

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076514.D
 Acq On : 02 Feb 2023 16:51
 Operator : JC\MD
 Sample : 01390-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STOCKPILE-2

Quant Time: Feb 03 01:02:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

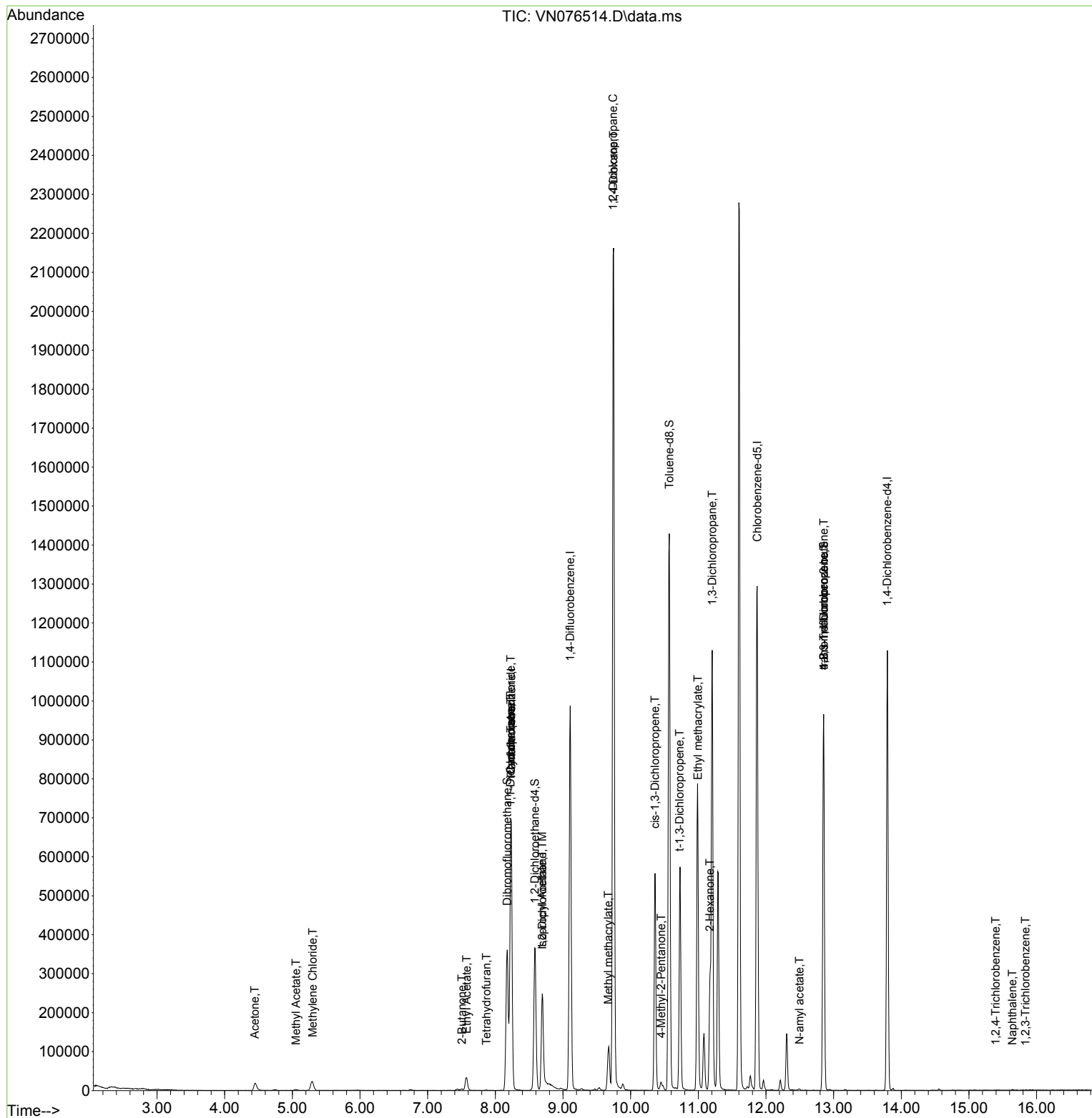
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	521596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	874864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	802137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	306539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	318833	54.593	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.180%	
35) Dibromofluoromethane	8.177	113	263451	48.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.280%	
50) Toluene-d8	10.571	98	1038076	51.362	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.720%	
62) 4-Bromofluorobenzene	12.853	95	345352	52.342	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.680%	
Target Compounds						Qvalue
16) Acetone	4.448	43	37921	20.187	ug/l	98
18) Methyl Acetate	5.053	43	4666	0.735	ug/l #	73
20) Methylene Chloride	5.300	84	19470	2.948	ug/l	96
25) 2-Butanone	7.506	43	5608	1.961	ug/l	98
29) Tetrahydrofuran	7.871	42	777	0.440	ug/l #	43
31) Cyclohexane	8.230	56	10769	1.200	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	39785	5.116	ug/l #	48
37) Ethyl Acetate	7.577	43	51575	8.299	ug/l	97
38) Carbon Tetrachloride	8.230	117	54386	6.271	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1809	0.227	ug/l #	73
43) Isopropyl Acetate	8.694	43	283404	27.930	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	2836	0.509	ug/l #	42
48) Methyl methacrylate	9.671	41	6506	1.354	ug/l #	34
49) 1,4-Dioxane	9.747	88	279	2.752	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	21414	3.595	ug/l #	74
53) t-1,3-Dichloropropene	10.724	75	1721	0.221	ug/l #	55
54) cis-1,3-Dichloropropene	10.359	75	108167	12.098	ug/l #	61
56) Ethyl methacrylate	10.994	69	2980	0.388	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12712	1.316	ug/l #	42
59) 2-Hexanone	11.171	43	218155	50.539	ug/l #	21
74) N-amyl acetate	12.494	43	2619	0.384	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	174602	30.904	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	174602	94.770	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	329	1.365	ug/l #	40
95) Naphthalene	15.641	128	1690	1.941	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.835	180	136	1.180	ug/l #	52

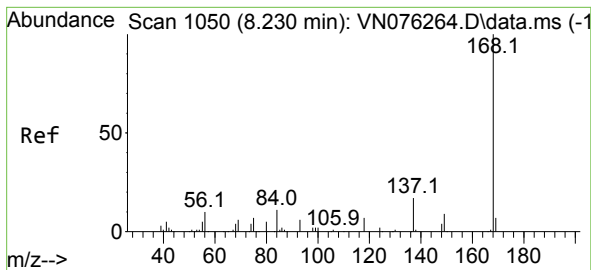
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076514.D

Acq: 02 Feb 2023 16:51

Instrument :

MSVOA_N

ClientSampleId :

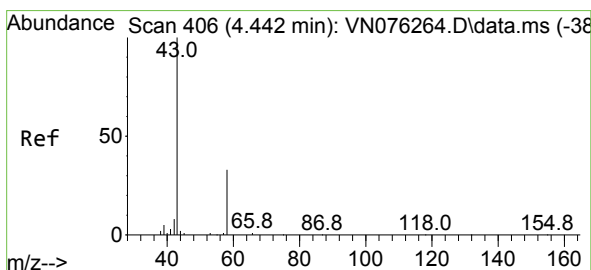
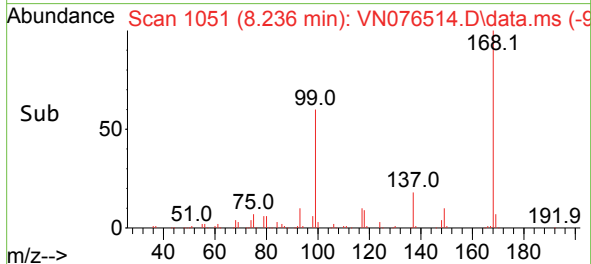
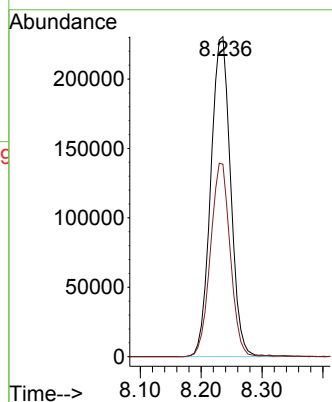
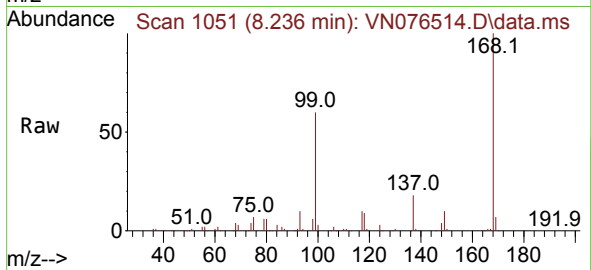
STOCKPILE-2

Tgt Ion:168 Resp: 521596

Ion Ratio Lower Upper

168 100

99 60.1 41.6 62.4



#16

Acetone

Concen: 20.187 ug/l

RT: 4.448 min Scan# 407

Delta R.T. 0.006 min

Lab File: VN076514.D

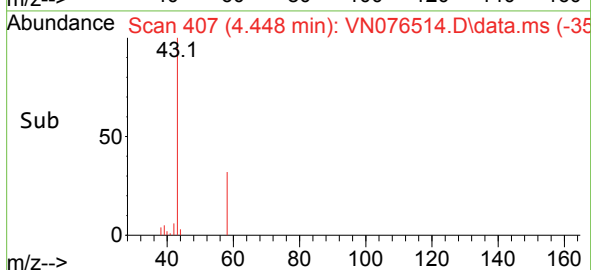
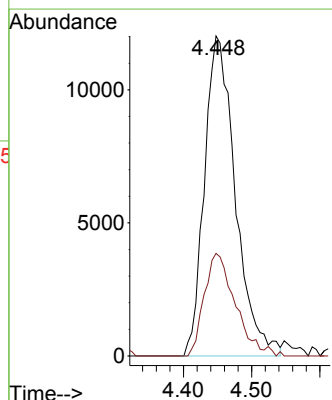
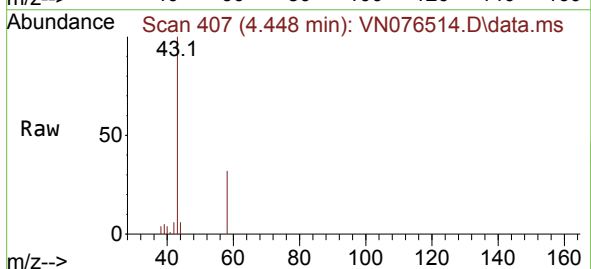
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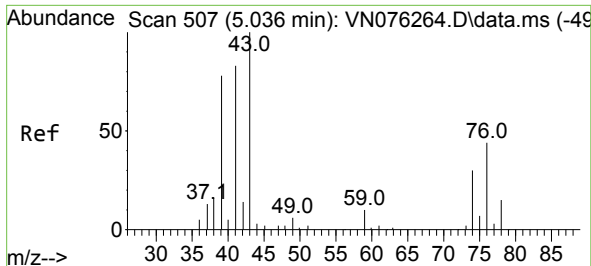
Tgt Ion: 43 Resp: 37921

Ion Ratio Lower Upper

43 100

58 32.1 26.7 40.1

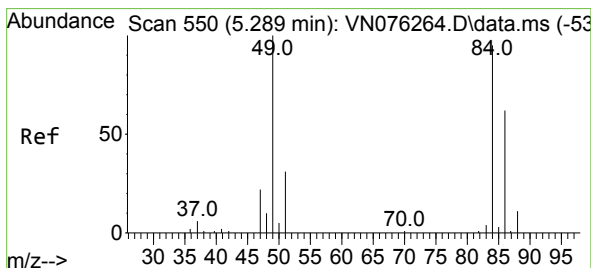
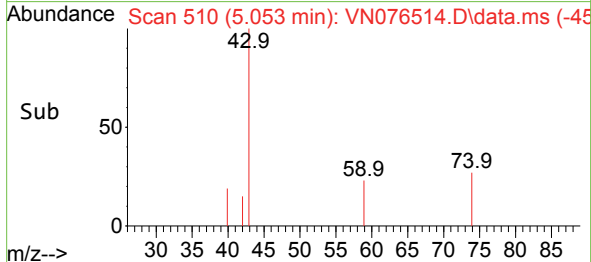
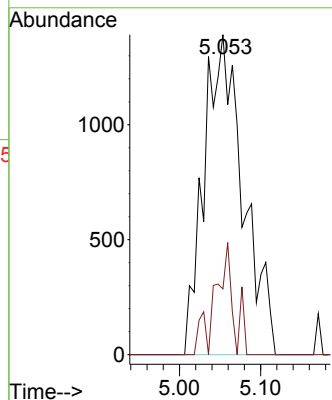
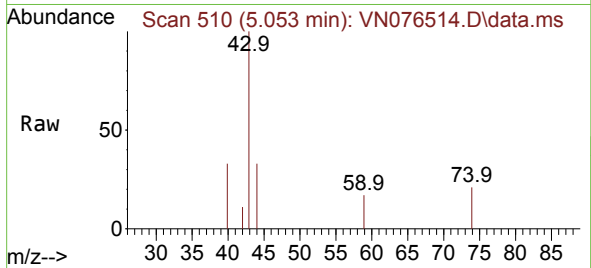




#18
Methyl Acetate
Concen: 0.735 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

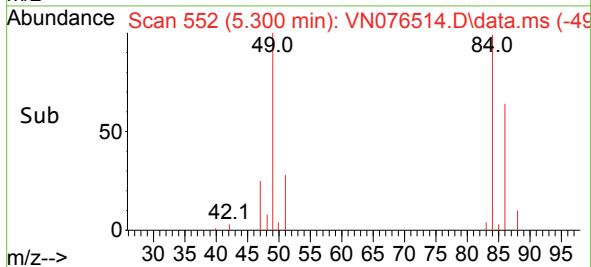
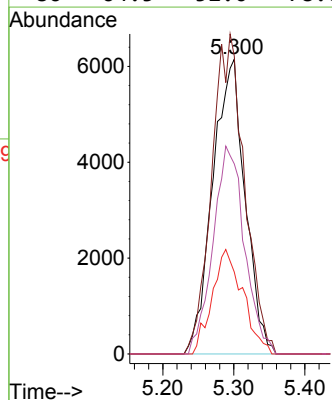
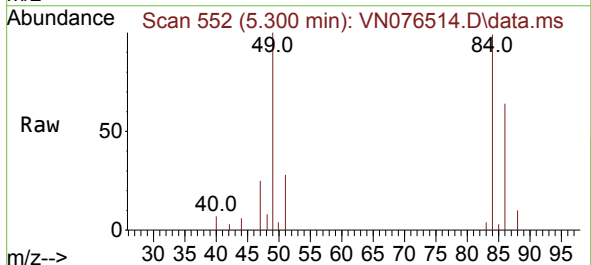
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

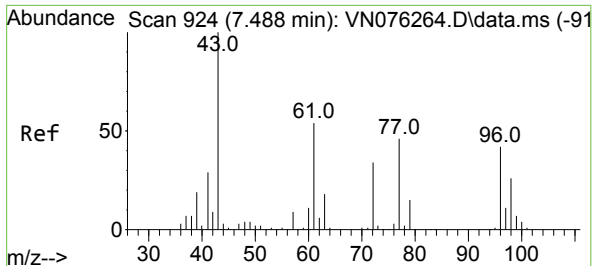
Tgt Ion: 43 Resp: 4666
Ion Ratio Lower Upper
43 100
74 14.4 23.3 34.9#



#20
Methylene Chloride
Concen: 2.948 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.011 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 84 Resp: 19470
Ion Ratio Lower Upper
84 100
49 101.1 84.5 126.7
51 27.8 26.0 39.0
86 64.5 52.0 78.0





#25

2-Butanone

Concen: 1.961 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076514.D

Acq: 02 Feb 2023 16:51

Instrument :

MSVOA_N

ClientSampleId :

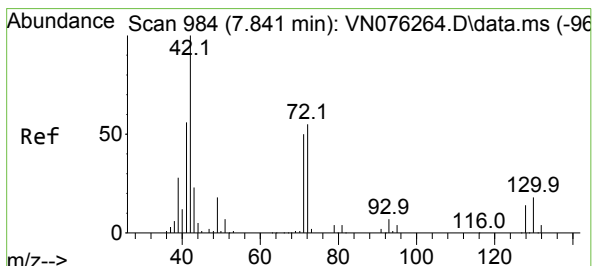
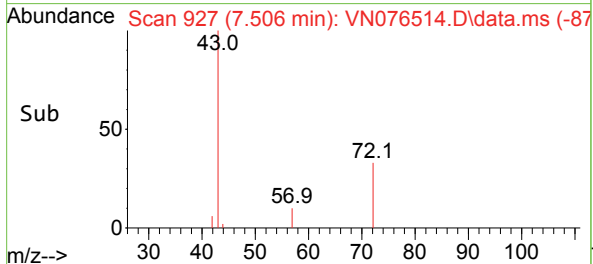
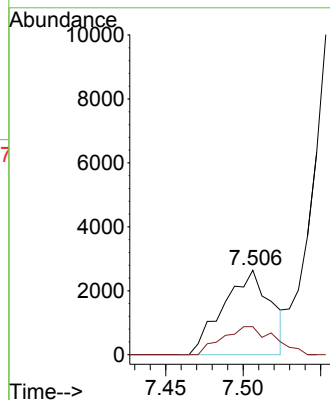
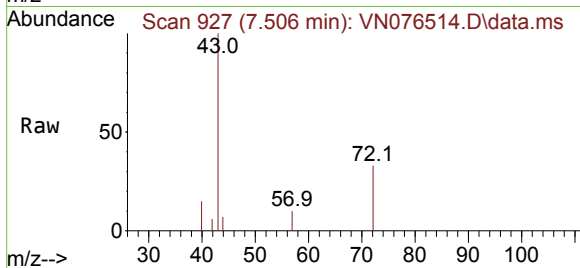
STOCKPILE-2

Tgt Ion: 43 Resp: 5608

Ion Ratio Lower Upper

43 100

72 33.2 27.4 41.2



#29

Tetrahydrofuran

Concen: 0.440 ug/l

RT: 7.871 min Scan# 989

Delta R.T. 0.030 min

Lab File: VN076514.D

Acq: 02 Feb 2023 16:51

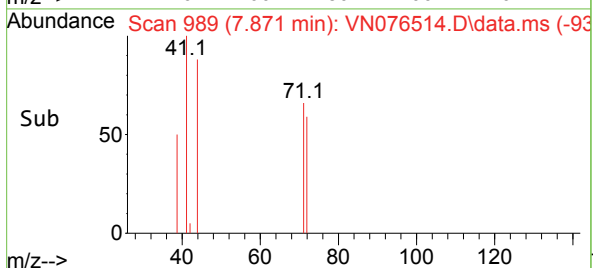
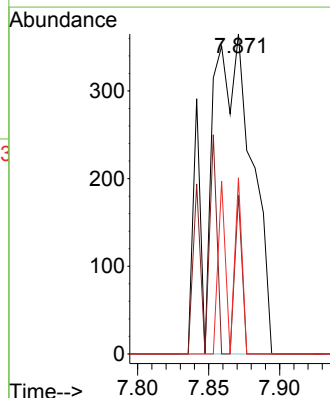
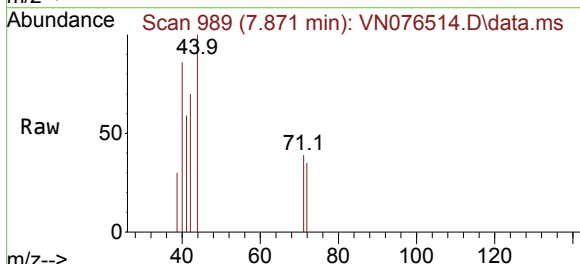
Tgt Ion: 42 Resp: 777

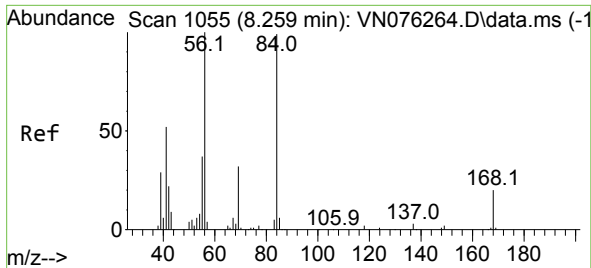
Ion Ratio Lower Upper

42 100

72 8.2 44.0 66.0#

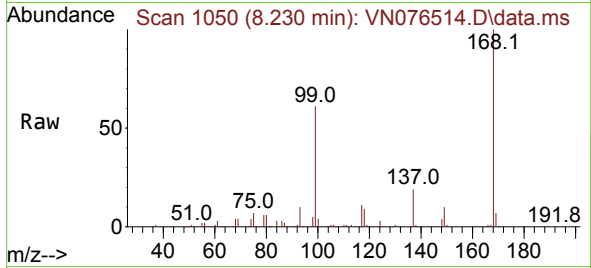
71 18.0 41.1 61.7#



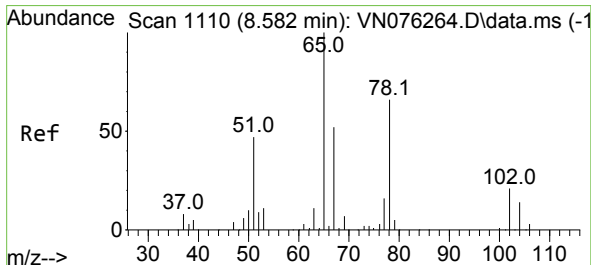
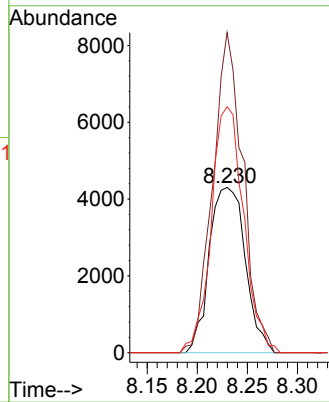
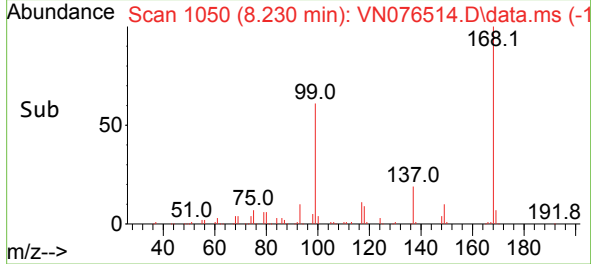


#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

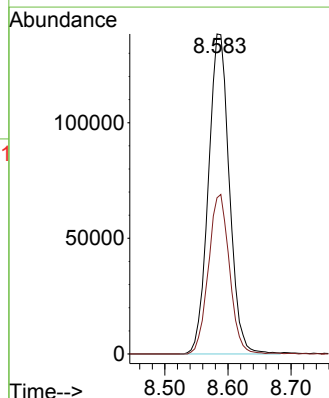
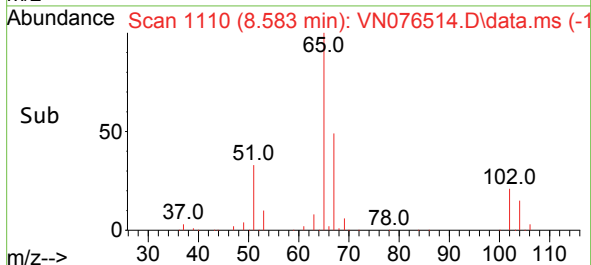
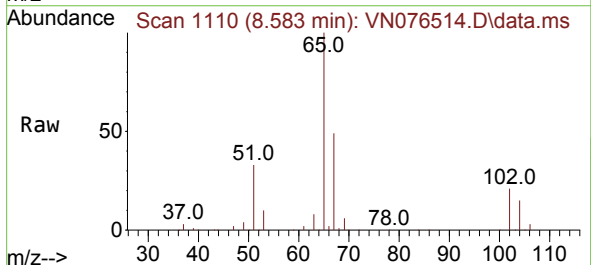


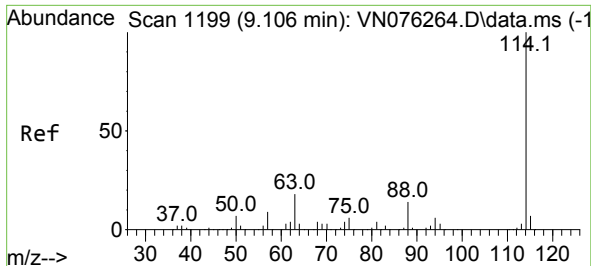
Tgt Ion: 56 Resp: 10769
Ion Ratio Lower Upper
56 100
69 193.6 25.8 38.8#
84 148.8 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 54.593 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 65 Resp: 318833
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.6

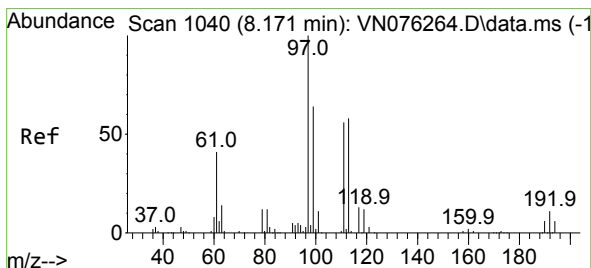
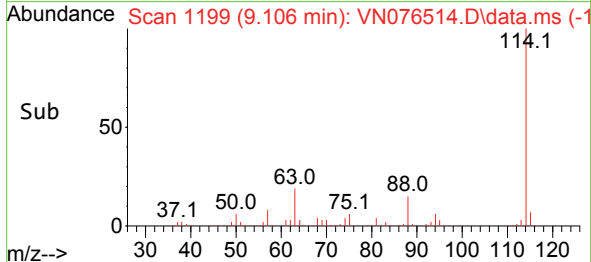
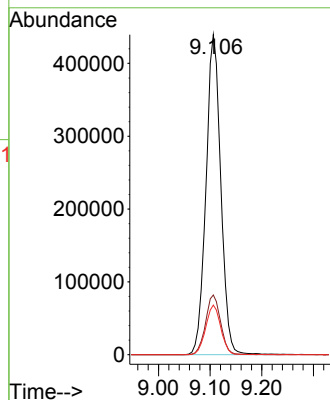
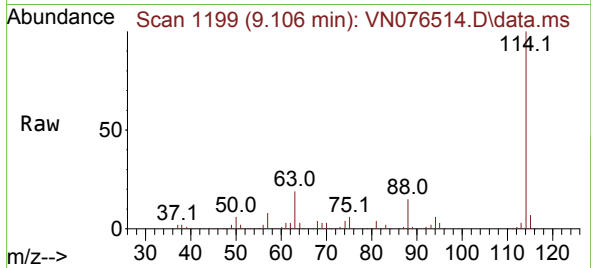




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

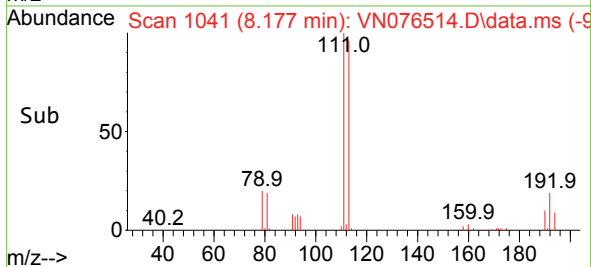
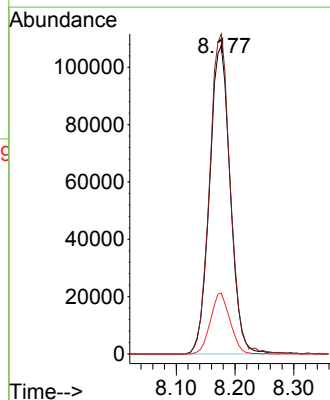
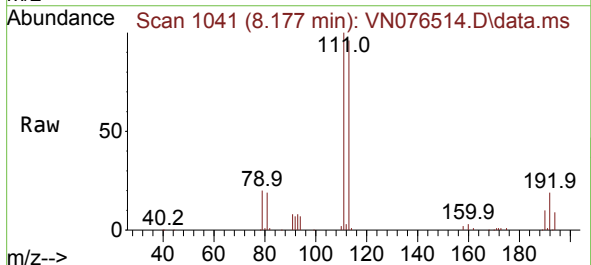
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ClientSampleId :
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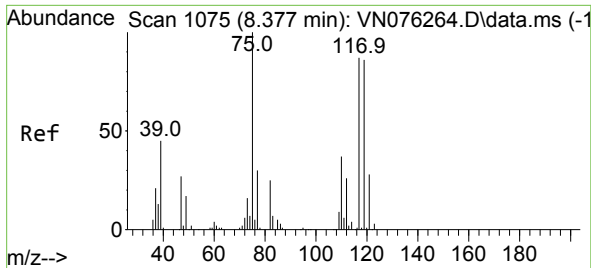
Tgt Ion:114 Resp: 874864
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.8
88 15.5 0.0 28.0



#35
Dibromofluoromethane
Concen: 48.140 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion:113 Resp: 263451
Ion Ratio Lower Upper
113 100
111 103.8 82.7 124.1
192 18.7 15.6 23.4

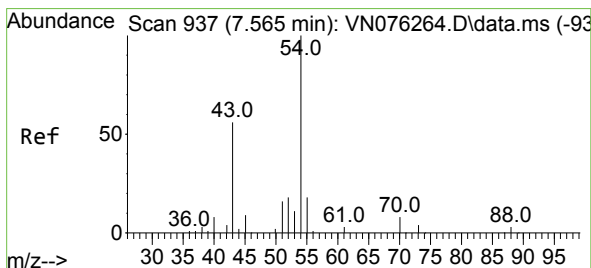
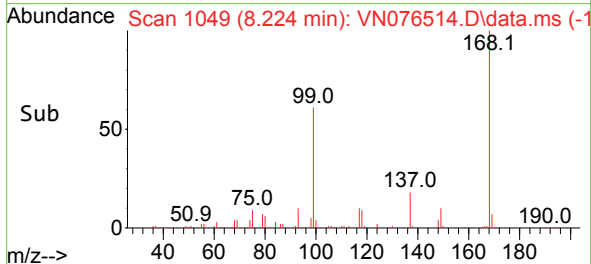
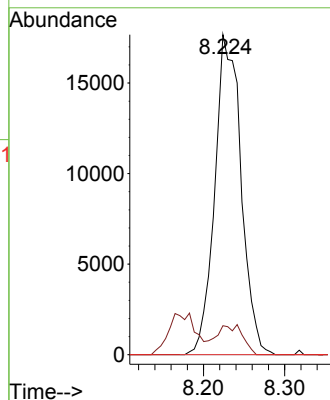
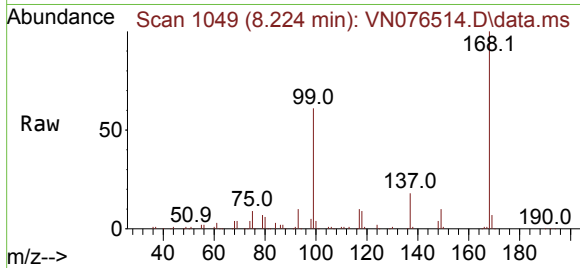




#36
1,1-Dichloropropene
Concen: 5.116 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

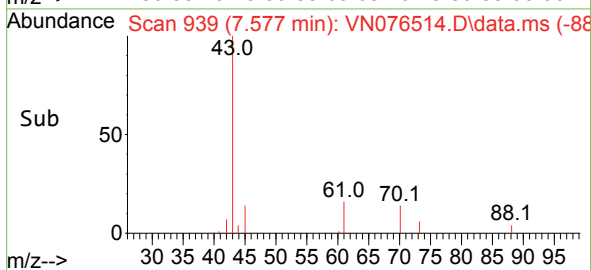
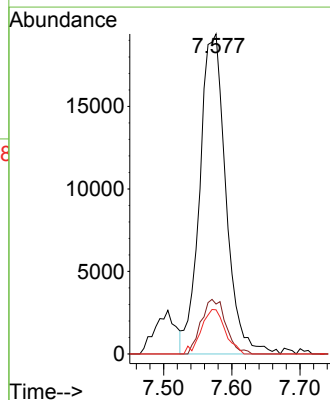
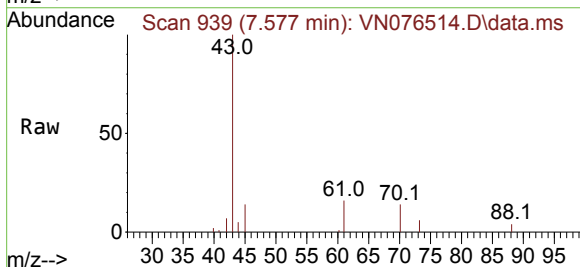
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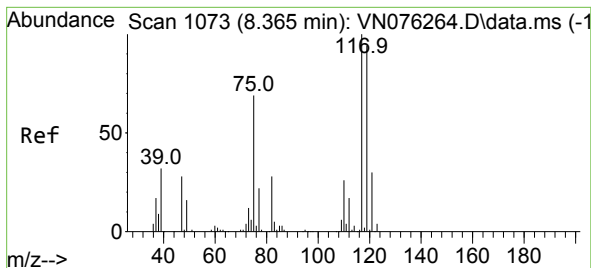
Tgt Ion: 75 Resp: 39785
Ion Ratio Lower Upper
75 100
110 9.0 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.299 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 43 Resp: 51575
Ion Ratio Lower Upper
43 100
61 16.2 11.1 16.7
70 12.7 10.0 15.0





#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN076514.D

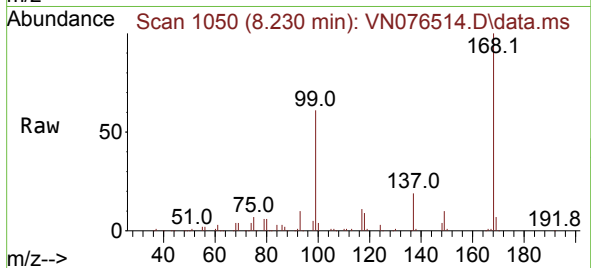
Acq: 02 Feb 2023 16:51

Instrument :

MSVOA_N

ClientSampleId :

STOCKPILE-2



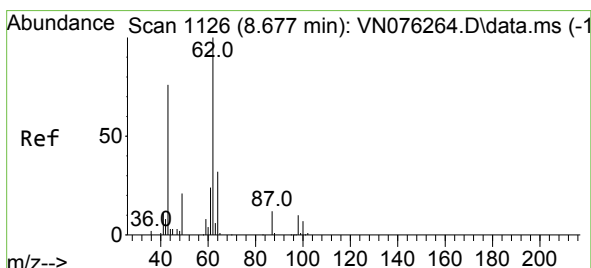
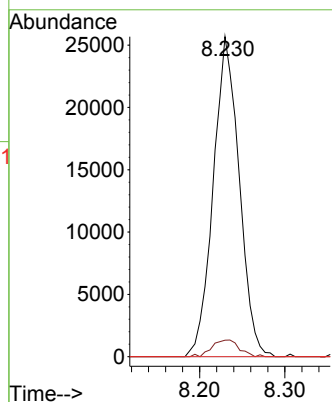
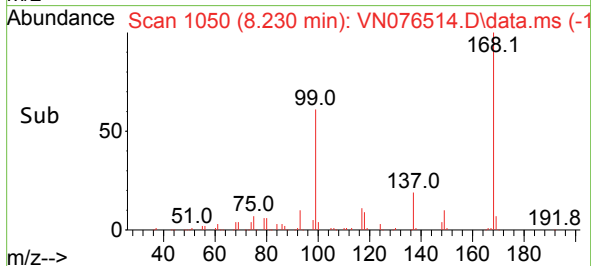
Tgt Ion:117 Resp: 54386

Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.0#

121 0.0 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 0.227 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN076514.D

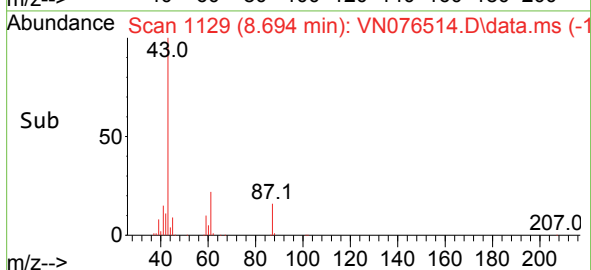
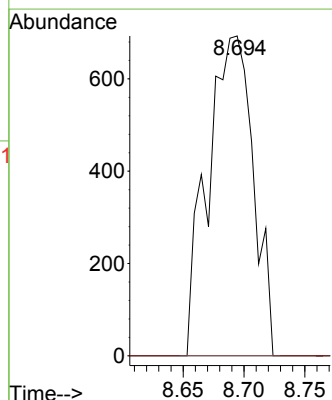
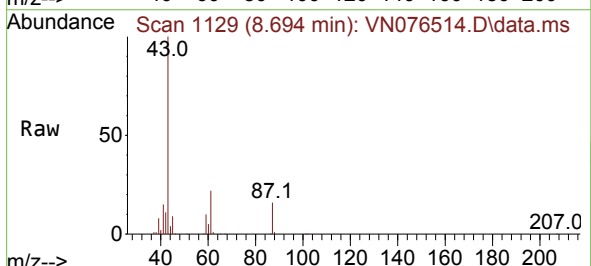
Acq: 02 Feb 2023 16:51

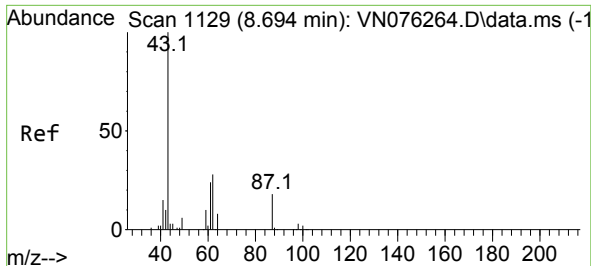
Tgt Ion: 62 Resp: 1809

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

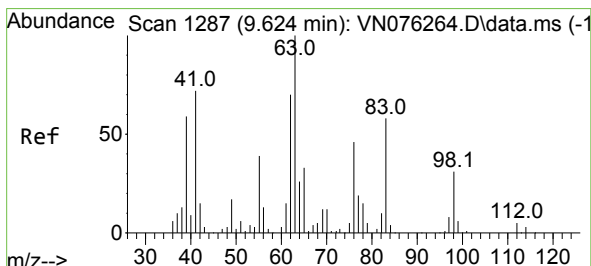
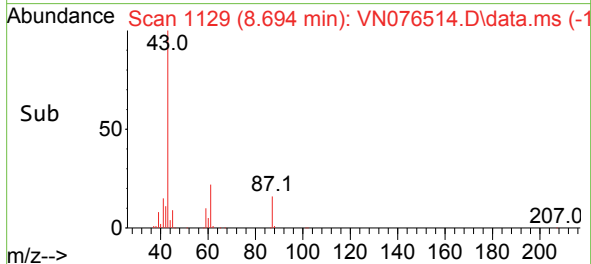
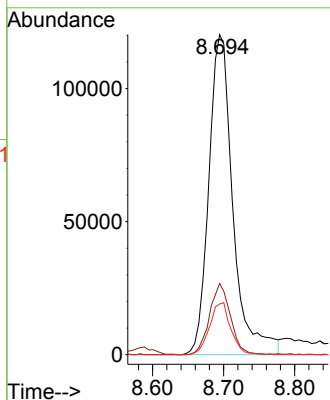
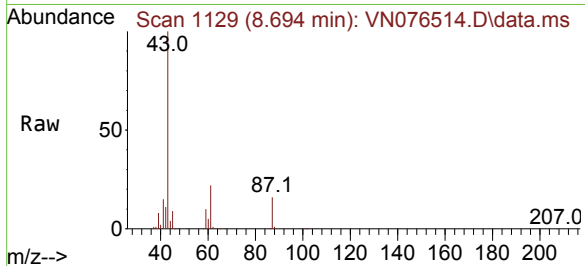




#43
Isopropyl Acetate
Concen: 27.930 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

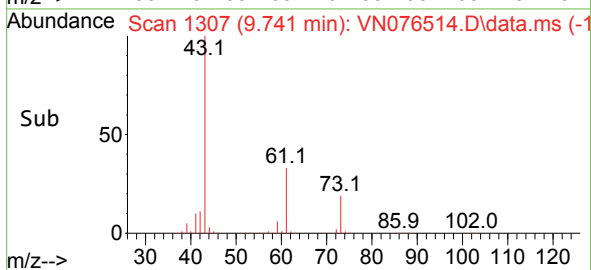
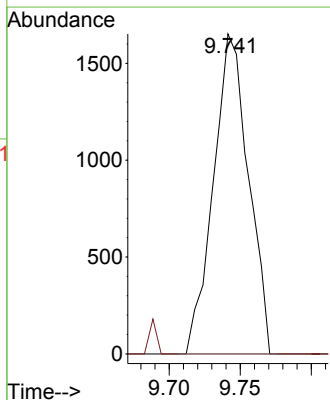
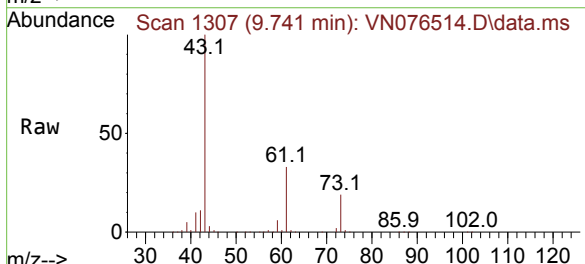
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

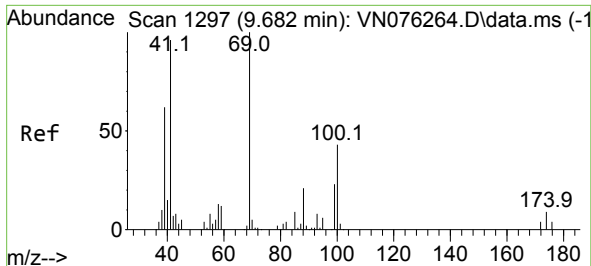
Tgt Ion: 43 Resp: 283404
Ion Ratio Lower Upper
43 100
61 19.3 23.5 35.3#
87 14.3 13.8 20.6



#45
1,2-Dichloropropane
Concen: 0.509 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 63 Resp: 2836
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

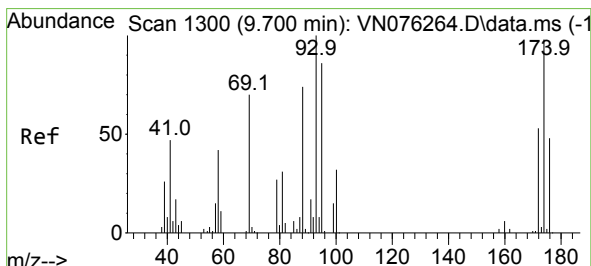
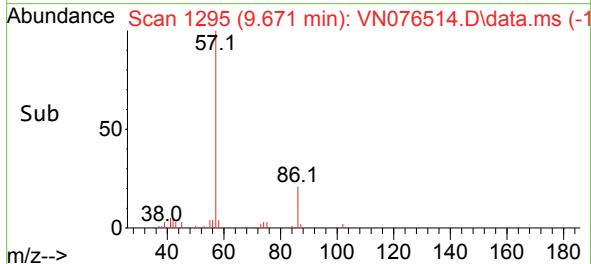
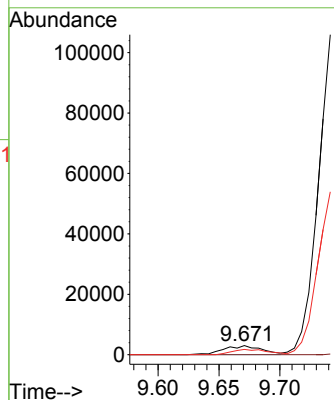
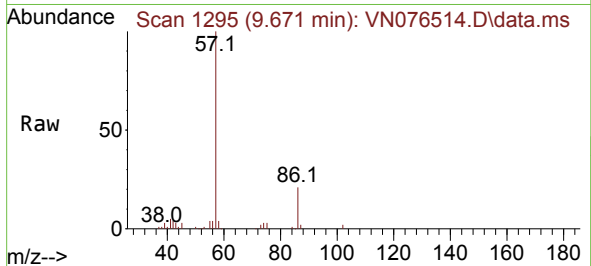




#48
Methyl methacrylate
Concen: 1.354 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

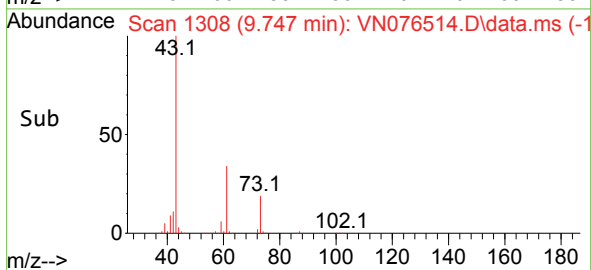
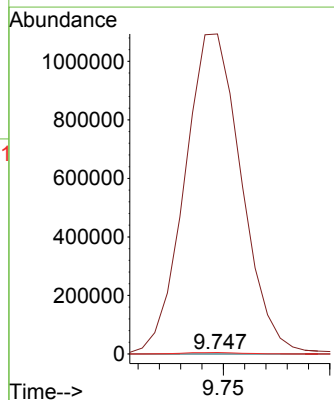
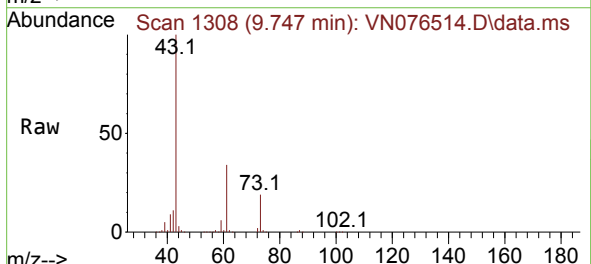
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

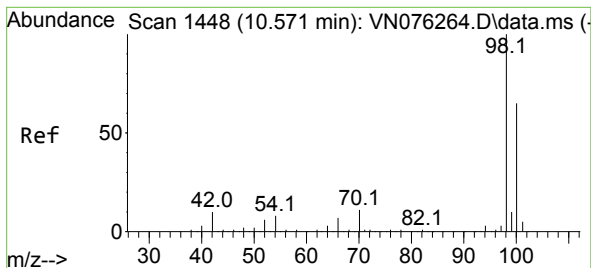
Tgt Ion: 41 Resp: 6506
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 55.7 54.4 81.6



#49
1,4-Dioxane
Concen: 2.752 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 88 Resp: 279
Ion Ratio Lower Upper
88 100
43 733451.6 18.1 27.1#
58 3294.3 46.5 69.7#

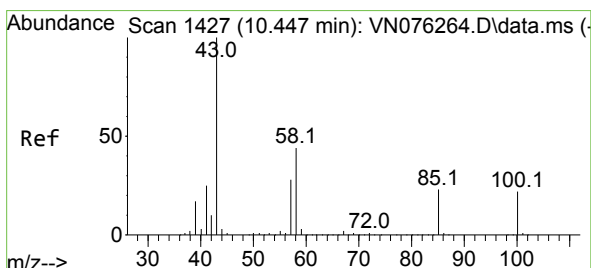
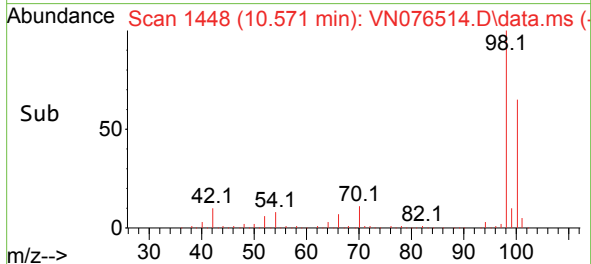
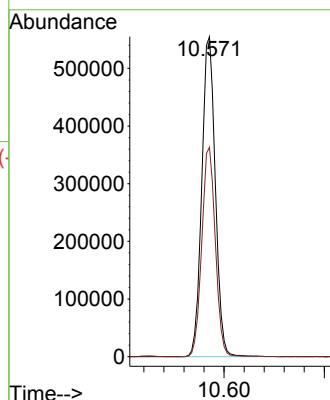
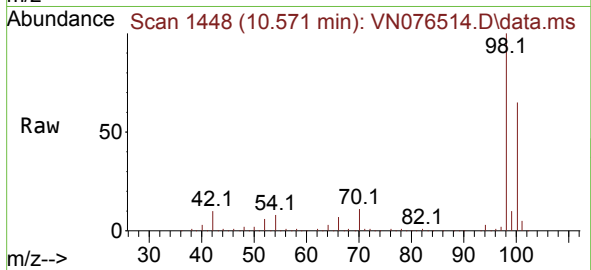




#50
Toluene-d8
Concen: 51.362 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

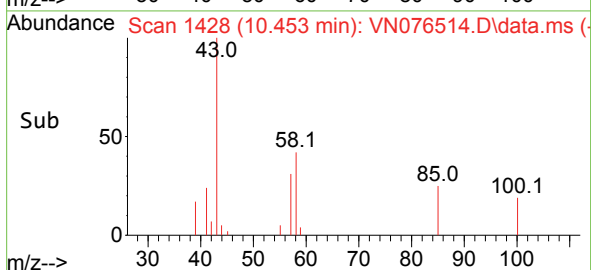
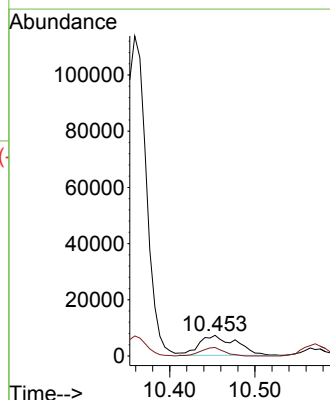
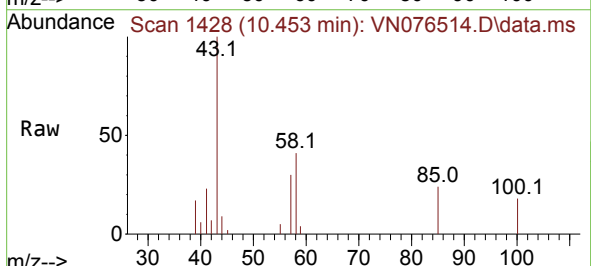
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

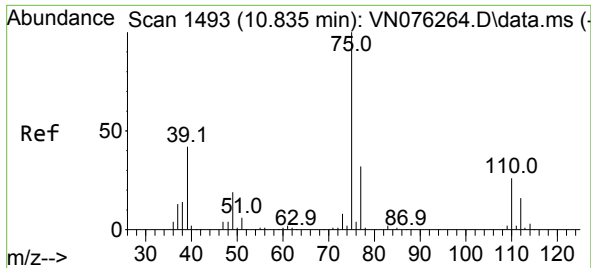
Tgt Ion: 98 Resp: 1038076
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.595 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 43 Resp: 21414
Ion Ratio Lower Upper
43 100
58 27.0 35.1 52.7#

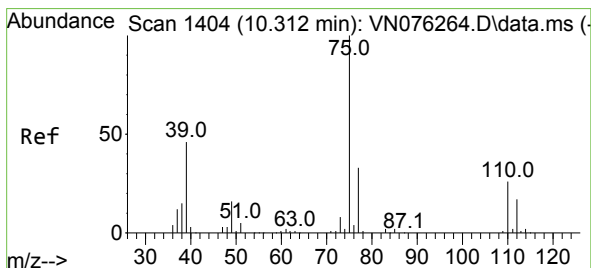
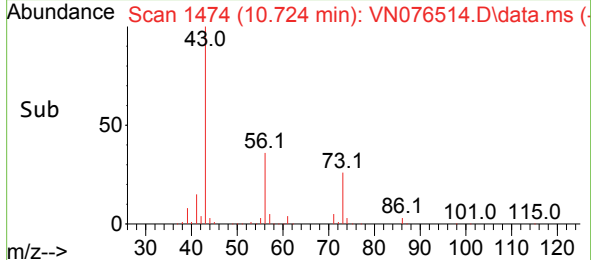
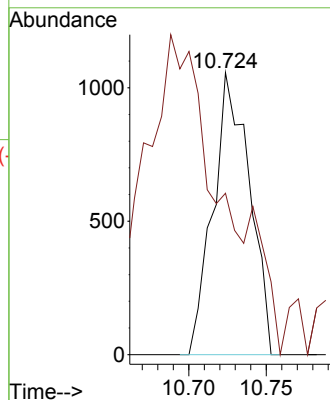
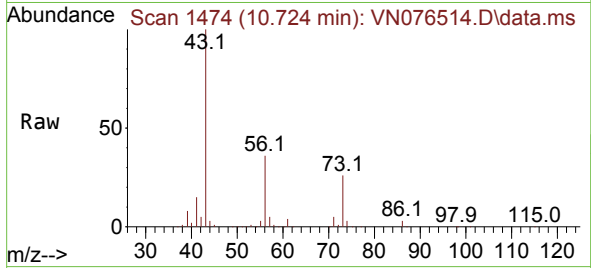




#53
 t-1,3-Dichloropropene
 Concen: 0.221 ug/l
 RT: 10.724 min Scan# 1412
 Delta R.T. -0.111 min
 Lab File: VN076514.D
 Acq: 02 Feb 2023 16:51

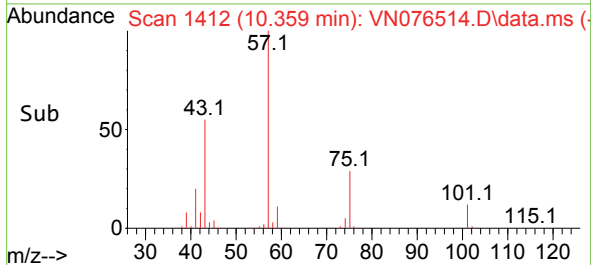
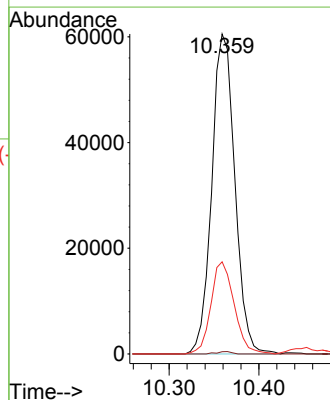
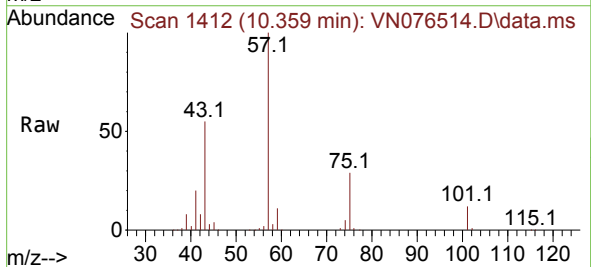
Instrument :
 MSVOA_N
 ClientSampleId :
 STOCKPILE-2

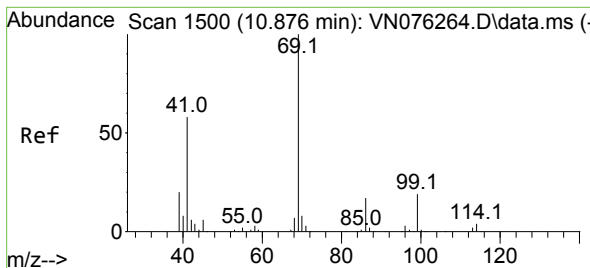
Tgt Ion: 75 Resp: 1721
 Ion Ratio Lower Upper
 75 100
 77 57.2 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 12.098 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076514.D
 Acq: 02 Feb 2023 16:51

Tgt Ion: 75 Resp: 108167
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.5 39.7#
 39 28.8 37.1 55.7#





#56

Ethyl methacrylate

Concen: 0.388 ug/l

RT: 10.994 min Scan# 1520

Delta R.T. 0.118 min

Lab File: VN076514.D

Acq: 02 Feb 2023 16:51

Instrument :

MSVOA_N

ClientSampleId :

STOCKPILE-2

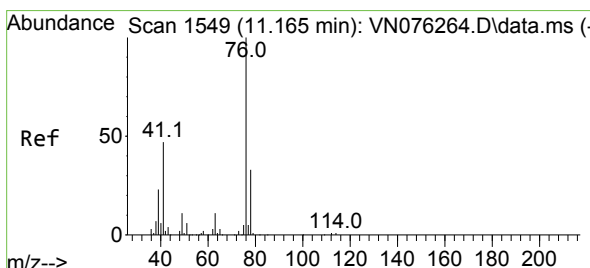
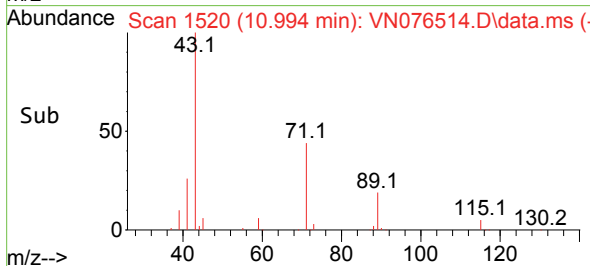
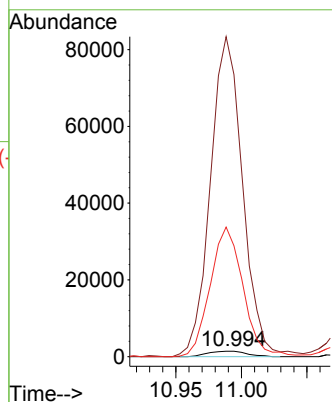
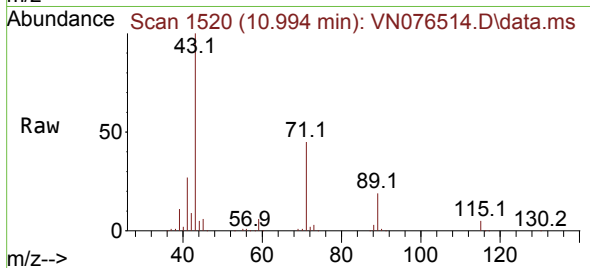
Tgt Ion: 69 Resp: 2980

Ion Ratio Lower Upper

69 100

41 4793.9 45.3 67.9#

39 1972.0 29.3 43.9#



#57

1,3-Dichloropropane

Concen: 1.316 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076514.D

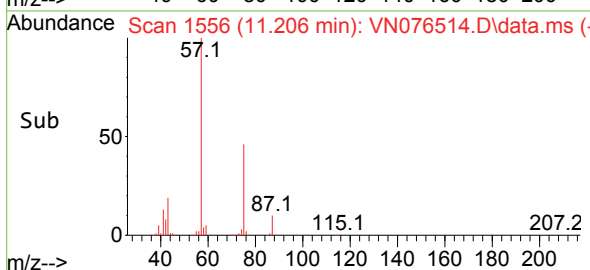
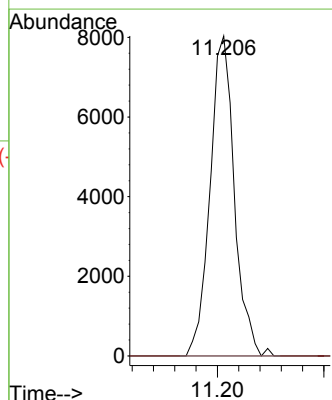
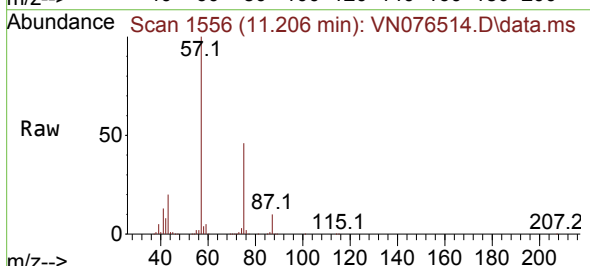
Acq: 02 Feb 2023 16:51

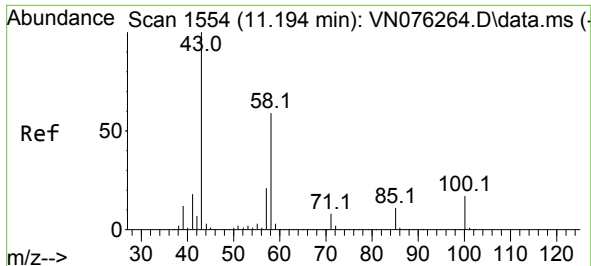
Tgt Ion: 76 Resp: 12712

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#

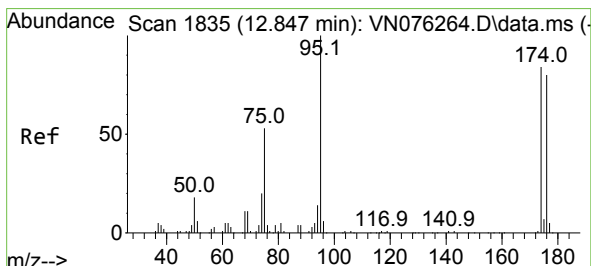
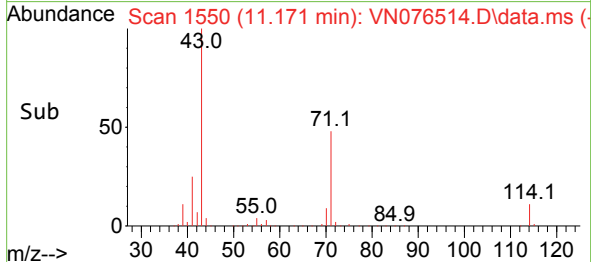
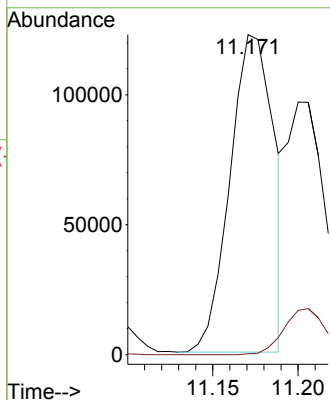
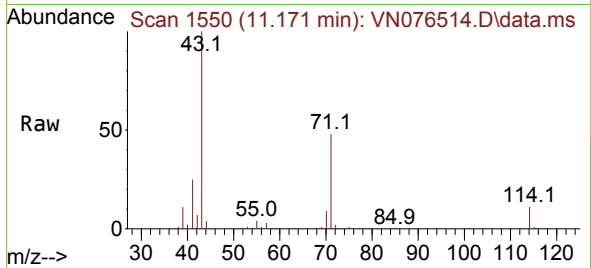




#59
2-Hexanone
Concen: 50.539 ug/l
RT: 11.171 min Scan# 1115
Delta R.T. -0.023 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

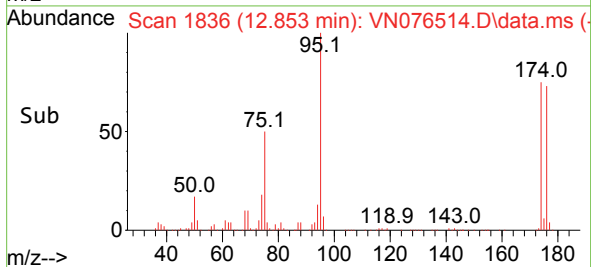
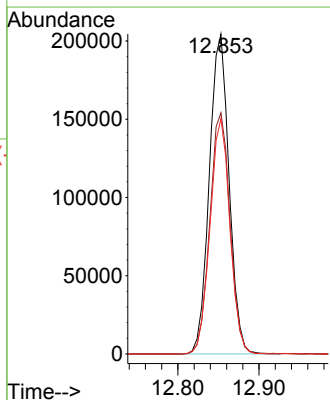
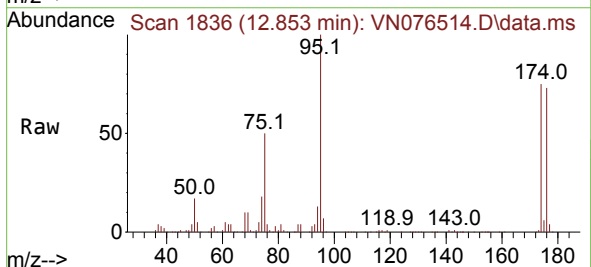
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

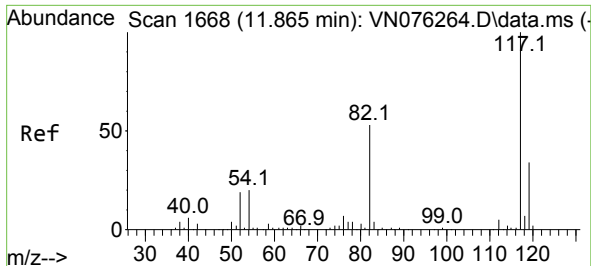
Tgt Ion: 43 Resp: 218155
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 52.342 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 95 Resp: 345352
Ion Ratio Lower Upper
95 100
174 77.3 0.0 174.6
176 73.9 0.0 167.8

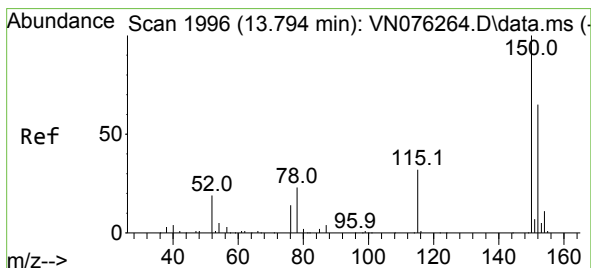
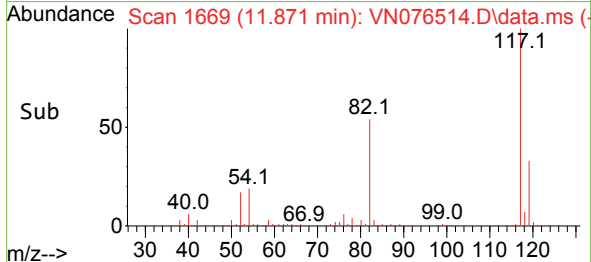
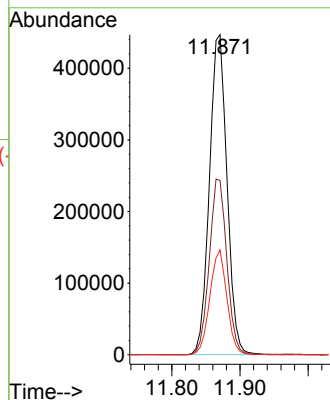
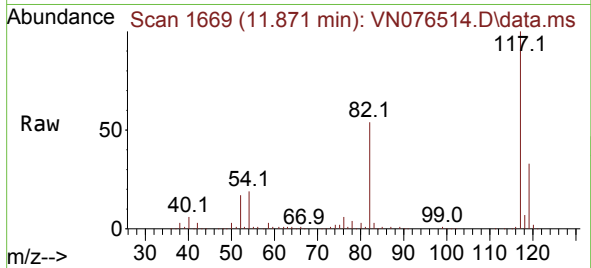




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1668
Delta R.T. 0.006 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

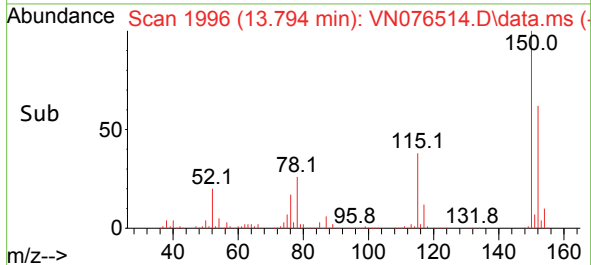
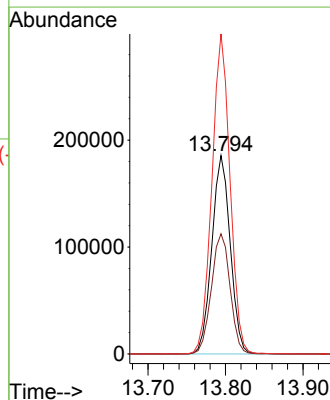
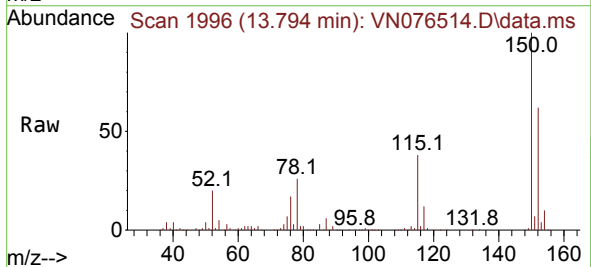
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

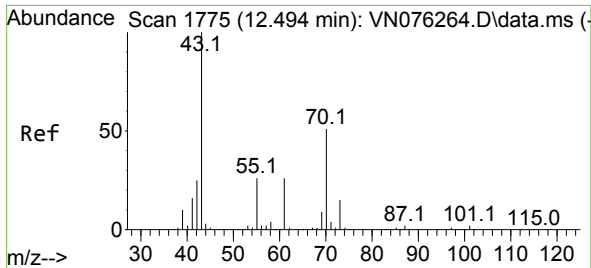
Tgt Ion:117 Resp: 802137
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.2
119 32.8 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion:152 Resp: 306539
Ion Ratio Lower Upper
152 100
115 61.5 29.6 88.9
150 158.4 0.0 351.4

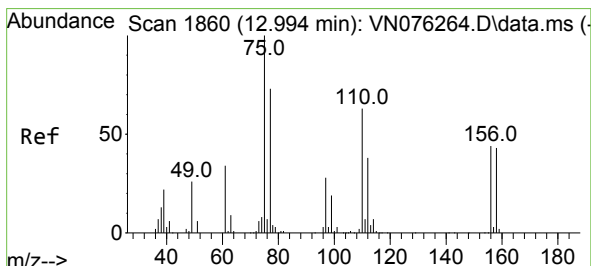
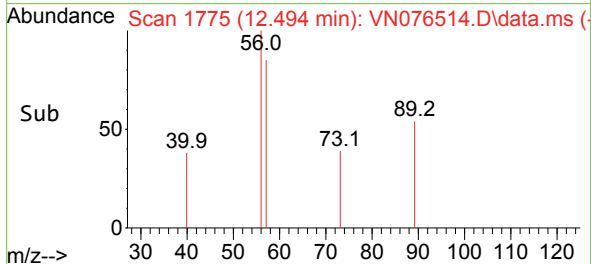
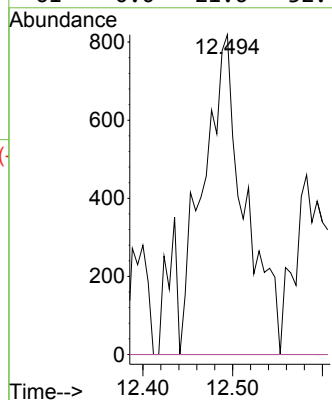
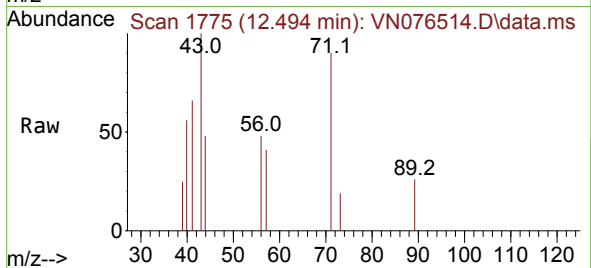




#74
N-amy1 acetate
Concen: 0.384 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

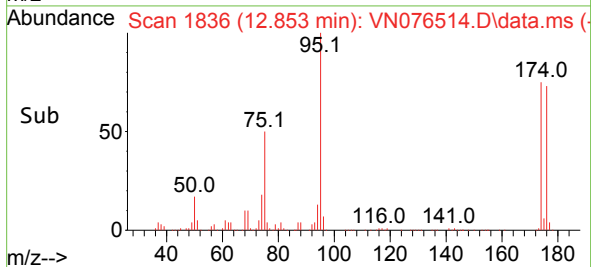
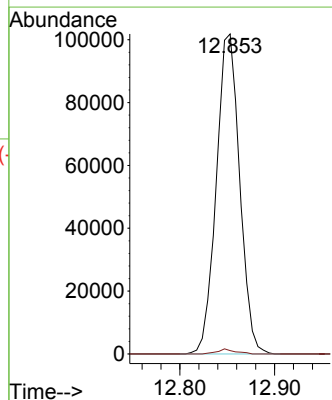
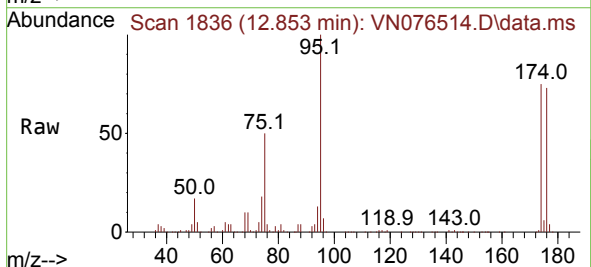
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

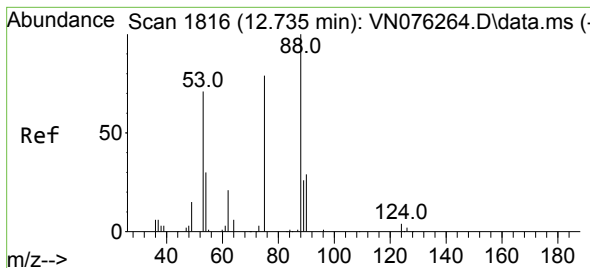
Tgt Ion: 43 Resp: 2619
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 0.0 21.0 31.6#
61 0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 30.904 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion: 75 Resp: 174602
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#

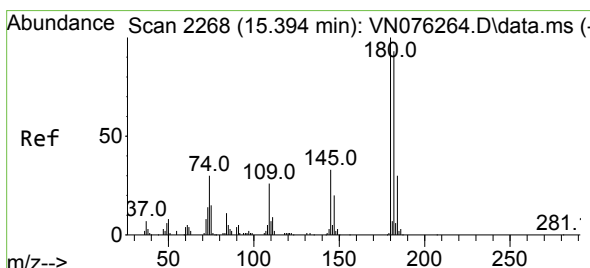
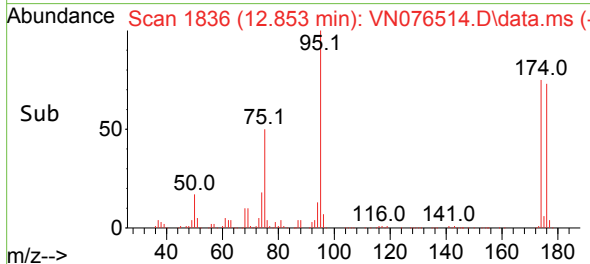
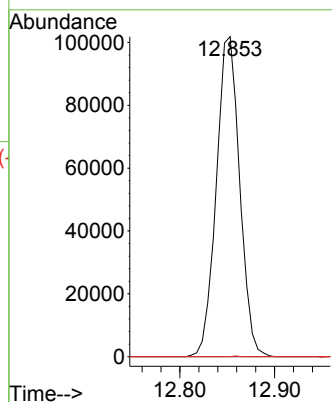
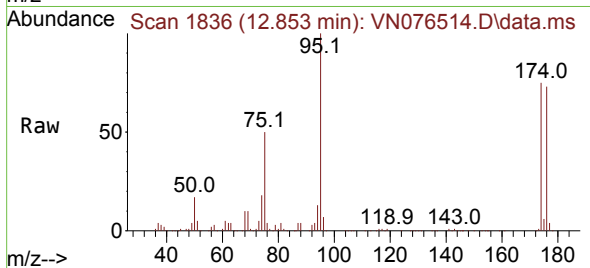




#81
trans-1,4-Dichloro-2-butene
Concen: 94.770 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

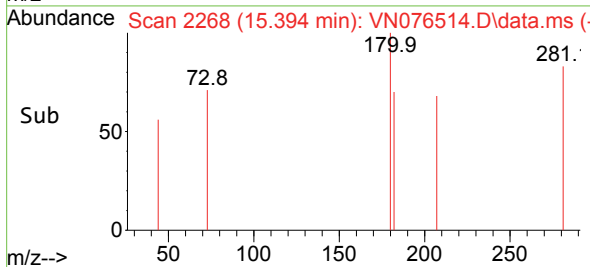
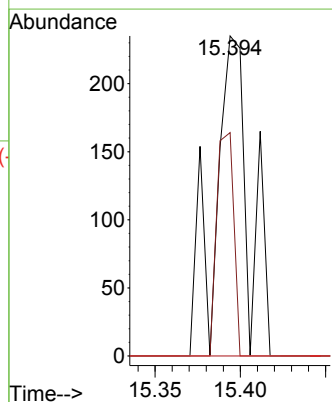
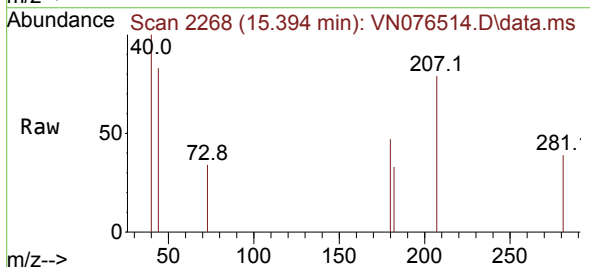
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-2

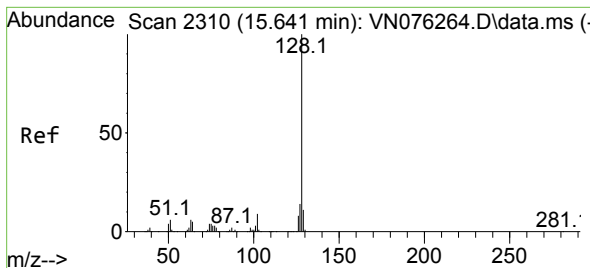
Tgt Ion: 75 Resp: 174602
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.365 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN076514.D
Acq: 02 Feb 2023 16:51

Tgt Ion:180 Resp: 329
Ion Ratio Lower Upper
180 100
182 34.7 47.0 141.2#
145 0.0 15.2 45.5#





#95

Naphthalene

Concen: 1.941 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076514.D

Acq: 02 Feb 2023 16:51

Instrument :

MSVOA_N

ClientSampleId :

STOCKPILE-2

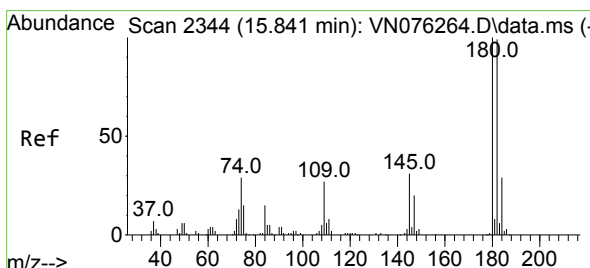
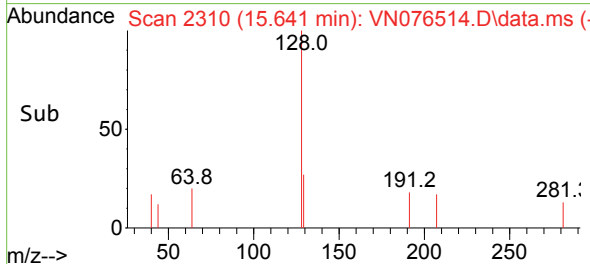
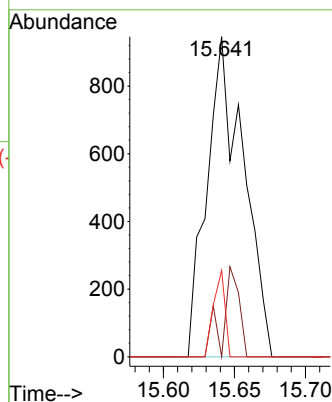
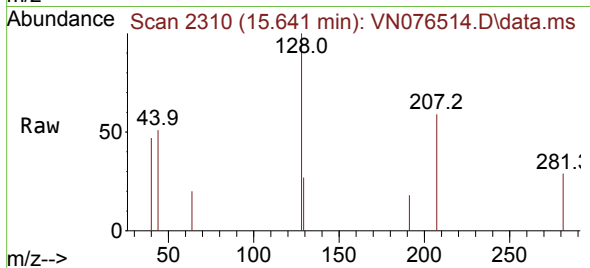
Tgt Ion:128 Resp: 1690

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 8.5 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.180 ug/l

RT: 15.835 min Scan# 2343

Delta R.T. -0.006 min

Lab File: VN076514.D

Acq: 02 Feb 2023 16:51

Tgt Ion:180 Resp: 136

Ion Ratio Lower Upper

180 100

182 50.7 47.5 142.5

145 0.0 15.9 47.6#

