

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076513.D
 Acq On : 02 Feb 2023 16:27
 Operator : JC\MD
 Sample : 01390-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STOCKPILE-1

Quant Time: Feb 03 01:02:21 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)

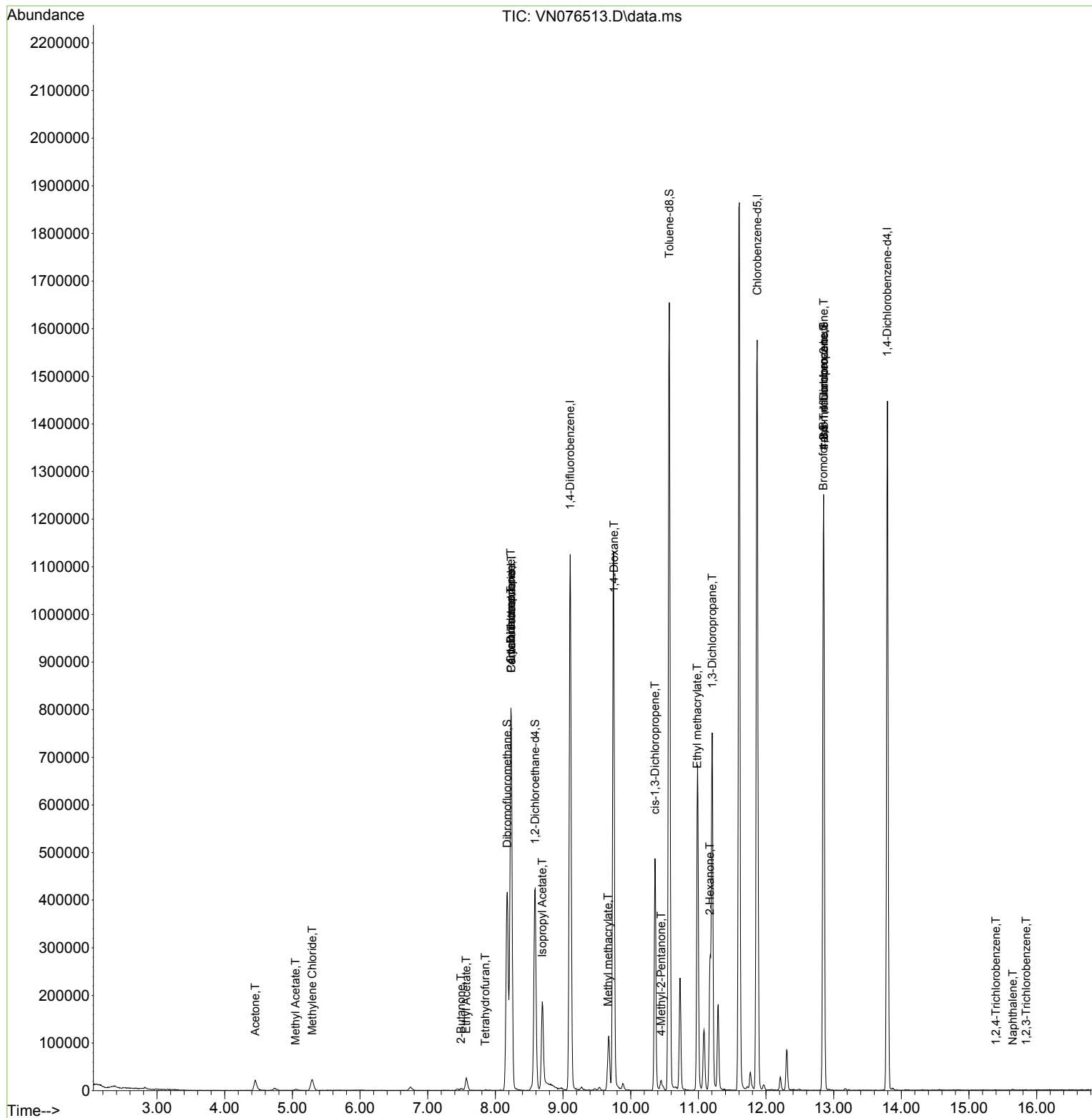
Internal Standards						
1) Pentafluorobenzene	8.235	168	596875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1001988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	987902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	424939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	362863	54.295	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.600%			
35) Dibromofluoromethane	8.176	113	305161	48.687	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.380%			
50) Toluene-d8	10.570	98	1172055	50.633	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.260%			
62) 4-Bromofluorobenzene	12.853	95	465137	61.553	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.100%#			
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	40431	18.804	ug/l	100
18) Methyl Acetate	5.047	43	4444	0.612	ug/l #	67
20) Methylene Chloride	5.294	84	19214	2.458	ug/l	92
25) 2-Butanone	7.494	43	6006	1.836	ug/l #	84
29) Tetrahydrofuran	7.853	42	460	0.228	ug/l #	25
31) Cyclohexane	8.229	56	12457	1.213	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	45137	5.068	ug/l #	49
37) Ethyl Acetate	7.571	43	36952	5.205	ug/l	98
38) Carbon Tetrachloride	8.235	117	63256	6.369	ug/l #	16
43) Isopropyl Acetate	8.694	43	213404	18.363	ug/l #	86
48) Methyl methacrylate	9.665	41	6556	1.192	ug/l #	31
49) 1,4-Dioxane	9.753	88	168	1.447	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	19385	2.841	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	94212	9.200	ug/l #	61
56) Ethyl methacrylate	10.982	69	2676	0.304	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8670	0.784	ug/l #	42
59) 2-Hexanone	11.170	43	314046	63.523	ug/l #	21
71) Bromoform	12.847	173	1580	0.282	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	217195	27.633	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	217195	85.042	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.399	180	263	1.339	ug/l #	85
95) Naphthalene	15.647	128	1832	1.919	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.847	180	308	1.196	ug/l #	34

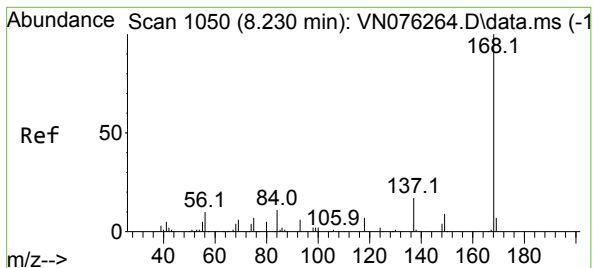
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 03 01:02:21 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076513.D

Acq: 02 Feb 2023 16:27

Instrument :

MSVOA_N

ClientSampleId :

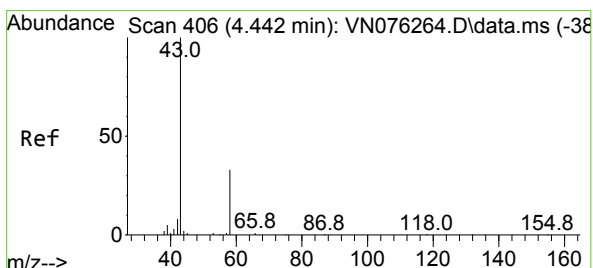
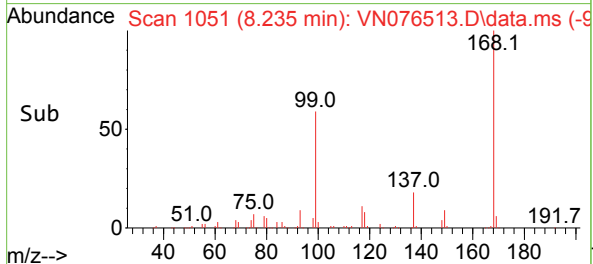
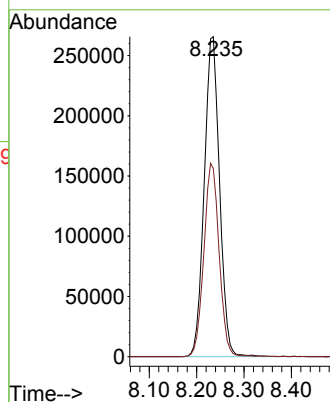
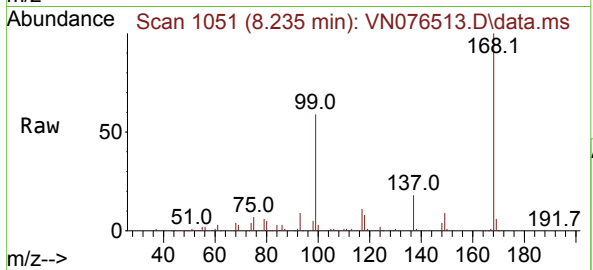
STOCKPILE-1

Tgt Ion:168 Resp: 596875

Ion Ratio Lower Upper

168 100

99 58.8 41.6 62.4



#16

Acetone

Concen: 18.804 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.011 min

Lab File: VN076513.D

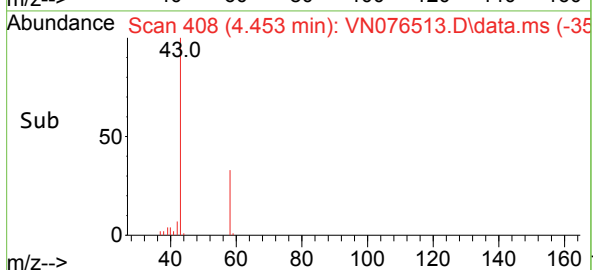
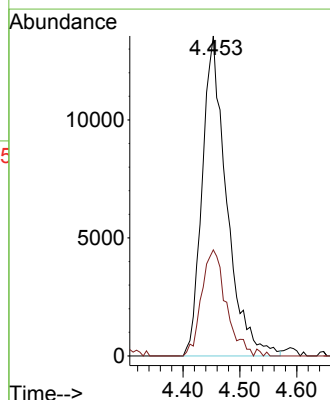
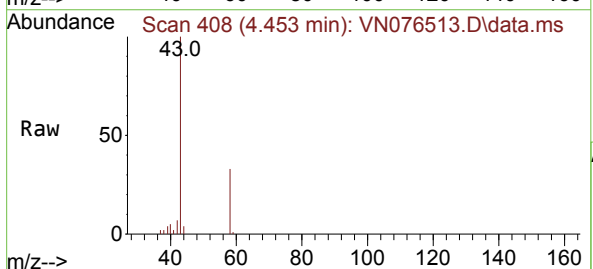
Acq: 02 Feb 2023 16:27

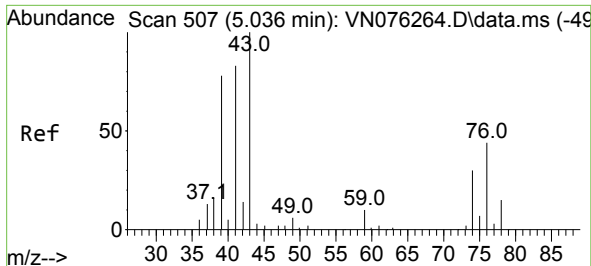
Tgt Ion: 43 Resp: 40431

Ion Ratio Lower Upper

43 100

58 33.1 26.7 40.1

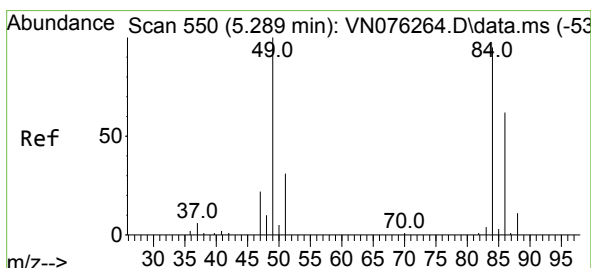
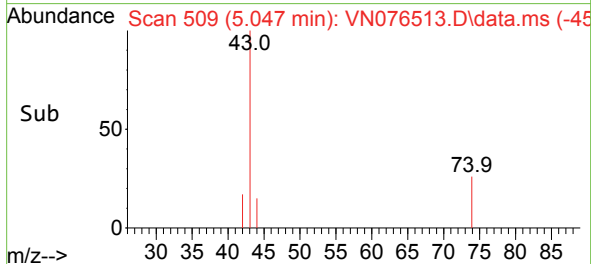
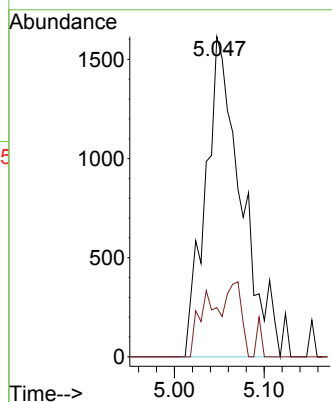
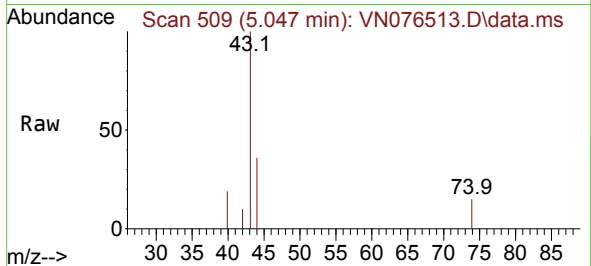




#18
Methyl Acetate
Concen: 0.612 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

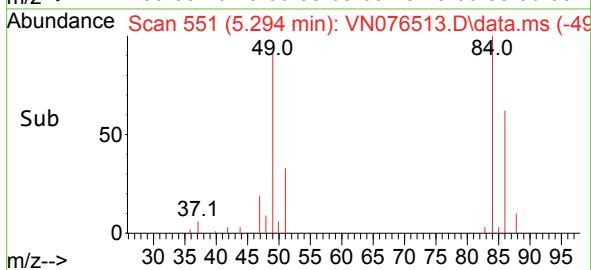
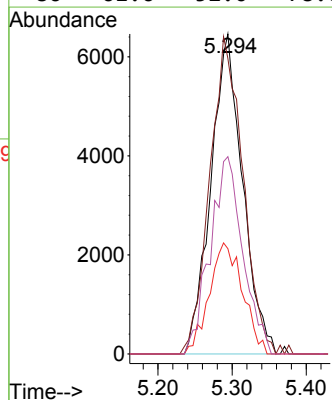
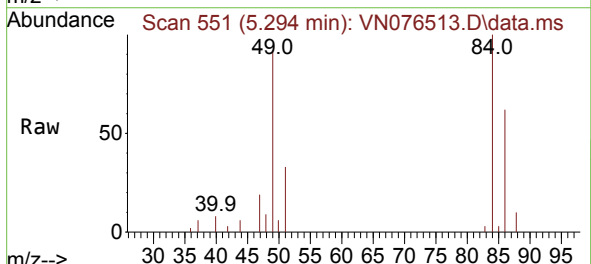
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-1

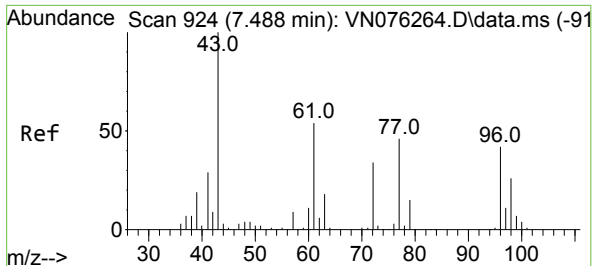
Tgt Ion: 43 Resp: 4444
Ion Ratio Lower Upper
43 100
74 11.4 23.3 34.9#



#20
Methylene Chloride
Concen: 2.458 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion: 84 Resp: 19214
Ion Ratio Lower Upper
84 100
49 92.3 84.5 126.7
51 32.9 26.0 39.0
86 61.6 52.0 78.0

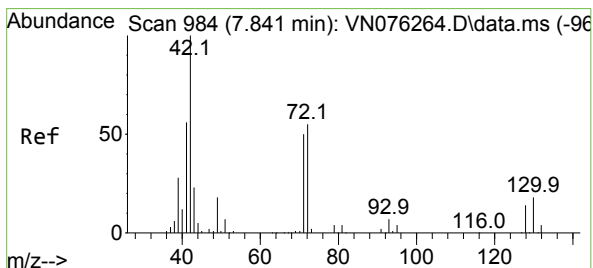
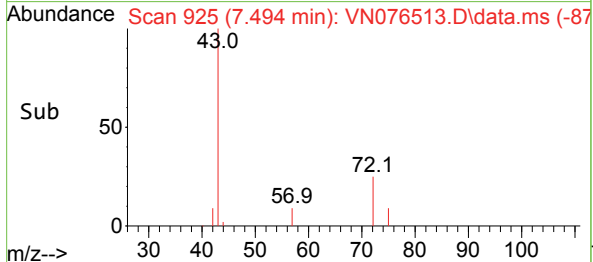
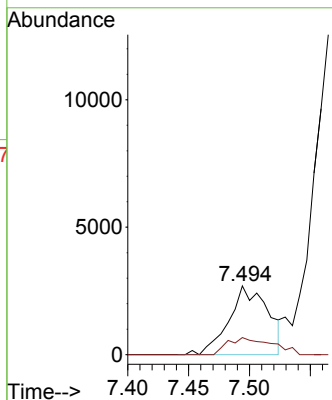
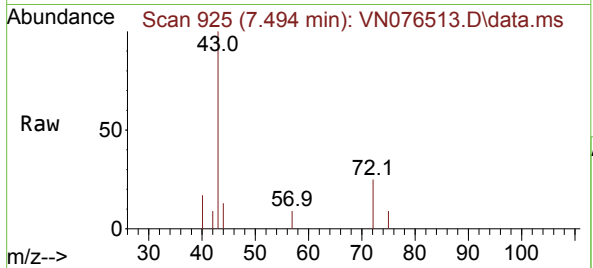




#25
2-Butanone
Concen: 1.836 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

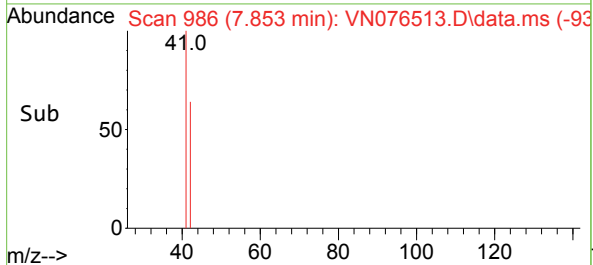
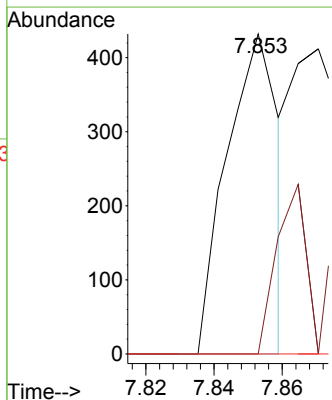
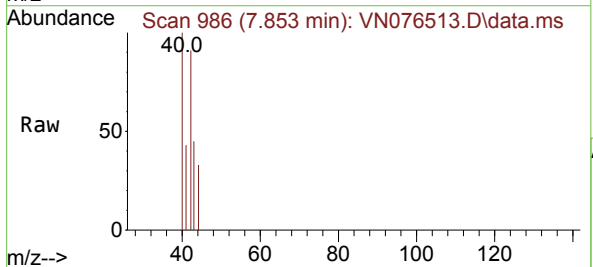
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-1

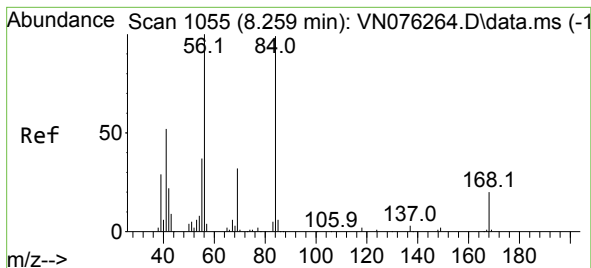
Tgt Ion: 43 Resp: 6006
Ion Ratio Lower Upper
43 100
72 24.9 27.4 41.2#



#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.012 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion: 42 Resp: 460
Ion Ratio Lower Upper
42 100
72 0.0 44.0 66.0#
71 0.0 41.1 61.7#





#31

Cyclohexane

Concen: 1.213 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.030 min

Lab File: VN076513.D

Acq: 02 Feb 2023 16:27

Instrument :

MSVOA_N

ClientSampleId :

STOCKPILE-1

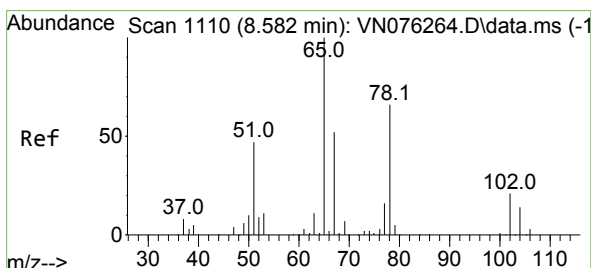
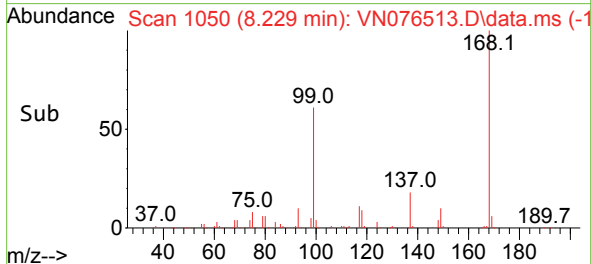
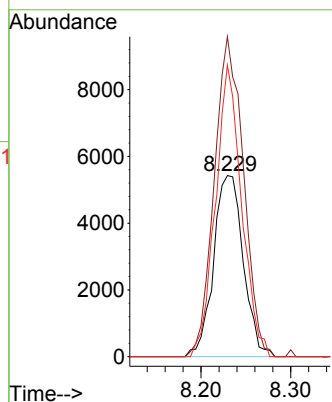
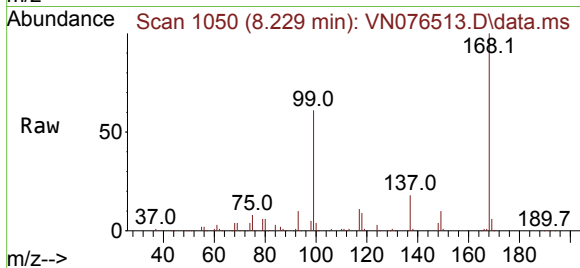
Tgt Ion: 56 Resp: 12457

Ion Ratio Lower Upper

56 100

69 176.6 25.8 38.8#

84 160.9 79.0 118.4#



#33

1,2-Dichloroethane-d4

Concen: 54.295 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076513.D

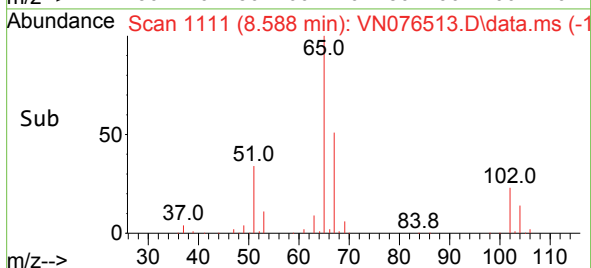
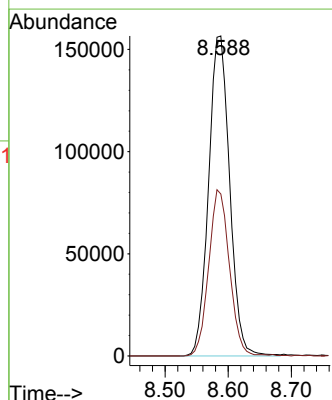
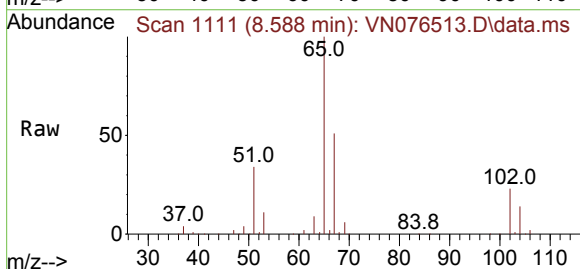
Acq: 02 Feb 2023 16:27

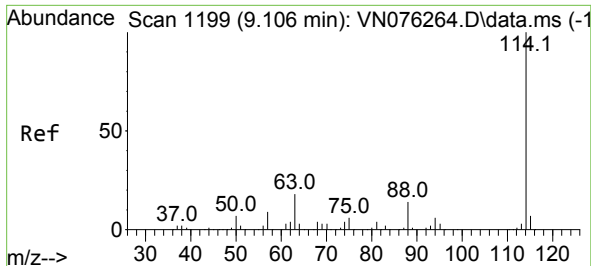
Tgt Ion: 65 Resp: 362863

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6

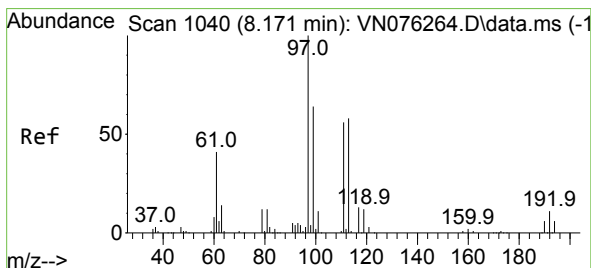
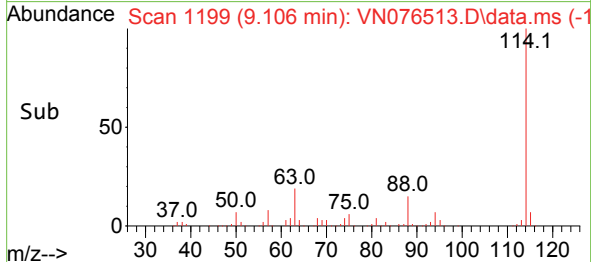
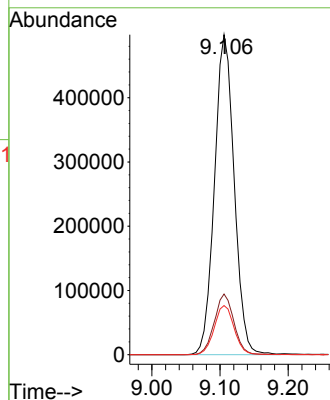
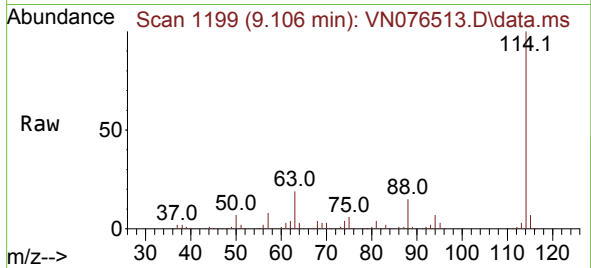




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

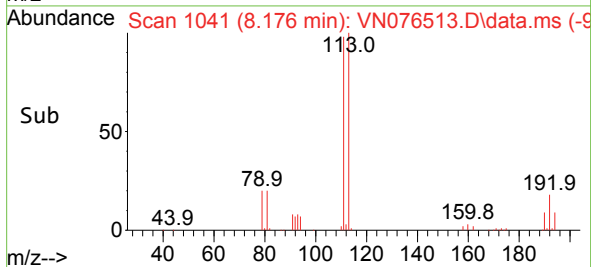
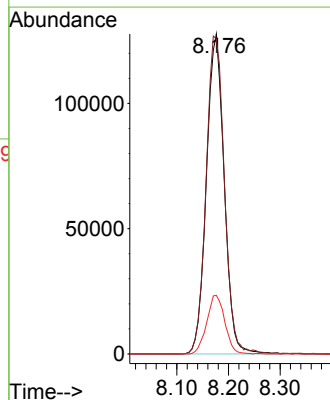
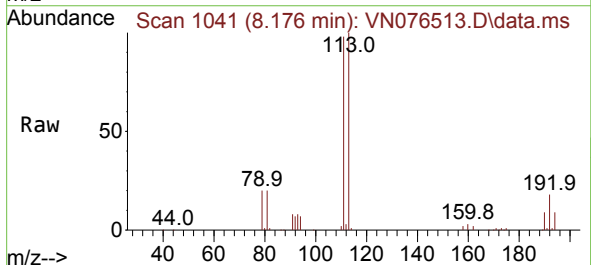
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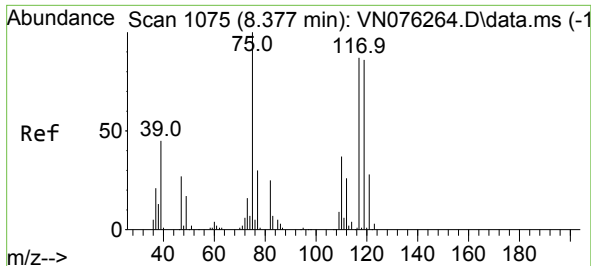
Tgt Ion:114 Resp: 1001988
Ion Ratio Lower Upper
114 100
63 18.9 0.0 35.8
88 15.4 0.0 28.0



#35
Dibromofluoromethane
Concen: 48.687 ug/l
RT: 8.176 min Scan# 1041
Delta R.T. 0.005 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion:113 Resp: 305161
Ion Ratio Lower Upper
113 100
111 102.6 82.7 124.1
192 18.6 15.6 23.4

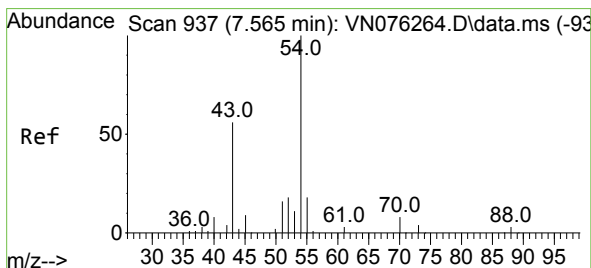
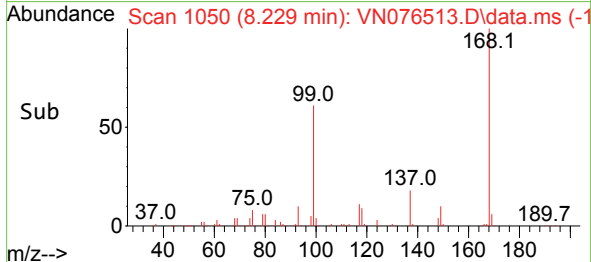
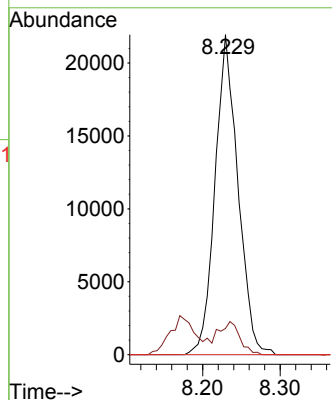
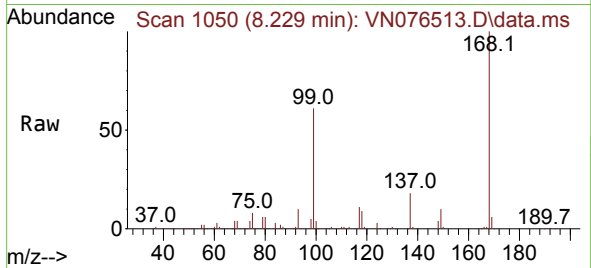




#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

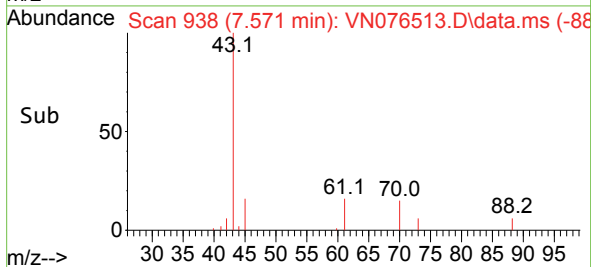
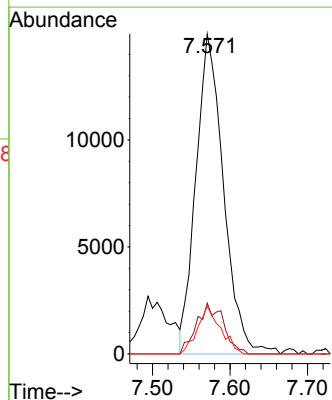
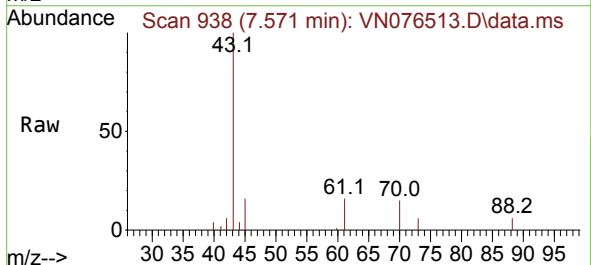
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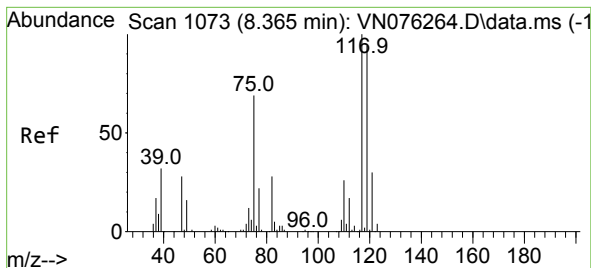
Tgt Ion: 75 Resp: 45137
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 5.205 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion: 43 Resp: 36952
Ion Ratio Lower Upper
43 100
61 15.4 11.1 16.7
70 12.5 10.0 15.0





#38

Carbon Tetrachloride

Concen: 6.369 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.130 min

Lab File: VN076513.D

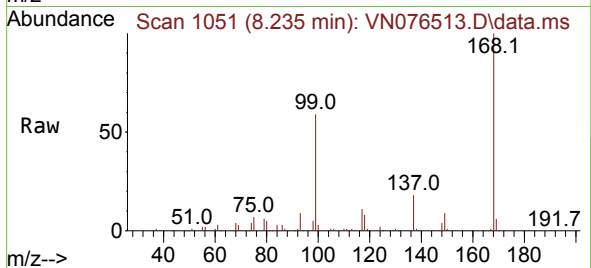
Acq: 02 Feb 2023 16:27

Instrument :

MSVOA_N

ClientSampleId :

STOCKPILE-1



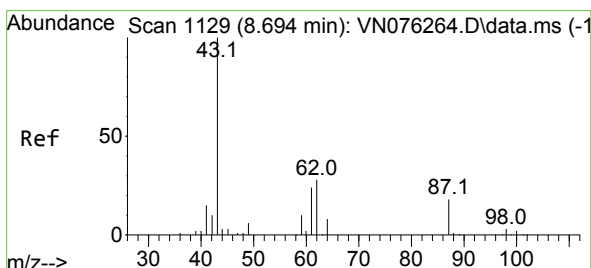
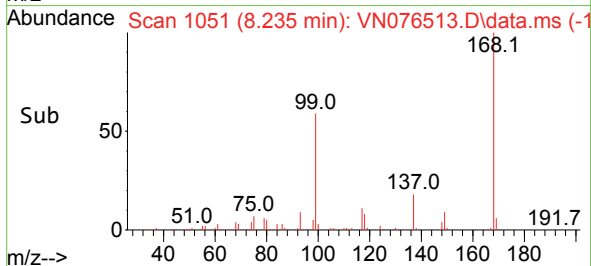
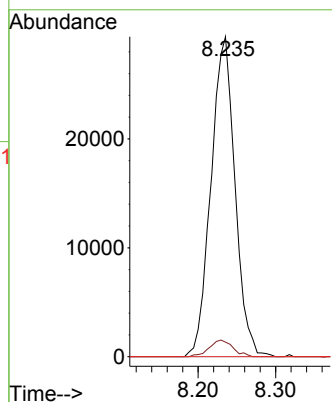
Tgt Ion:117 Resp: 63256

Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.0#

121 0.0 24.2 36.2#



#43

Isopropyl Acetate

Concen: 18.363 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076513.D

Acq: 02 Feb 2023 16:27

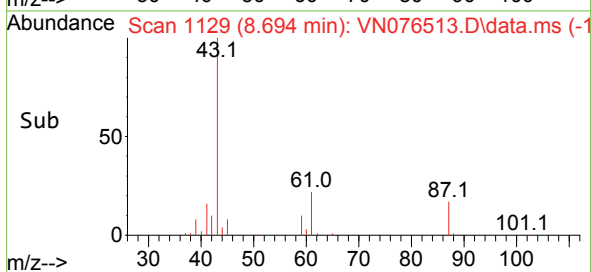
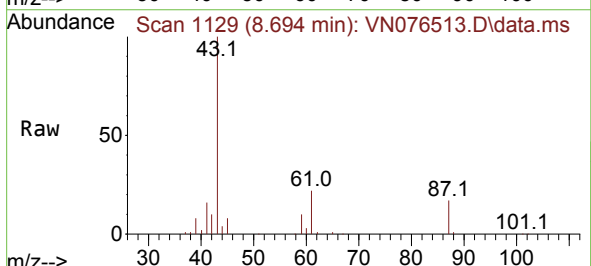
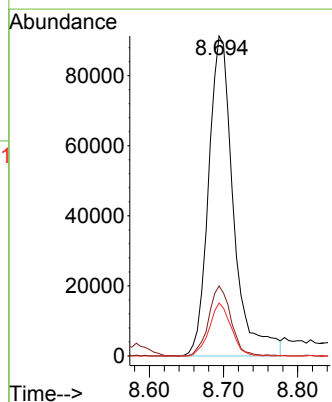
Tgt Ion: 43 Resp: 213404

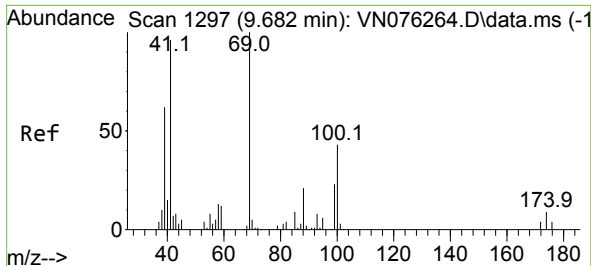
Ion Ratio Lower Upper

43 100

61 19.5 23.5 35.3#

87 14.4 13.8 20.6

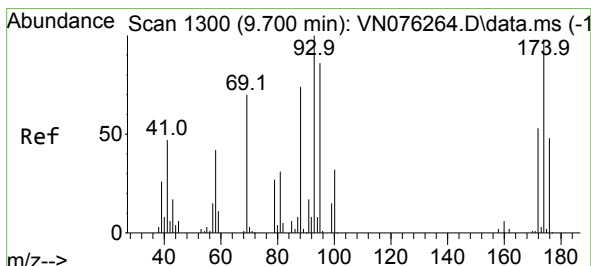
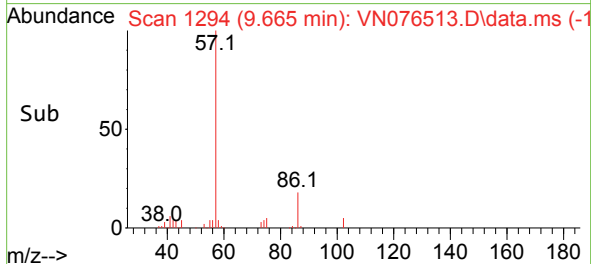
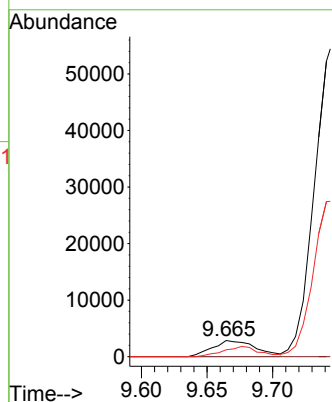
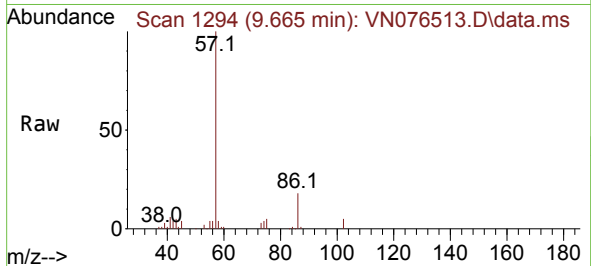




#48
Methyl methacrylate
Concen: 1.192 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

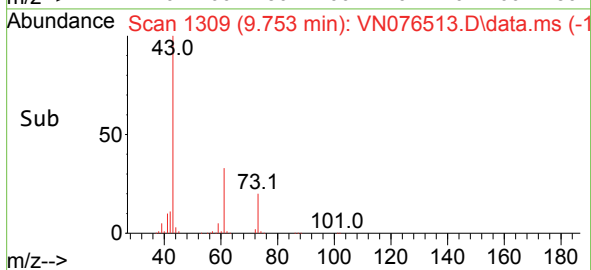
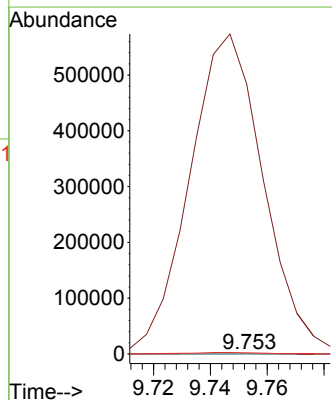
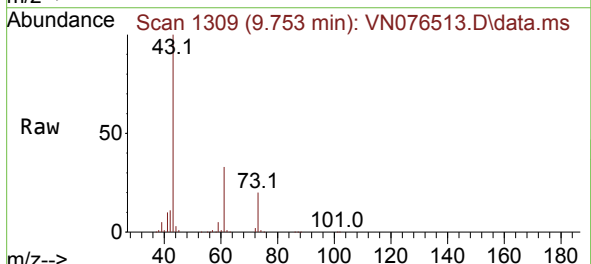
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-1

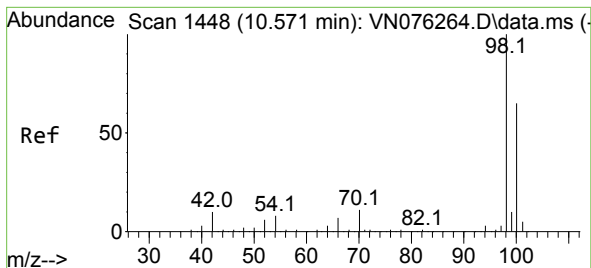
Tgt Ion: 41 Resp: 6556
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 50.5 54.4 81.6#



#49
1,4-Dioxane
Concen: 1.447 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion: 88 Resp: 168
Ion Ratio Lower Upper
88 100
43 623354.8 18.1 27.1#
58 2934.5 46.5 69.7#





#50

Toluene-d8

Concen: 50.633 ug/l

RT: 10.570 min Scan# 1448

Delta R.T. -0.001 min

Lab File: VN076513.D

Acq: 02 Feb 2023 16:27

Instrument :

MSVOA_N

ClientSampleId :

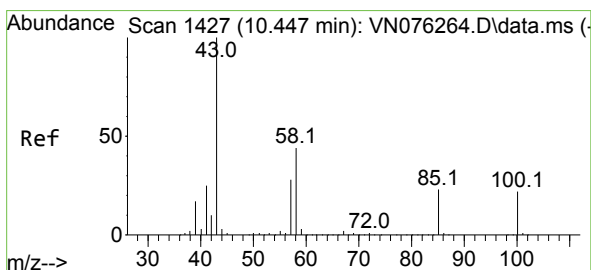
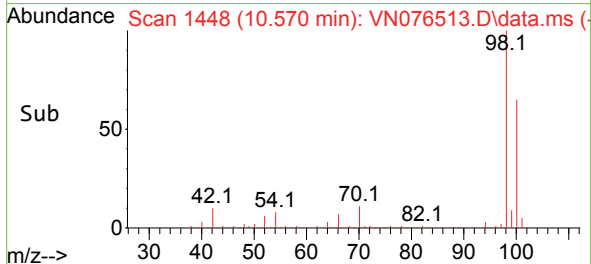
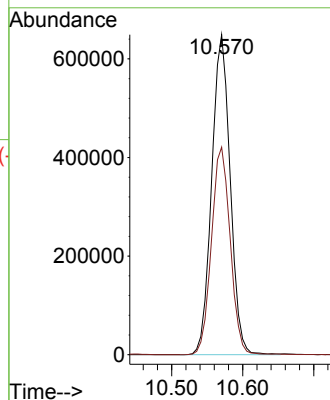
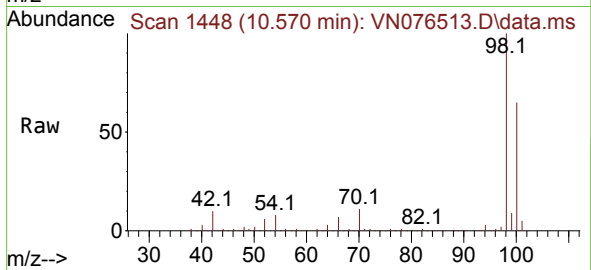
STOCKPILE-1

Tgt Ion: 98 Resp: 1172055

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 2.841 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN076513.D

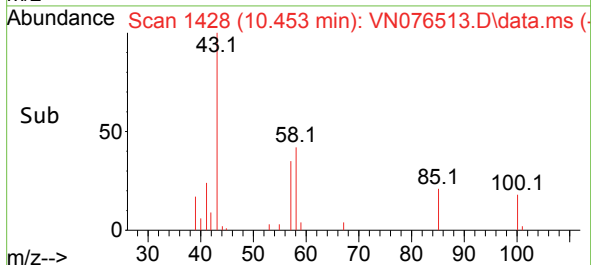
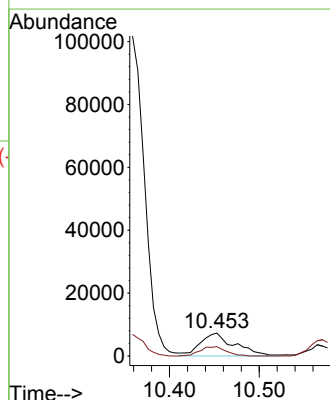
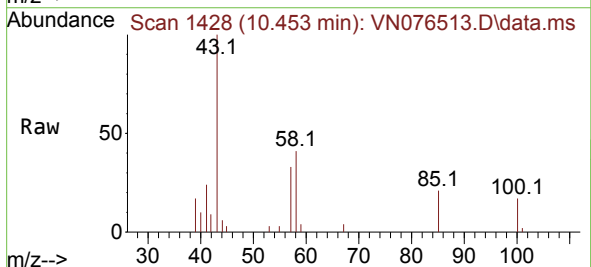
Acq: 02 Feb 2023 16:27

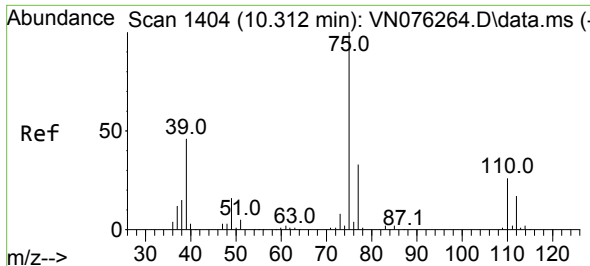
Tgt Ion: 43 Resp: 19385

Ion Ratio Lower Upper

43 100

58 30.6 35.1 52.7#

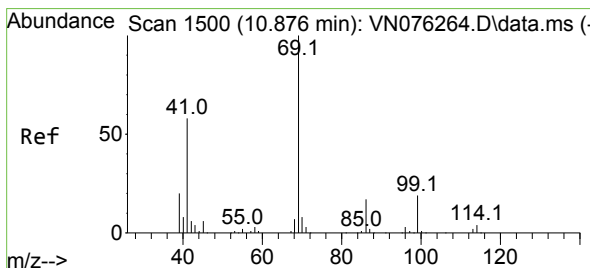
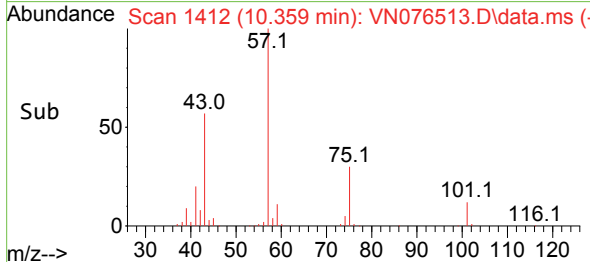
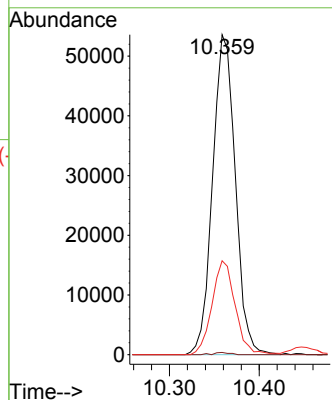
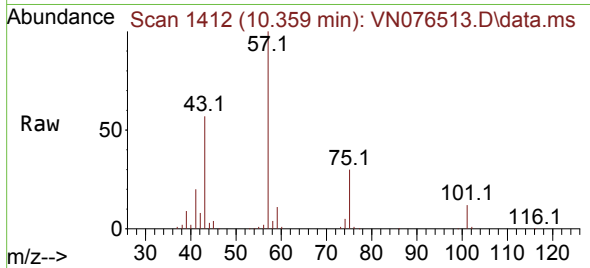




#54
 cis-1,3-Dichloropropene
 Concen: 9.200 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076513.D
 Acq: 02 Feb 2023 16:27

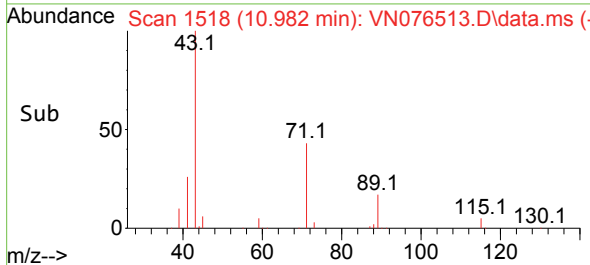
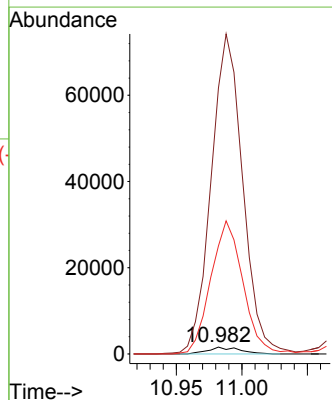
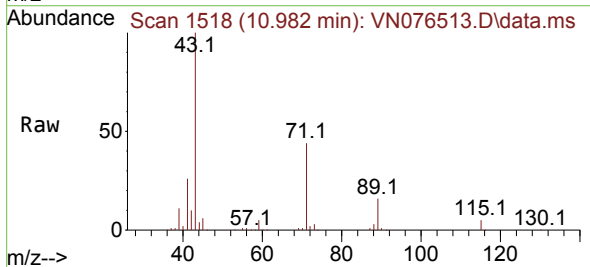
Instrument :
 MSVOA_N
 ClientSampleId :
 STOCKPILE-1

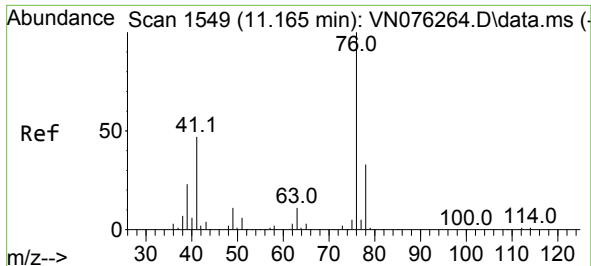
Tgt Ion: 75 Resp: 94212
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.5 39.7#
 39 29.3 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 0.304 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.106 min
 Lab File: VN076513.D
 Acq: 02 Feb 2023 16:27

Tgt Ion: 69 Resp: 2676
 Ion Ratio Lower Upper
 69 100
 41 4650.9 45.3 67.9#
 39 1975.1 29.3 43.9#





#57

1,3-Dichloropropane

Concen: 0.784 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN076513.D

Acq: 02 Feb 2023 16:27

Instrument :

MSVOA_N

ClientSampleId :

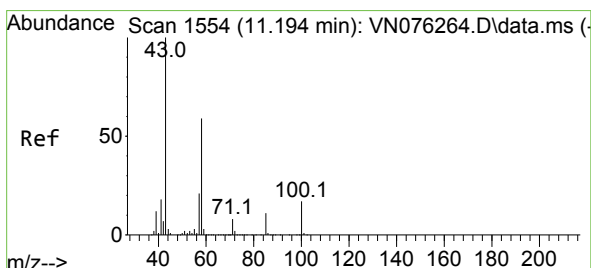
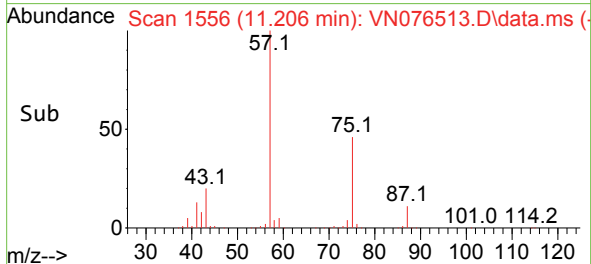
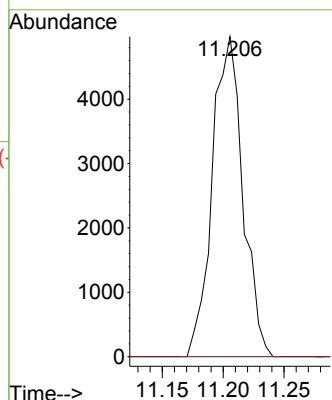
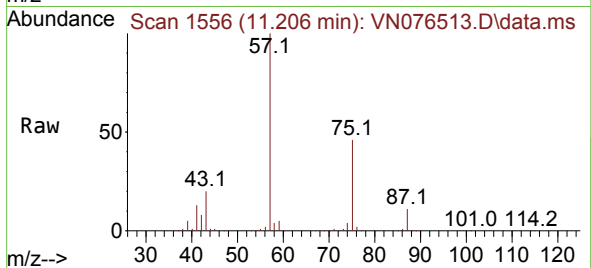
STOCKPILE-1

Tgt Ion: 76 Resp: 8670

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 63.523 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.024 min

Lab File: VN076513.D

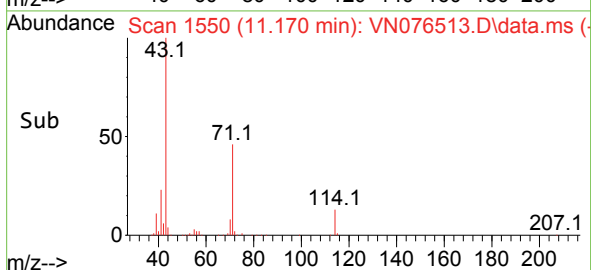
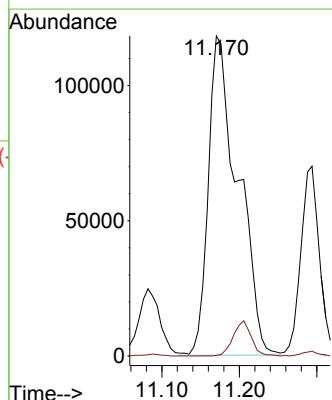
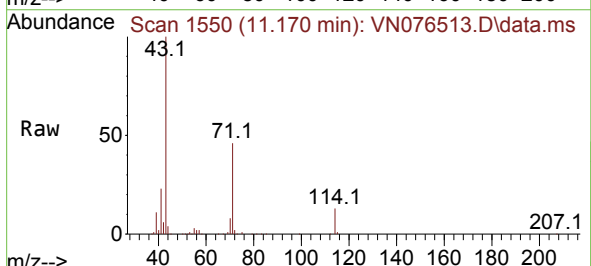
Acq: 02 Feb 2023 16:27

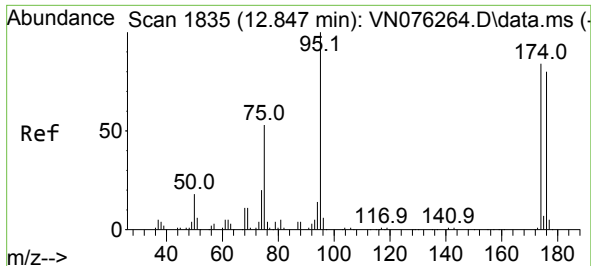
Tgt Ion: 43 Resp: 314046

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.3#

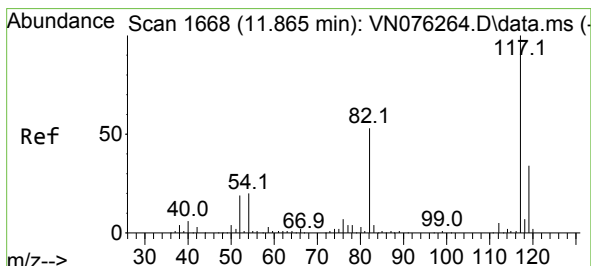
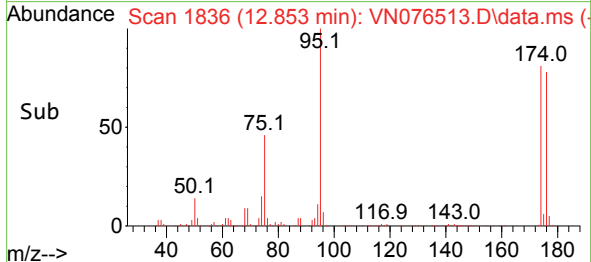
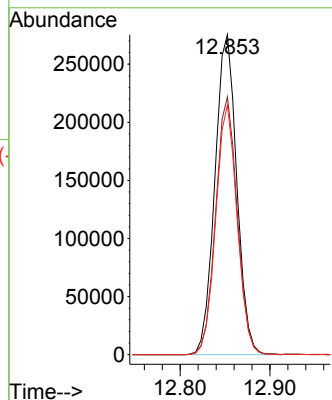
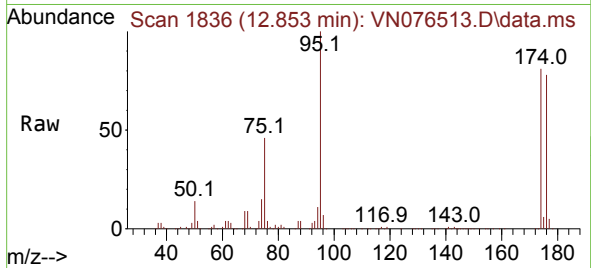




#62
4-Bromofluorobenzene
Concen: 61.553 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

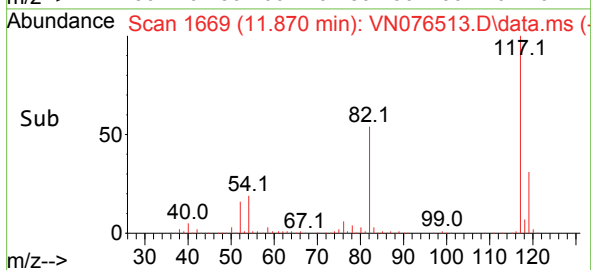
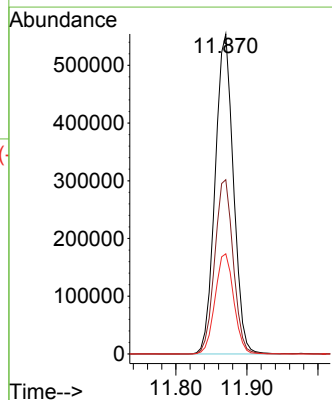
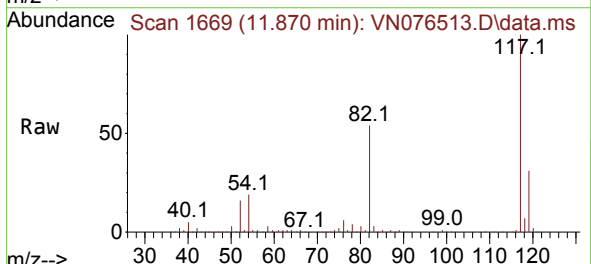
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-1

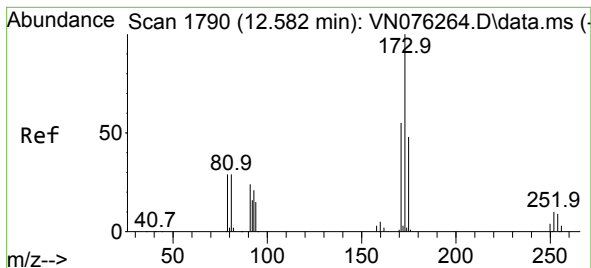
Tgt Ion: 95 Resp: 465137
Ion Ratio Lower Upper
95 100
174 79.8 0.0 174.6
176 76.0 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion: 117 Resp: 987902
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.2
119 31.3 26.9 40.3





#71

Bromoform

Concen: 0.282 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN076513.D

Acq: 02 Feb 2023 16:27

Instrument :

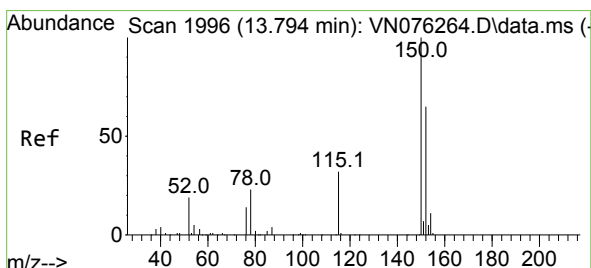
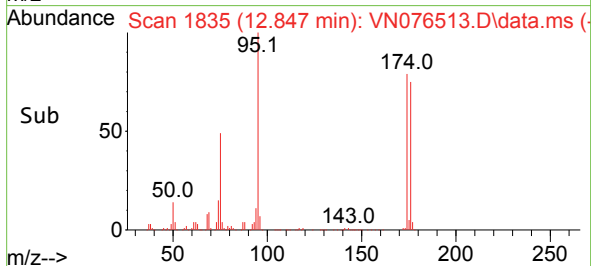
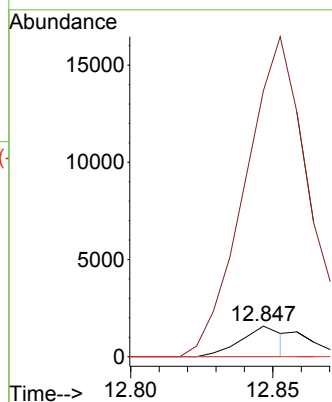
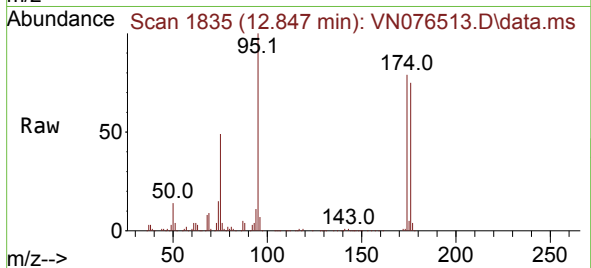
MSVOA_N

ClientSampleId :

STOCKPILE-1

Tgt Ion:173 Resp: 1580

Ion	Ratio	Lower	Upper
173	100		
175	1343.9	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

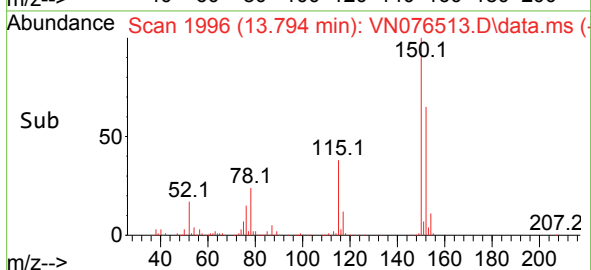
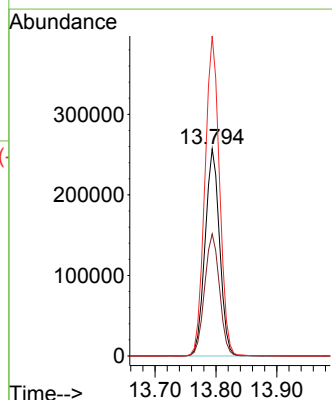
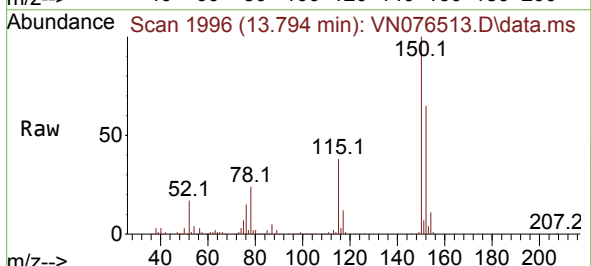
Delta R.T. -0.000 min

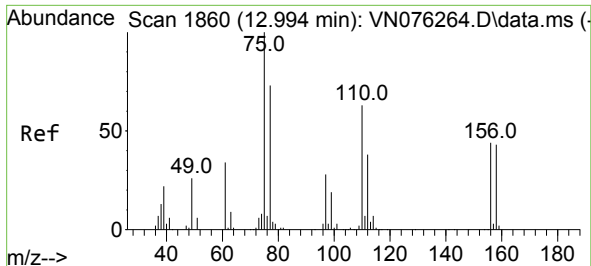
Lab File: VN076513.D

Acq: 02 Feb 2023 16:27

Tgt Ion:152 Resp: 424939

Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.6	88.9
150	155.4	0.0	351.4

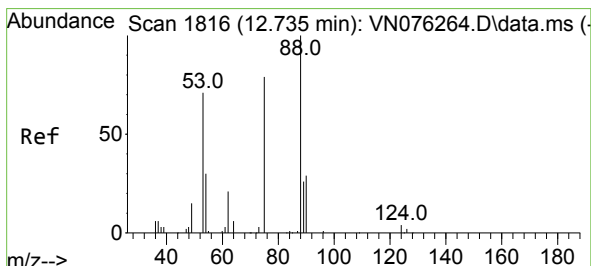
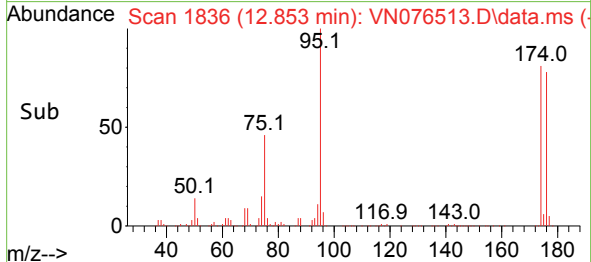
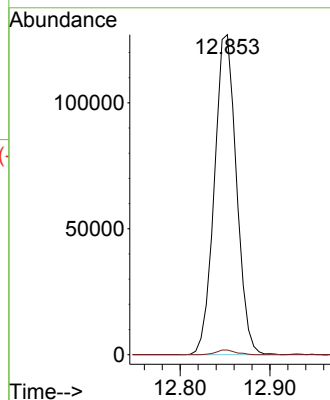
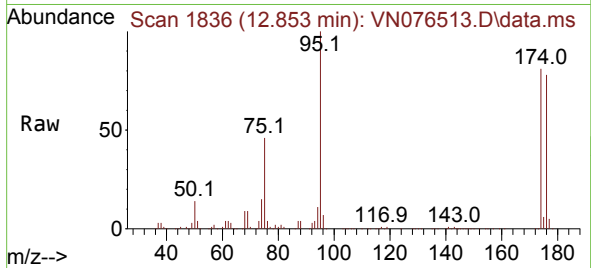




#76
1,2,3-Trichloropropane
Concen: 27.633 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

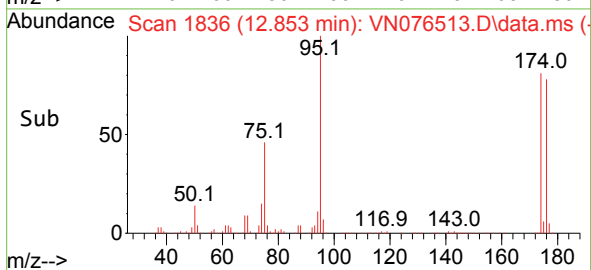
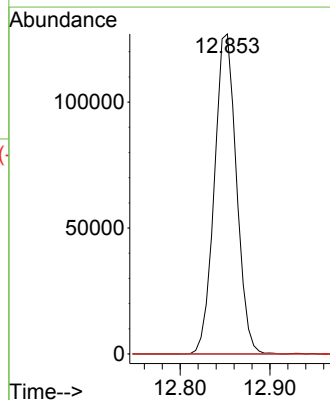
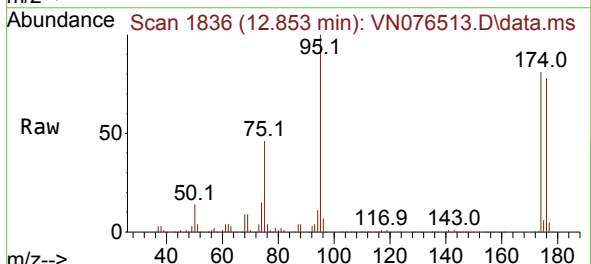
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-1

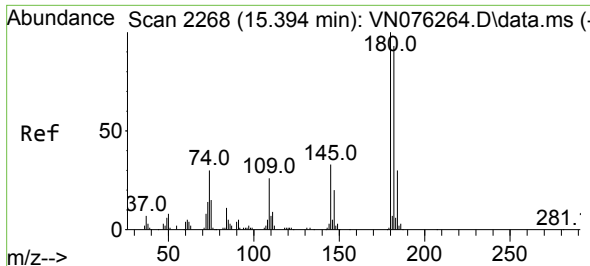
Tgt Ion: 75 Resp: 217195
Ion Ratio Lower Upper
75 100
77 1.3 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.042 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion: 75 Resp: 217195
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#

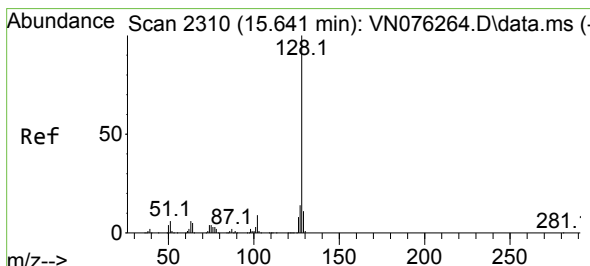
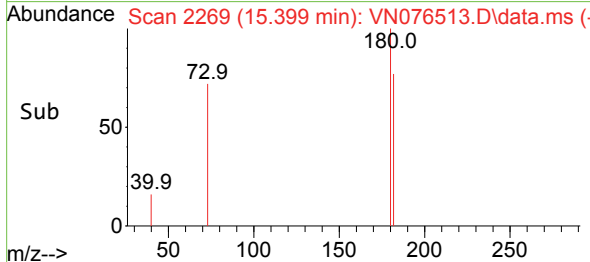
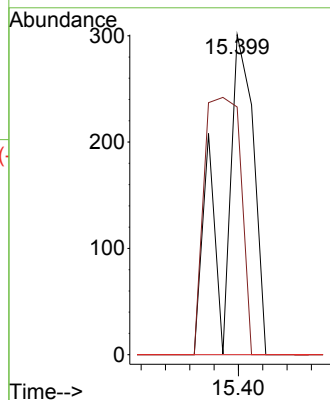
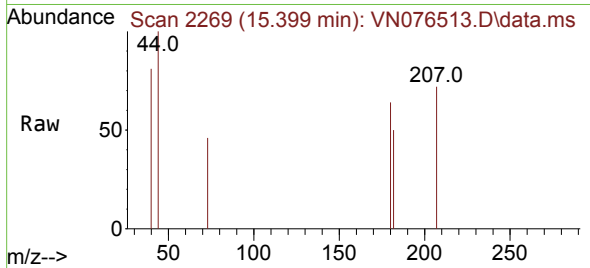




#93
1,2,4-Trichlorobenzene
Concen: 1.339 ug/l
RT: 15.399 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

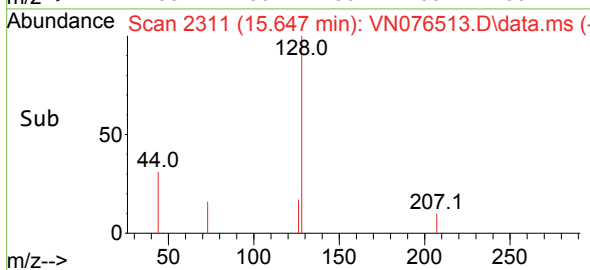
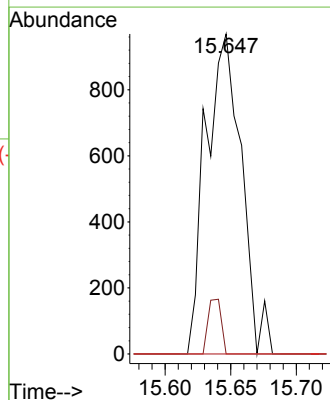
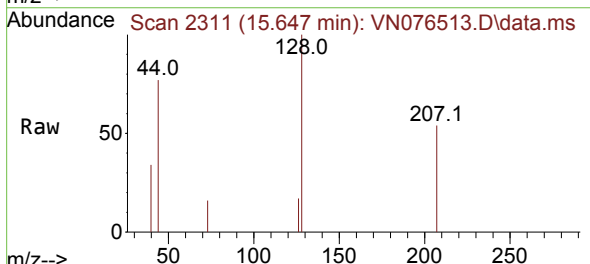
Instrument :
MSVOA_N
ClientSampleId :
STOCKPILE-1

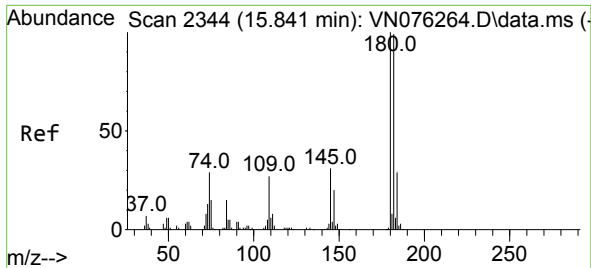
Tgt Ion:180 Resp: 263
Ion Ratio Lower Upper
180 100
182 95.4 47.0 141.2
145 0.0 15.2 45.5#



#95
Naphthalene
Concen: 1.919 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076513.D
Acq: 02 Feb 2023 16:27

Tgt Ion:128 Resp: 1832
Ion Ratio Lower Upper
128 100
127 6.3 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.196 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076513.D
 Acq: 02 Feb 2023 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 STOCKPILE-1

Tgt Ion:180 Resp: 308
 Ion Ratio Lower Upper
 180 100
 182 27.6 47.5 142.5#
 145 0.0 15.9 47.6#

