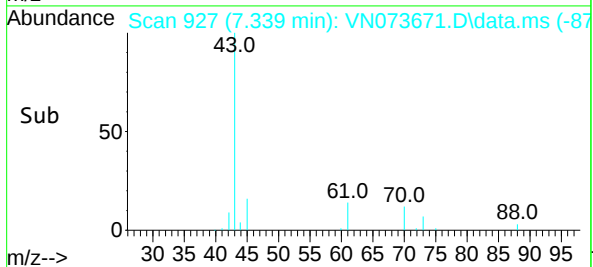
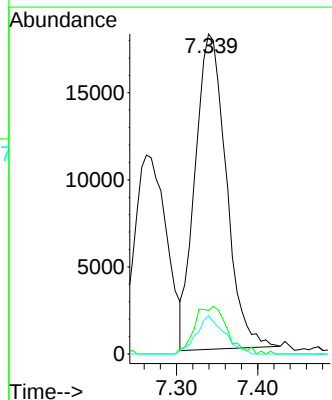
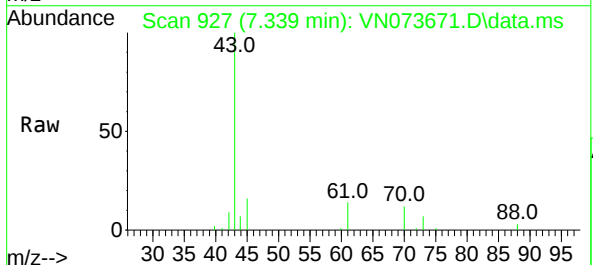
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

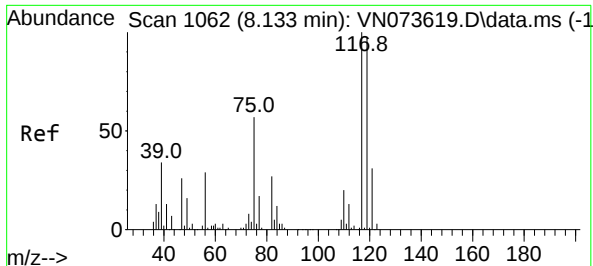
Tgt Ion: 75 Resp: 24525
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.350 ug/l
RT: 7.339 min Scan# 927
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 43 Resp: 48091
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 10.9 9.3 13.9

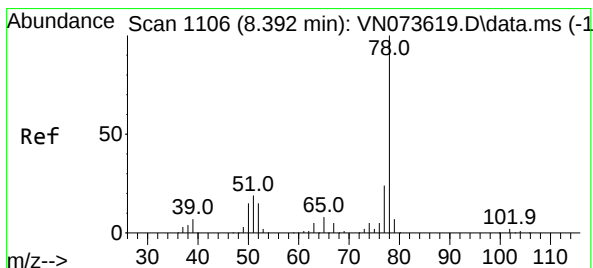
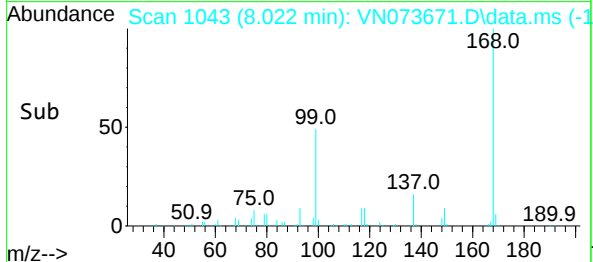
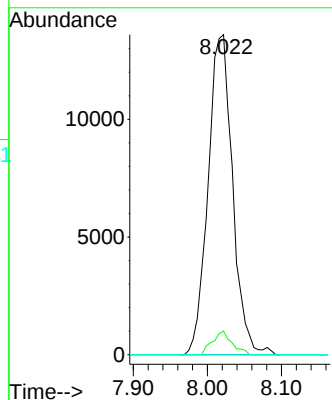
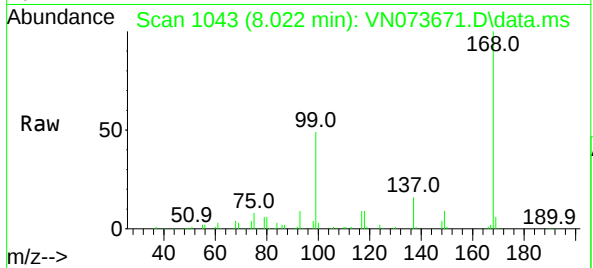




#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

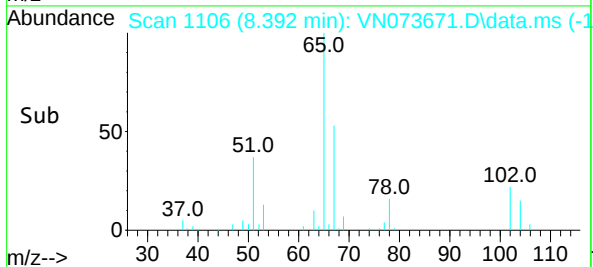
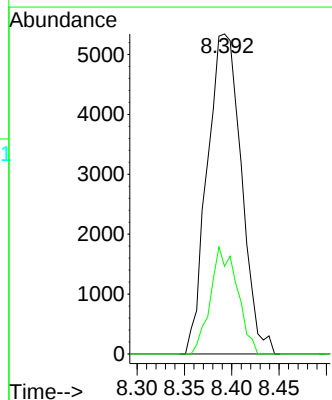
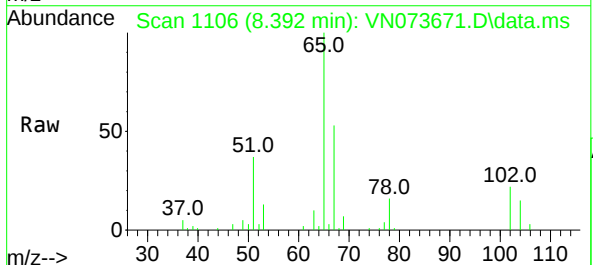
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

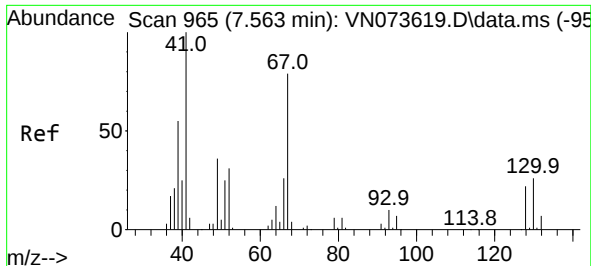
Tgt Ion:117 Resp: 31240
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.828 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 78 Resp: 13367
Ion Ratio Lower Upper
78 100
77 27.4 19.4 29.0

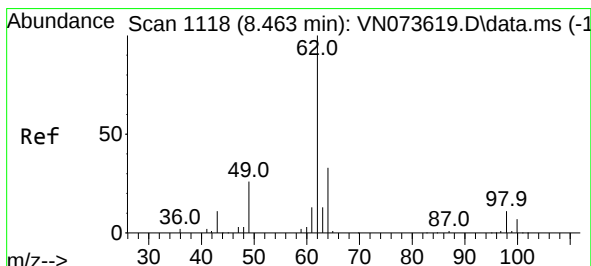
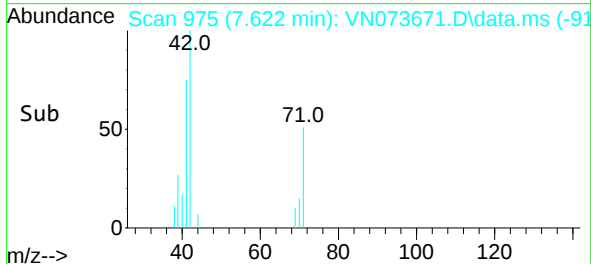
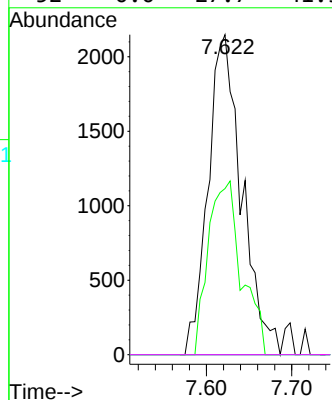
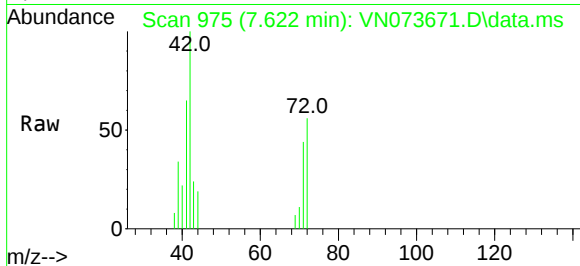




#41
Methacrylonitrile
Concen: 1.995 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

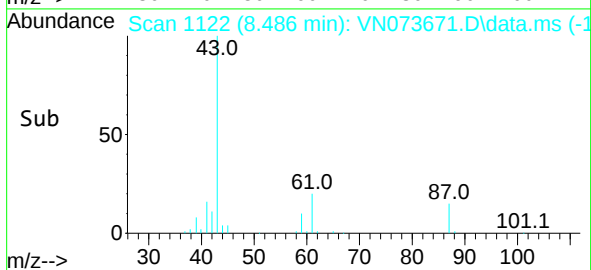
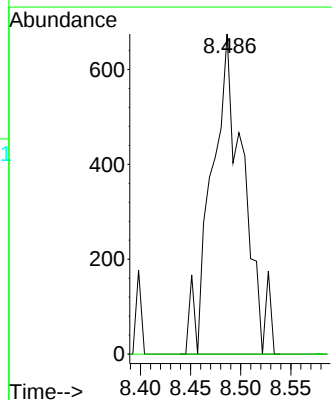
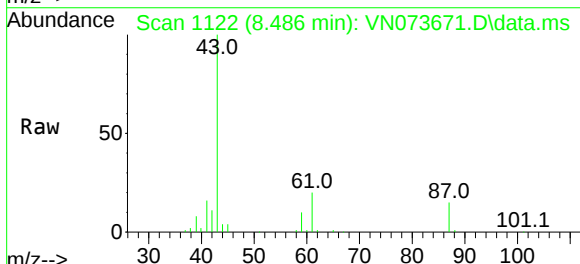
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

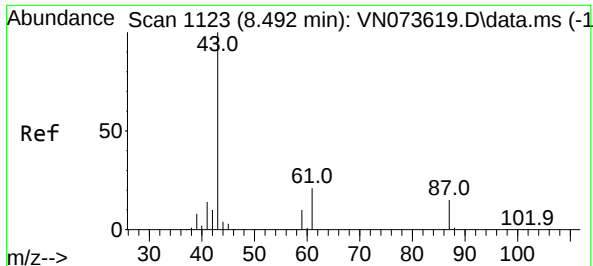
Tgt Ion: 41	Resp: 5908
Ion Ratio	Lower Upper
41 100	
39 53.5	48.6 73.0
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.275 ug/l
RT: 8.486 min Scan# 1122
Delta R.T. 0.024 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 62	Resp: 1498
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 19.4





#43

Isopropyl Acetate

Concen: 22.525 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073671.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-A

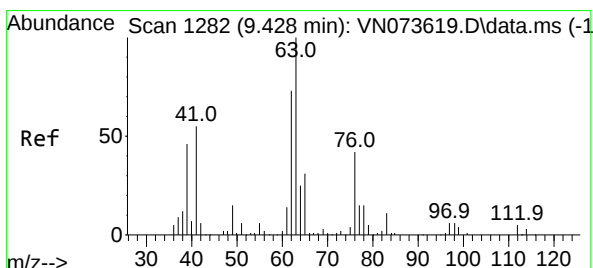
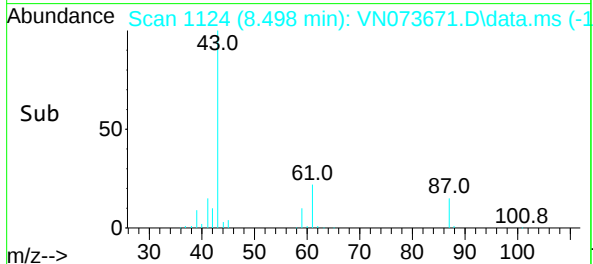
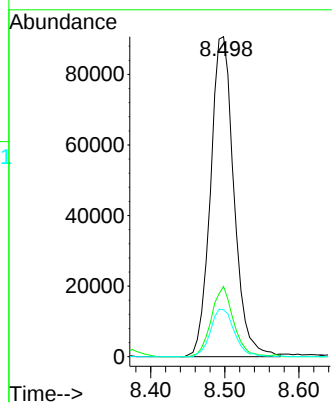
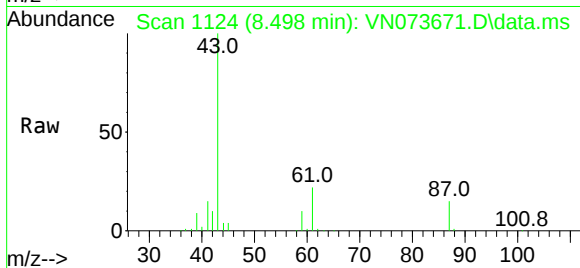
Tgt Ion: 43 Resp: 199074

Ion Ratio Lower Upper

43 100

61 20.7 21.9 32.9#

87 15.1 12.0 18.0



#45

1,2-Dichloropropane

Concen: 0.832 ug/l

RT: 9.563 min Scan# 1305

Delta R.T. 0.135 min

Lab File: VN073671.D

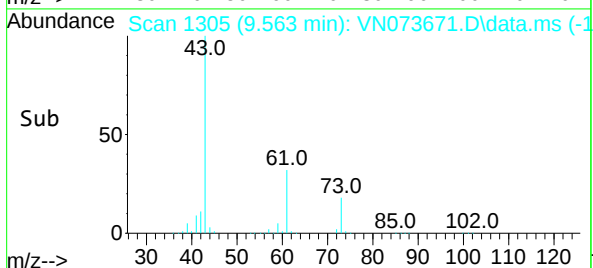
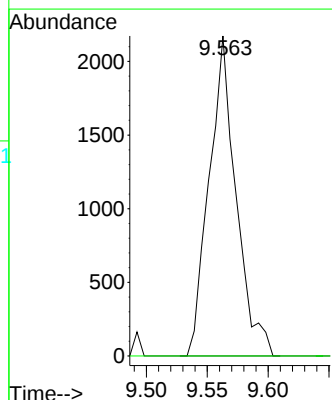
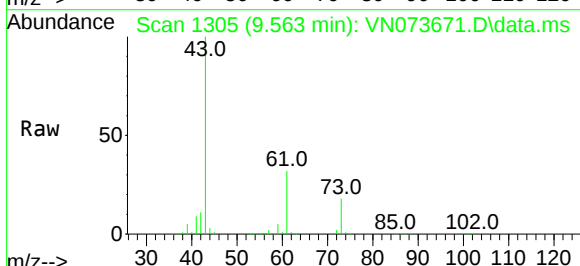
Acq: 01 Aug 2022 19:48

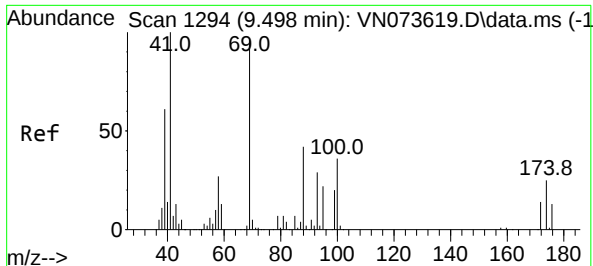
Tgt Ion: 63 Resp: 3356

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

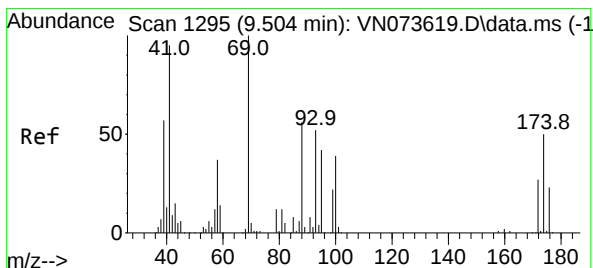
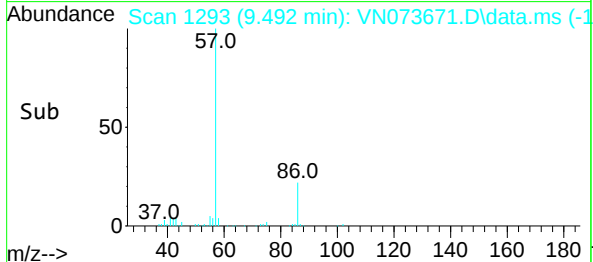
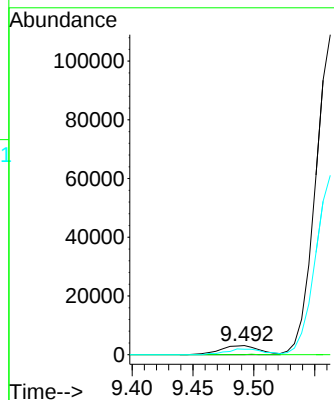
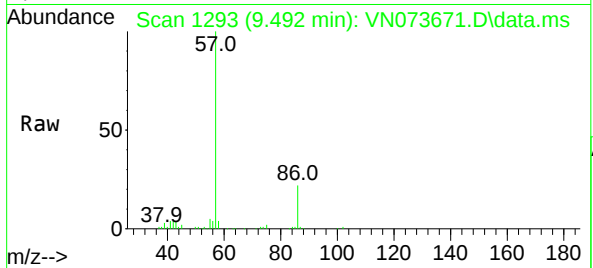




#48
Methyl methacrylate
Concen: 1.781 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

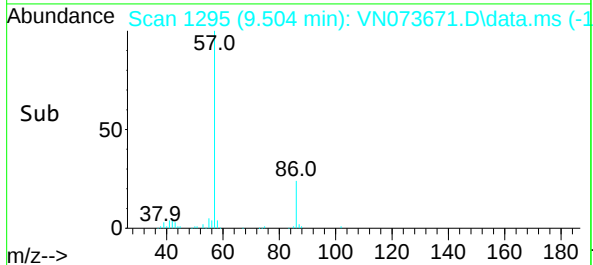
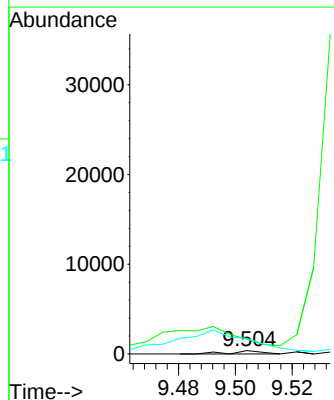
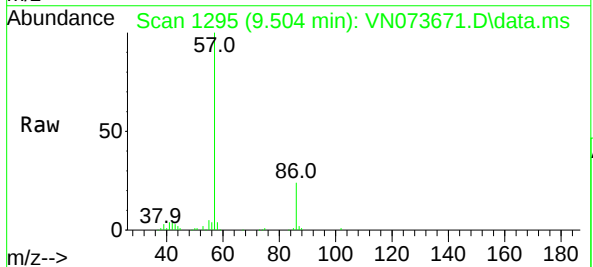
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

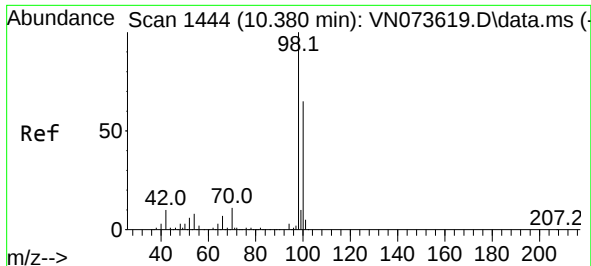
Tgt Ion: 41 Resp: 6890
Ion Ratio Lower Upper
41 100
69 0.9 74.7 112.1#
39 59.8 45.6 68.4



#49
1,4-Dioxane
Concen: 2.503 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 88 Resp: 273
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 2005.1 54.2 81.4#

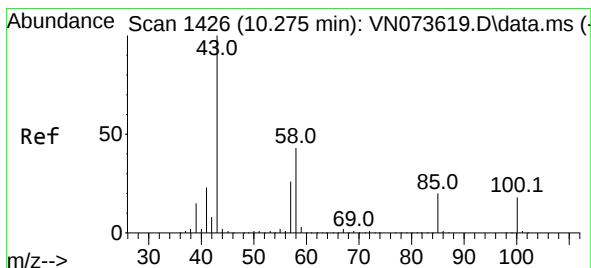
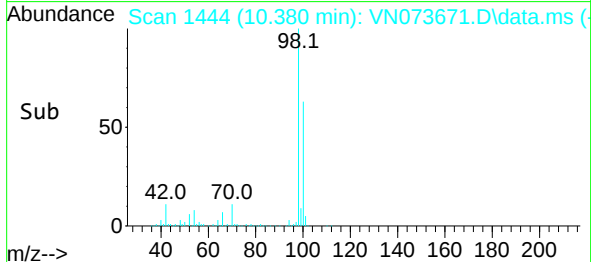
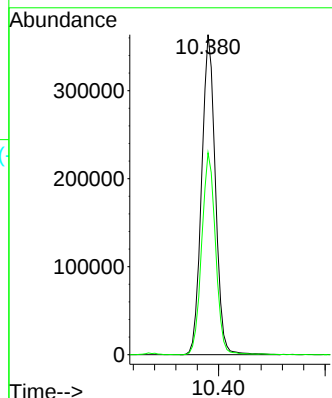
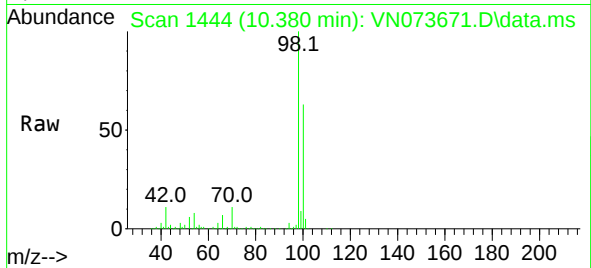




#50
Toluene-d8
Concen: 47.433 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

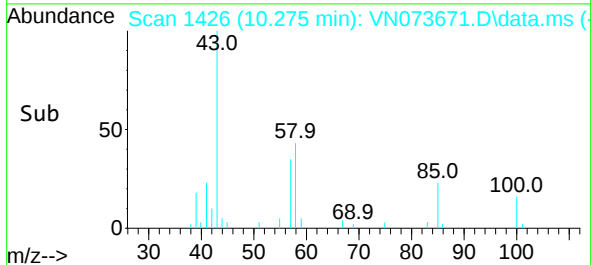
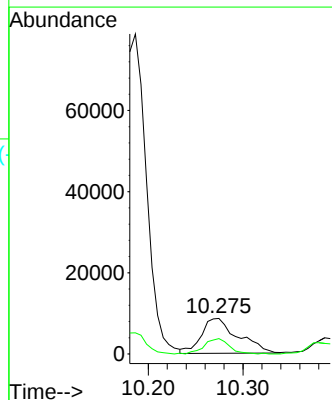
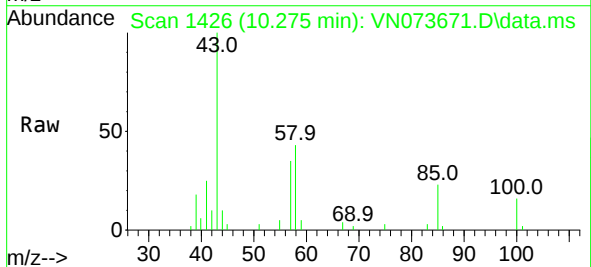
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

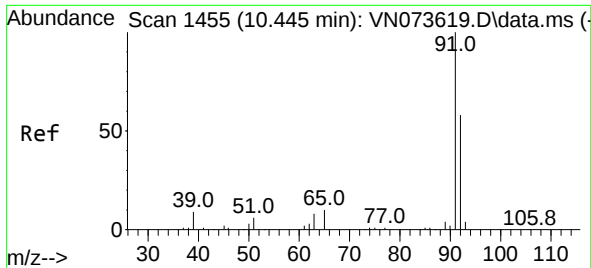
Tgt Ion: 98 Resp: 650696
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.650 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 43 Resp: 23140
Ion Ratio Lower Upper
43 100
58 30.1 34.1 51.1#

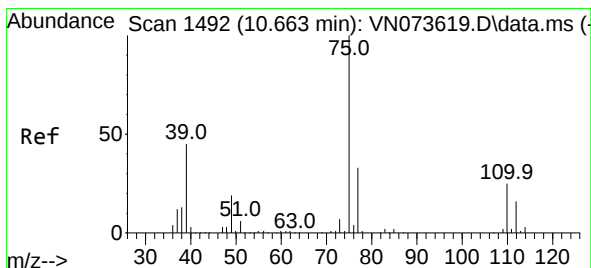
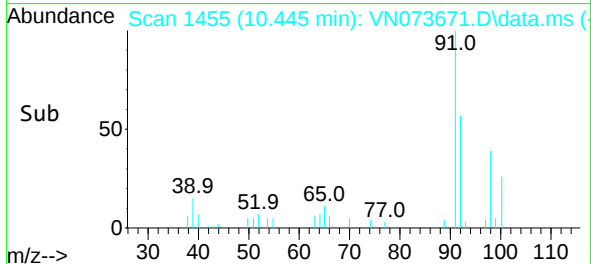
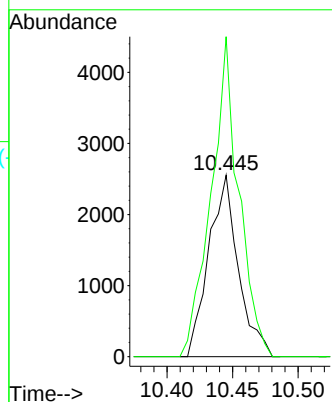
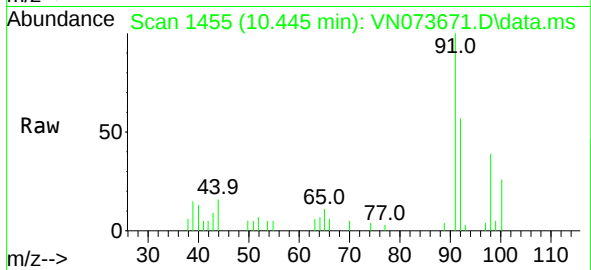




#52
Toluene
Concen: 0.406 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

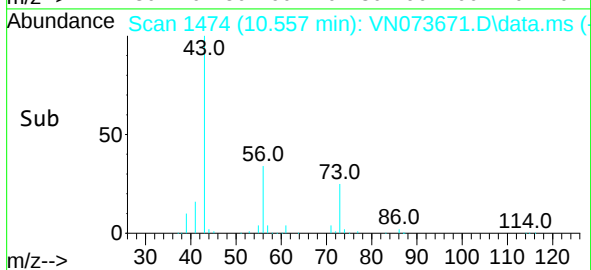
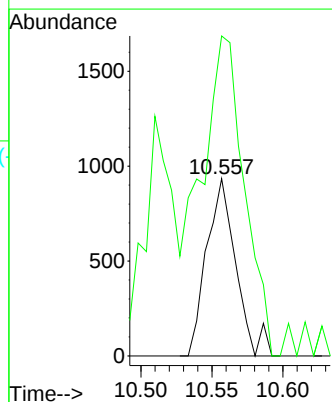
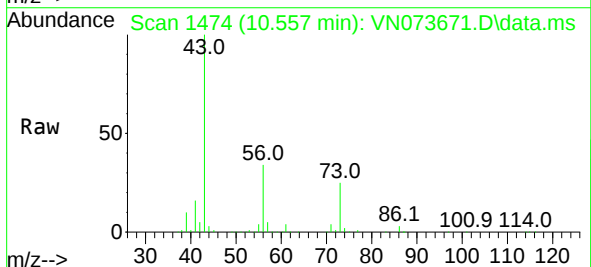
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

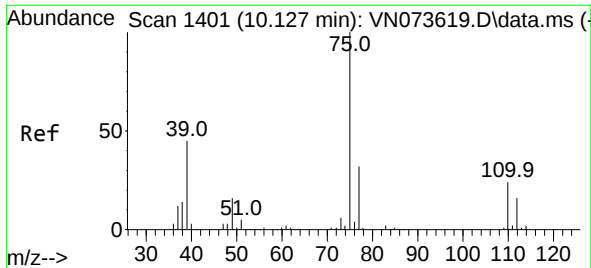
Tgt Ion: 92 Resp: 3999
Ion Ratio Lower Upper
92 100
91 165.9 138.6 207.8



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 10.557 min Scan# 1474
Delta R.T. -0.106 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 75 Resp: 1337
Ion Ratio Lower Upper
75 100
77 180.5 25.6 38.4#

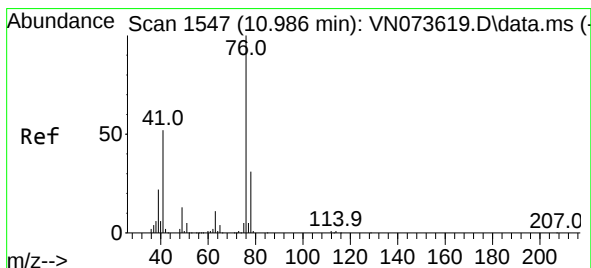
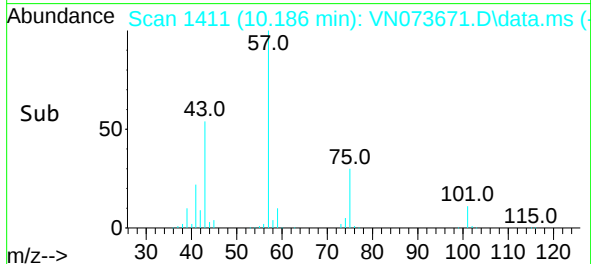
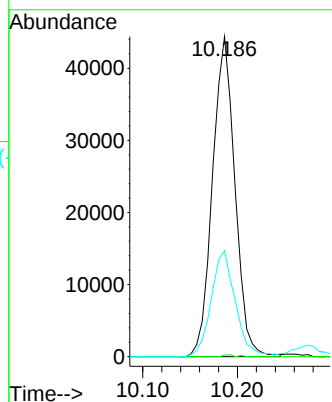
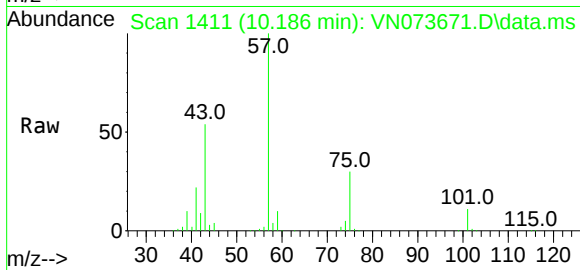




#54
 cis-1,3-Dichloropropene
 Concen: 12.215 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073671.D
 Acq: 01 Aug 2022 19:48

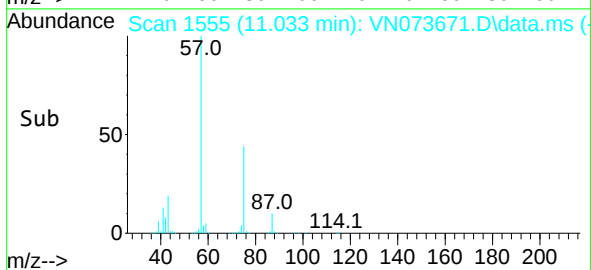
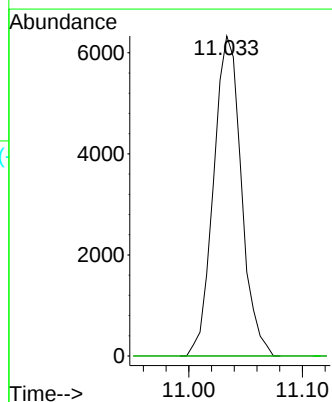
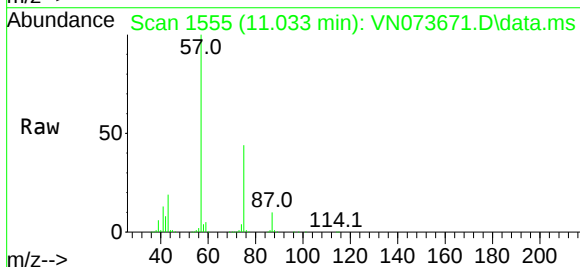
Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-A

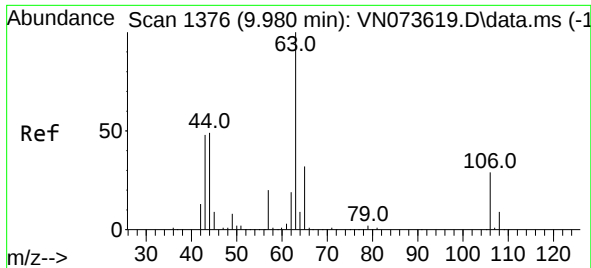
Tgt Ion: 75 Resp: 73052
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 33.2 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.542 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073671.D
 Acq: 01 Aug 2022 19:48

Tgt Ion: 76 Resp: 10751
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

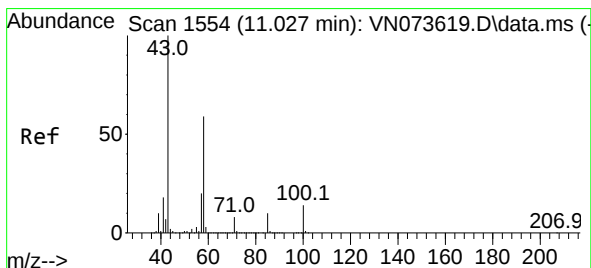
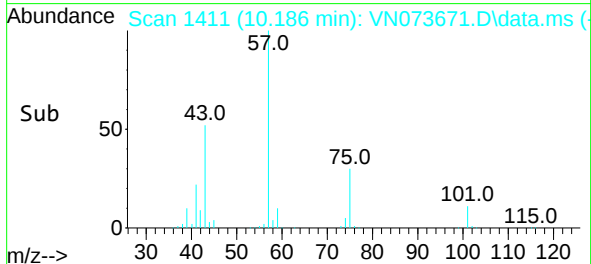
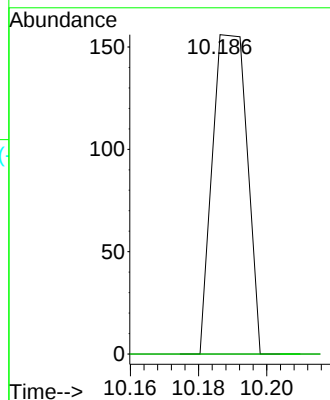
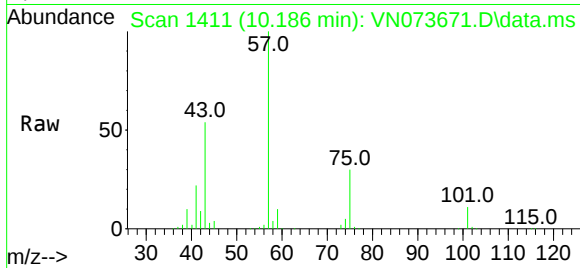




#58
2-Chloroethyl Vinyl ether
Concen: 9.977 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.206 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

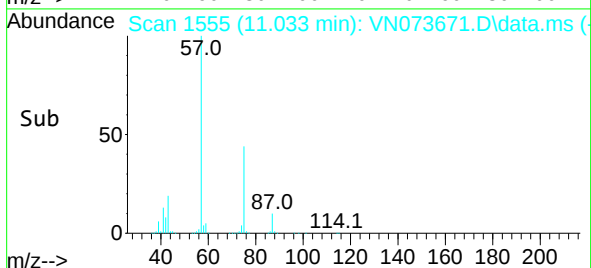
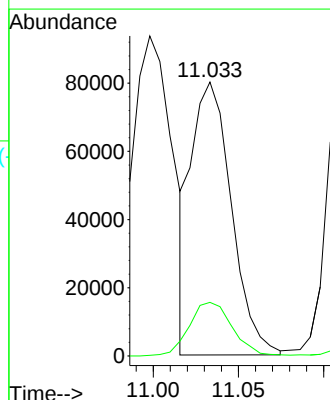
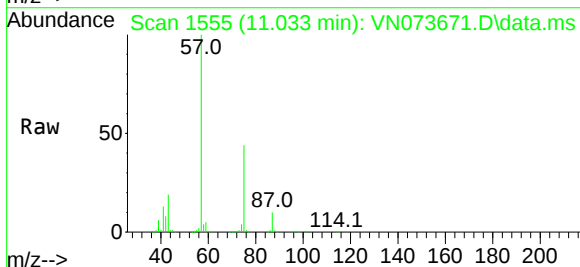
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

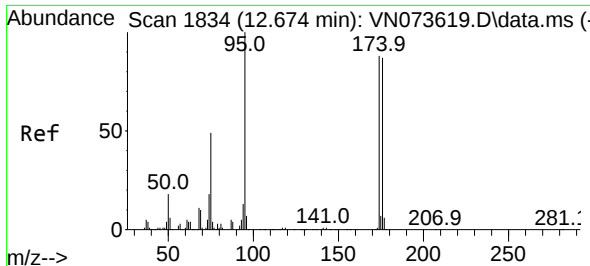
Tgt Ion: 63 Resp: 110
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 27.309 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 43 Resp: 131157
Ion Ratio Lower Upper
43 100
58 21.3 29.7 89.1#

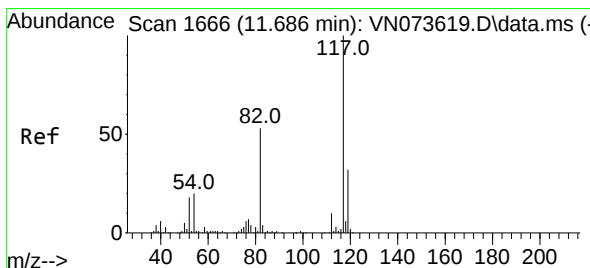
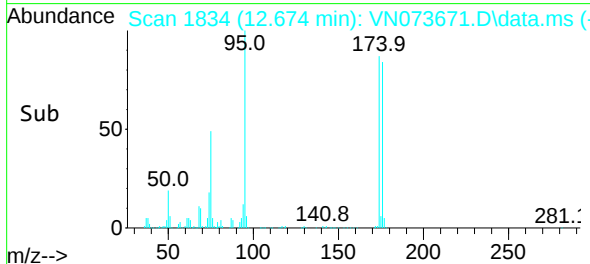
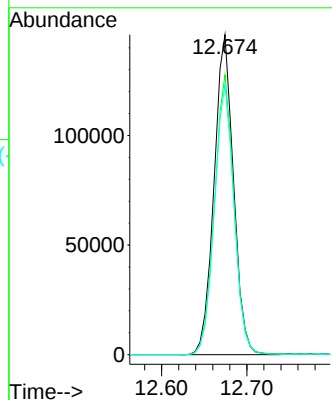
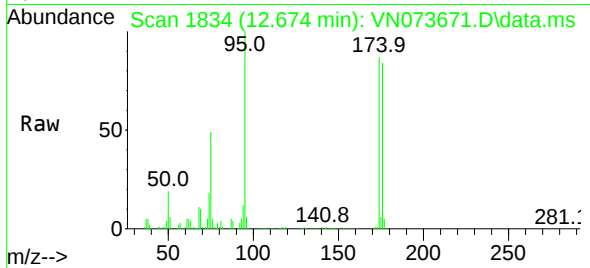




#62
4-Bromofluorobenzene
Concen: 50.450 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

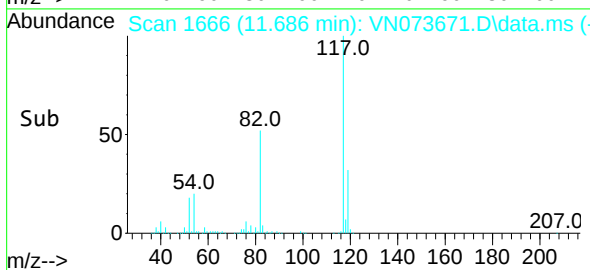
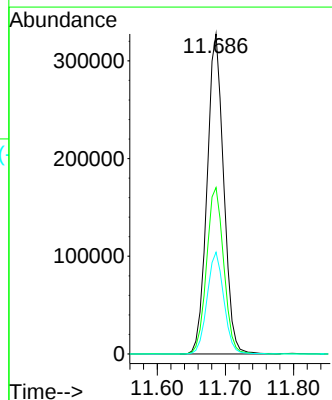
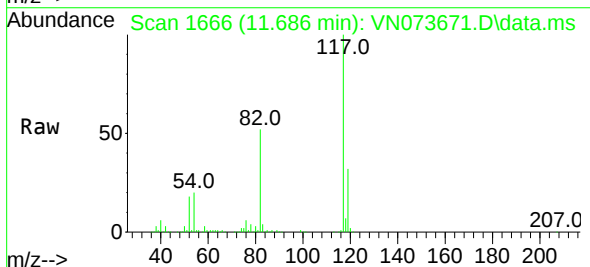
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

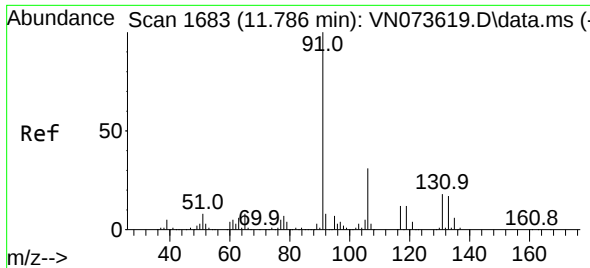
Tgt Ion: 95 Resp: 231624
Ion Ratio Lower Upper
95 100
174 88.0 0.0 167.6
176 85.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 117 Resp: 554609
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.2
119 31.8 25.4 38.0

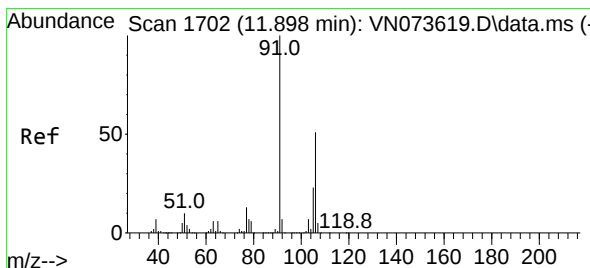
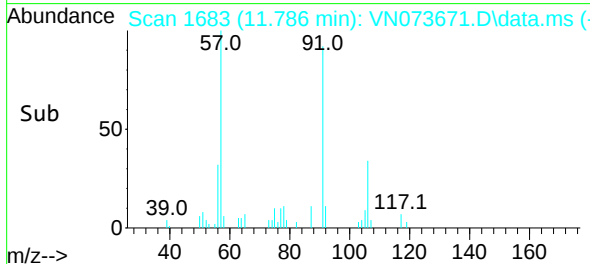
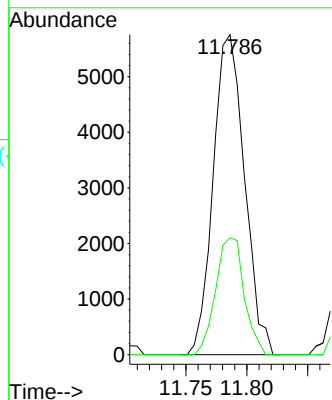
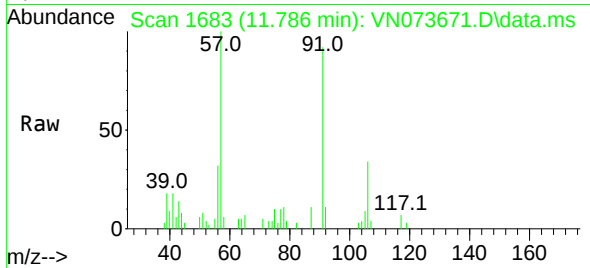




#67
Ethyl Benzene
Concen: 0.518 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

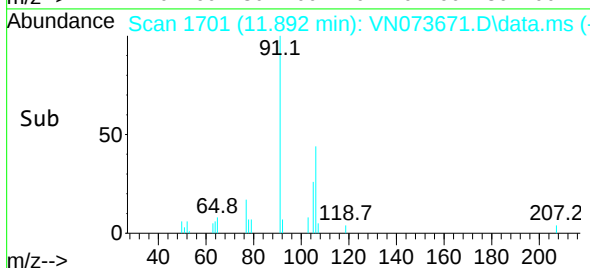
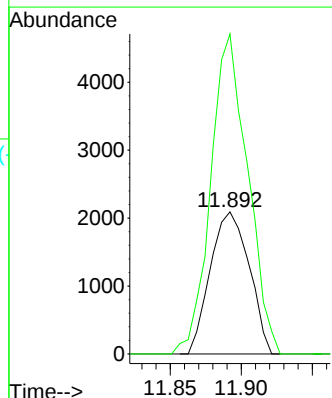
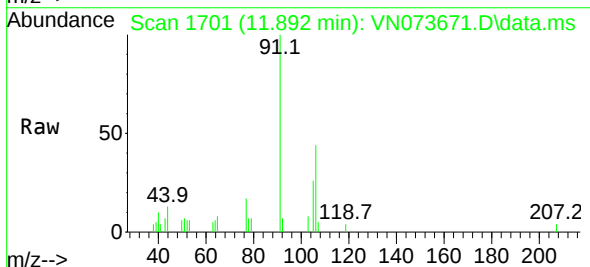
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

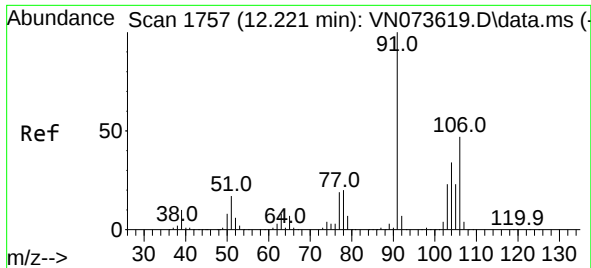
Tgt Ion: 91 Resp: 10300
Ion Ratio Lower Upper
91 100
106 36.6 24.9 37.3



#68
m/p-Xylenes
Concen: 0.525 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 106 Resp: 3983
Ion Ratio Lower Upper
106 100
91 214.4 158.9 238.3

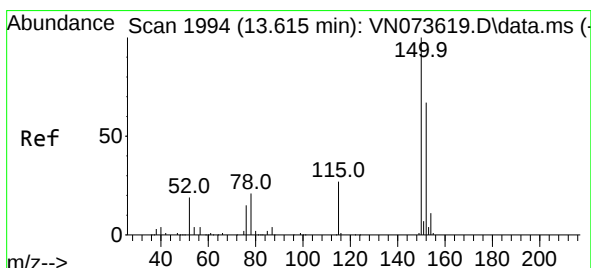
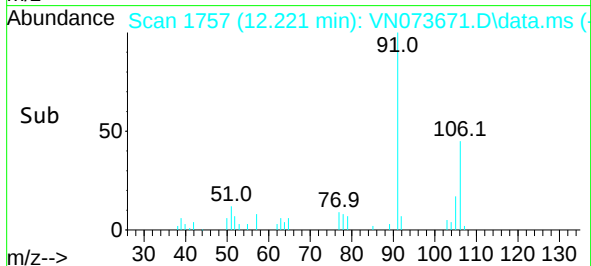
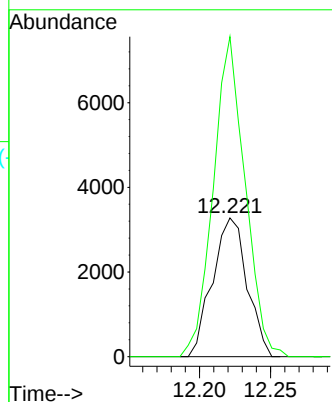
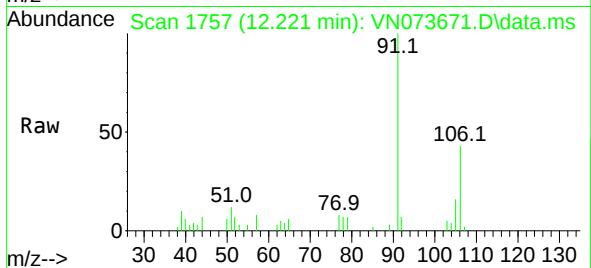




#69
o-Xylene
Concen: 0.753 ug/l
RT: 12.221 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

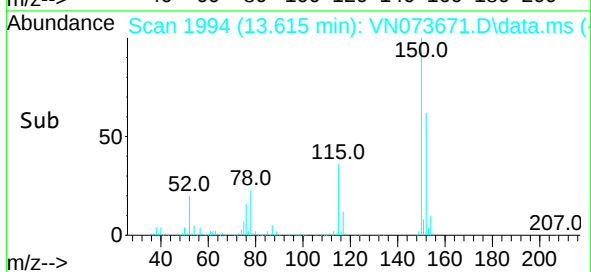
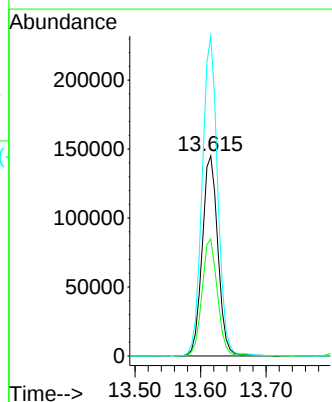
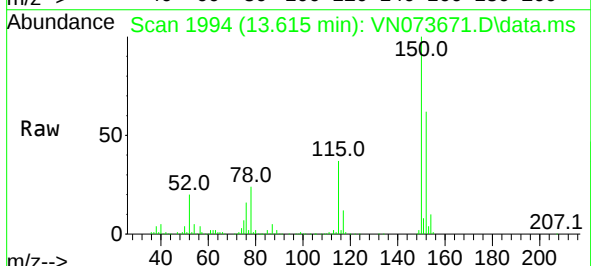
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

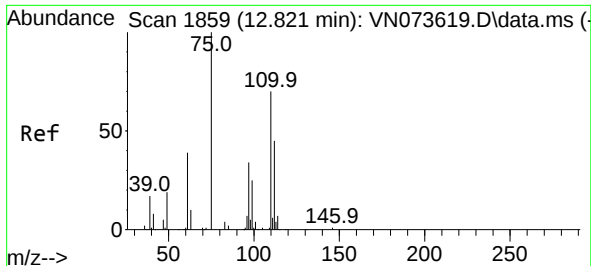
Tgt Ion:106 Resp: 5562
Ion Ratio Lower Upper
106 100
91 211.5 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion:152 Resp: 242462
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 157.7 0.0 356.2

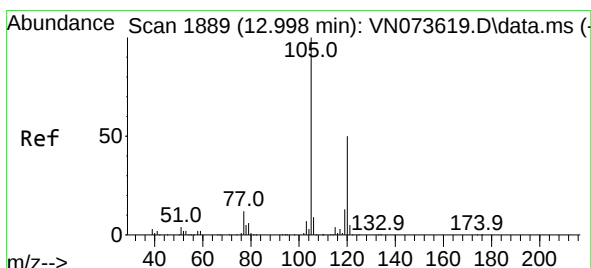
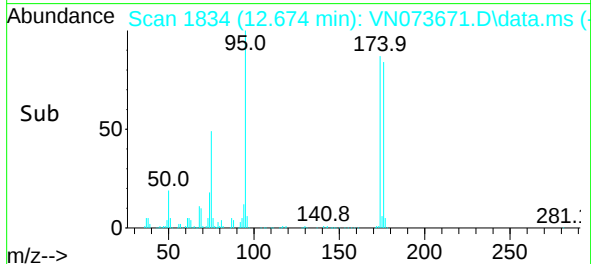
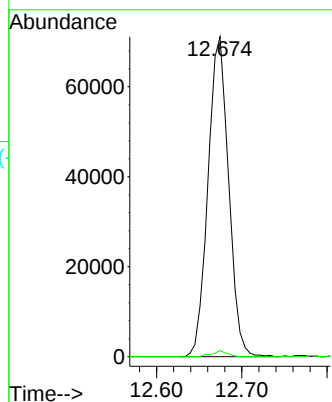
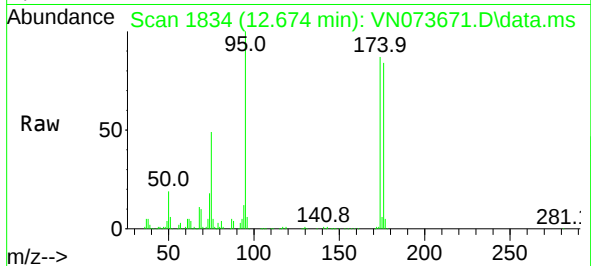




#76
1,2,3-Trichloropropane
Concen: 25.288 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

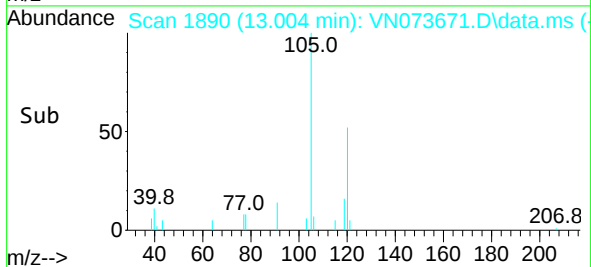
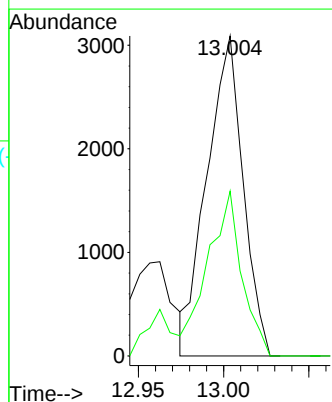
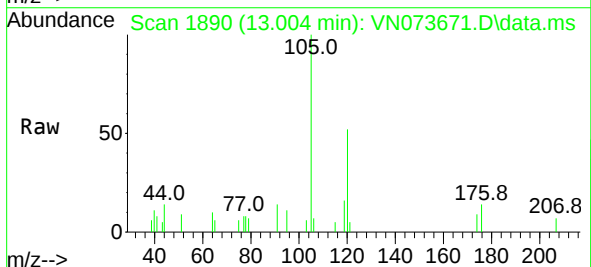
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

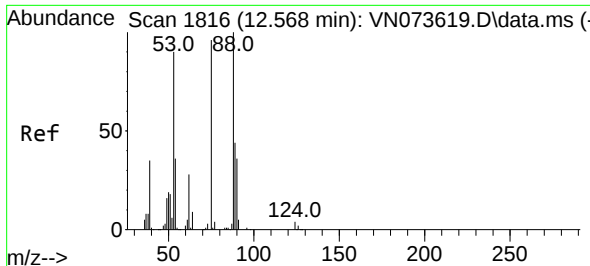
Tgt Ion: 75 Resp: 119401
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.311 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 105 Resp: 4549
Ion Ratio Lower Upper
105 100
120 48.8 24.9 74.7

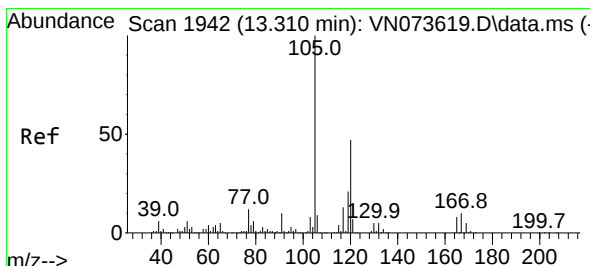
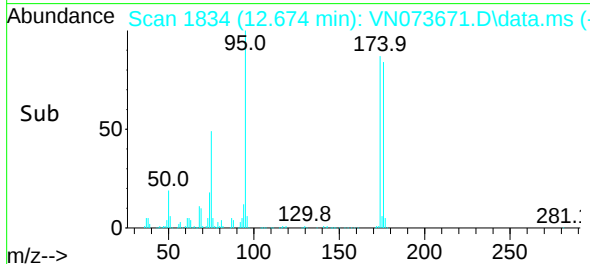
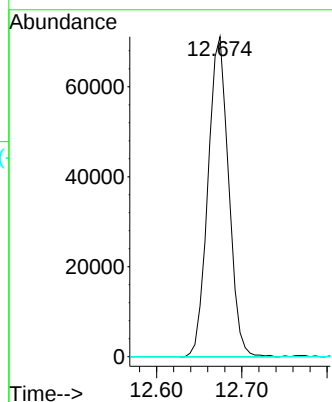
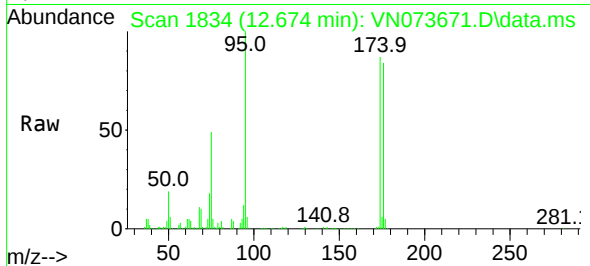




#81
trans-1,4-Dichloro-2-butene
Concen: 63.818 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

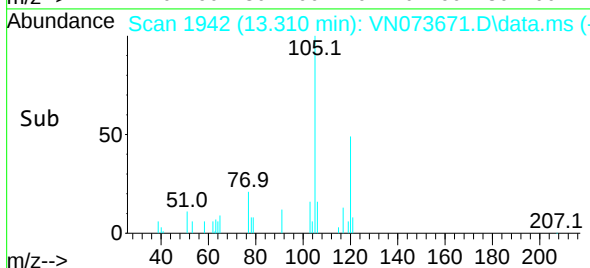
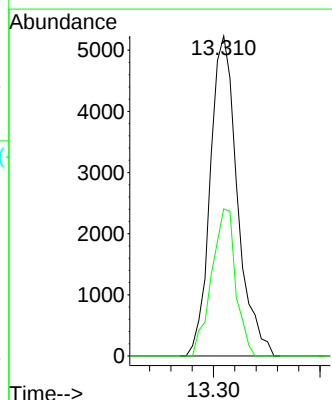
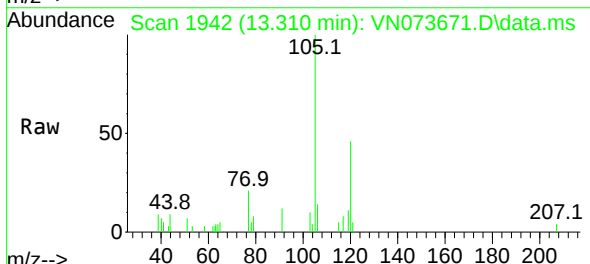
Instrument :
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ClientSampleId :
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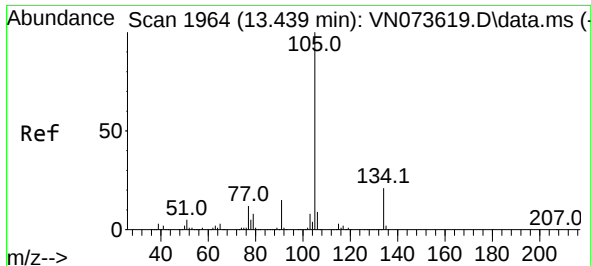
Tgt Ion: 75 Resp: 119401
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.644 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 105 Resp: 9254
Ion Ratio Lower Upper
105 100
120 40.7 23.3 69.8

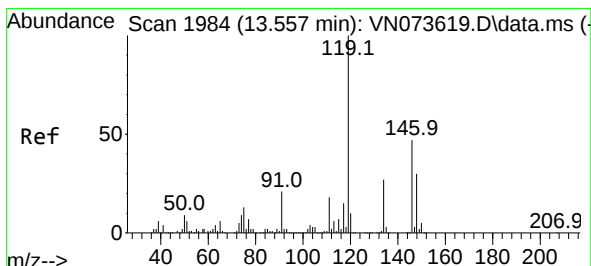
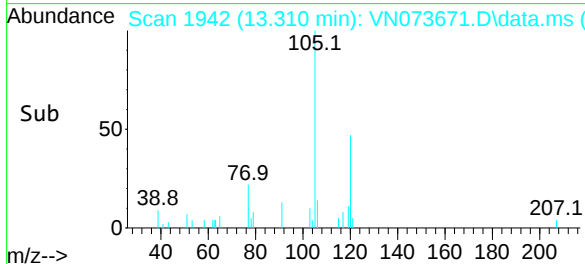
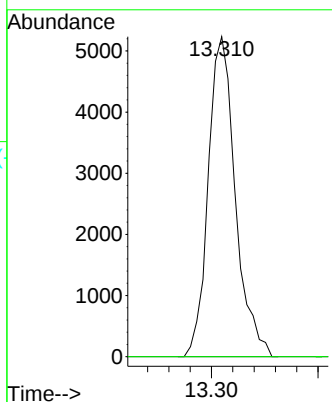
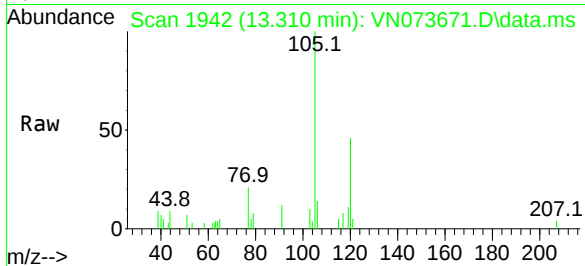




#85
 sec-Butylbenzene
 Concen: 0.518 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. -0.129 min
 Lab File: VN073671.D
 Acq: 01 Aug 2022 19:48

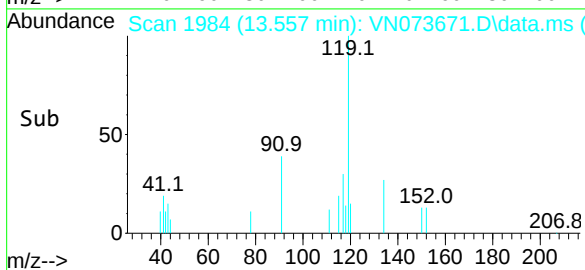
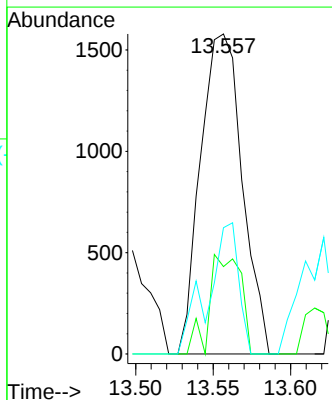
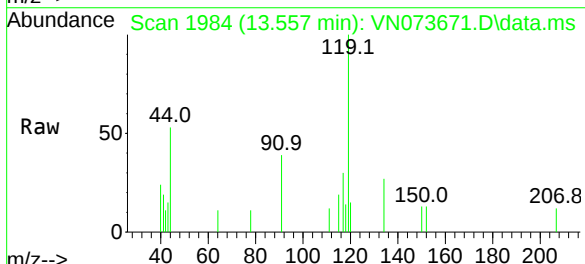
Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-A

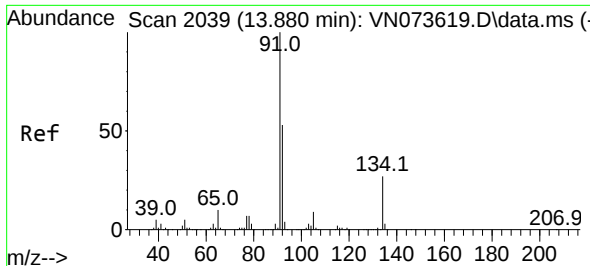
Tgt Ion:105 Resp: 9254
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 0.210 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN073671.D
 Acq: 01 Aug 2022 19:48

Tgt Ion:119 Resp: 2957
 Ion Ratio Lower Upper
 119 100
 134 23.5 13.3 39.8
 91 30.4 11.3 33.9

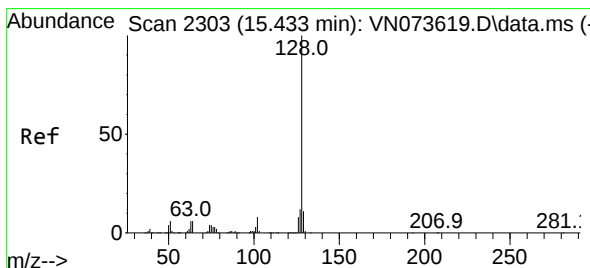
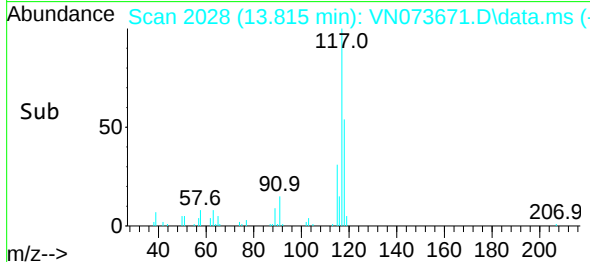
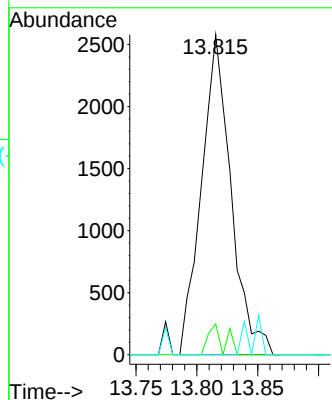
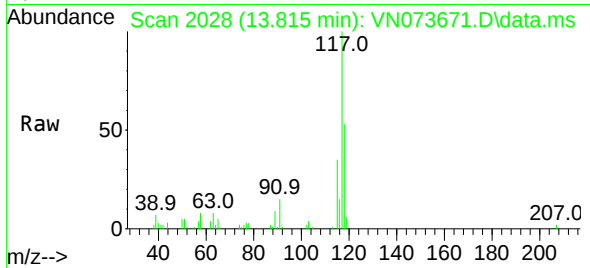




#89
n-Butylbenzene
Concen: 0.380 ug/l
RT: 13.815 min Scan# 2039
Delta R.T. -0.065 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-A

Tgt Ion: 91 Resp: 4355
Ion Ratio Lower Upper
91 100
92 5.1 26.9 80.7#
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 43.912 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073671.D
Acq: 01 Aug 2022 19:48

Tgt Ion:128 Resp: 604985
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.6 13.0

