

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076638.D
 Acq On : 13 Feb 2023 19:32
 Operator : JC\MD
 Sample : 01536-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Feb 14 05:26:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

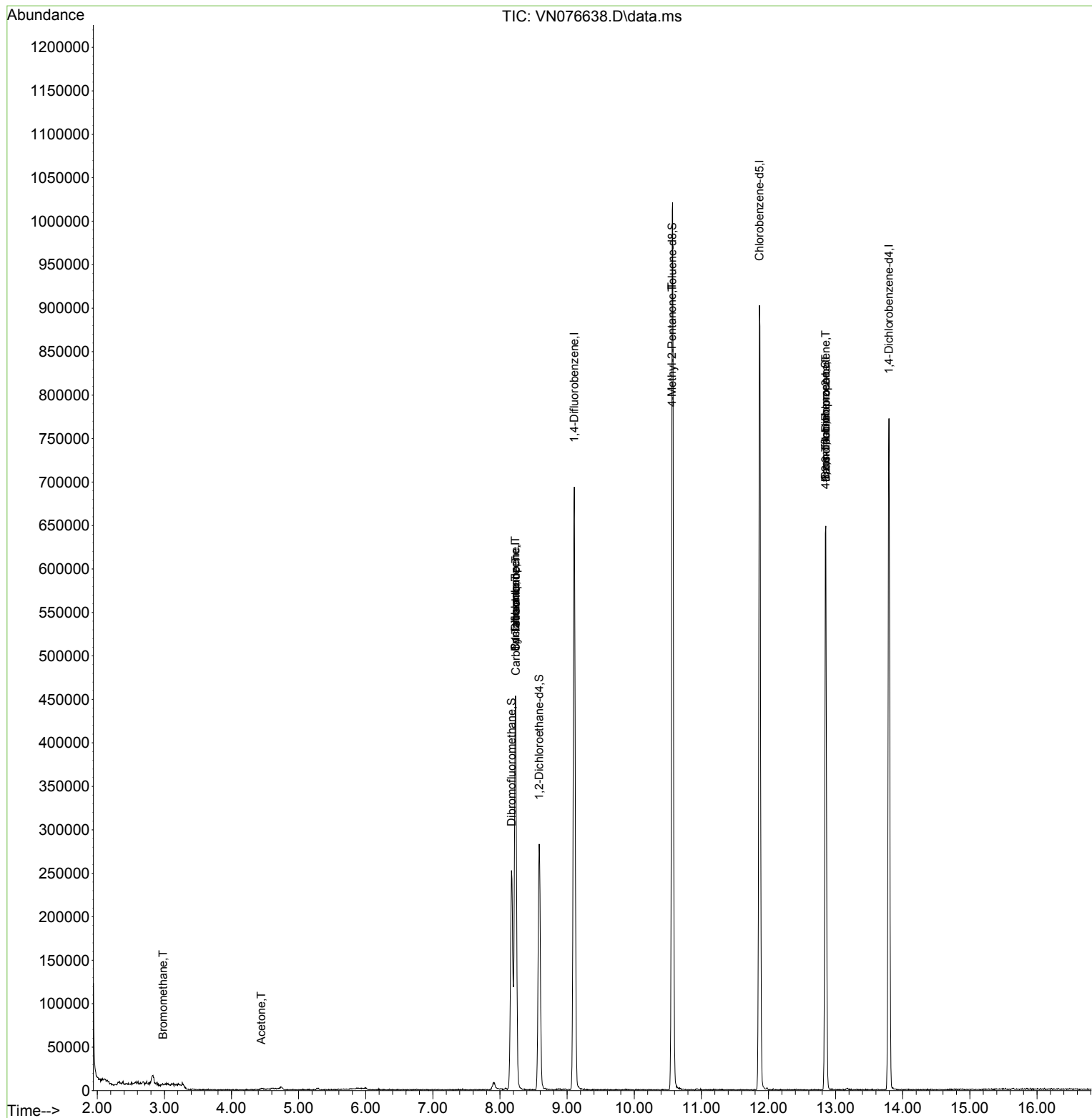
Internal Standards						
1) Pentafluorobenzene	8.231	168	321671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	581440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	503822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	198487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	223070	50.221	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.440%
35) Dibromofluoromethane	8.172	113	180005	47.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.540%
50) Toluene-d8	10.566	98	686176	48.254	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.500%
62) 4-Bromofluorobenzene	12.848	95	219073	46.514	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.020%
Target Compounds						
					Qvalue	
5) Bromomethane	2.978	94	996	0.375	ug/l #	52
16) Acetone	4.443	43	1364	0.687	ug/l	97
31) Cyclohexane	8.231	56	8485	1.218	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	28971	5.266	ug/l #	50
38) Carbon Tetrachloride	8.237	117	34010	6.128	ug/l #	16
51) 4-Methyl-2-Pentanone	10.560	43	4167	0.695	ug/l #	1
71) Bromoform	12.854	173	2488	0.875	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	117281	29.226	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	117281	85.124	ug/l #	4

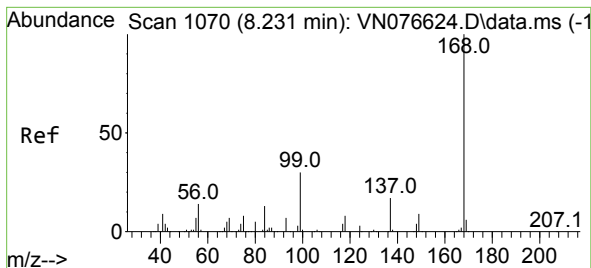
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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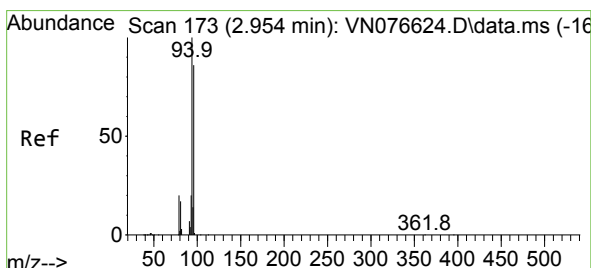
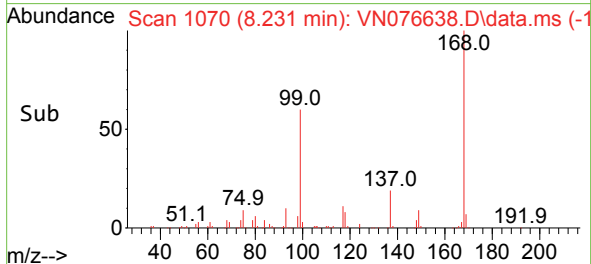
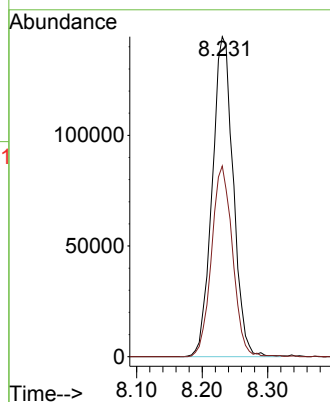
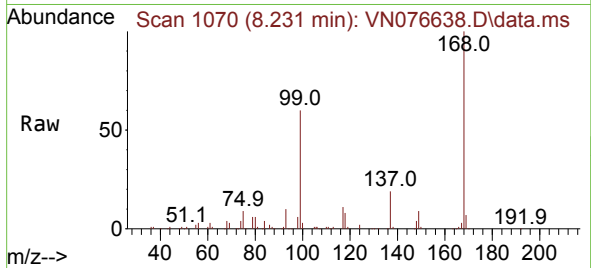




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076638.D
Acq: 13 Feb 2023 19:32

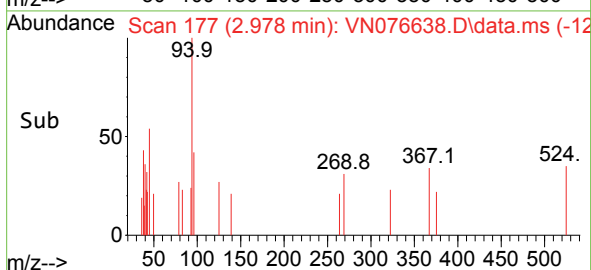
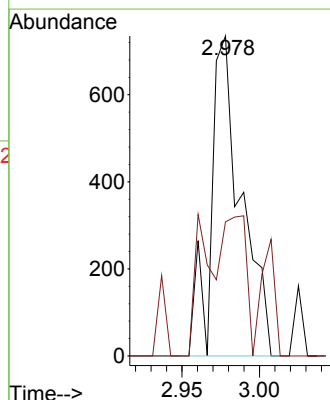
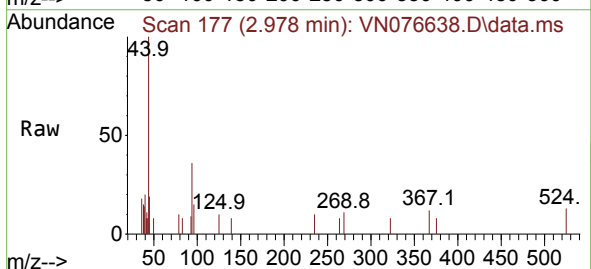
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

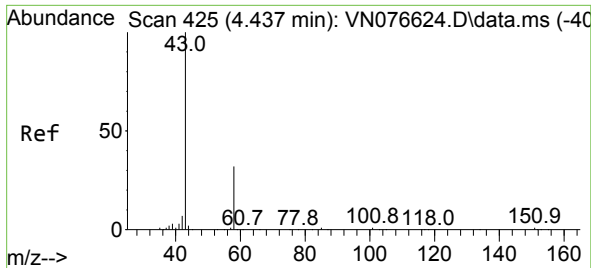
Tgt Ion:168 Resp: 321671
Ion Ratio Lower Upper
168 100
99 59.6 44.8 67.2



#5
Bromomethane
Concen: 0.375 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.024 min
Lab File: VN076638.D
Acq: 13 Feb 2023 19:32

Tgt Ion: 94 Resp: 996
Ion Ratio Lower Upper
94 100
96 41.9 69.0 103.4#

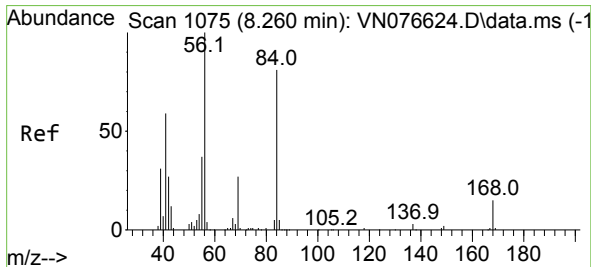
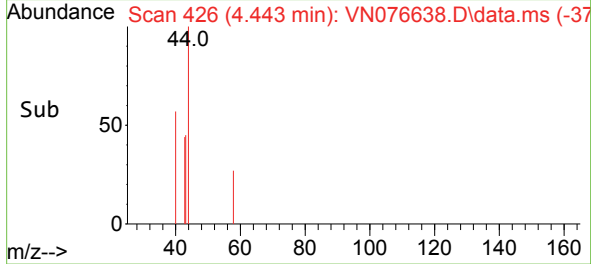
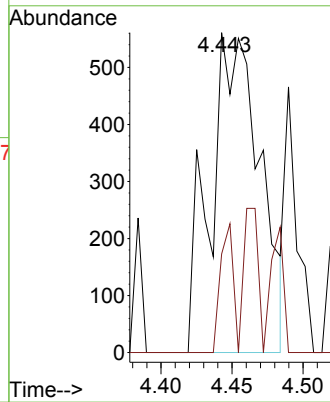
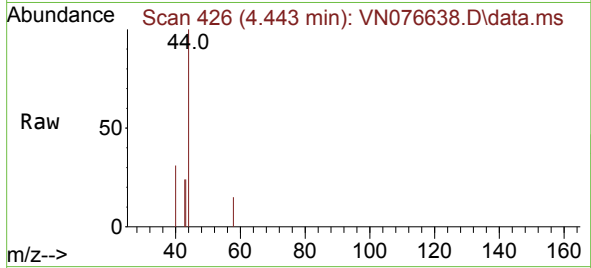




#16
Acetone
Concen: 0.687 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN076638.D
Acq: 13 Feb 2023 19:32

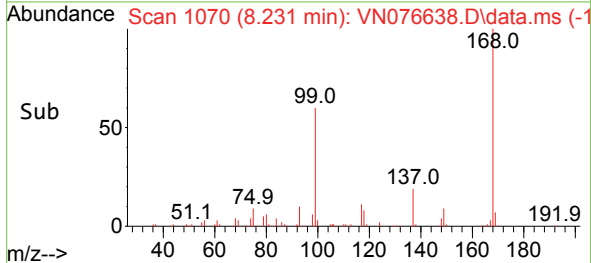
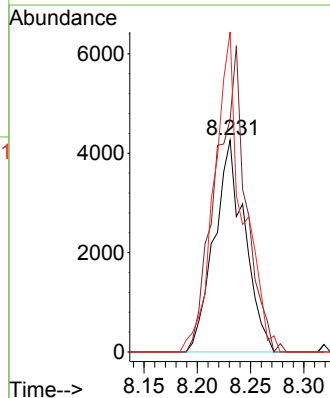
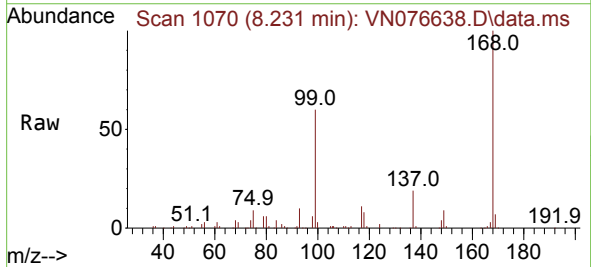
Instrument :
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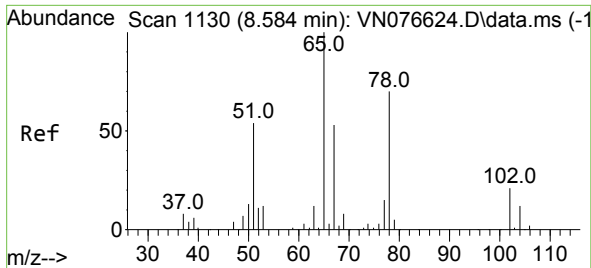
Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
58 30.8 25.9 38.9



#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076638.D
Acq: 13 Feb 2023 19:32

Tgt Ion: 56 Resp: 8485
Ion Ratio Lower Upper
56 100
69 109.8 21.6 32.4#
84 151.1 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 50.221 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076638.D

Acq: 13 Feb 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :

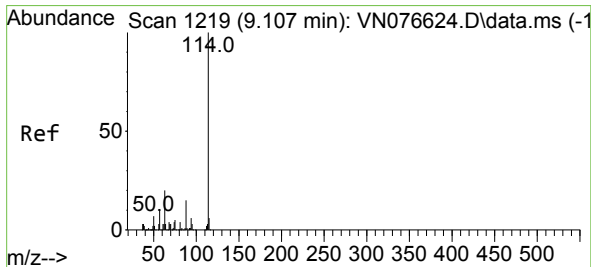
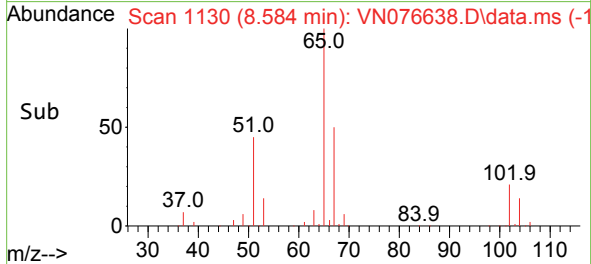
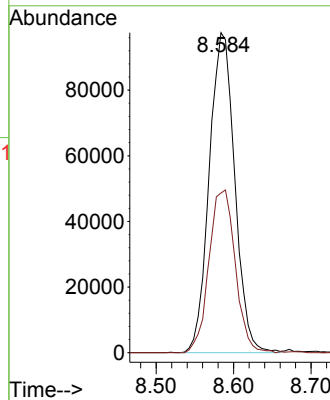
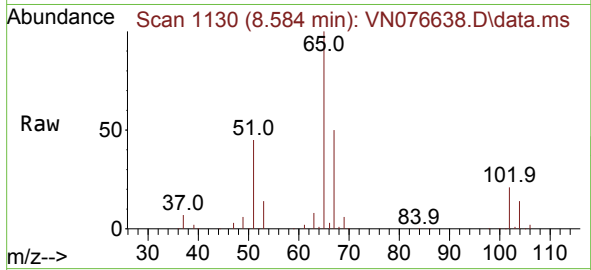
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 223070

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076638.D

Acq: 13 Feb 2023 19:32

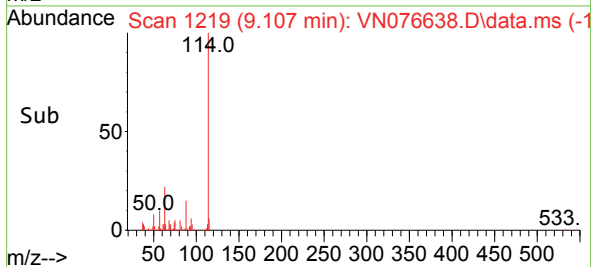
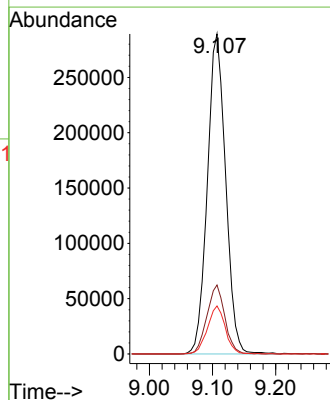
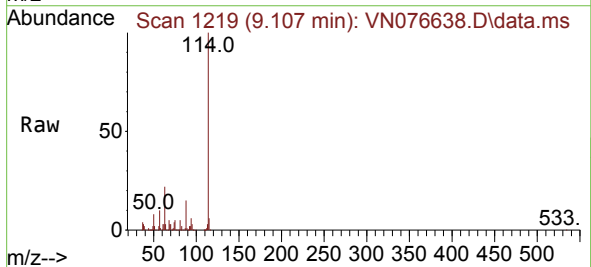
Tgt Ion: 114 Resp: 581440

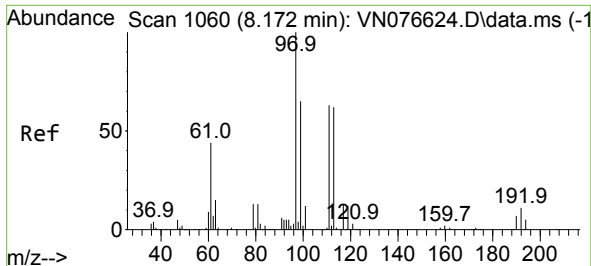
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 15.0 0.0 29.6

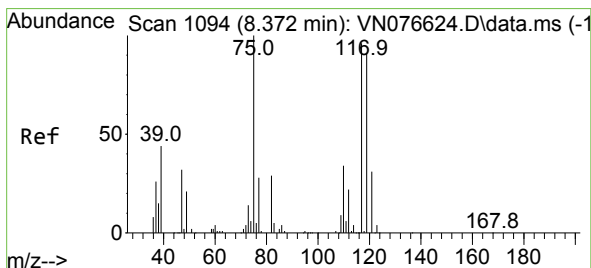
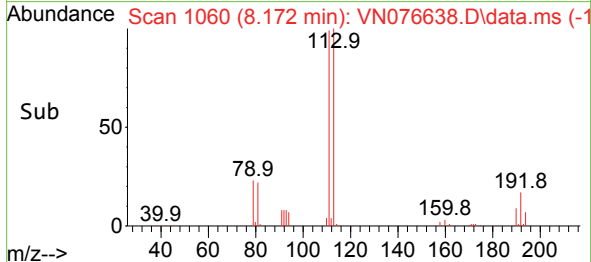
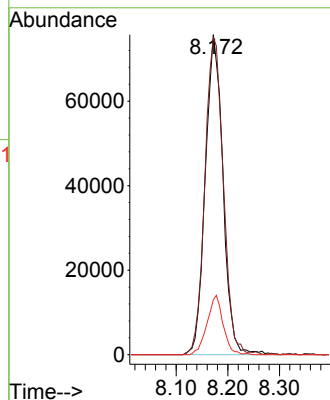
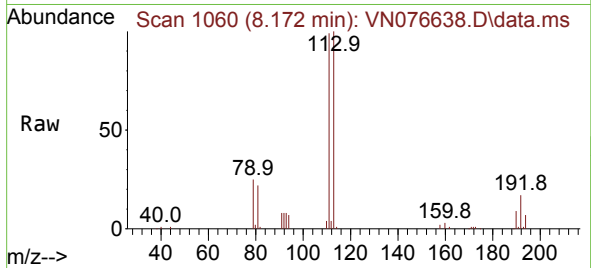




#35
 Dibromofluoromethane
 Concen: 47.273 ug/l
 RT: 8.172 min Scan# 1060
 Delta R.T. 0.000 min
 Lab File: VN076638.D
 Acq: 13 Feb 2023 19:32

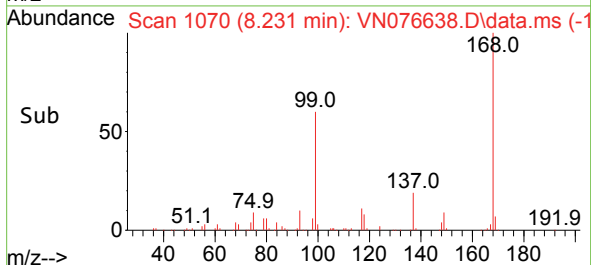
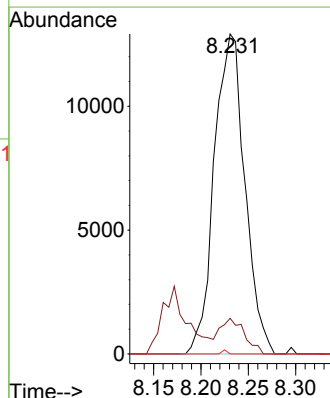
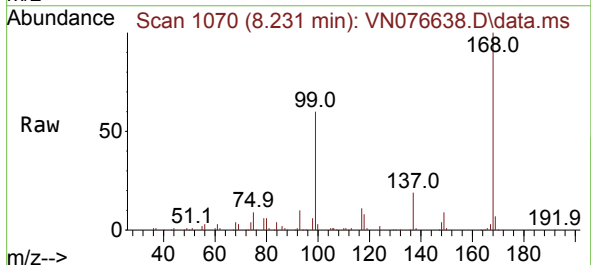
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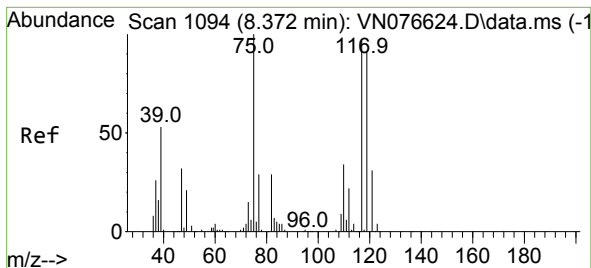
Tgt Ion:113 Resp: 180005
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.1 124.7
 192 16.9 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 5.266 ug/l
 RT: 8.231 min Scan# 1070
 Delta R.T. -0.141 min
 Lab File: VN076638.D
 Acq: 13 Feb 2023 19:32

Tgt Ion: 75 Resp: 28971
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.5 52.5#
 77 0.2 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.128 ug/l

RT: 8.237 min Scan# 1094

Delta R.T. -0.135 min

Lab File: VN076638.D

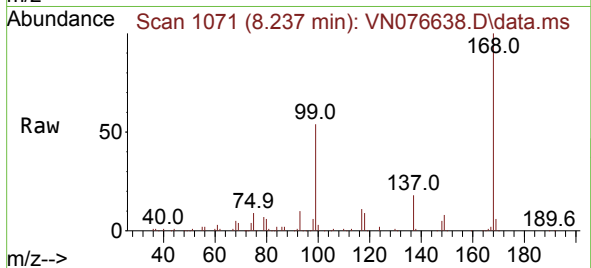
Acq: 13 Feb 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



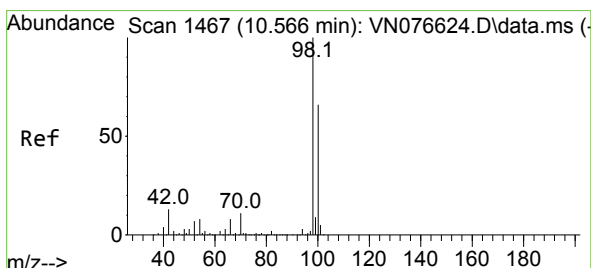
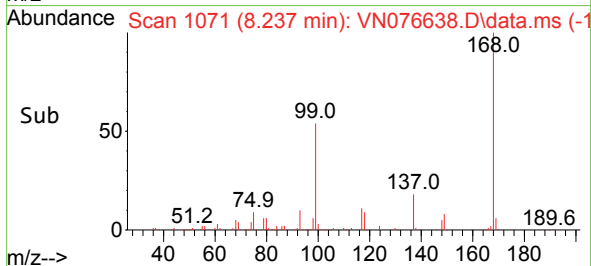
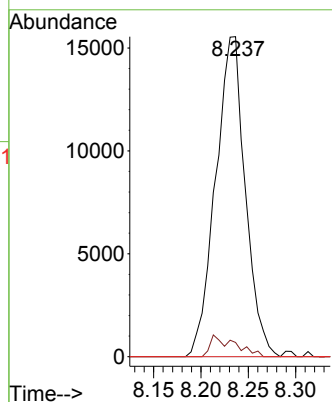
Tgt Ion:117 Resp: 34010

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.0#

121 0.0 26.0 39.0#



#50

Toluene-d8

Concen: 48.254 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. 0.000 min

Lab File: VN076638.D

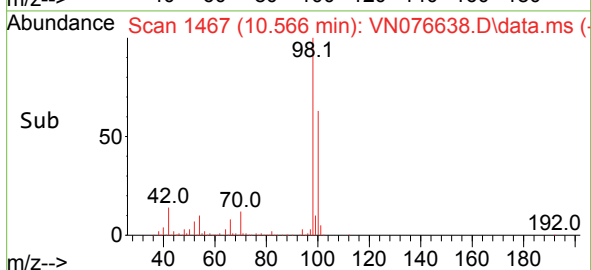
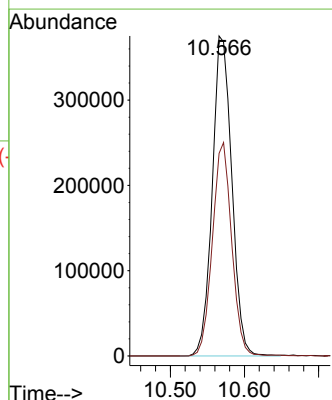
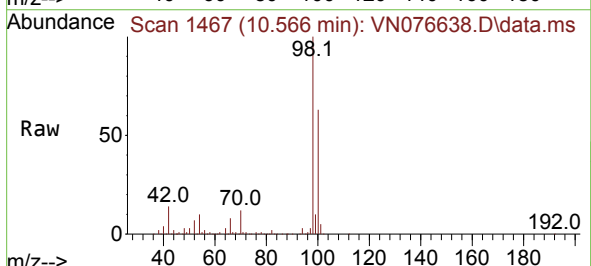
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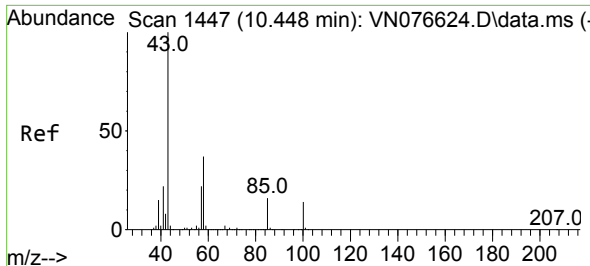
Tgt Ion: 98 Resp: 686176

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.695 ug/l

RT: 10.560 min Scan# 1447

Delta R.T. 0.112 min

Lab File: VN076638.D

Acq: 13 Feb 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :

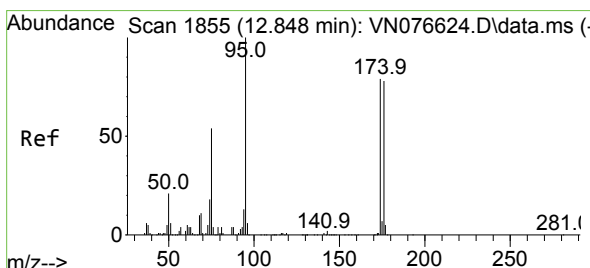
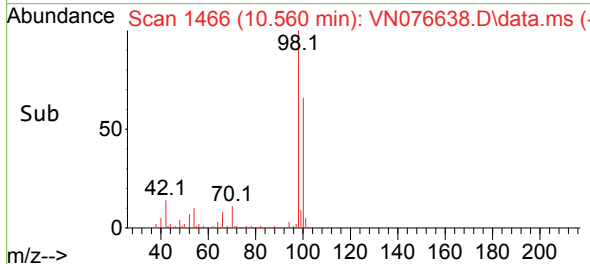
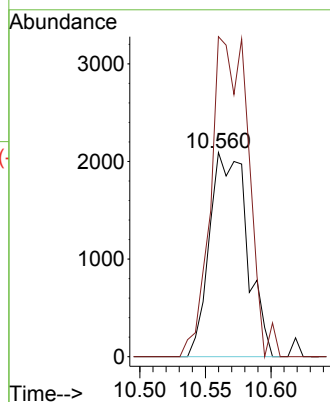
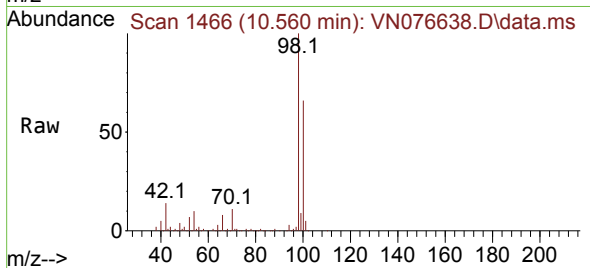
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 4167

Ion Ratio Lower Upper

43 100

58 156.0 29.5 44.3#



#62

4-Bromofluorobenzene

Concen: 46.514 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VN076638.D

Acq: 13 Feb 2023 19:32

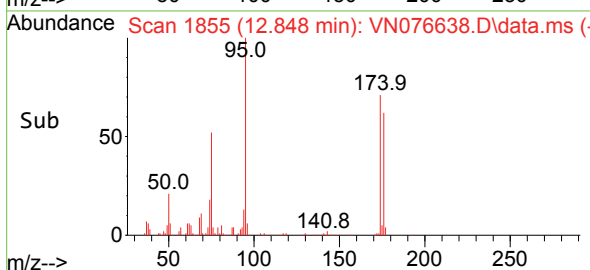
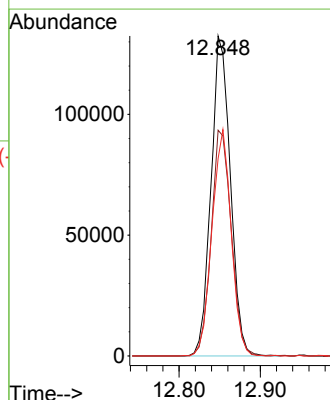
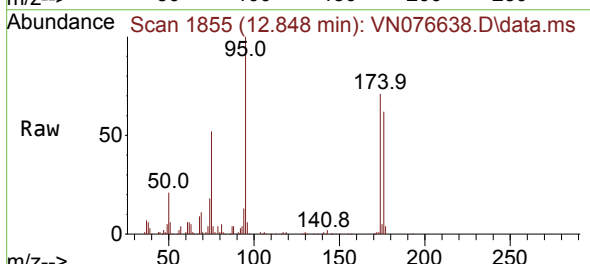
Tgt Ion: 95 Resp: 219073

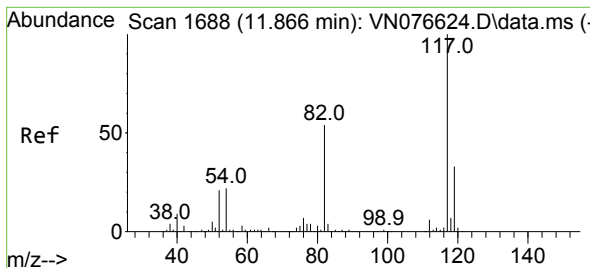
Ion Ratio Lower Upper

95 100

174 73.1 0.0 169.2

176 70.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076638.D

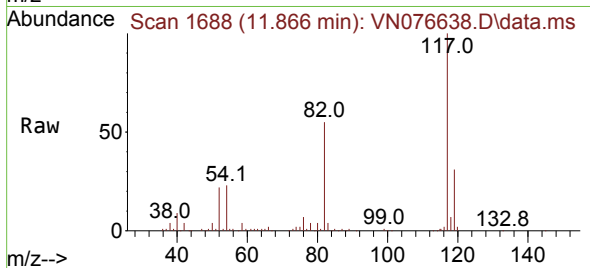
Acq: 13 Feb 2023 19:32

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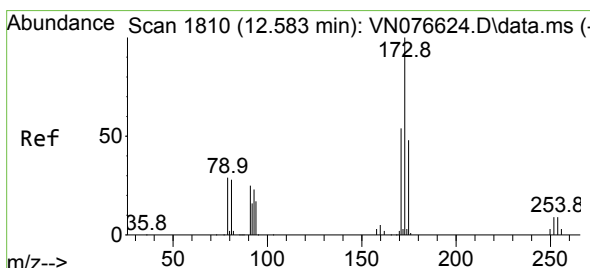
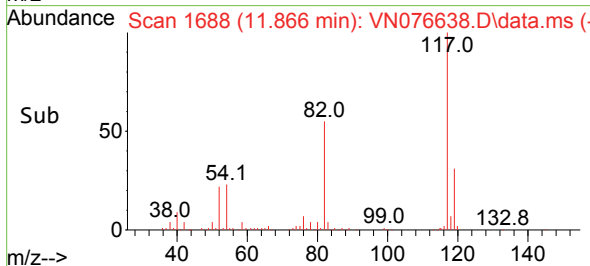
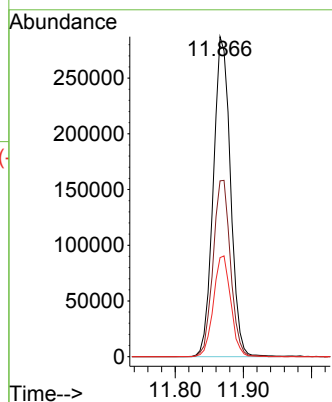
Tgt Ion:117 Resp: 503822

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.2

119 30.9 26.1 39.1



#71

Bromoform

Concen: 0.875 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.271 min

Lab File: VN076638.D

Acq: 13 Feb 2023 19:32

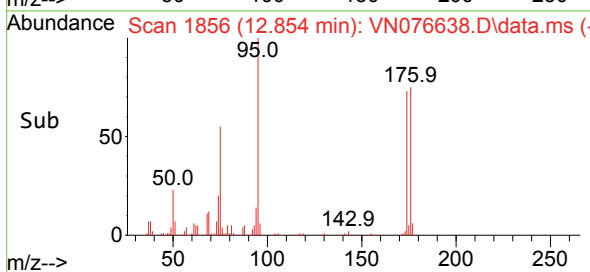
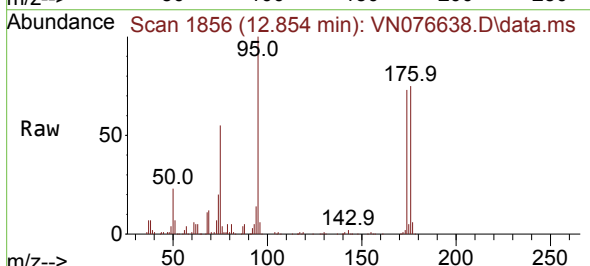
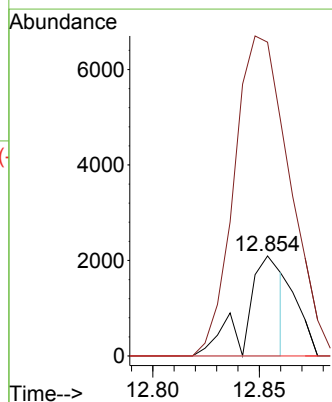
Tgt Ion:173 Resp: 2488

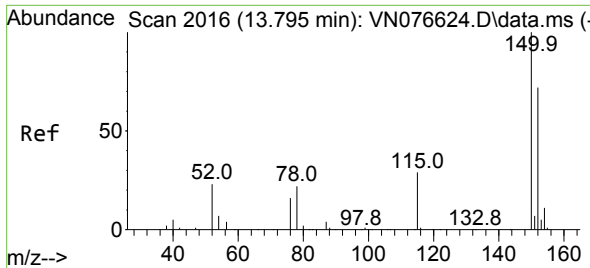
Ion Ratio Lower Upper

173 100

175 398.6 24.9 74.7#

254 0.0 0.1 0.1#

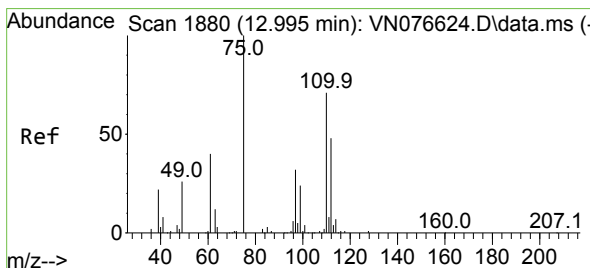
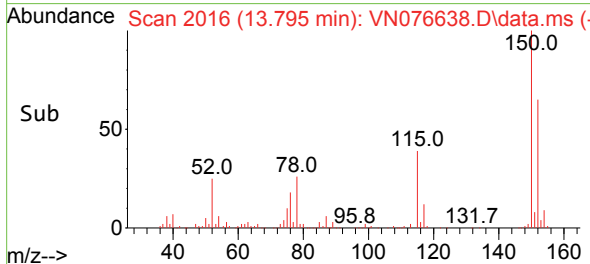
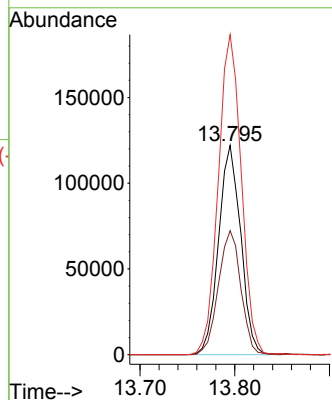
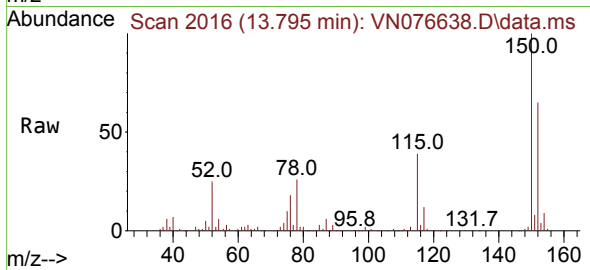




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN076638.D
Acq: 13 Feb 2023 19:32

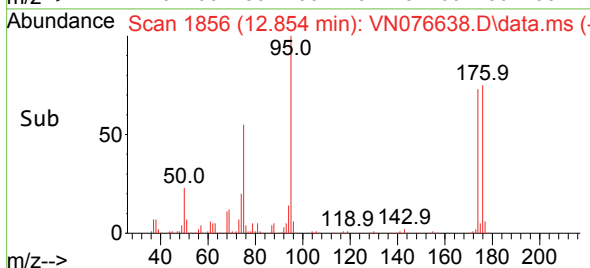
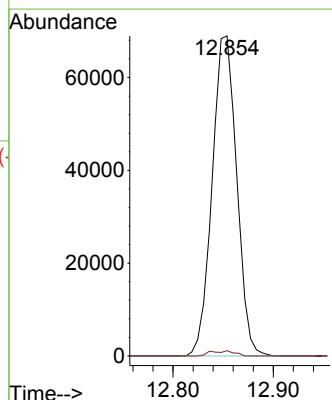
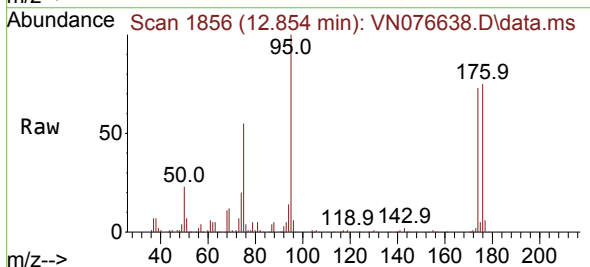
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

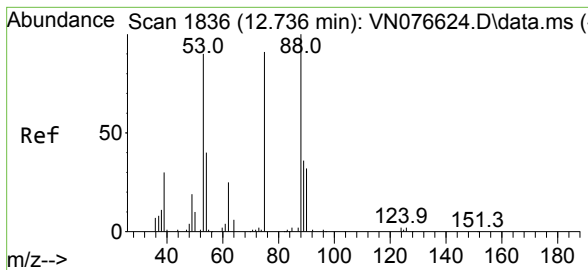
Tgt Ion:152 Resp: 198487
Ion Ratio Lower Upper
152 100
115 60.0 29.3 87.9
150 158.8 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 29.226 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076638.D
Acq: 13 Feb 2023 19:32

Tgt Ion: 75 Resp: 117281
Ion Ratio Lower Upper
75 100
77 0.8 93.1 279.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.124 ug/l
 RT: 12.854 min Scan# 117281
 Delta R.T. 0.118 min
 Lab File: VN076638.D
 Acq: 13 Feb 2023 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 117281
 Ion Ratio Lower Upper
 75 100
 53 0.2 92.1 138.1#
 89 0.0 37.5 56.3#

