

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073672.D
 Acq On : 01 Aug 2022 20:13
 Operator : JC\MD
 Sample : N3964-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-B

Quant Time: Aug 02 05:06:11 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	342303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	566000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	568342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	307161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	201816	48.380	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.760%		
35) Dibromofluoromethane	7.951	113	187920	52.874	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.740%		
50) Toluene-d8	10.380	98	664852	47.537	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.080%		
62) 4-Bromofluorobenzene	12.674	95	262522	55.095	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	926	Below Cal	#	43
6) Chloroethane	2.981	64	680	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	3866	4.297	ug/l #	72
13) Acrolein	3.987	56	237	0.266	ug/l	87
14) Allyl chloride	4.722	41	2227	0.429	ug/l #	29
16) Acetone	4.222	43	131342	58.620	ug/l	98
17) Carbon Disulfide	4.451	76	2071	0.240	ug/l #	75
18) Methyl Acetate	4.787	43	4844	0.869	ug/l #	89
20) Methylene Chloride	5.016	84	20075	3.488	ug/l #	91
25) 2-Butanone	7.263	43	39272	11.287	ug/l	100
29) Tetrahydrofuran	7.616	42	10773	4.897	ug/l	97
31) Cyclohexane	8.028	56	11939	1.922	ug/l #	58
36) 1,1-Dichloropropene	8.016	75	26061	5.145	ug/l #	49
37) Ethyl Acetate	7.345	43	48655	7.293	ug/l	99
38) Carbon Tetrachloride	8.016	117	32758	6.367	ug/l #	17
39) Methylcyclohexane	9.398	83	11399	1.883	ug/l	89
40) Benzene	8.392	78	314845	19.141	ug/l	99
41) Methacrylonitrile	7.628	41	6553	2.171	ug/l #	41
42) 1,2-Dichloroethane	8.386	62	2739	0.494	ug/l	87
43) Isopropyl Acetate	8.492	43	210921	23.408	ug/l #	91
48) Methyl methacrylate	9.486	41	7452	1.889	ug/l #	39
49) 1,4-Dioxane	9.510	88	500	4.497	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	25006	3.869	ug/l #	81
52) Toluene	10.439	92	10791	1.074	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	76047	12.473	ug/l #	69
55) 1,1,2-Trichloroethane	10.816	97	1237	0.295	ug/l #	31
57) 1,3-Dichloropropane	11.033	76	10796	1.519	ug/l #	43
59) 2-Hexanone	11.033	43	132996	27.162	ug/l #	51
67) Ethyl Benzene	11.786	91	403081	19.792	ug/l	100
68) m/p-Xylenes	11.892	106	476413	61.333	ug/l	99
69) o-Xylene	12.222	106	181581	23.978	ug/l	100
70) Styrene	12.222	104	15393	1.270	ug/l #	1
73) Isopropylbenzene	12.521	105	45878	2.040	ug/l	98
74) N-amyl acetate	12.298	43	3765	0.443	ug/l #	41
76) 1,2,3-Trichloropropane	12.674	75	132265	21.680	ug/l #	1
78) n-propylbenzene	12.863	91	67495	2.668	ug/l	99

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

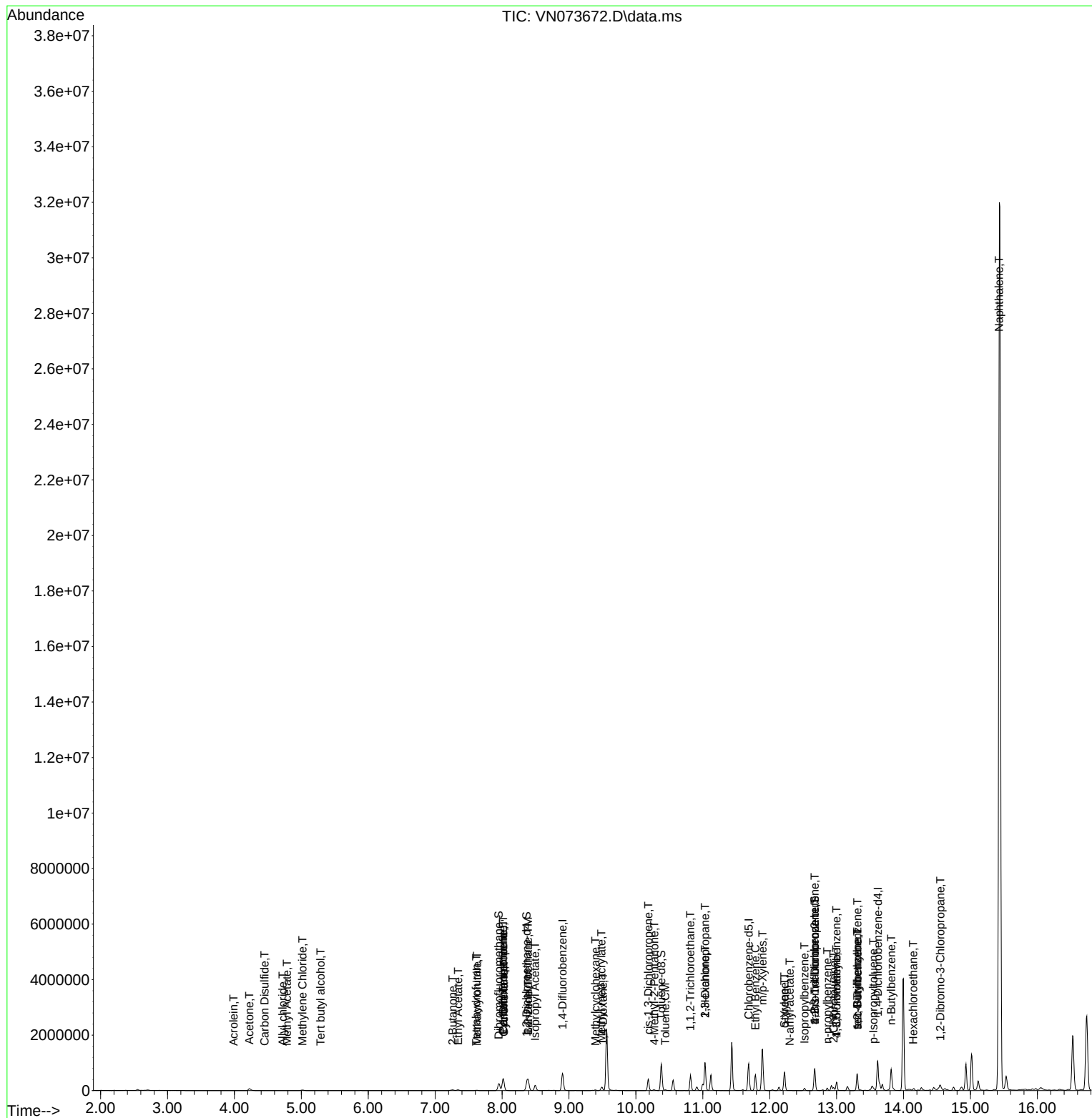
79) 2-Chlorotoluene	12.957	91	6122	0.388	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.998	105	165475	8.943	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.674	75	132265	55.803	ug/l #	11
82) 4-Chlorotoluene	12.998	91	16878	1.128	ug/l #	40
83) tert-Butylbenzene	13.310	119	43357	2.645	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.310	105	342473	18.823	ug/l	100
85) sec-Butylbenzene	13.310	105	342473	15.119	ug/l #	56
86) p-Isopropyltoluene	13.551	119	32189	1.803	ug/l	89
89) n-Butylbenzene	13.816	91	75631	5.205	ug/l #	49
90) Hexachloroethane	14.145	117	11788	3.327	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.551	75	5139	2.948	ug/l #	1
95) Naphthalene	15.427	128	21782535	1248.036	ug/l #	83

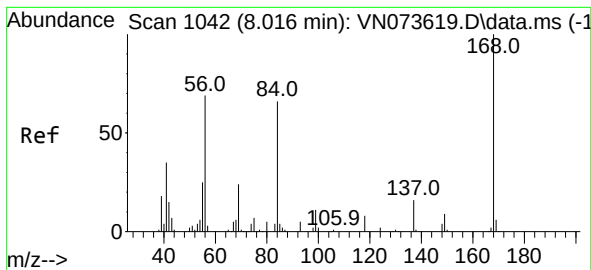
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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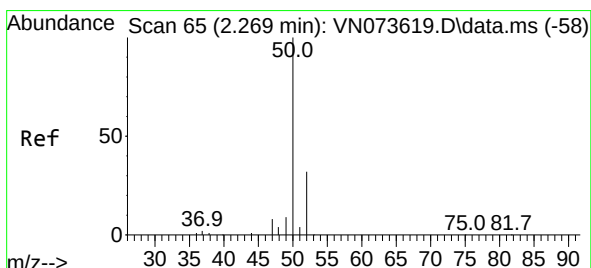
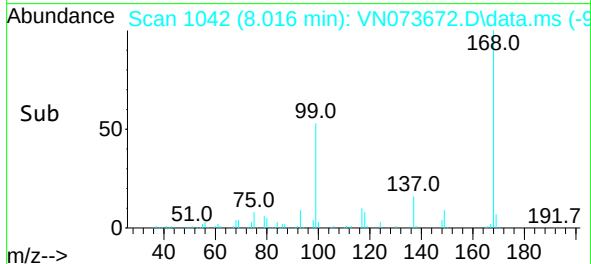
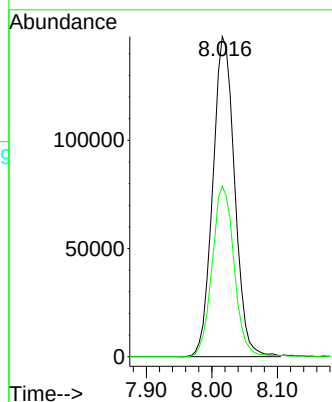
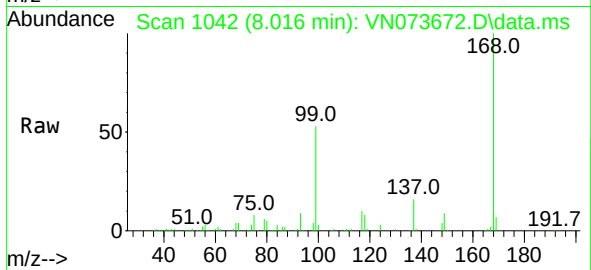




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

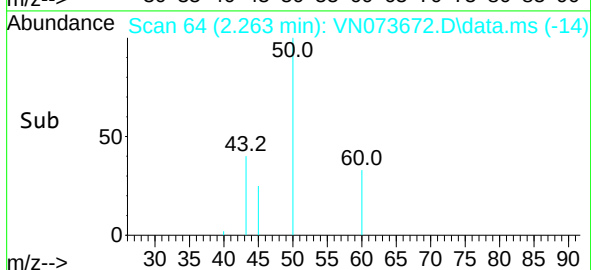
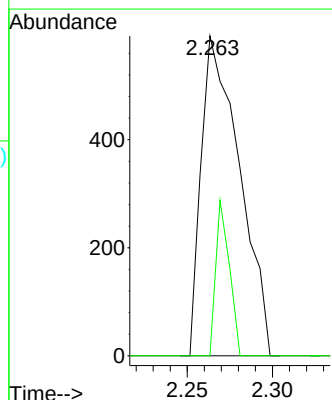
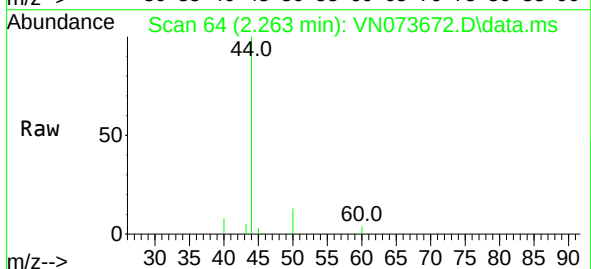
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

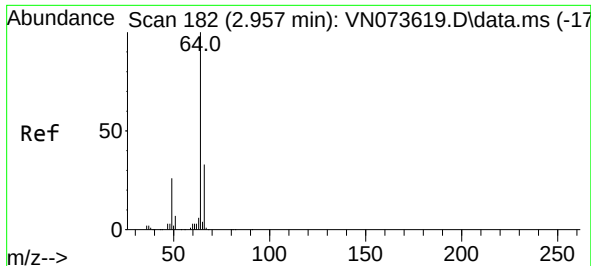
Tgt Ion:168 Resp: 342303
Ion Ratio Lower Upper
168 100
99 53.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 50 Resp: 926
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

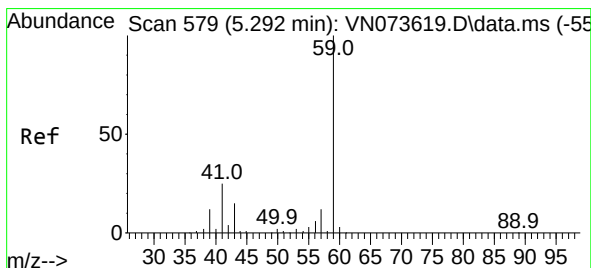
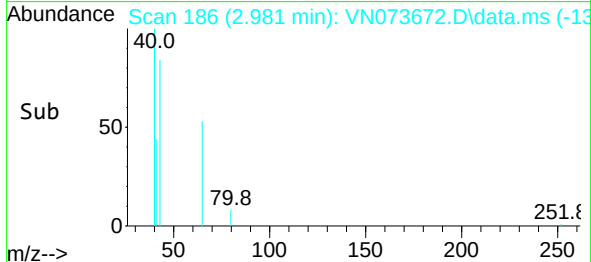
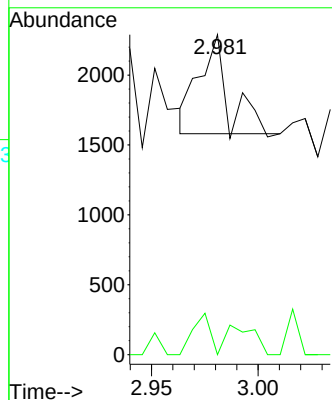
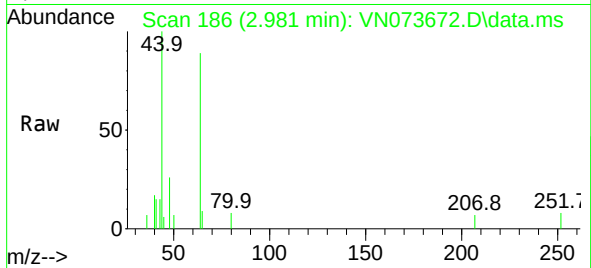




#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

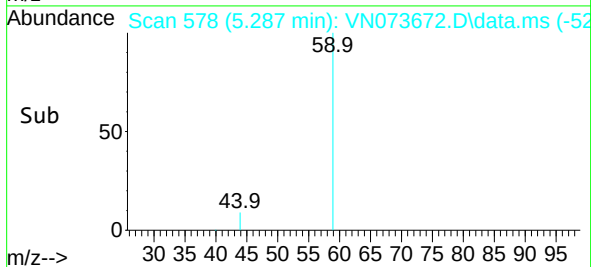
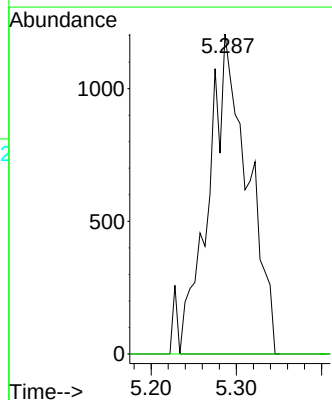
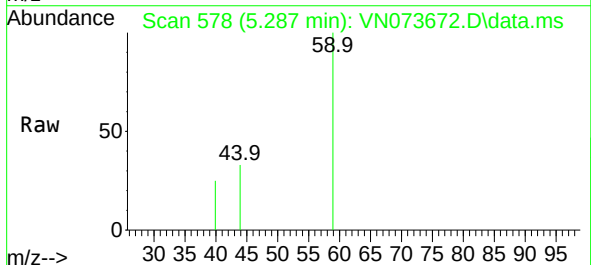
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

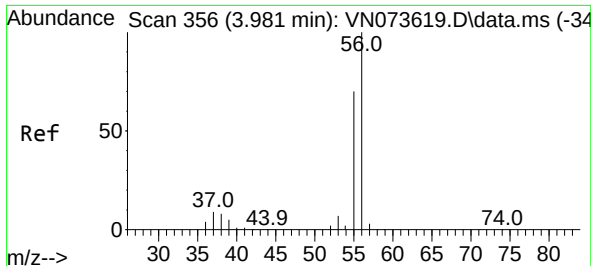
Tgt Ion: 64 Resp: 680
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.297 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 59 Resp: 3866
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.266 ug/l

RT: 3.987 min Scan# 3

Delta R.T. 0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

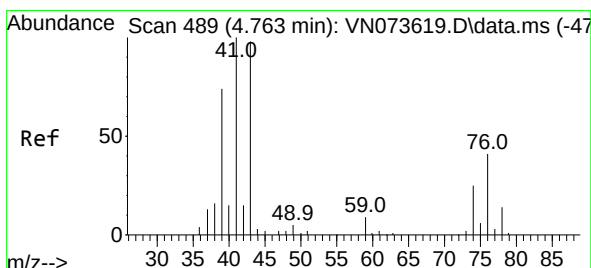
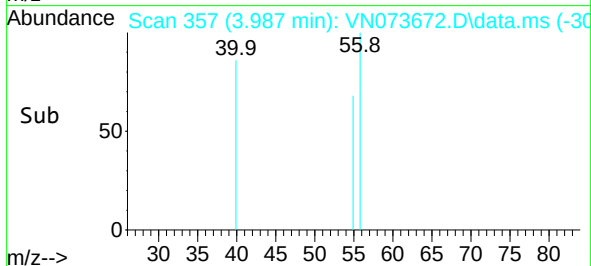
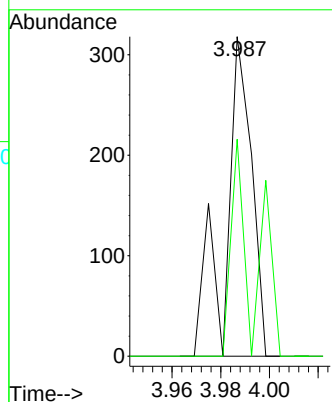
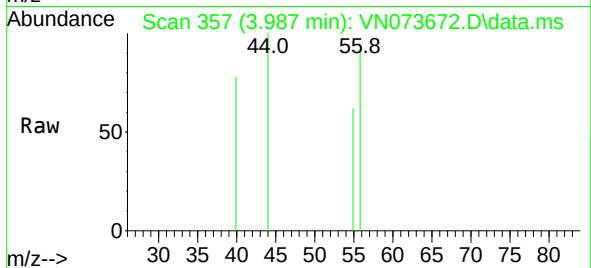
HMGP-SOIL-B

Tgt Ion: 56 Resp: 237

Ion Ratio Lower Upper

56 100

55 58.2 54.8 82.2



#14

Allyl chloride

Concen: 0.429 ug/l

RT: 4.722 min Scan# 482

Delta R.T. -0.041 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

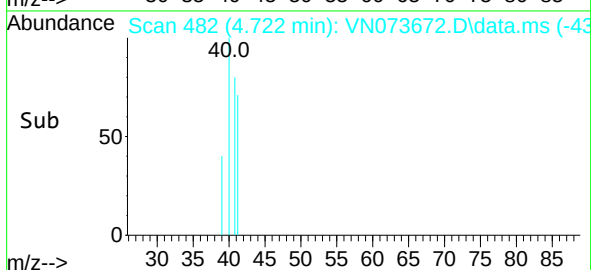
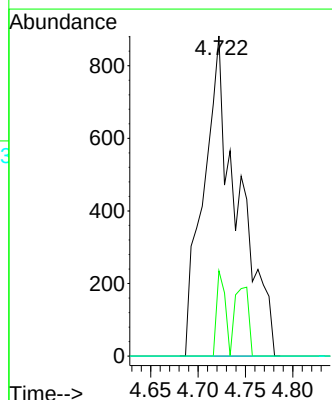
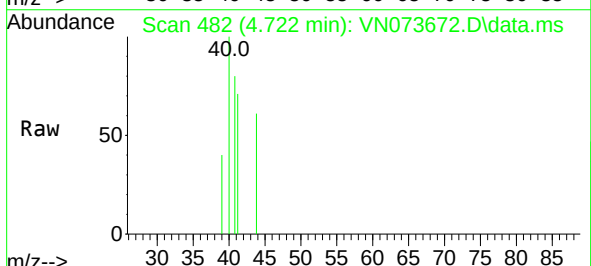
Tgt Ion: 41 Resp: 2227

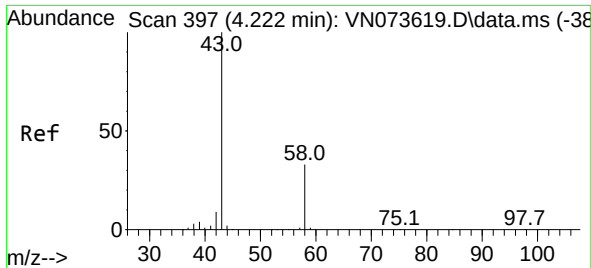
Ion Ratio Lower Upper

41 100

39 6.5 53.2 79.8#

76 0.0 29.9 44.9#

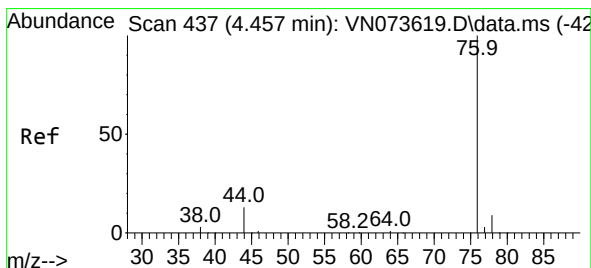
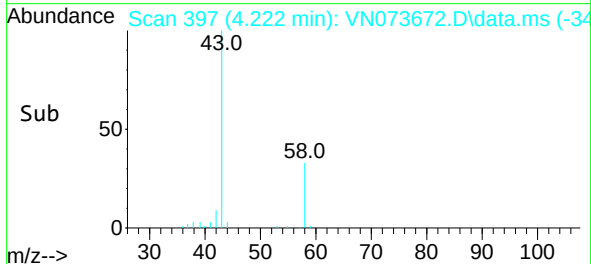
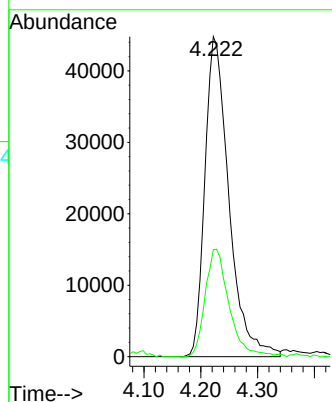
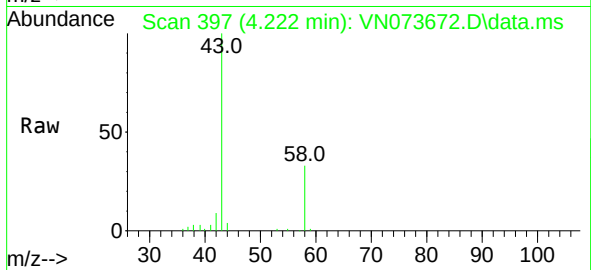




#16
Acetone
Concen: 58.620 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

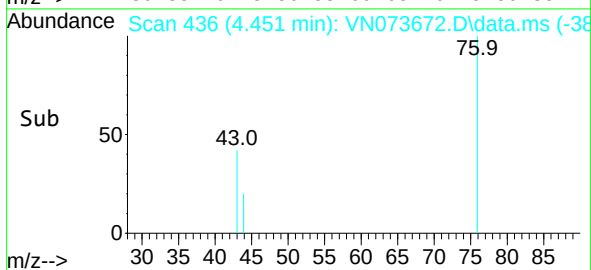
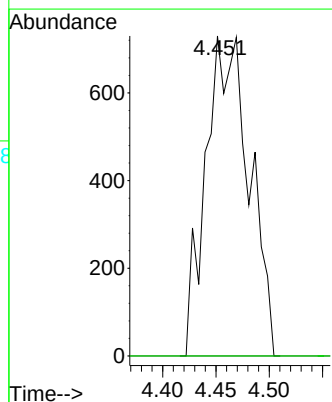
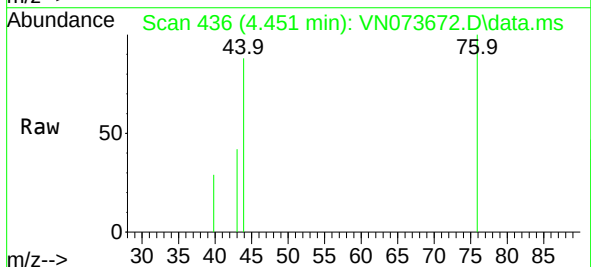
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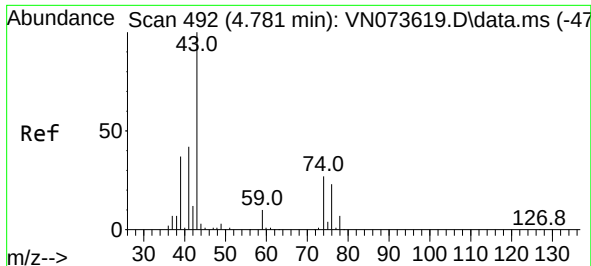
Tgt Ion: 43 Resp: 131342
Ion Ratio Lower Upper
43 100
58 33.4 26.0 39.0



#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 4.451 min Scan# 436
Delta R.T. -0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 76 Resp: 2071
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

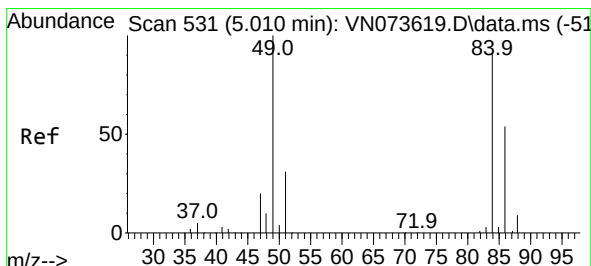
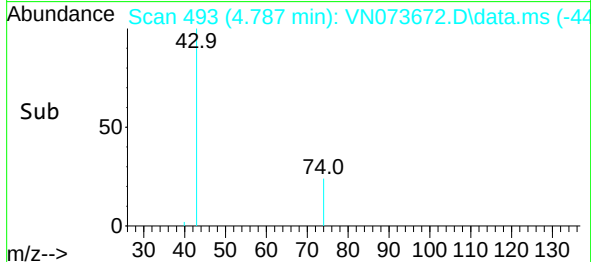
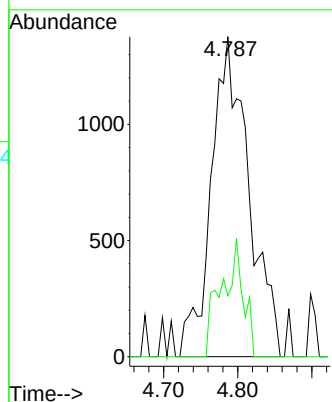
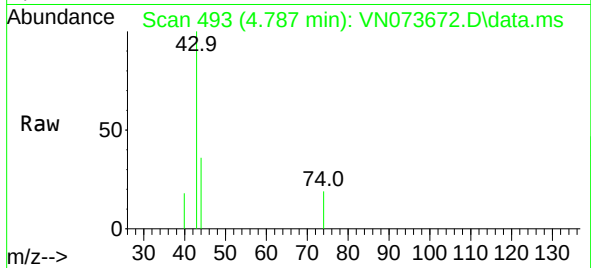




#18
Methyl Acetate
Concen: 0.869 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

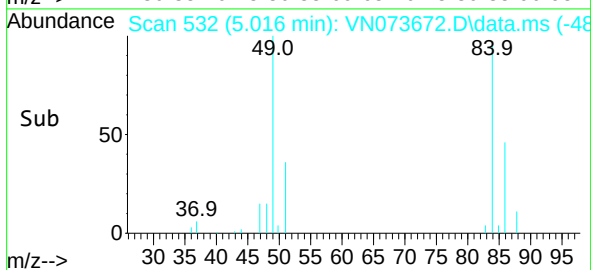
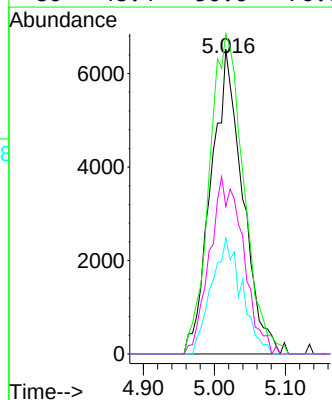
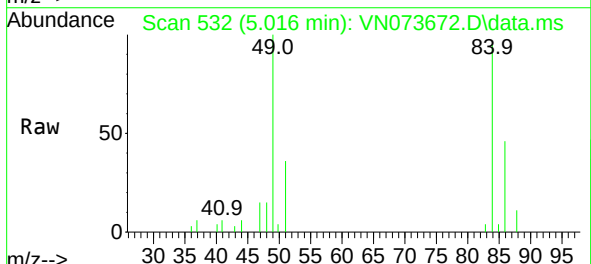
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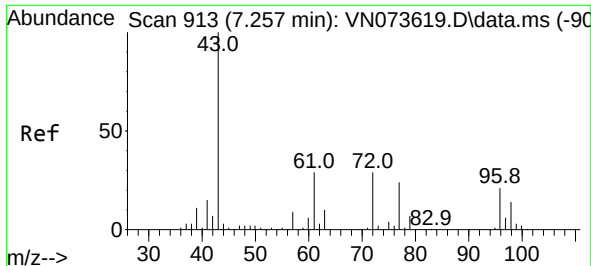
Tgt Ion: 43 Resp: 4844
Ion Ratio Lower Upper
43 100
74 21.5 21.6 32.4#



#20
Methylene Chloride
Concen: 3.488 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 84 Resp: 20075
Ion Ratio Lower Upper
84 100
49 105.0 88.3 132.5
51 38.0 28.2 42.2
86 48.4 50.6 76.0#





#25

2-Butanone

Concen: 11.287 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

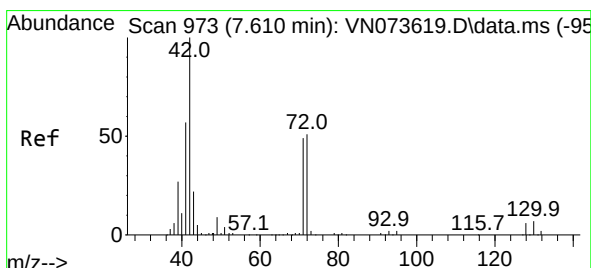
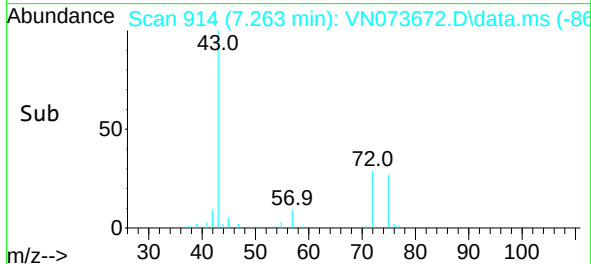
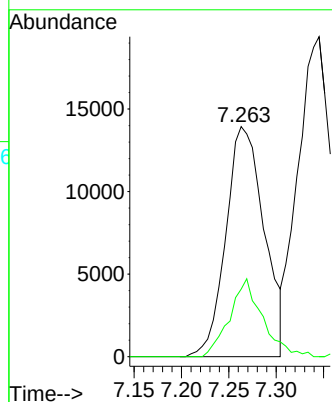
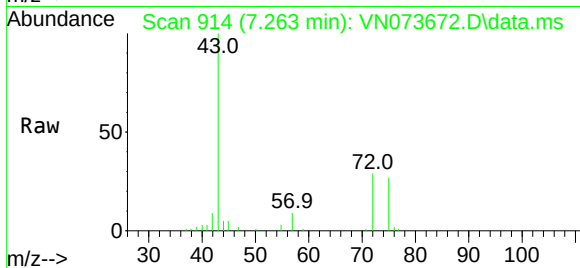
HMGP-SOIL-B

Tgt Ion: 43 Resp: 39272

Ion Ratio Lower Upper

43 100

72 29.4 23.7 35.5



#29

Tetrahydrofuran

Concen: 4.897 ug/l

RT: 7.616 min Scan# 974

Delta R.T. 0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

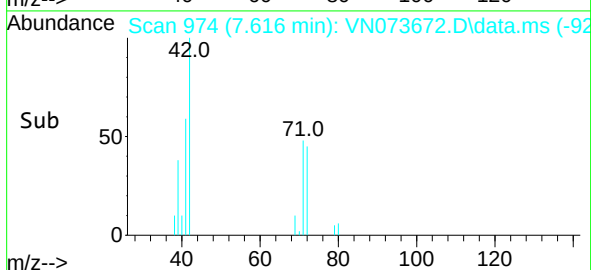
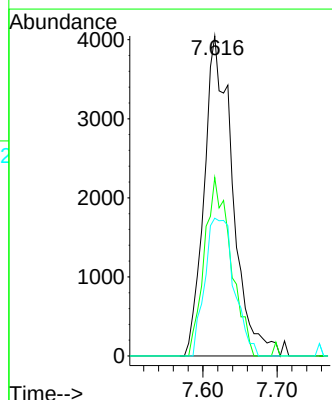
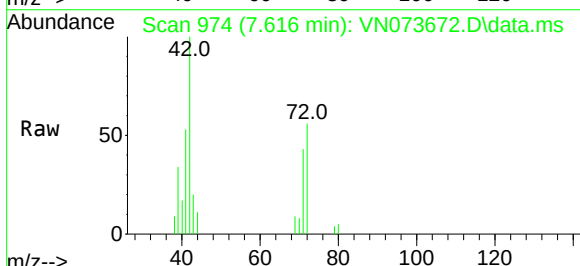
Tgt Ion: 42 Resp: 10773

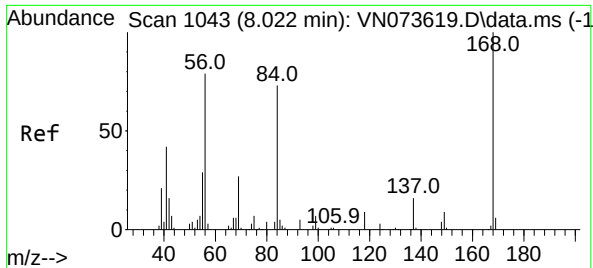
Ion Ratio Lower Upper

42 100

72 52.0 39.7 59.5

71 44.2 36.6 55.0

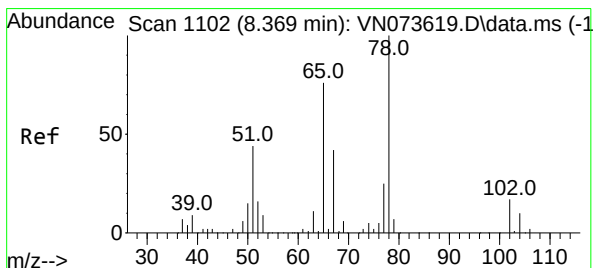
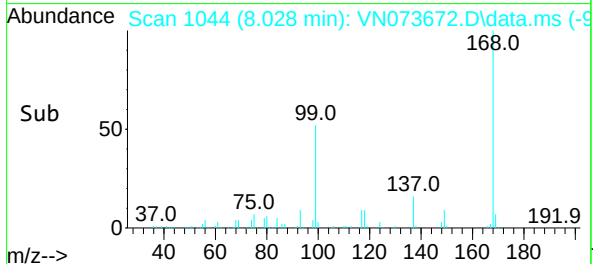
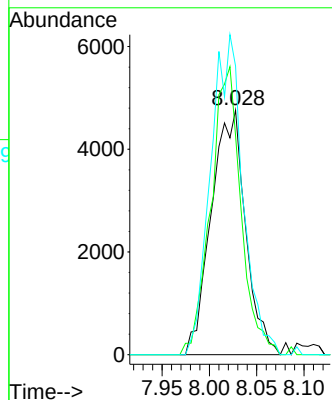
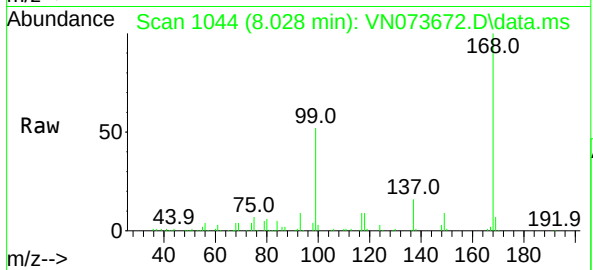




#31
Cyclohexane
Concen: 1.922 ug/l
RT: 8.028 min Scan# 11044
Delta R.T. 0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

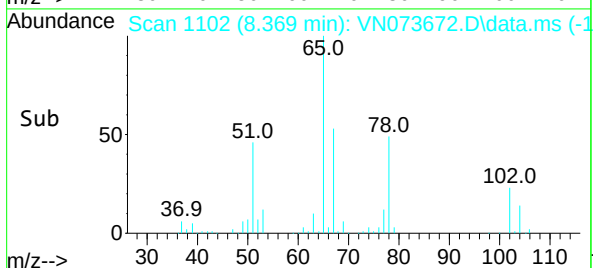
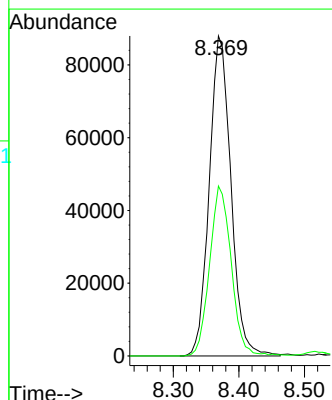
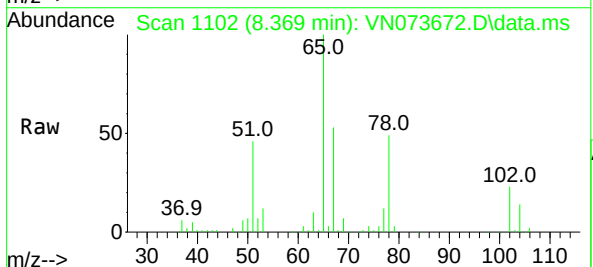
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

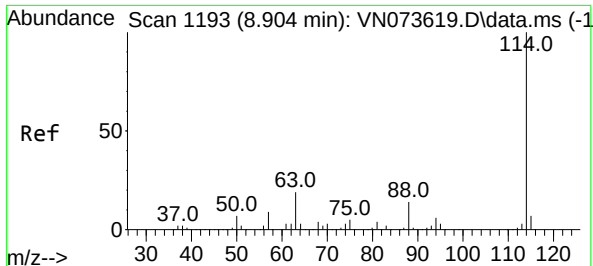
Tgt Ion: 56 Resp: 11939
Ion Ratio Lower Upper
56 100
69 89.7 27.8 41.8#
84 118.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.380 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 65 Resp: 201816
Ion Ratio Lower Upper
65 100
67 53.1 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: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-B

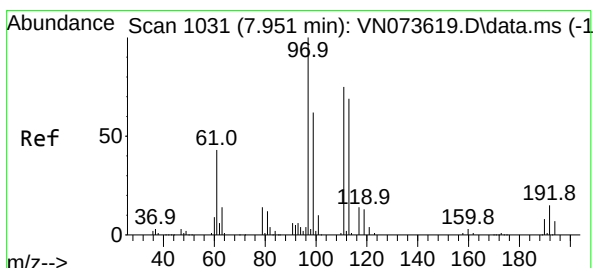
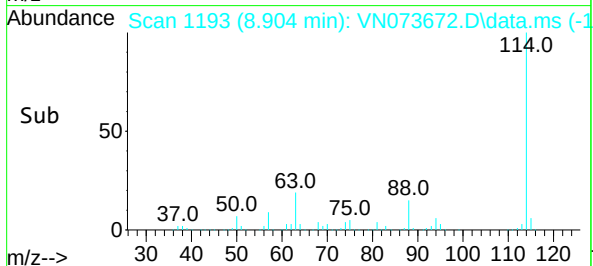
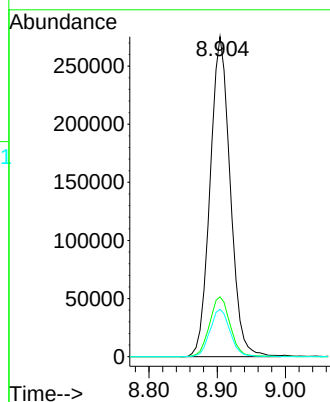
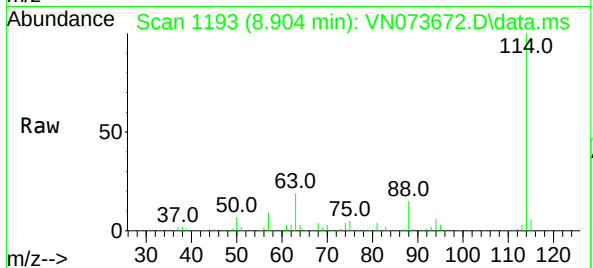
Tgt Ion:114 Resp: 566000

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.874 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

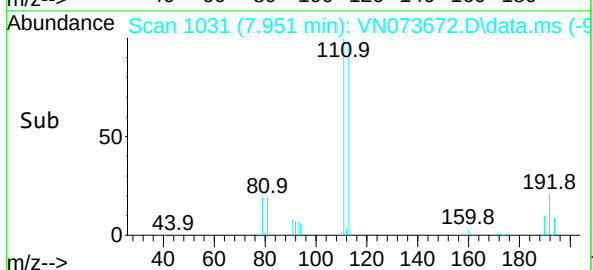
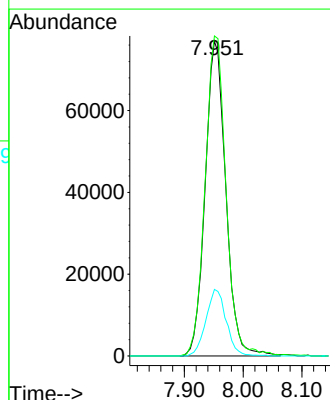
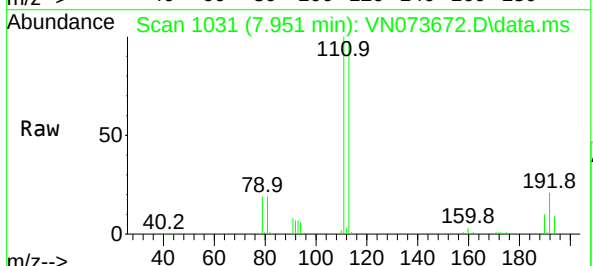
Tgt Ion:113 Resp: 187920

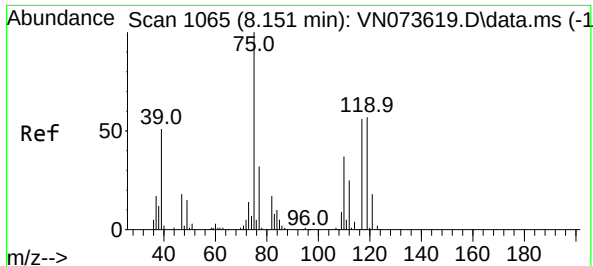
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 20.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.145 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-B

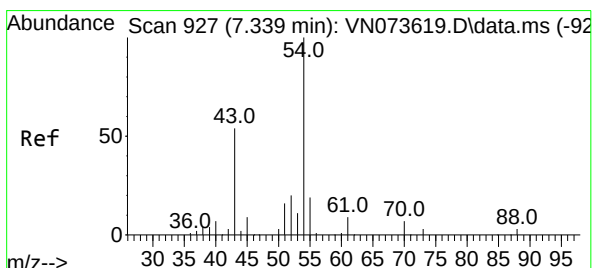
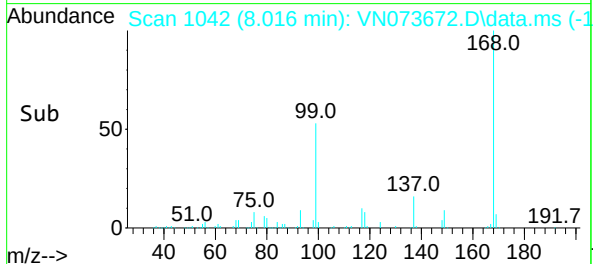
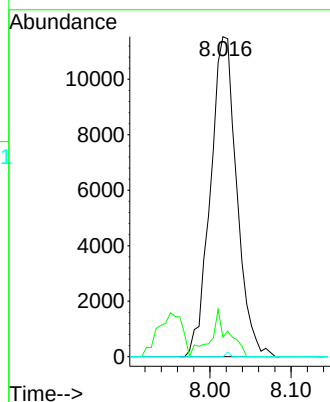
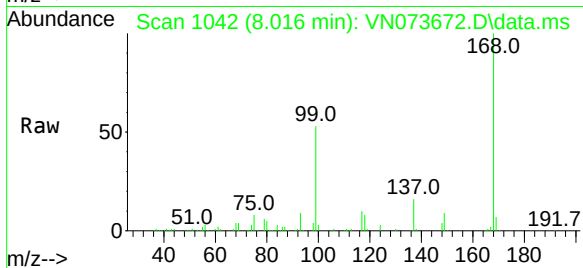
Tgt Ion: 75 Resp: 26061

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.293 ug/l

RT: 7.345 min Scan# 928

Delta R.T. 0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

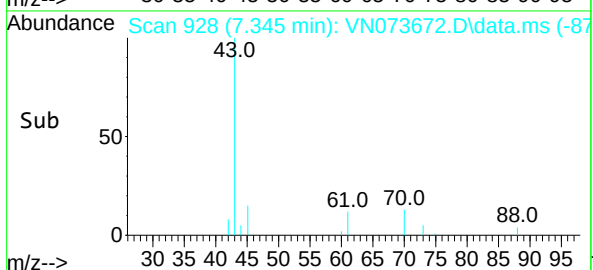
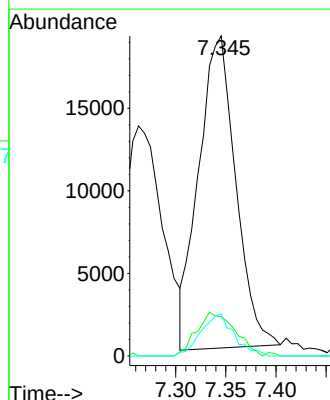
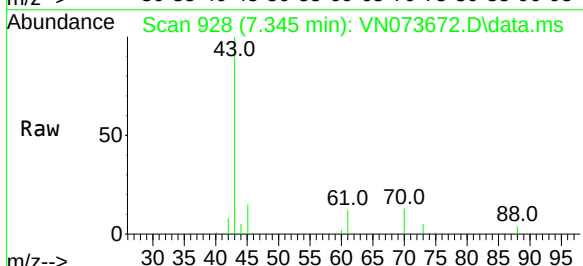
Tgt Ion: 43 Resp: 48655

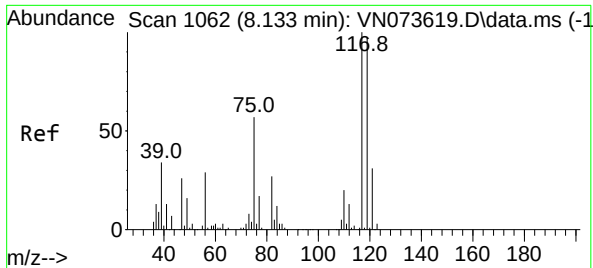
Ion Ratio Lower Upper

43 100

61 14.4 11.8 17.6

70 12.0 9.3 13.9

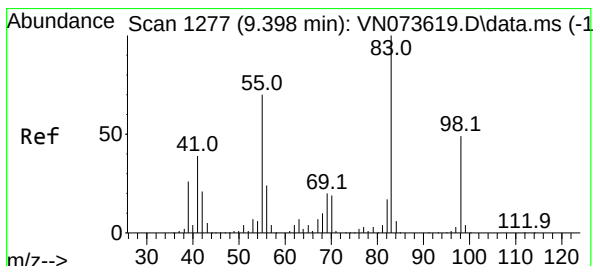
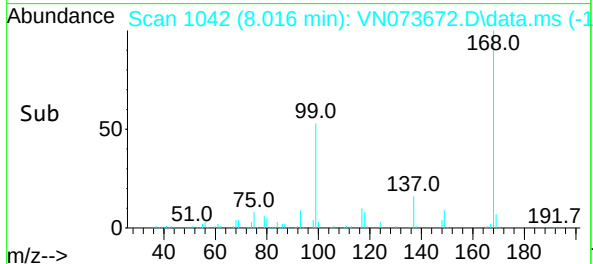
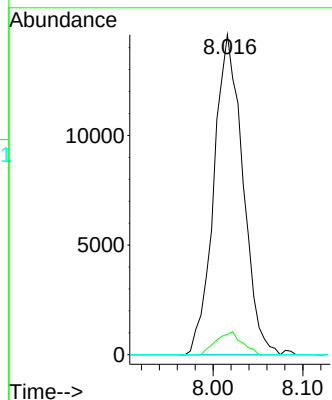
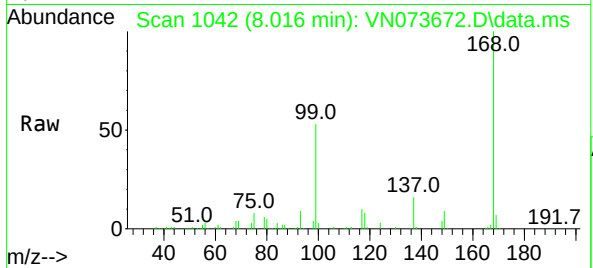




#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

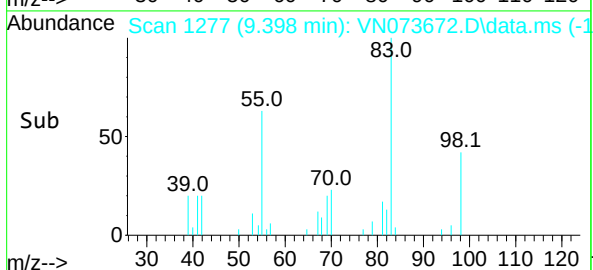
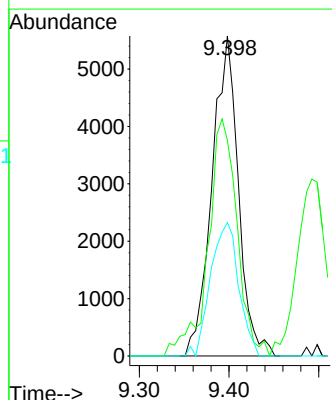
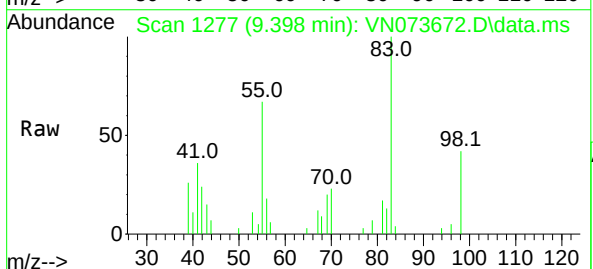
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

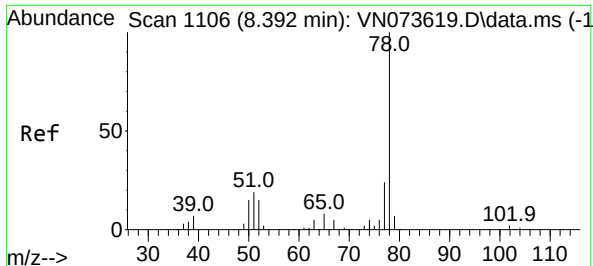
Tgt Ion:117 Resp: 32758
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 1.883 ug/l
RT: 9.398 min Scan# 1277
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 83 Resp: 11399
Ion Ratio Lower Upper
83 100
55 63.7 57.8 86.8
98 41.7 39.4 59.2

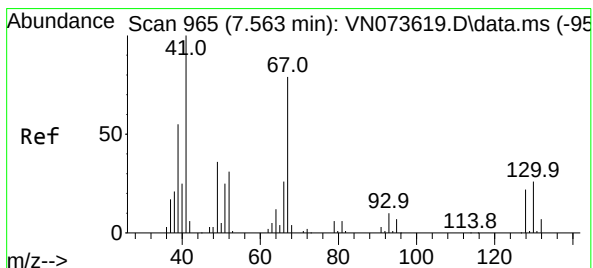
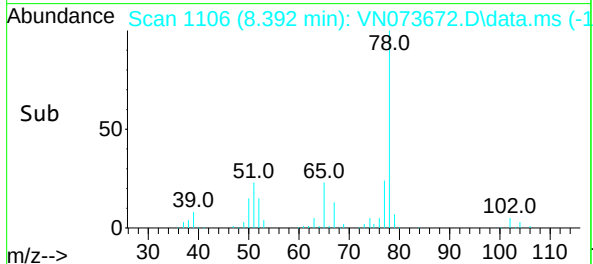
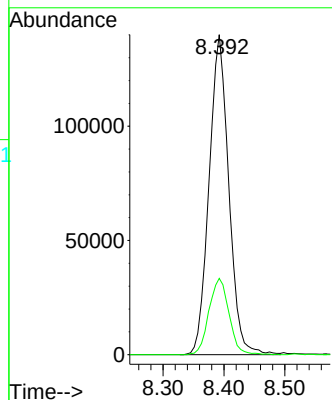
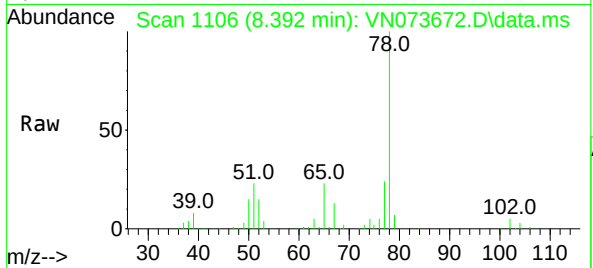




#40
Benzene
Concen: 19.141 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

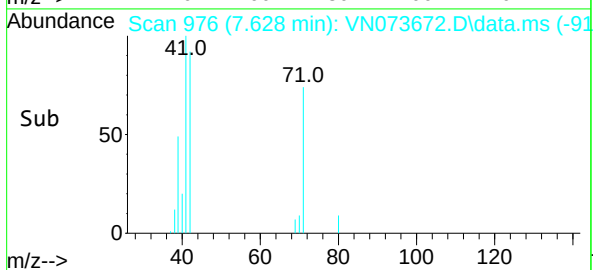
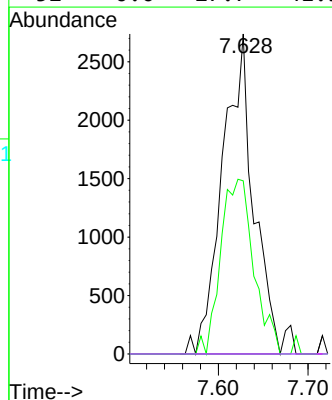
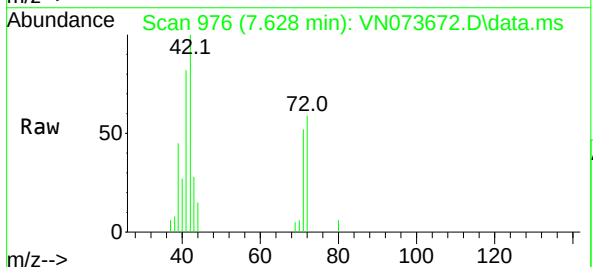
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

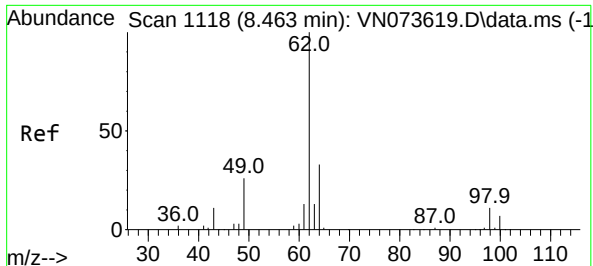
Tgt Ion: 78 Resp: 314845
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0



#41
Methacrylonitrile
Concen: 2.171 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 41 Resp: 6553
Ion Ratio Lower Upper
41 100
39 58.6 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.494 ug/l

RT: 8.386 min Scan# 1105

Delta R.T. -0.076 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

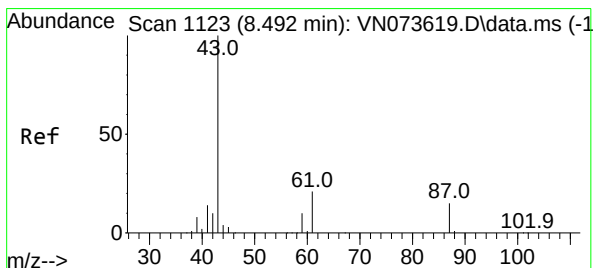
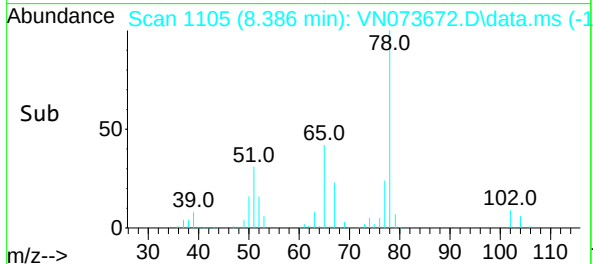
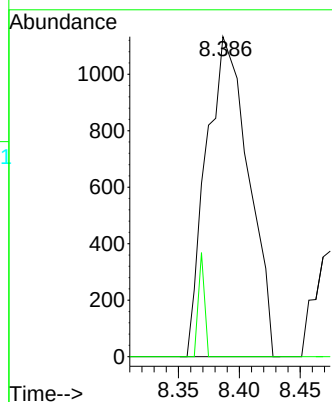
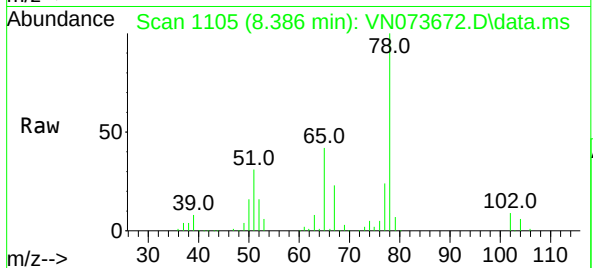
HMGP-SOIL-B

Tgt Ion: 62 Resp: 2739

Ion Ratio Lower Upper

62 100

98 4.7 0.0 19.4



#43

Isopropyl Acetate

Concen: 23.408 ug/l

RT: 8.492 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

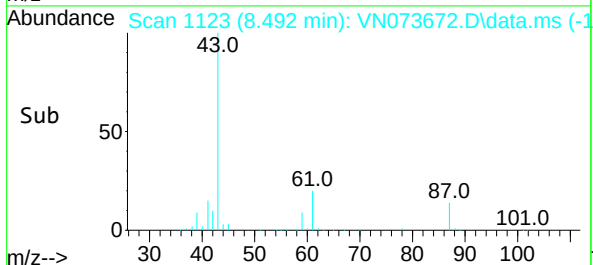
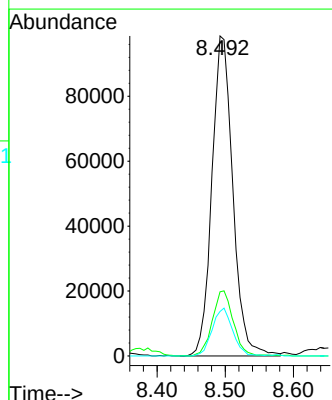
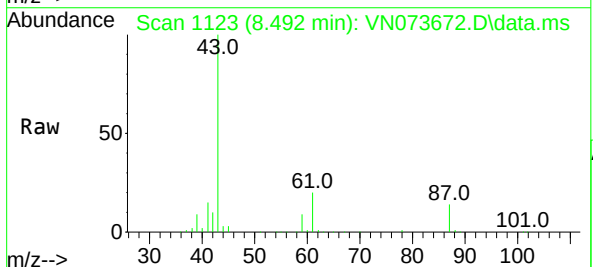
Tgt Ion: 43 Resp: 210921

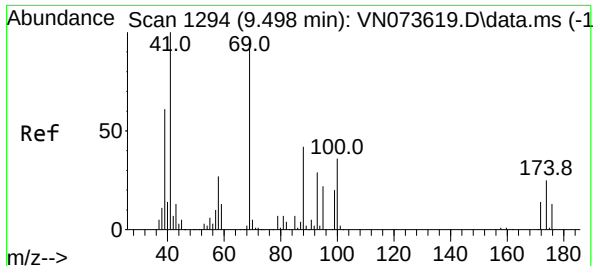
Ion Ratio Lower Upper

43 100

61 20.5 21.9 32.9#

87 14.6 12.0 18.0

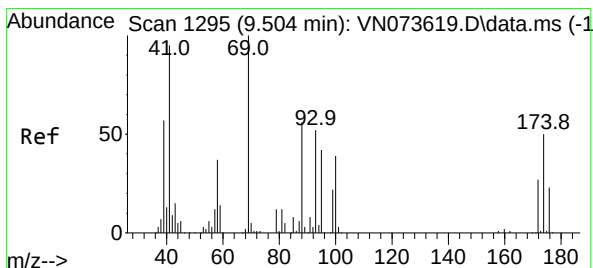
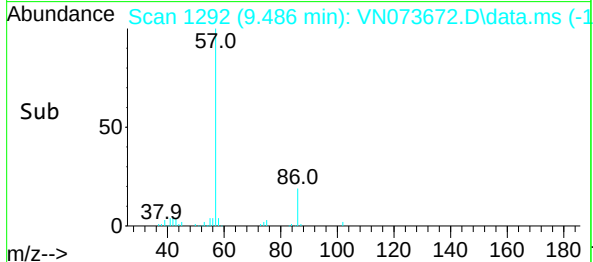
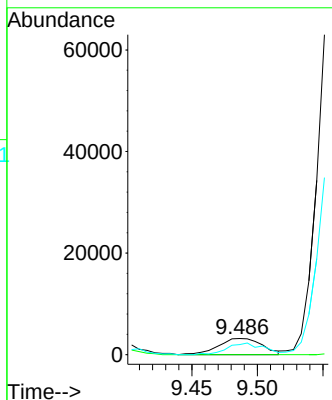
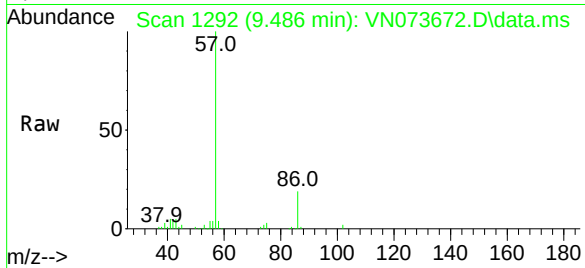




#48
Methyl methacrylate
Concen: 1.889 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

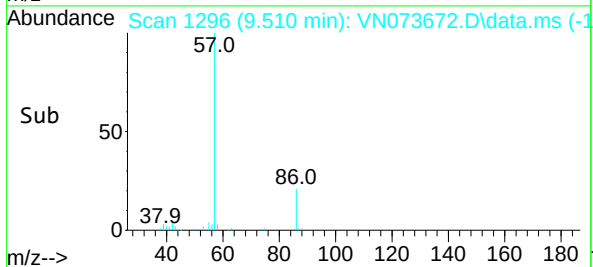
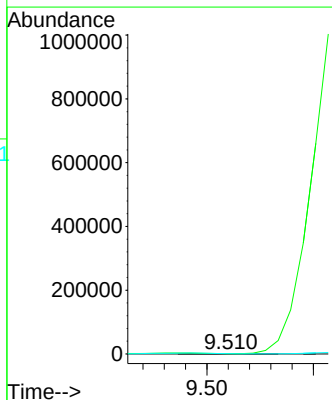
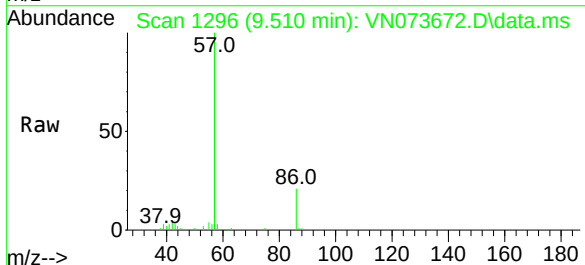
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

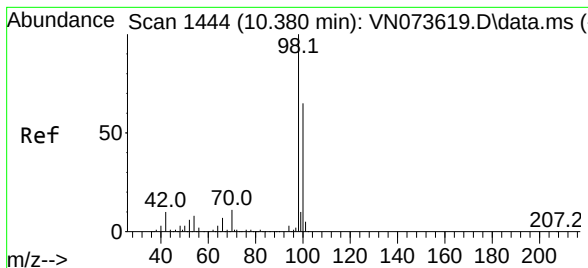
Tgt Ion: 41 Resp: 7452
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 59.2 45.6 68.4



#49
1,4-Dioxane
Concen: 4.497 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 88 Resp: 500
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 1273.8 54.2 81.4#

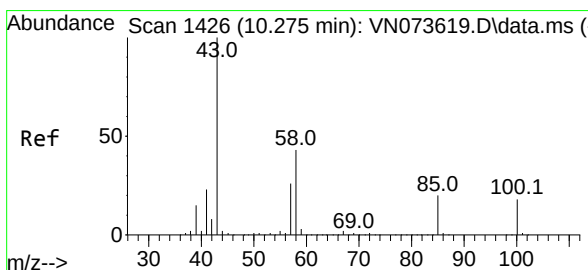
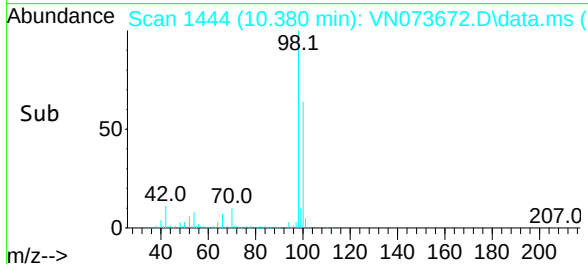
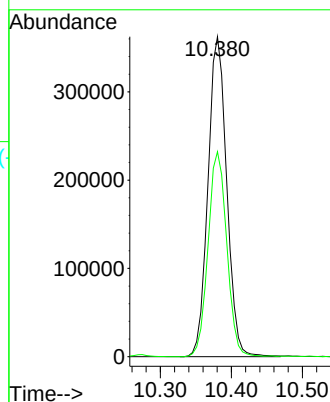
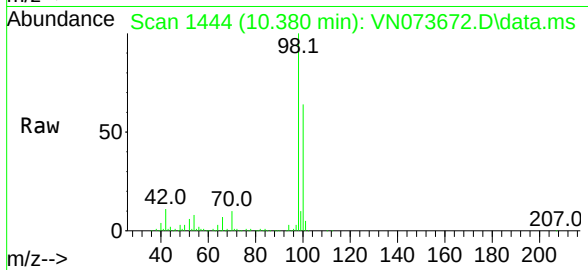




#50
Toluene-d8
Concen: 47.537 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

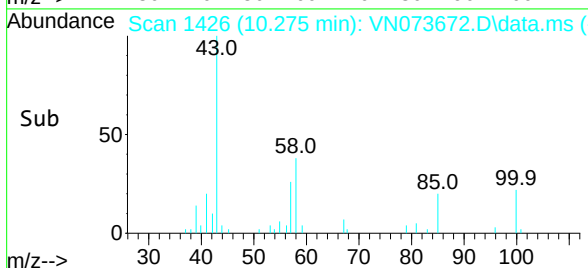
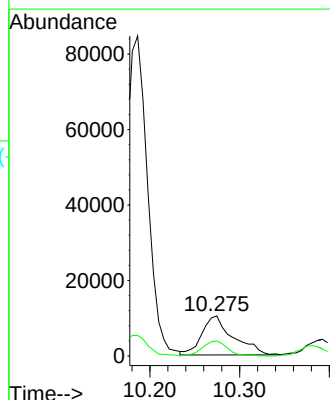
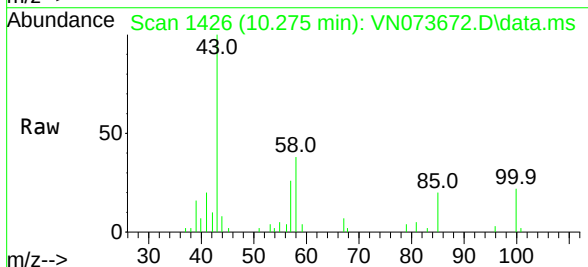
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

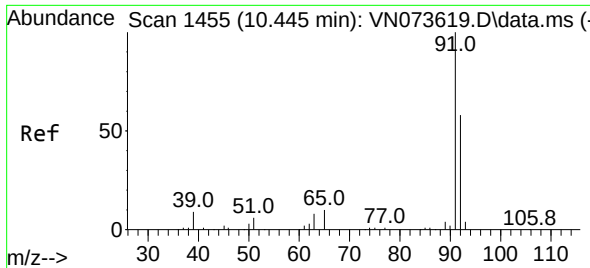
Tgt Ion: 98 Resp: 664852
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.869 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 43 Resp: 25006
Ion Ratio Lower Upper
43 100
58 30.7 34.1 51.1#

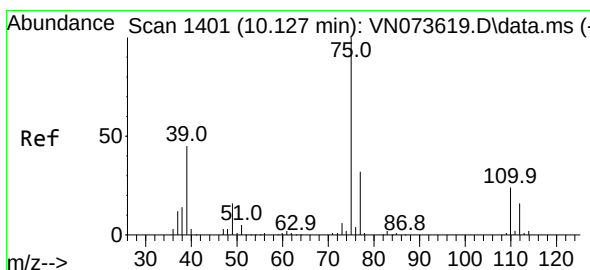
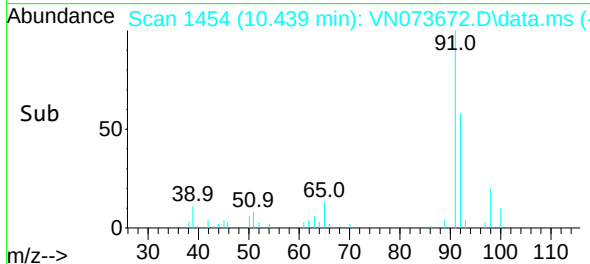
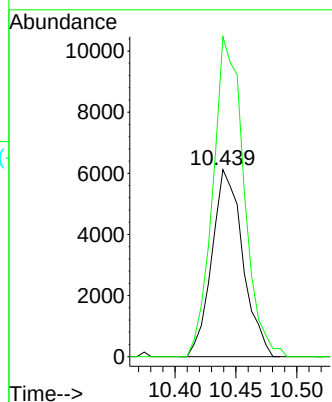
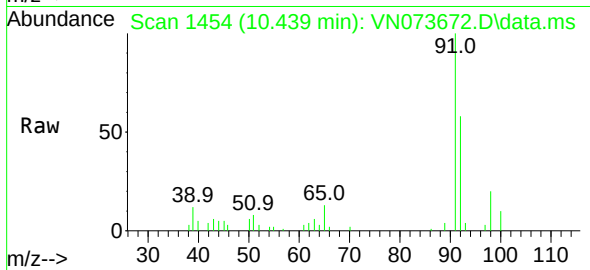




#52
Toluene
Concen: 1.074 ug/l
RT: 10.439 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

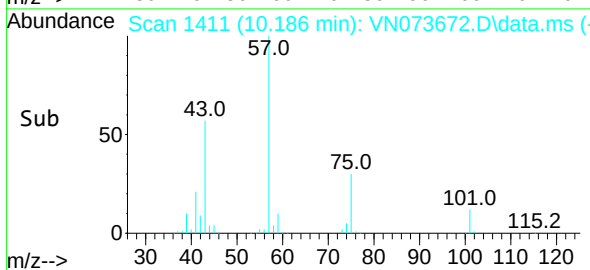
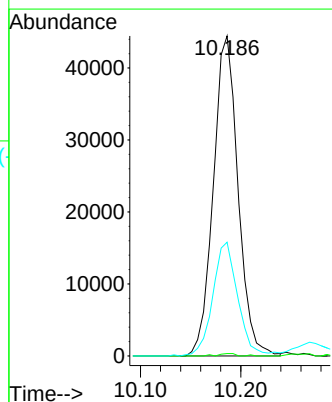
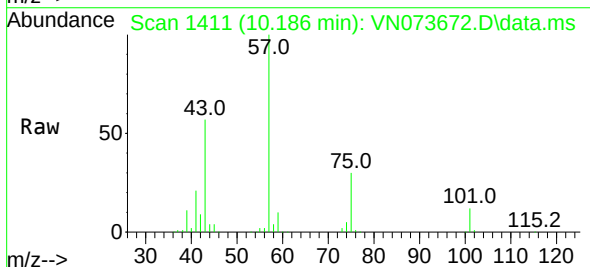
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

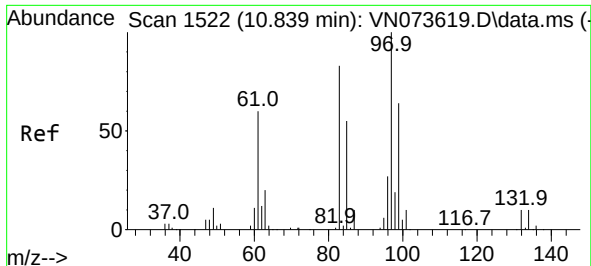
Tgt Ion: 92 Resp: 10791
Ion Ratio Lower Upper
92 100
91 171.5 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 12.473 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 75 Resp: 76047
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 35.5 35.7 53.5#

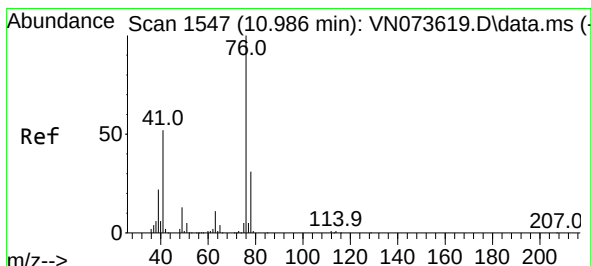
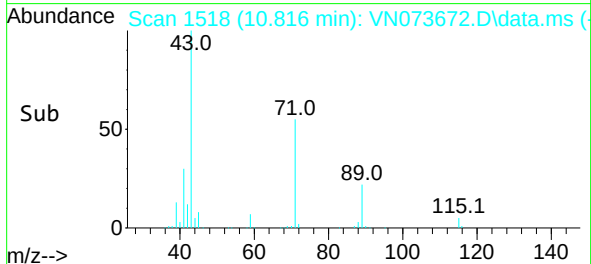
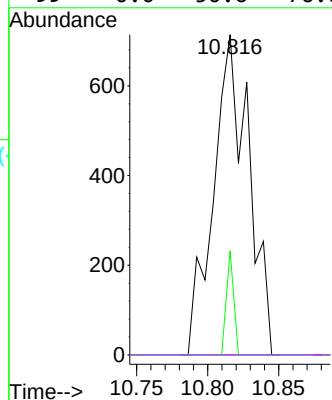
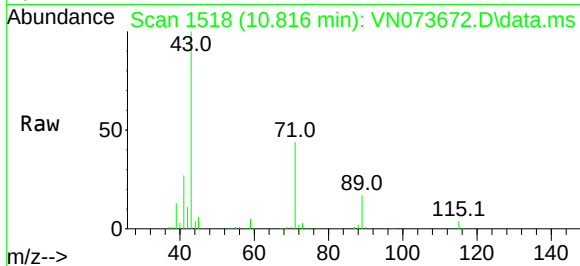




#55
 1,1,2-Trichloroethane
 Concen: 0.295 ug/l
 RT: 10.816 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: VN073672.D
 Acq: 01 Aug 2022 20:13

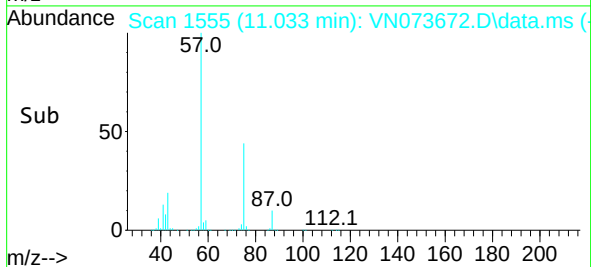
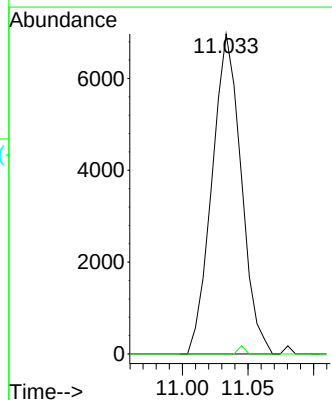
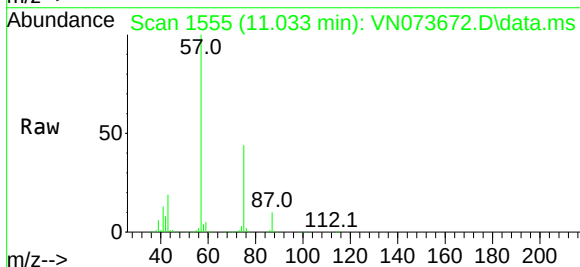
Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-B

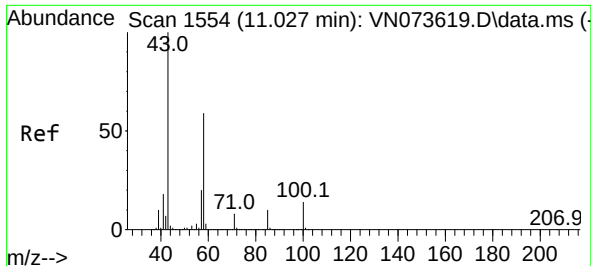
Tgt Ion: 97	Resp: 1237
Ion Ratio	Lower Upper
97 100	
83 32.5	66.2 99.4#
85 0.0	43.9 65.9#
99 0.0	50.6 76.0#



#57
 1,3-Dichloropropane
 Concen: 1.519 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073672.D
 Acq: 01 Aug 2022 20:13

Tgt Ion: 76	Resp: 10796
Ion Ratio	Lower Upper
76 100	
78 0.6	26.2 39.2#

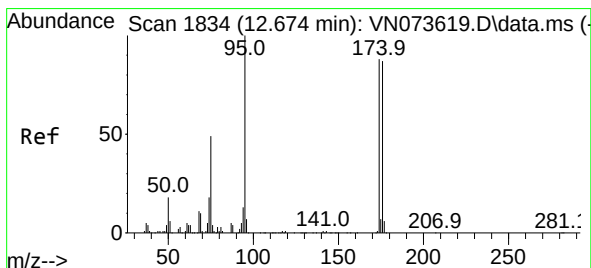
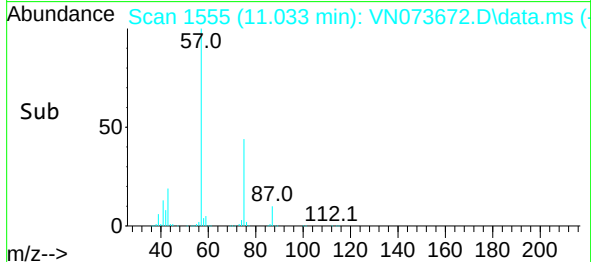
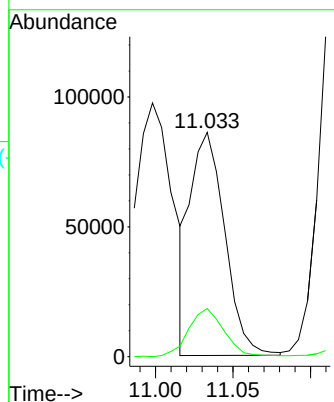
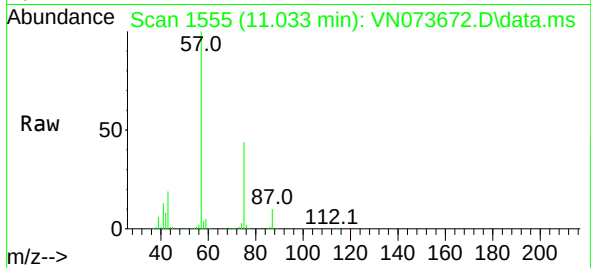




#59
2-Hexanone
Concen: 27.162 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

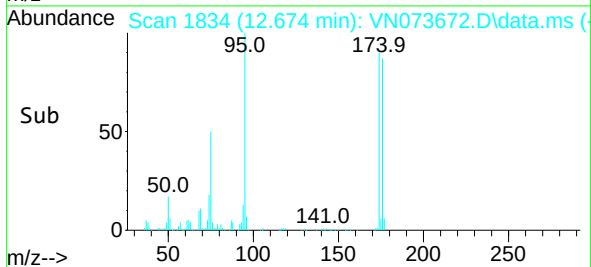
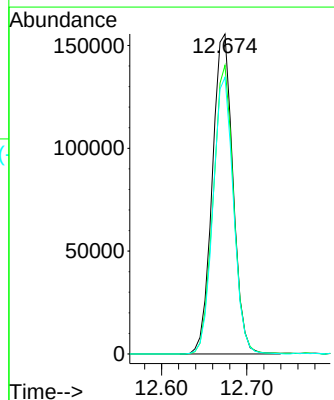
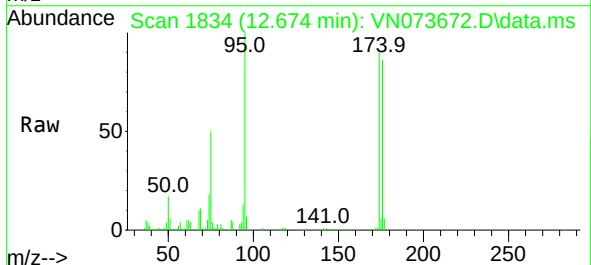
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

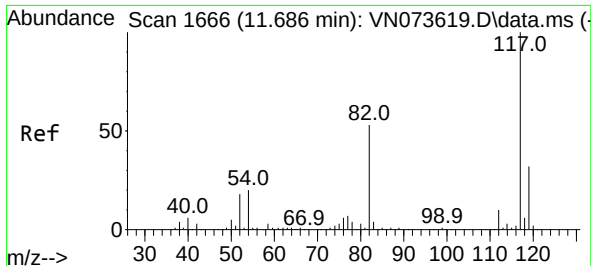
Tgt Ion: 43 Resp: 132996
Ion Ratio Lower Upper
43 100
58 22.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.095 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 95 Resp: 262522
Ion Ratio Lower Upper
95 100
174 88.4 0.0 167.6
176 85.1 0.0 163.4

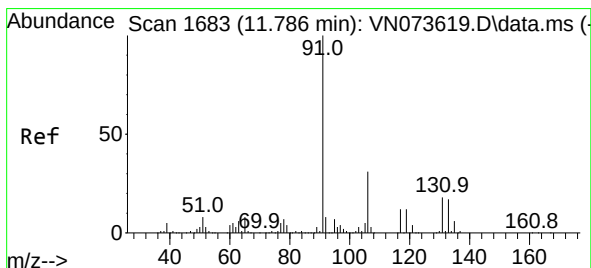
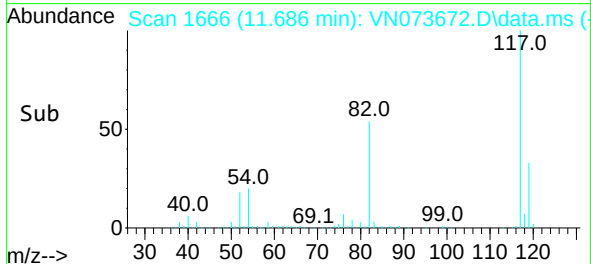
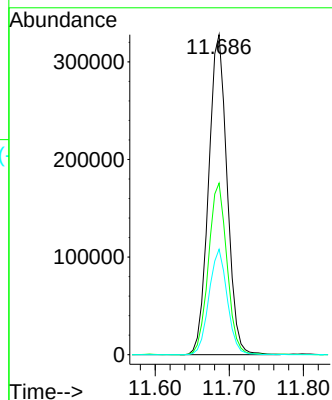
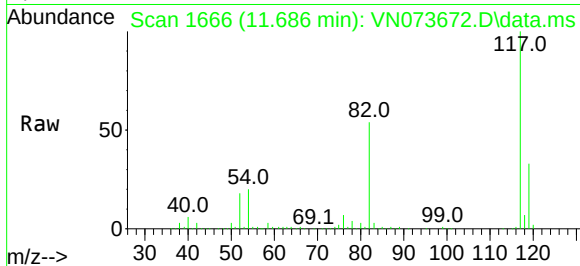




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

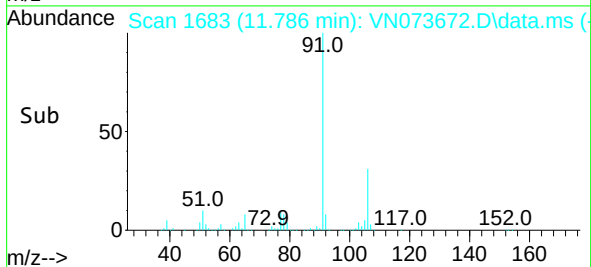
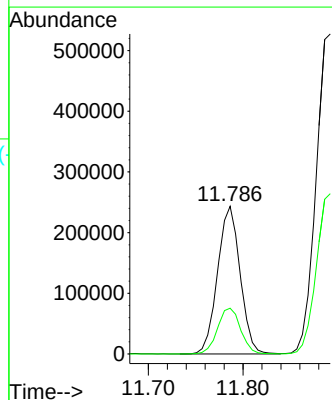
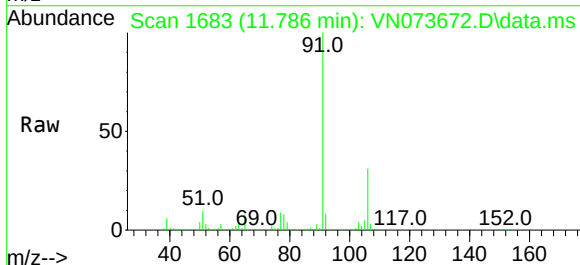
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

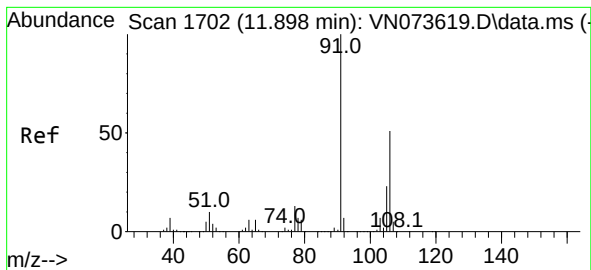
Tgt Ion:117 Resp: 568342
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 33.0 25.4 38.0



#67
Ethyl Benzene
Concen: 19.792 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 91 Resp: 403081
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3





#68

m/p-Xylenes

Concen: 61.333 ug/l

RT: 11.892 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

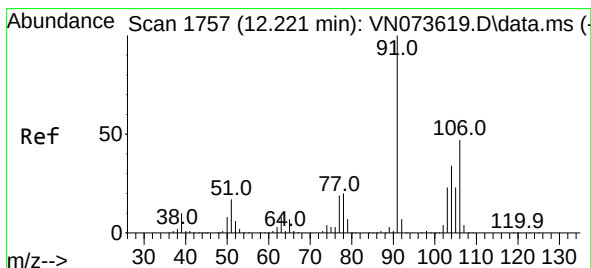
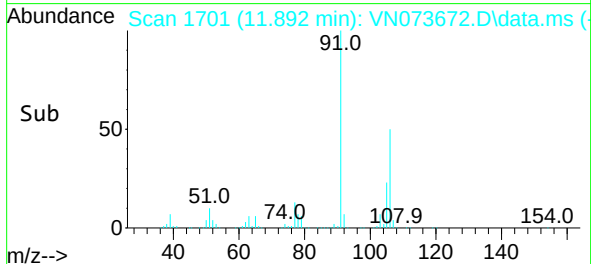
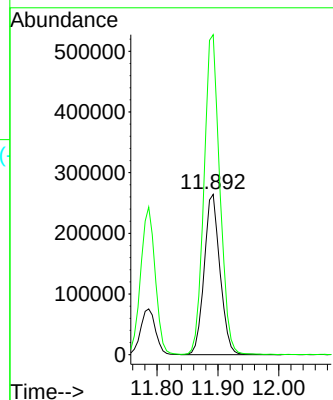
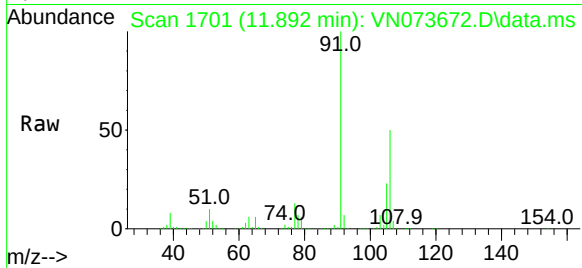
HMGP-SOIL-B

Tgt Ion:106 Resp: 476413

Ion Ratio Lower Upper

106 100

91 200.1 158.9 238.3



#69

o-Xylene

Concen: 23.978 ug/l

RT: 12.222 min Scan# 1757

Delta R.T. 0.000 min

Lab File: VN073672.D

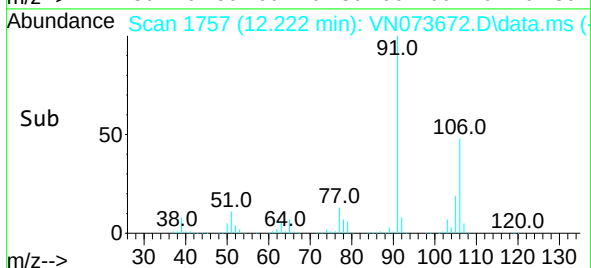
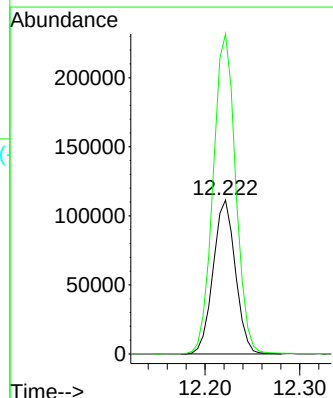
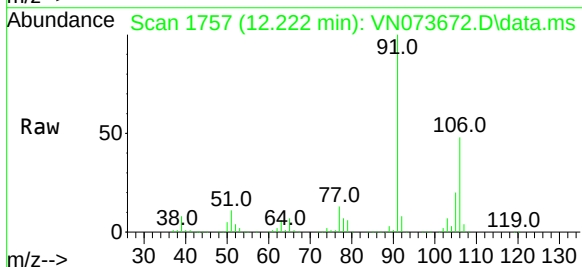
Acq: 01 Aug 2022 20:13

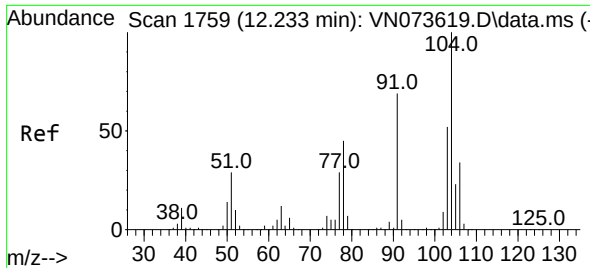
Tgt Ion:106 Resp: 181581

Ion Ratio Lower Upper

106 100

91 211.6 106.0 318.0

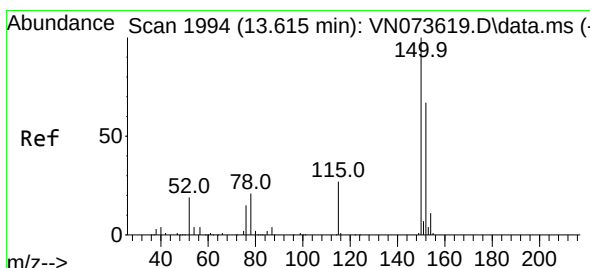
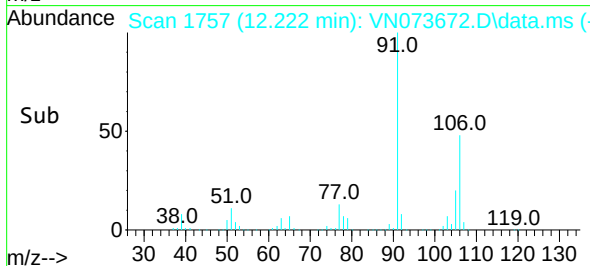
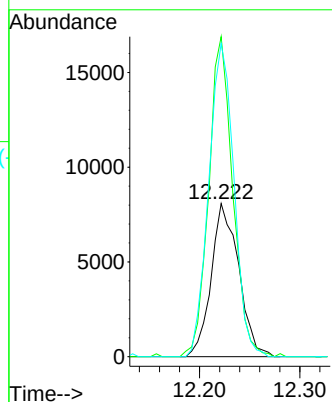
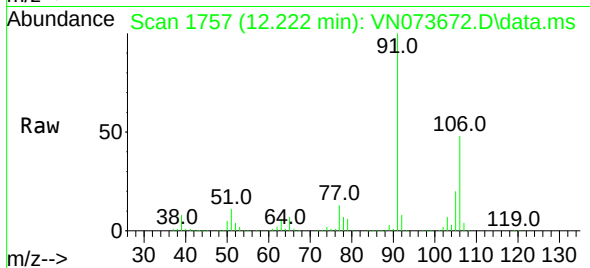




#70
Styrene
Concen: 1.270 ug/l
RT: 12.222 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

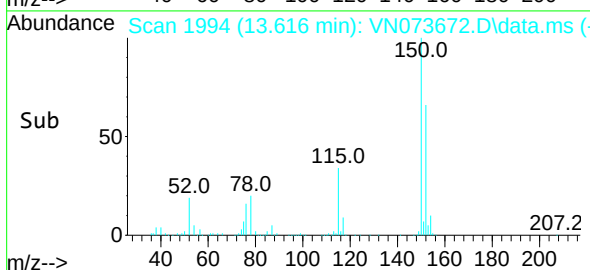
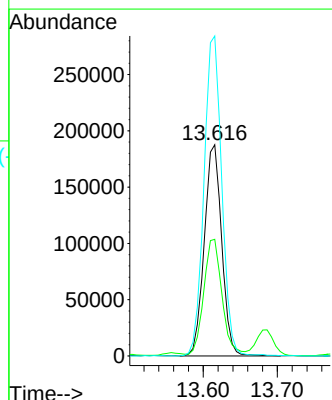
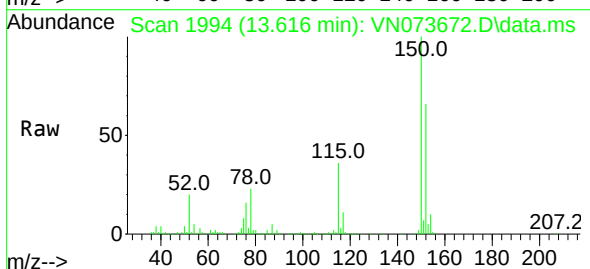
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

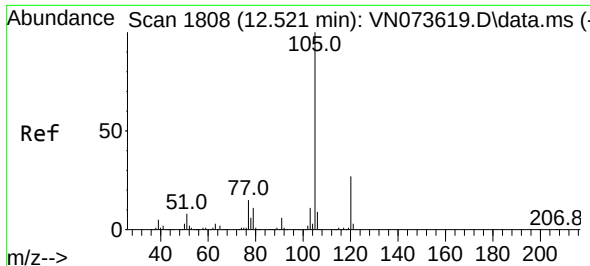
Tgt Ion:104 Resp: 15393
Ion Ratio Lower Upper
104 100
78 183.0 39.5 59.3#
103 187.6 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion:152 Resp: 307161
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 154.1 0.0 356.2

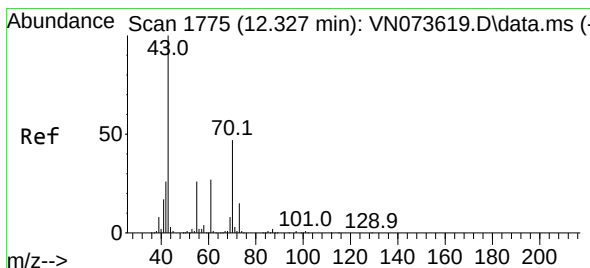
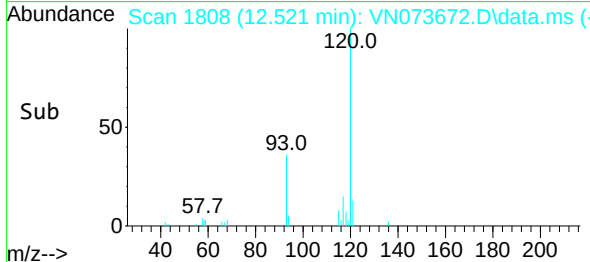
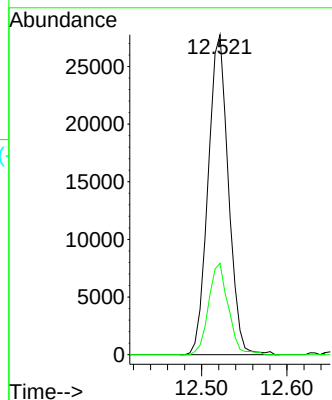
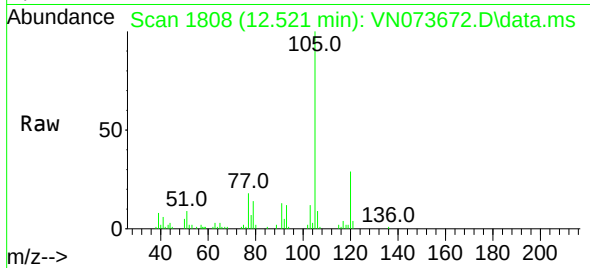




#73
Isopropylbenzene
Concen: 2.040 ug/l
RT: 12.521 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

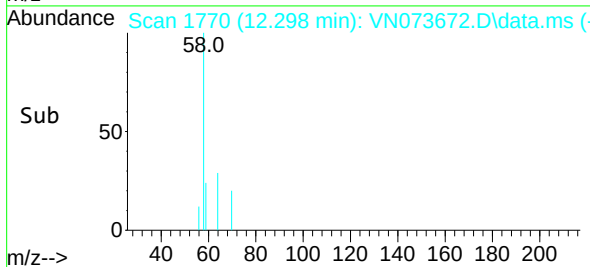
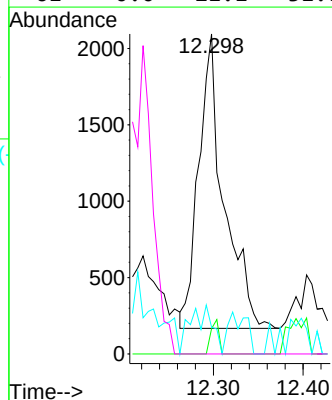
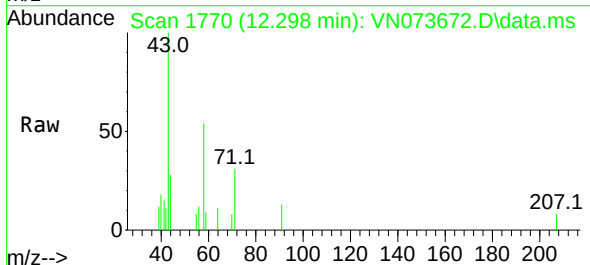
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

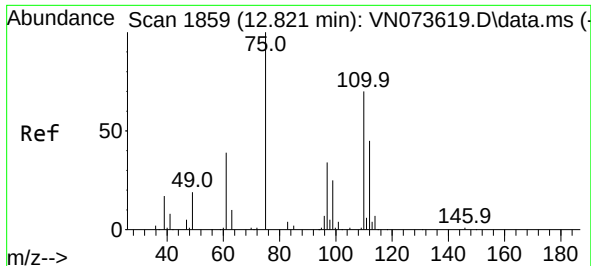
Tgt Ion:105 Resp: 45878
Ion Ratio Lower Upper
105 100
120 27.7 13.5 40.4



#74
N-ethyl acetate
Concen: 0.443 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 43 Resp: 3765
Ion Ratio Lower Upper
43 100
70 3.7 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

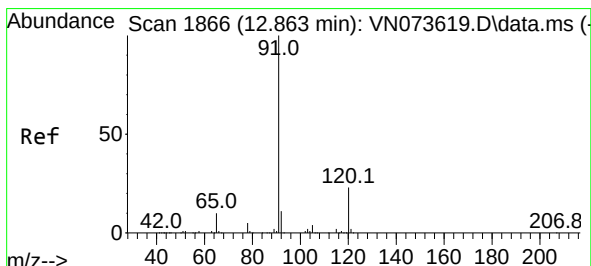
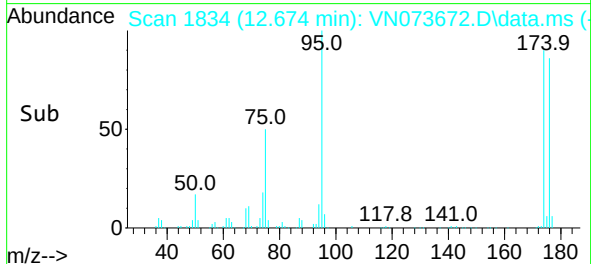
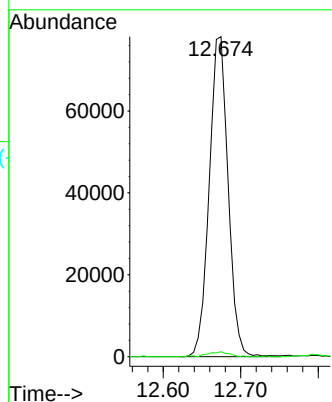
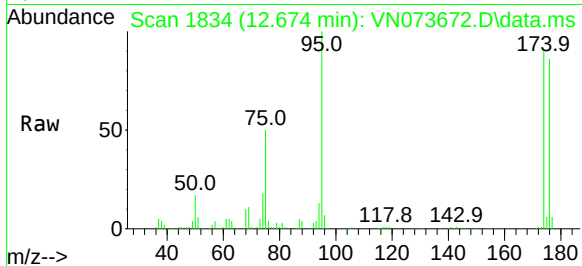




#76
1,2,3-Trichloropropane
Concen: 21.680 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

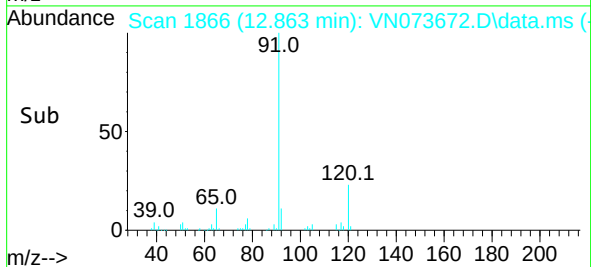
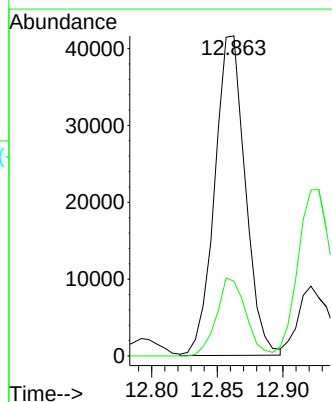
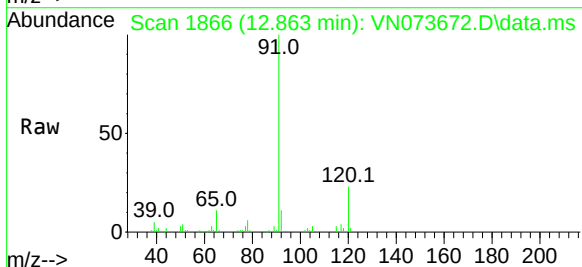
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

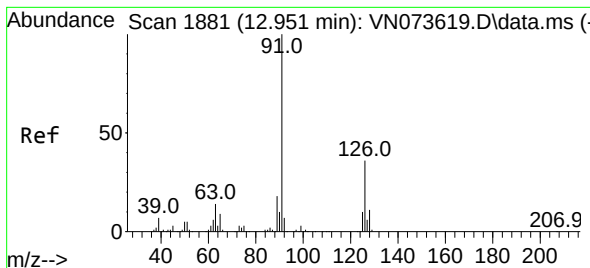
Tgt Ion: 75 Resp: 132265
Ion Ratio Lower Upper
75 100
77 1.8 98.5 295.5#



#78
n-propylbenzene
Concen: 2.668 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 91 Resp: 67495
Ion Ratio Lower Upper
91 100
120 23.4 11.9 35.5





#79

2-Chlorotoluene

Concen: 0.388 ug/l

RT: 12.957 min Scan# 1882

Delta R.T. 0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

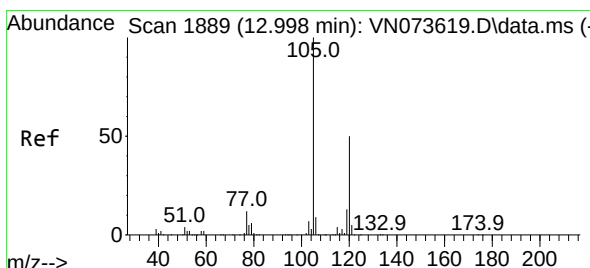
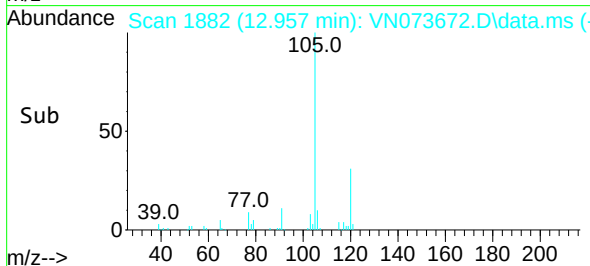
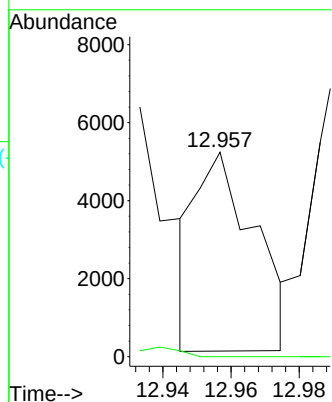
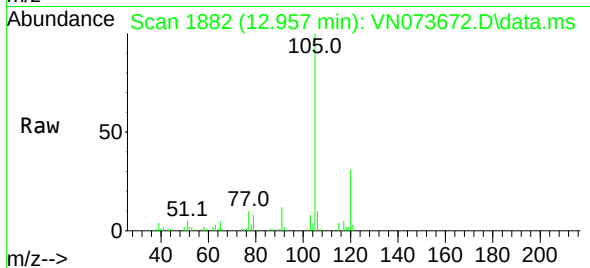
HMGP-SOIL-B

Tgt Ion: 91 Resp: 6122

Ion Ratio Lower Upper

91 100

126 3.2 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 8.943 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN073672.D

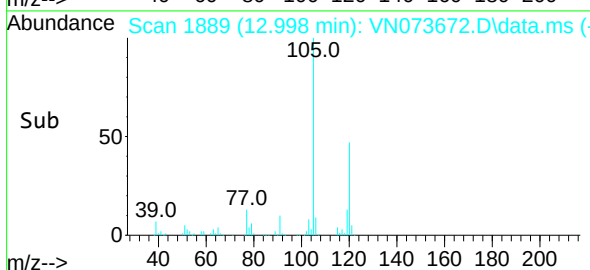
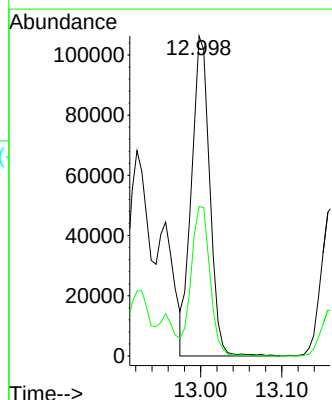
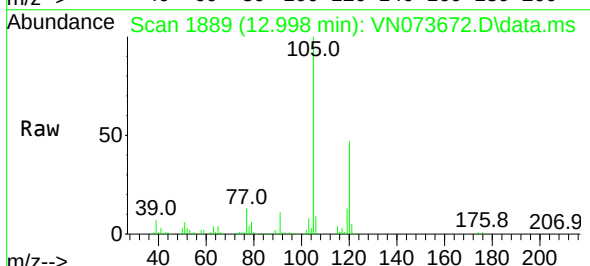
Acq: 01 Aug 2022 20:13

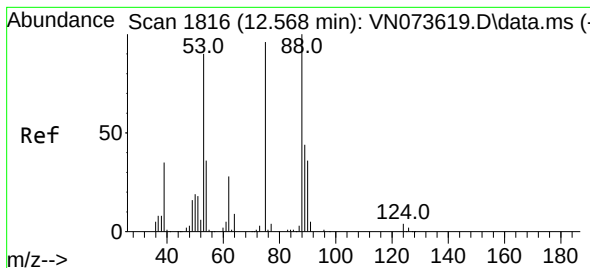
Tgt Ion: 105 Resp: 165475

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.7

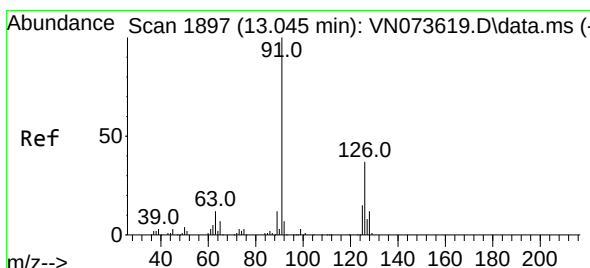
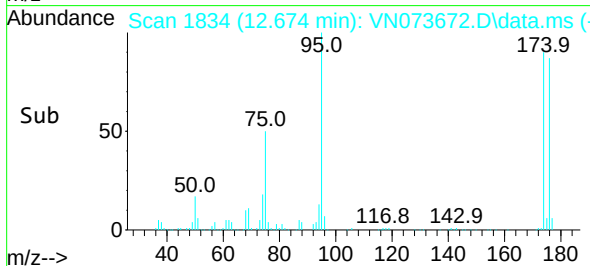
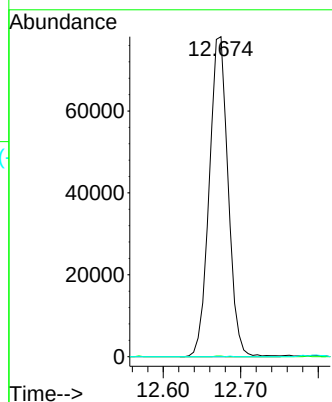
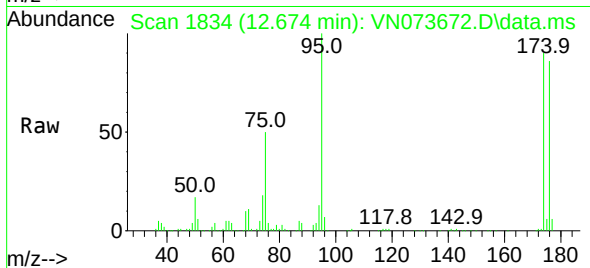




#81
trans-1,4-Dichloro-2-butene
Concen: 55.803 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

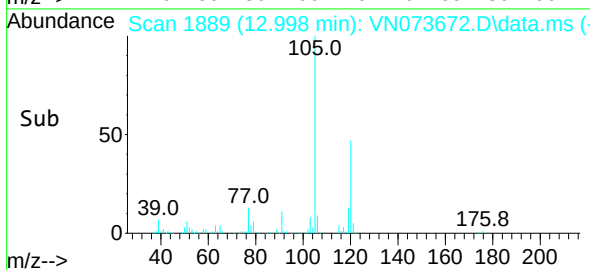
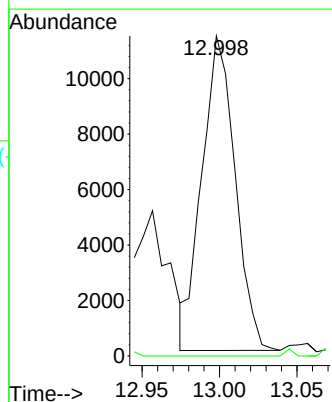
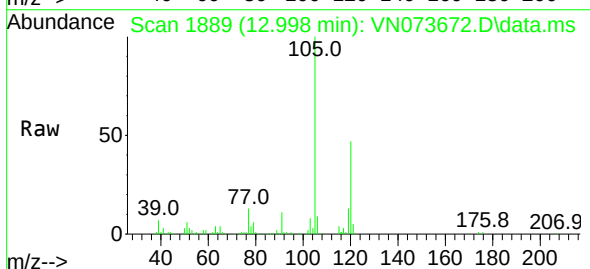
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

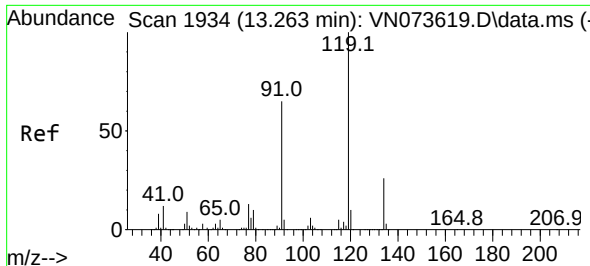
Tgt Ion: 75 Resp: 132265
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 1.128 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.047 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 91 Resp: 16878
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#

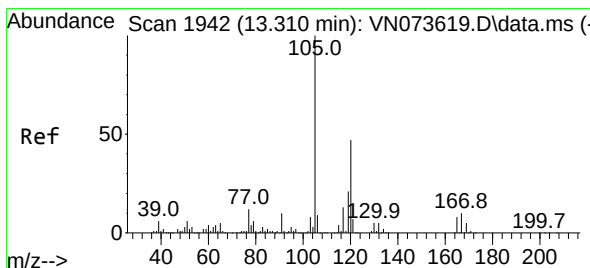
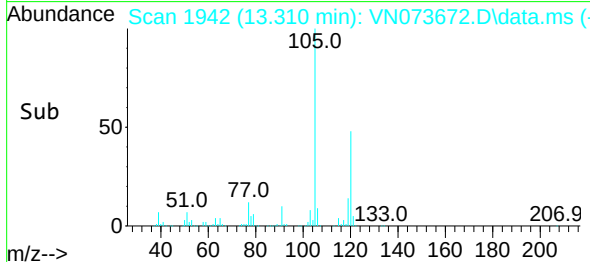
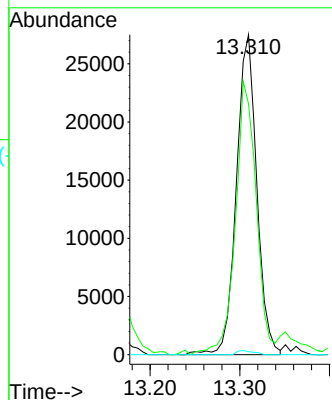
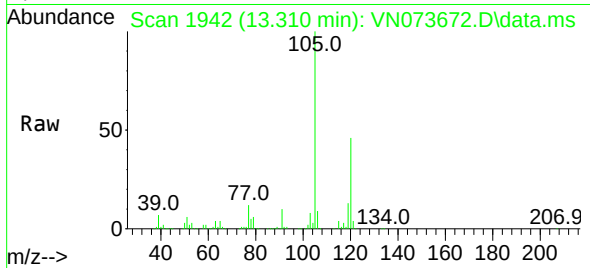




#83
tert-Butylbenzene
Concen: 2.645 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.047 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

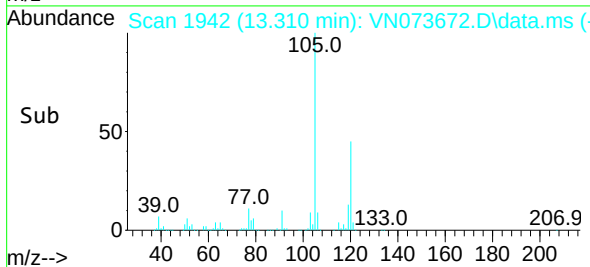
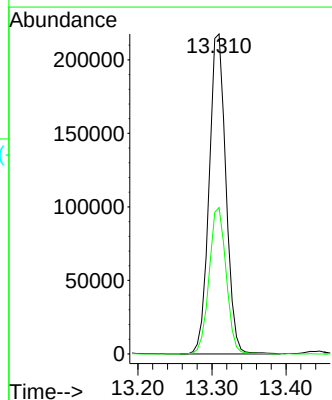
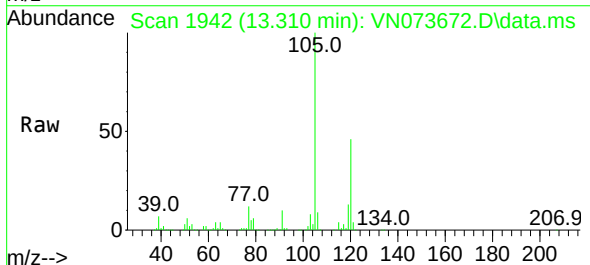
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

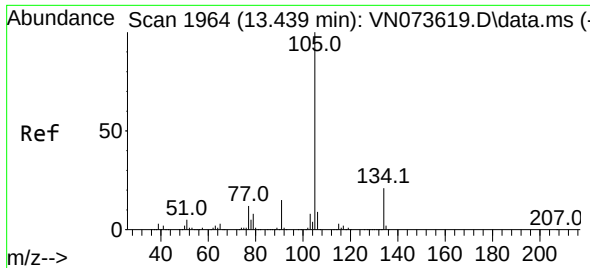
Tgt Ion:119 Resp: 43357
Ion Ratio Lower Upper
119 100
91 87.7 31.6 94.8
134 1.0 13.7 41.1#



#84
1,2,4-Trimethylbenzene
Concen: 18.823 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion:105 Resp: 342473
Ion Ratio Lower Upper
105 100
120 46.3 23.3 69.8

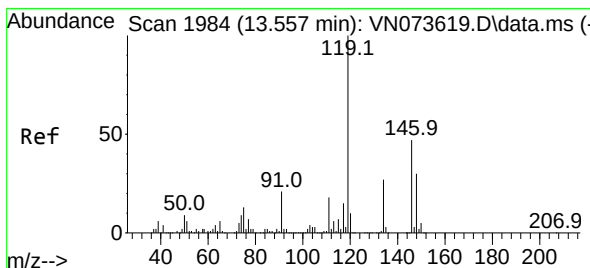
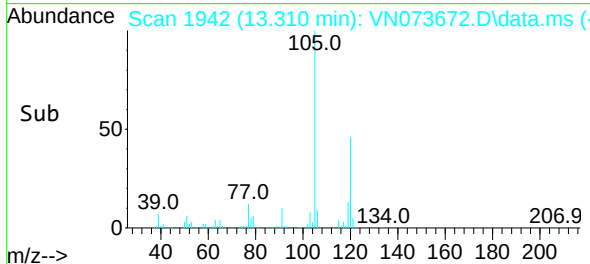
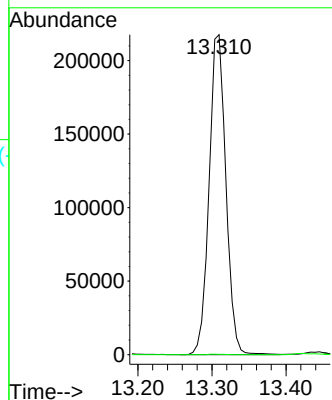
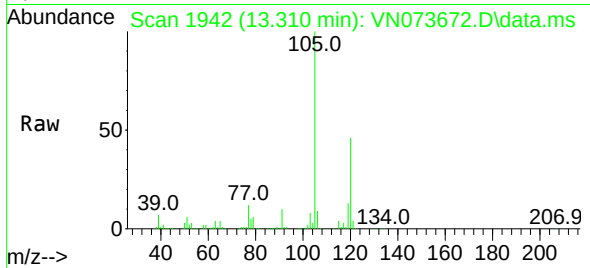




#85
 sec-Butylbenzene
 Concen: 15.119 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. -0.129 min
 Lab File: VN073672.D
 Acq: 01 Aug 2022 20:13

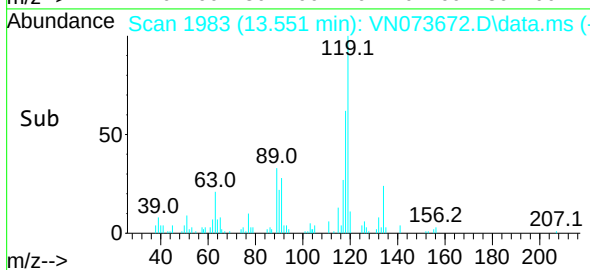
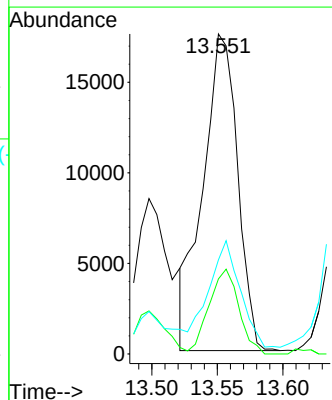
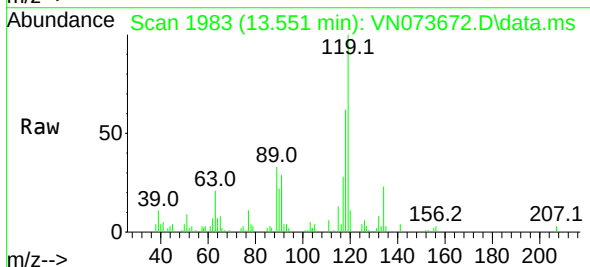
Instrument :
 MSVOA_N
 ClientSampleId :
 HMGP-SOIL-B

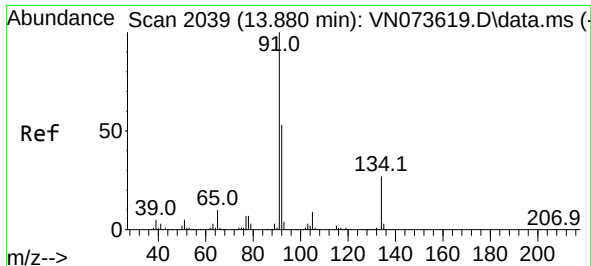
Tgt Ion:105 Resp: 342473
 Ion Ratio Lower Upper
 105 100
 134 0.1 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 1.803 ug/l
 RT: 13.551 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN073672.D
 Acq: 01 Aug 2022 20:13

Tgt Ion:119 Resp: 32189
 Ion Ratio Lower Upper
 119 100
 134 23.0 13.3 39.8
 91 30.4 11.3 33.9

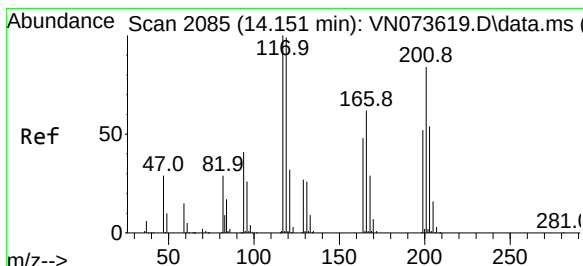
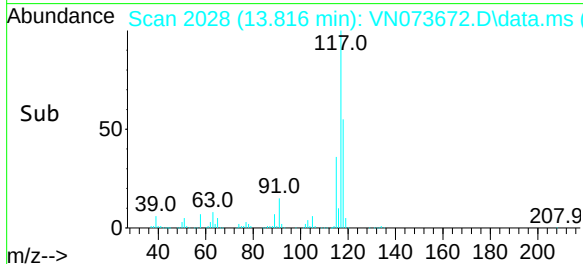
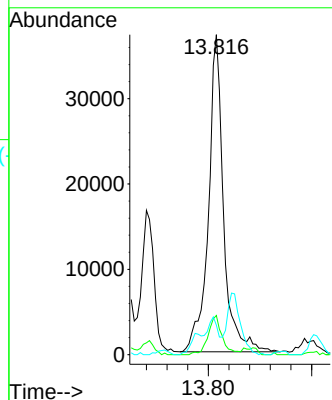
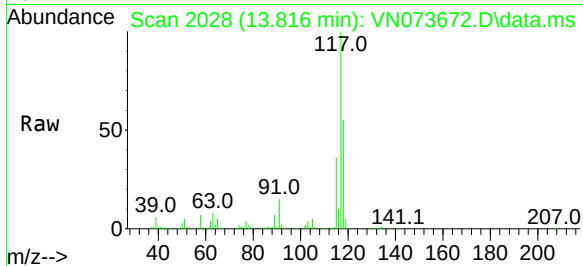




#89
n-Butylbenzene
Concen: 5.205 ug/l
RT: 13.816 min Scan# 2039
Delta R.T. -0.065 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

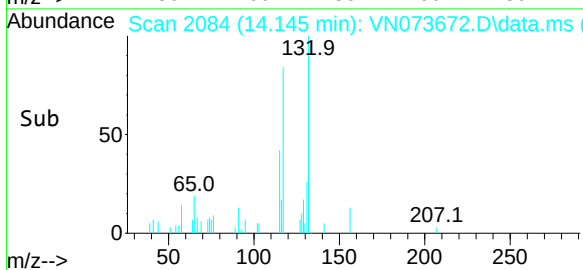
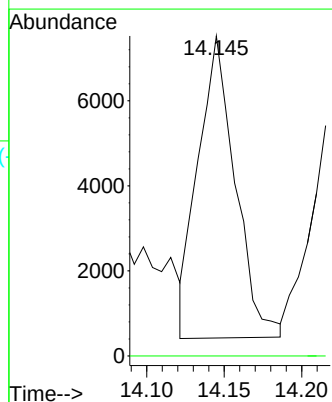
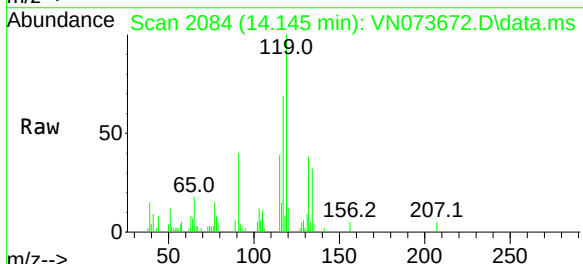
Instrument :
MSVOA_N
ClientSampleId :
HMGP-SOIL-B

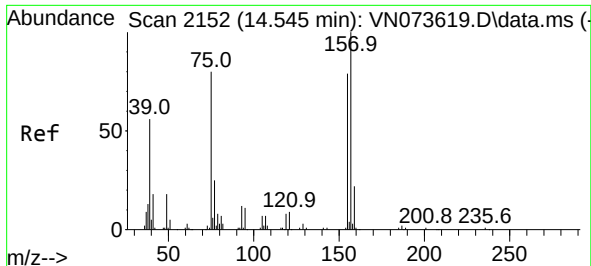
Tgt Ion: 91 Resp: 75631
Ion Ratio Lower Upper
91 100
92 11.2 26.9 80.7#
134 9.4 13.6 40.8#



#90
Hexachloroethane
Concen: 3.327 ug/l
RT: 14.145 min Scan# 2084
Delta R.T. -0.006 min
Lab File: VN073672.D
Acq: 01 Aug 2022 20:13

Tgt Ion: 117 Resp: 11788
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.948 ug/l

RT: 14.551 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Instrument :

MSVOA_N

ClientSampleId :

HMGP-SOIL-B

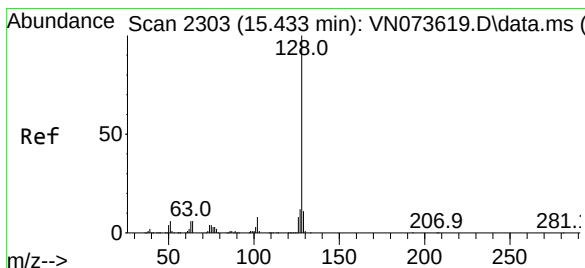
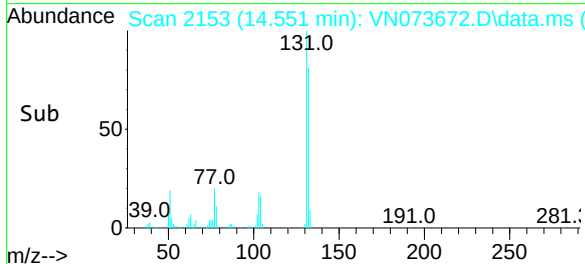
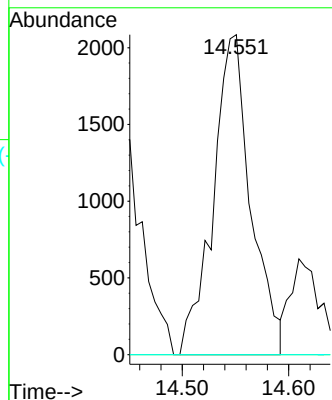
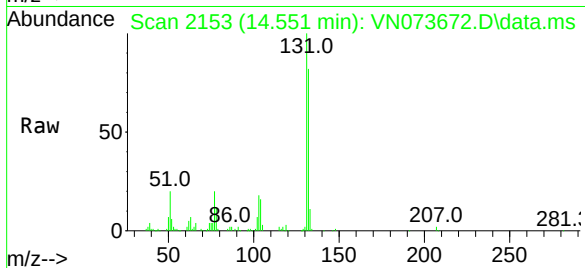
Tgt Ion: 75 Resp: 5139

Ion Ratio Lower Upper

75 100

155 0.0 44.9 134.5#

157 0.0 59.0 176.8#



#95

Naphthalene

Concen: 1248.036 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN073672.D

Acq: 01 Aug 2022 20:13

Tgt Ion:128 Resp:21782535

Ion Ratio Lower Upper

128 100

127 20.0 10.3 15.5#

129 16.9 8.6 13.0#

