

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076470.D
 Acq On : 30 Jan 2023 20:30
 Operator : JC\MD
 Sample : 01333-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:46:45 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)

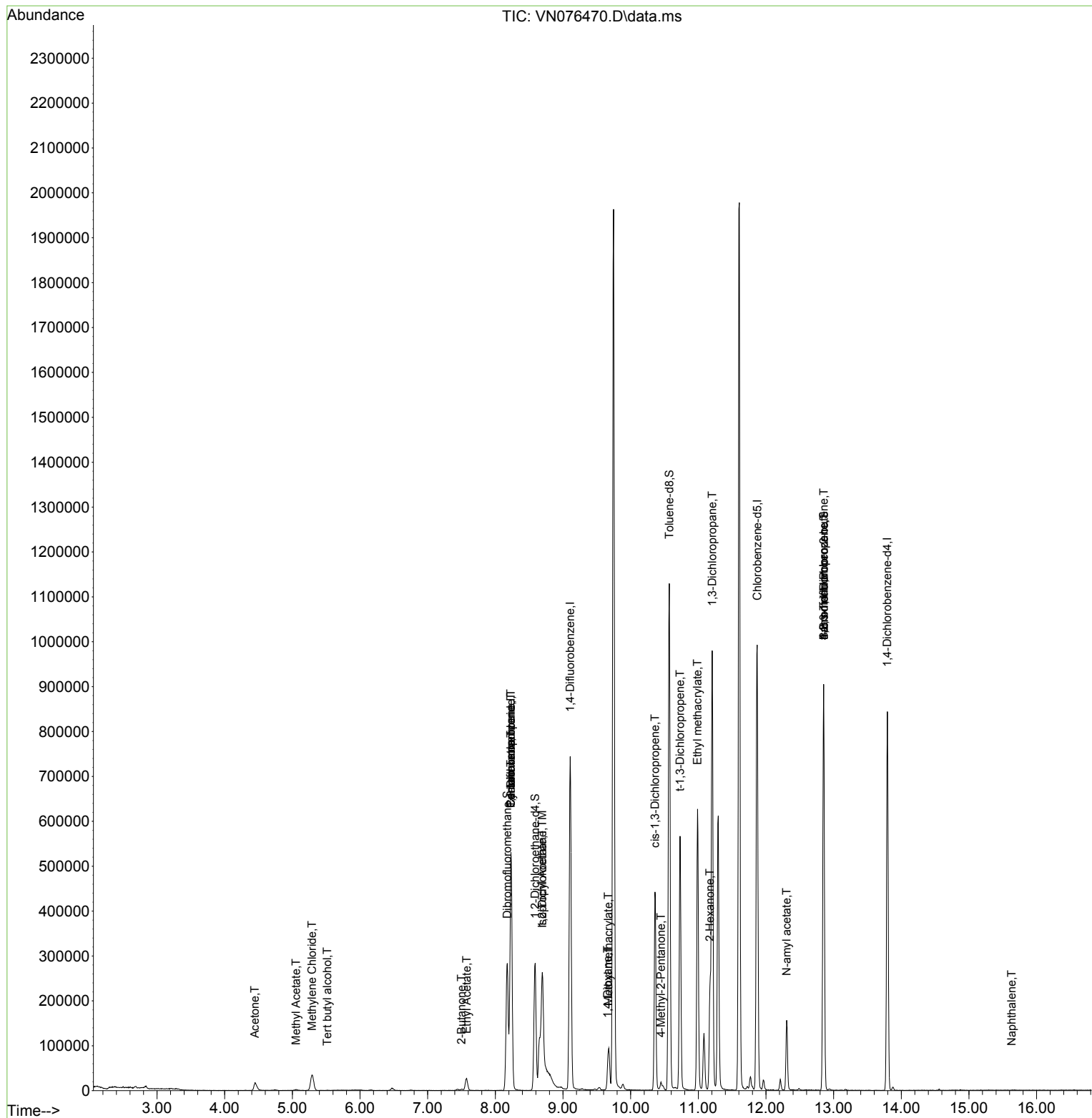
Internal Standards						
1) Pentafluorobenzene	8.230	168	386389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	665246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	595017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	229881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	239639	55.391	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.780%	
35) Dibromofluoromethane	8.177	113	201896	48.516	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.040%	
50) Toluene-d8	10.571	98	788418	51.301	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	12.853	95	312764	62.340	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 124.680%#	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	170	0.294	ug/l #	72
16) Acetone	4.447	43	34277	24.649	ug/l	93
18) Methyl Acetate	5.053	43	4298	0.914	ug/l	92
20) Methylene Chloride	5.289	84	29796	6.739	ug/l	90
25) 2-Butanone	7.500	43	4476	2.113	ug/l #	84
31) Cyclohexane	8.230	56	7997	1.203	ug/l #	3
36) 1,1-Dichloropropene	8.230	75	30557	5.168	ug/l #	48
37) Ethyl Acetate	7.577	43	41426	8.764	ug/l	98
38) Carbon Tetrachloride	8.230	117	41227	6.252	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1984	0.328	ug/l #	73
43) Isopropyl Acetate	8.694	43	478048	61.957	ug/l #	69
48) Methyl methacrylate	9.671	41	5547	1.519	ug/l #	35
49) 1,4-Dioxane	9.659	88	60	0.778	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	17480	3.859	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1467	0.248	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	83261	12.247	ug/l #	62
56) Ethyl methacrylate	10.988	69	2244	0.385	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11124	1.515	ug/l #	42
59) 2-Hexanone	11.171	43	172207	52.465	ug/l #	21
71) Bromoform	12.853	173	1737	0.514	ug/l #	1
74) N-amyl acetate	12.306	43	46997	9.187	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	162602	38.611	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	162602	117.688	ug/l #	11
95) Naphthalene	15.629	128	1018	1.921	ug/l #	77

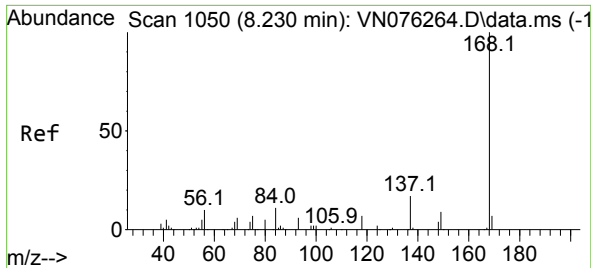
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
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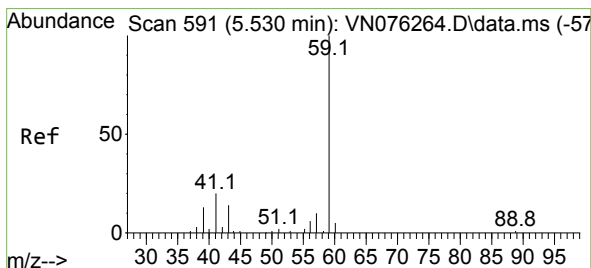
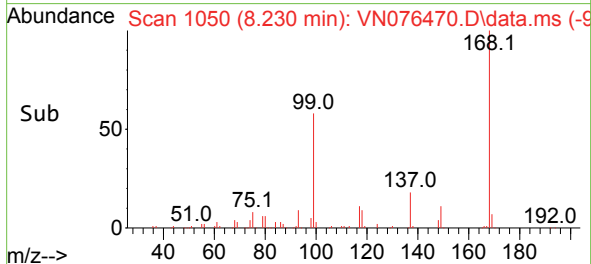
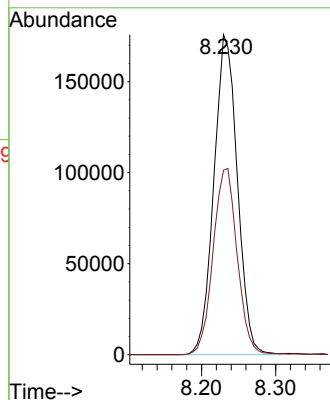
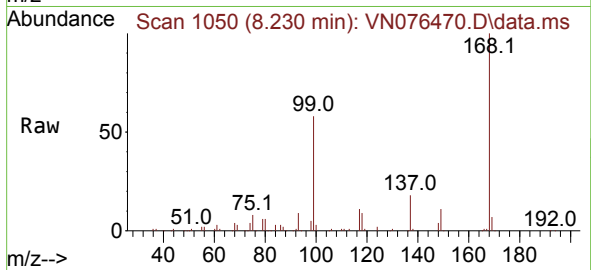




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

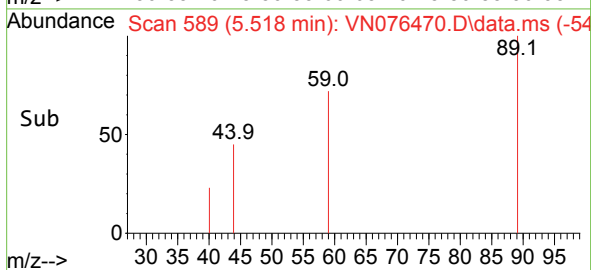
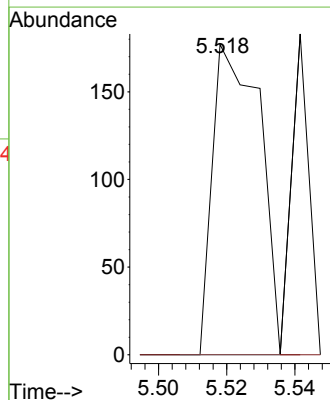
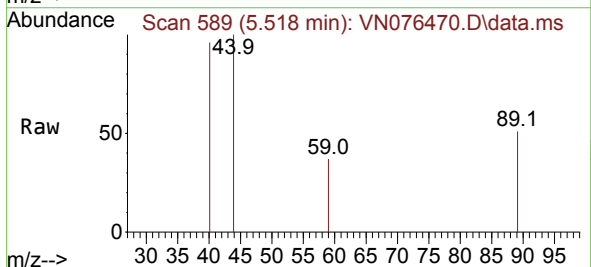
Instrument :
MSVOA_N
ClientSampleId :

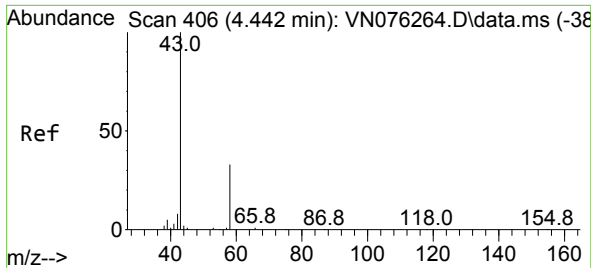
Tgt Ion:168 Resp: 386389
Ion Ratio Lower Upper
168 100
99 57.6 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.294 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.012 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

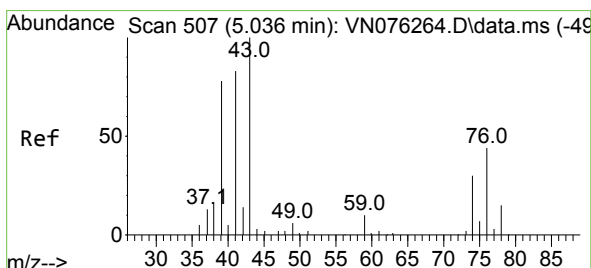
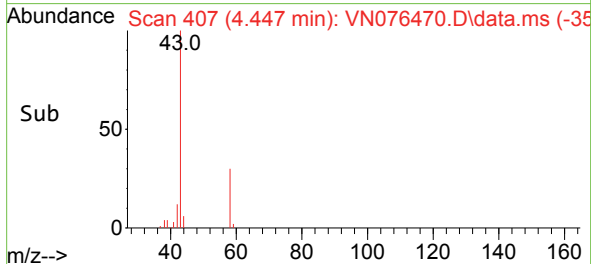
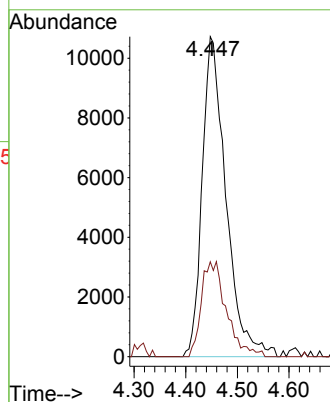
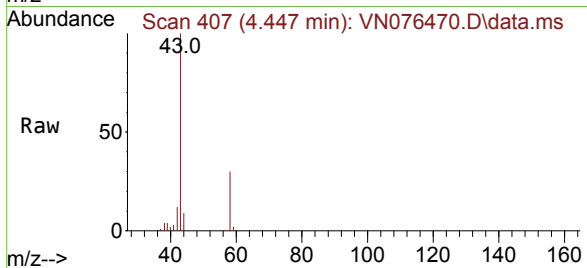




#16
Acetone
Concen: 24.649 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

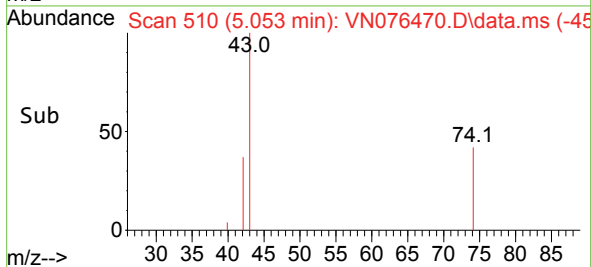
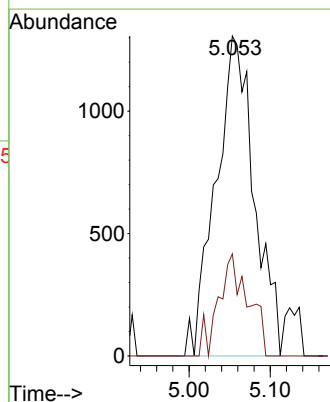
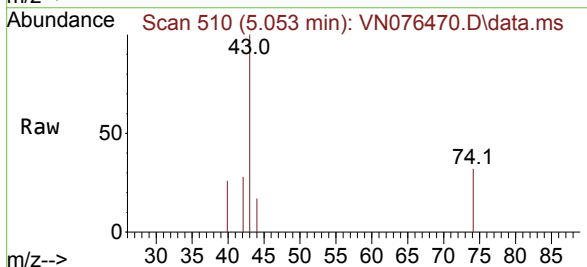
Instrument :
MSVOA_N
ClientSampleId :

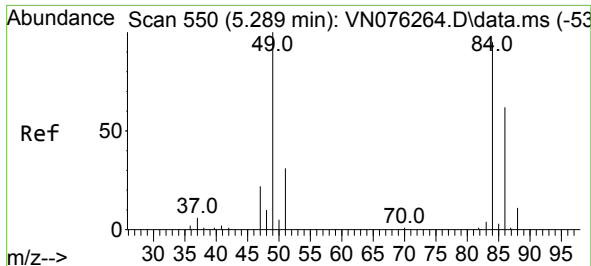
Tgt Ion: 43 Resp: 34277
Ion Ratio Lower Upper
43 100
58 29.7 26.7 40.1



#18
Methyl Acetate
Concen: 0.914 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

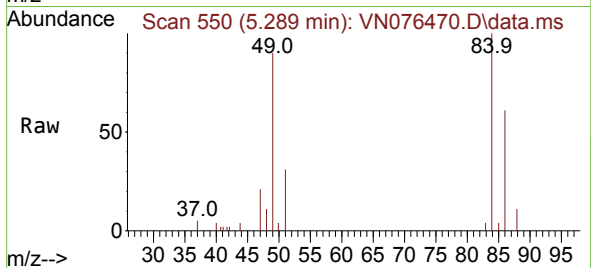
Tgt Ion: 43 Resp: 4298
Ion Ratio Lower Upper
43 100
74 24.6 23.3 34.9



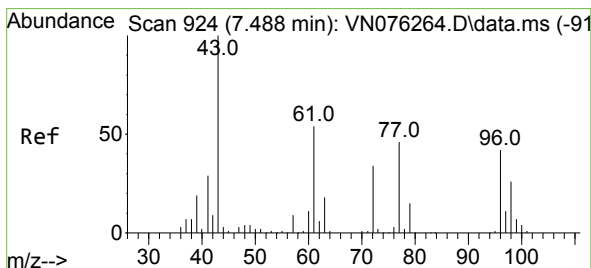
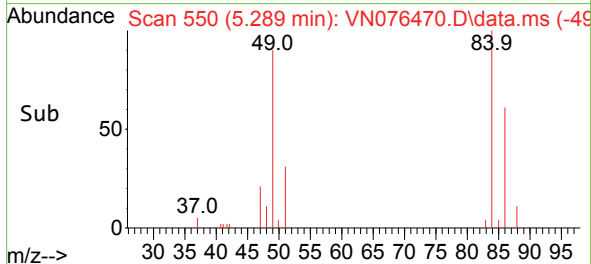
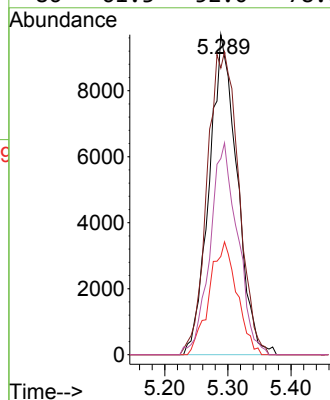


#20
Methylene Chloride
Concen: 6.739 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Instrument :
MSVOA_N
ClientSampleId :

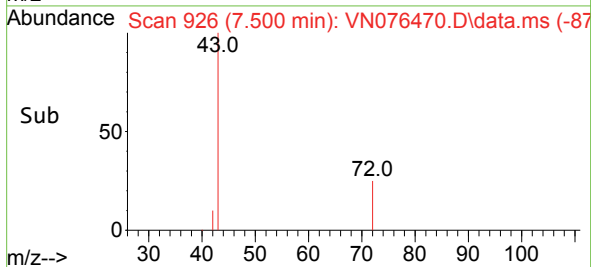
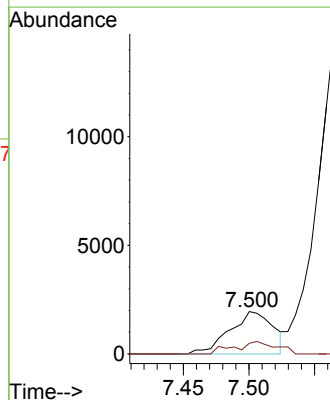
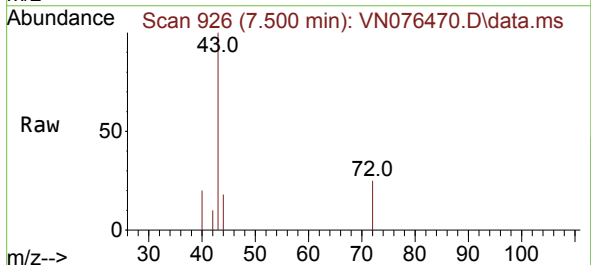


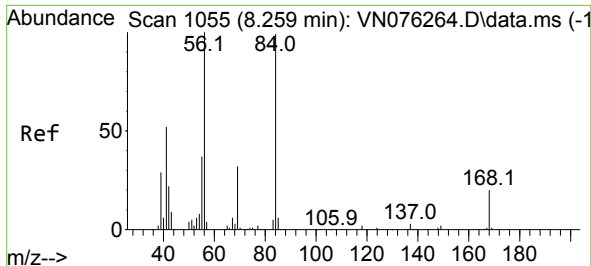
Tgt Ion: 84	Resp: 29796
Ion Ratio	Lower Upper
84 100	
49 89.6	84.5 126.7
51 30.7	26.0 39.0
86 61.3	52.0 78.0



#25
2-Butanone
Concen: 2.113 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

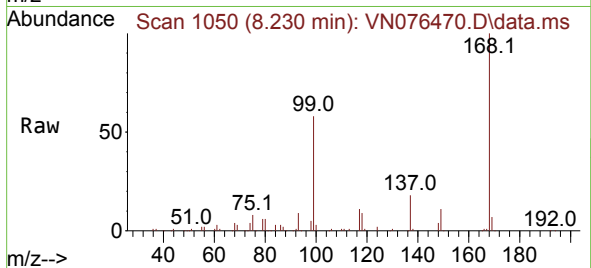
Tgt Ion: 43	Resp: 4476		
Ion Ratio	Lower	Upper	
43 100			
72 25.3	27.4	41.2#	



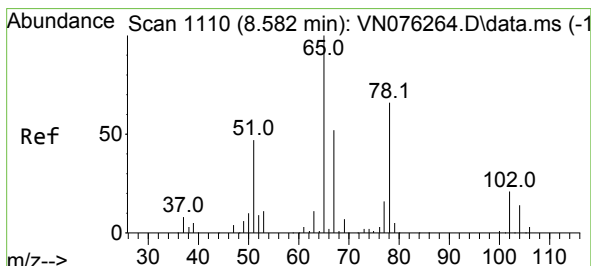
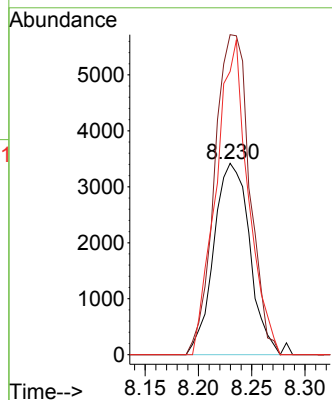
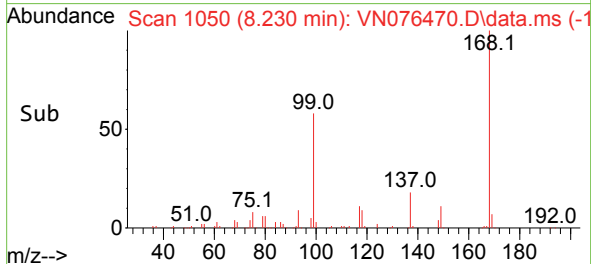


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Instrument :
MSVOA_N
ClientSampleId :

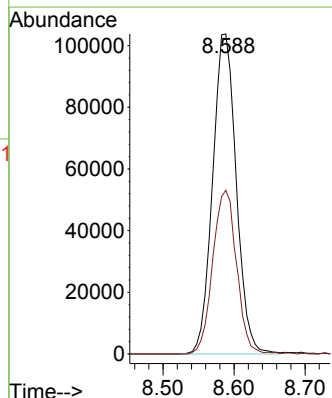
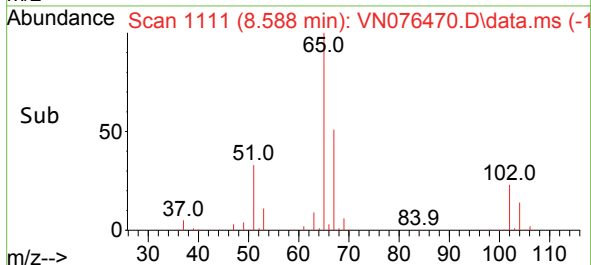
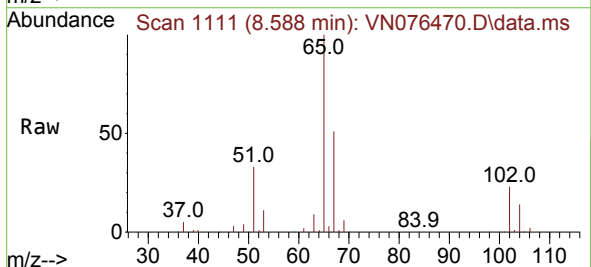


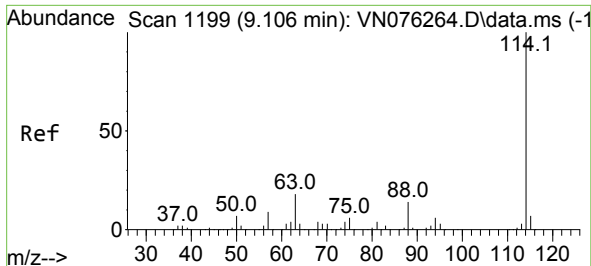
Tgt Ion: 56 Resp: 7997
Ion Ratio Lower Upper
56 100
69 167.3 25.8 38.8#
84 148.0 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 55.391 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion: 65 Resp: 239639
Ion Ratio Lower Upper
65 100
67 51.5 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: VN076470.D

Acq: 30 Jan 2023 20:30

Instrument :

MSVOA_N

ClientSampleId :

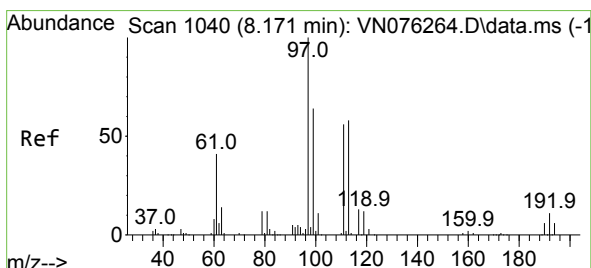
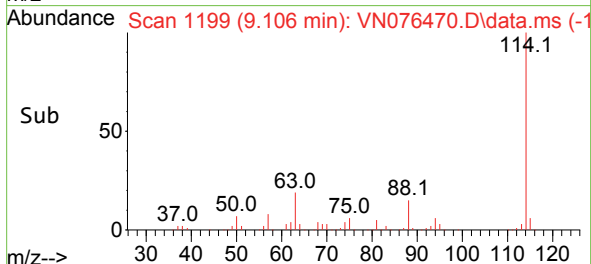
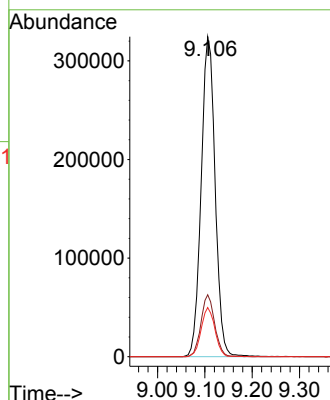
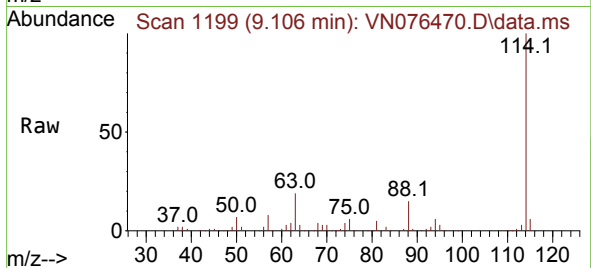
Tgt Ion:114 Resp: 665246

Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.8

88 15.3 0.0 28.0



#35

Dibromofluoromethane

Concen: 48.516 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076470.D

Acq: 30 Jan 2023 20:30

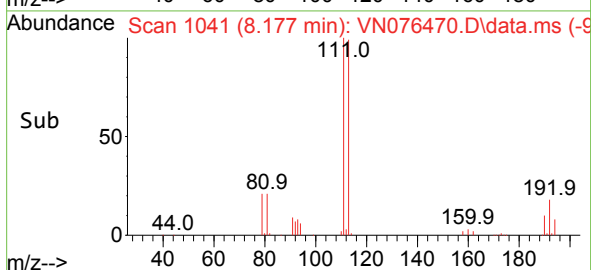
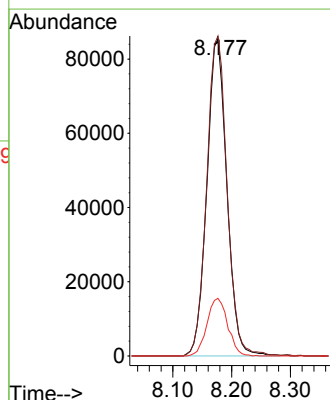
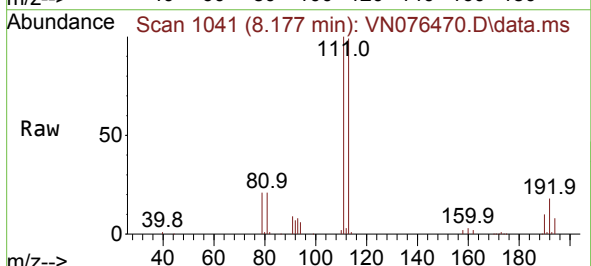
Tgt Ion:113 Resp: 201896

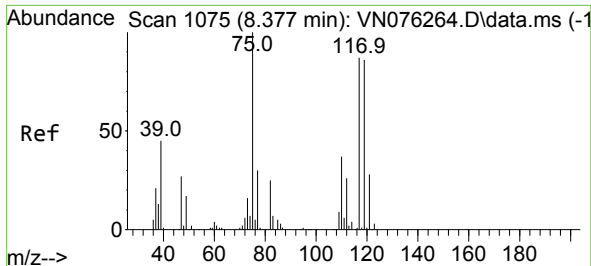
Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

192 18.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.168 ug/l

RT: 8.230 min Scan# 1075

Delta R.T. -0.147 min

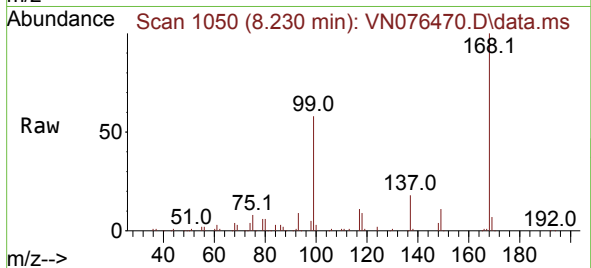
Lab File: VN076470.D

Acq: 30 Jan 2023 20:30

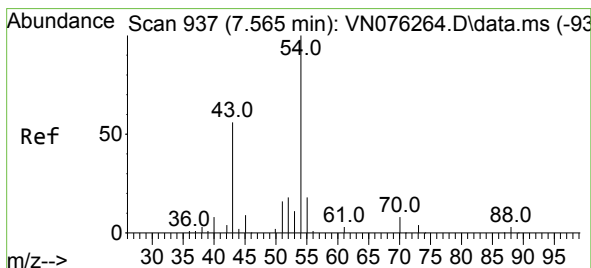
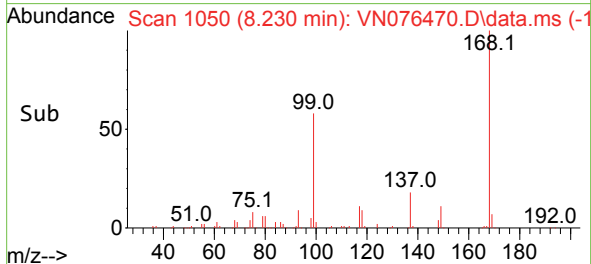
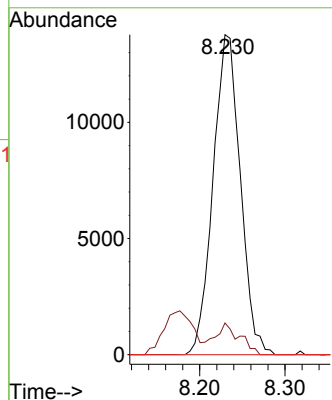
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	30557
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.8	56.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 8.764 ug/l

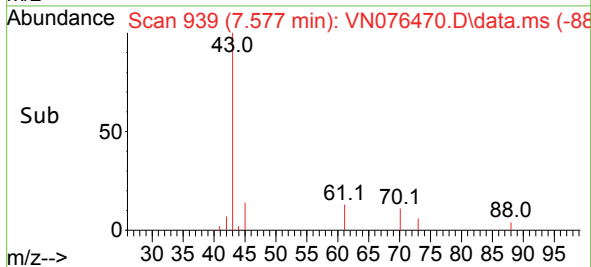
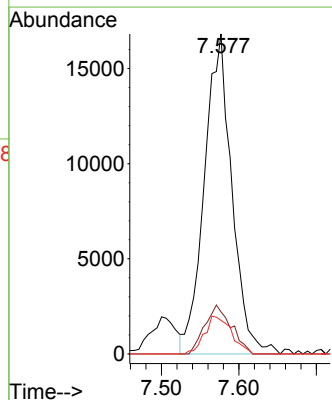
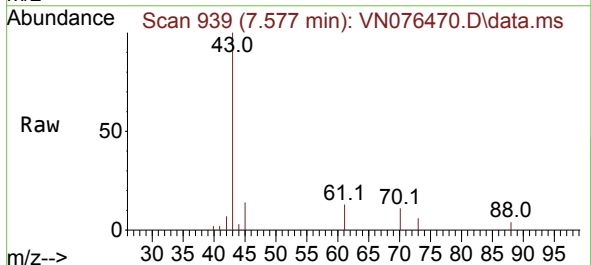
RT: 7.577 min Scan# 939

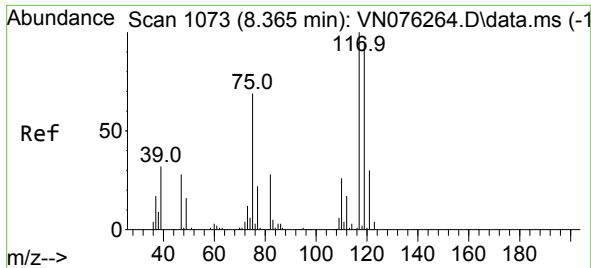
Delta R.T. 0.012 min

Lab File: VN076470.D

Acq: 30 Jan 2023 20:30

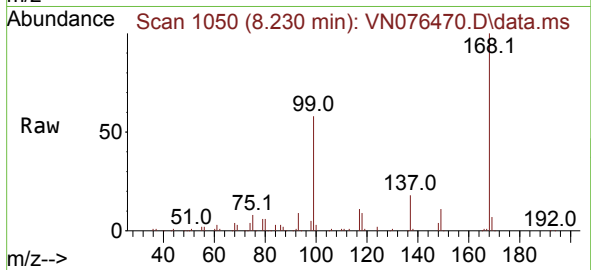
Tgt Ion:	43	Resp:	41426
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	11.5	10.0	15.0



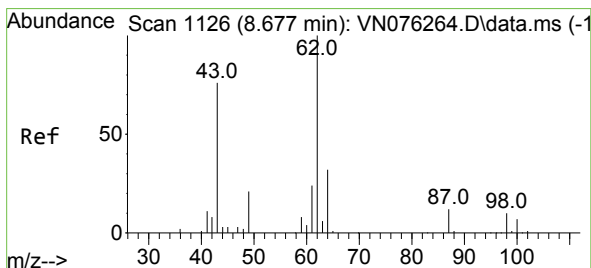
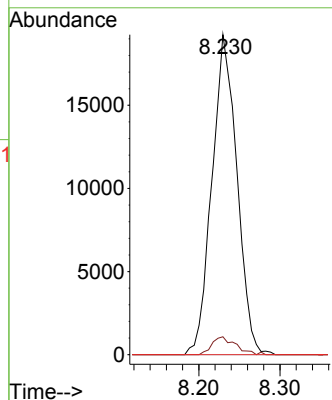
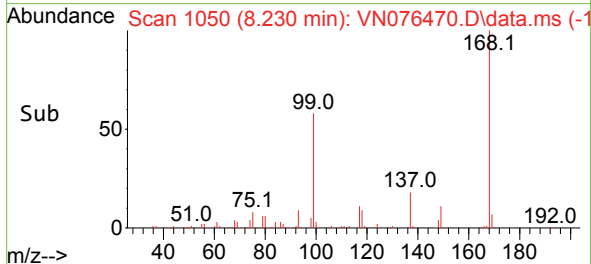


#38
Carbon Tetrachloride
Concen: 6.252 ug/l
RT: 8.230 min Scan# 1129
Delta R.T. -0.135 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Instrument :
MSVOA_N
ClientSampleId :

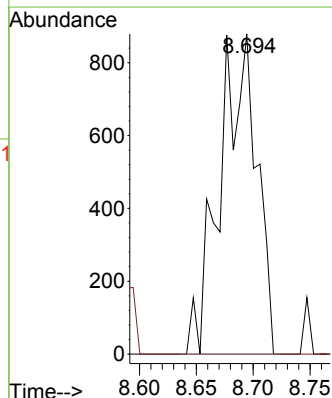
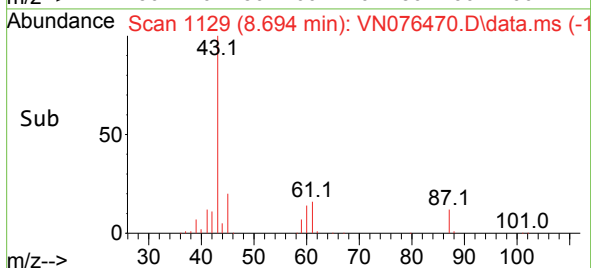
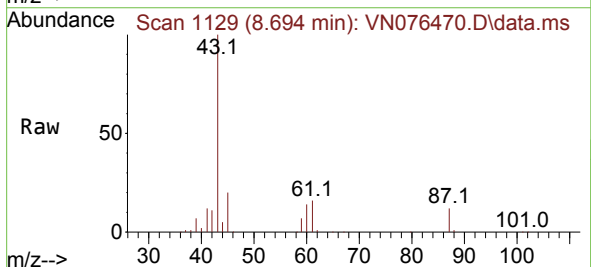


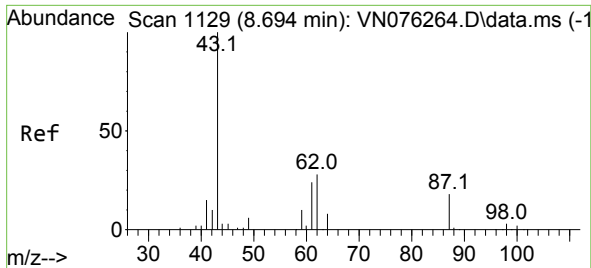
Tgt Ion:117 Resp: 41227
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.0#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.328 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion: 62 Resp: 1984
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4

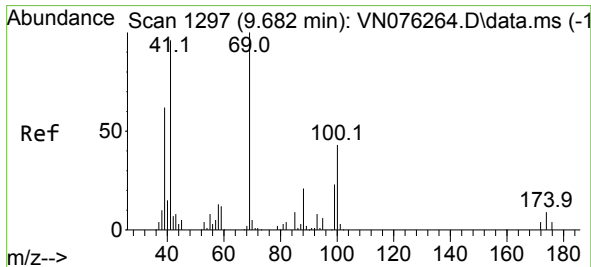
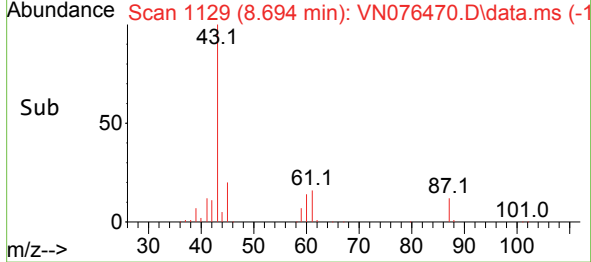
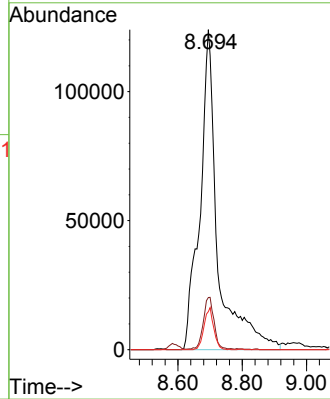
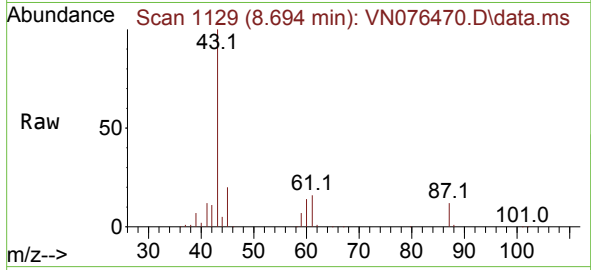




#43
Isopropyl Acetate
Concen: 61.957 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

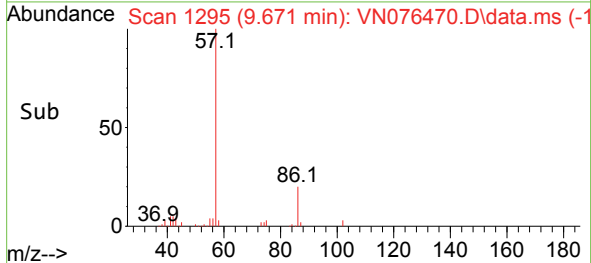
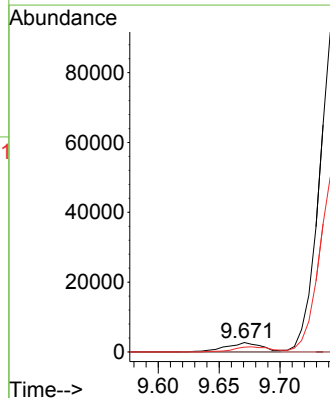
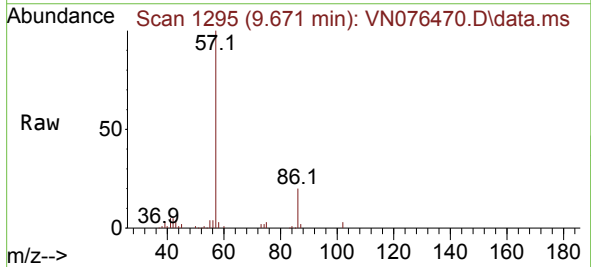
Instrument :
MSVOA_N
ClientSampleId :

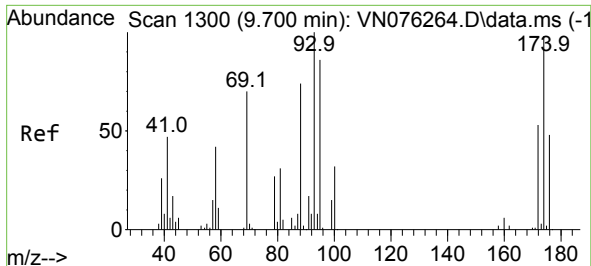
Tgt Ion: 43 Resp: 478048
Ion Ratio Lower Upper
43 100
61 10.0 23.5 35.3#
87 7.1 13.8 20.6#



#48
Methyl methacrylate
Concen: 1.519 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion: 41 Resp: 5547
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 58.6 54.4 81.6





#49

1,4-Dioxane

Concen: 0.778 ug/l

RT: 9.659 min Scan# 1293

Delta R.T. -0.041 min

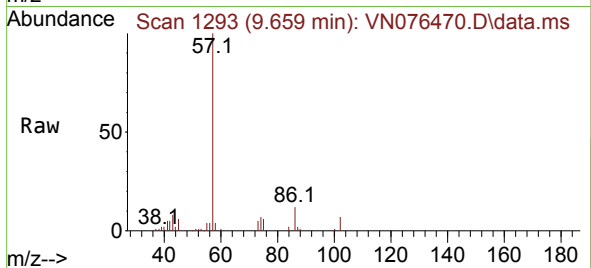
Lab File: VN076470.D

Acq: 30 Jan 2023 20:30

Instrument :

MSVOA_N

ClientSampleId :



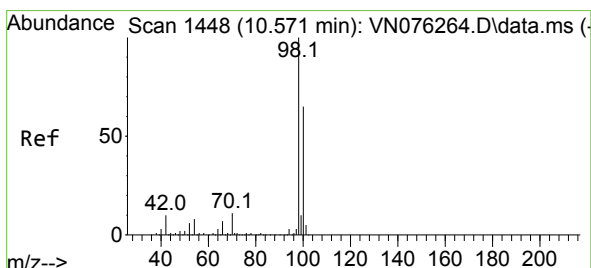
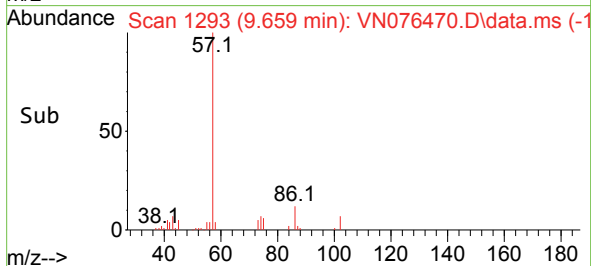
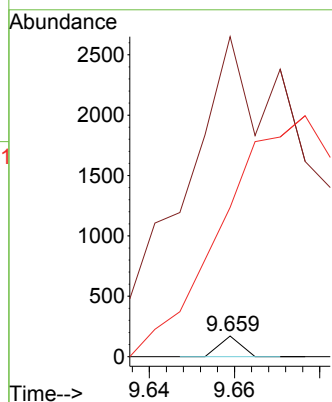
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 18.1 27.1#

58 7645.0 46.5 69.7#



#50

Toluene-d8

Concen: 51.301 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076470.D

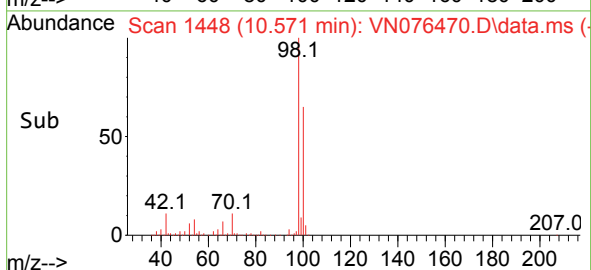
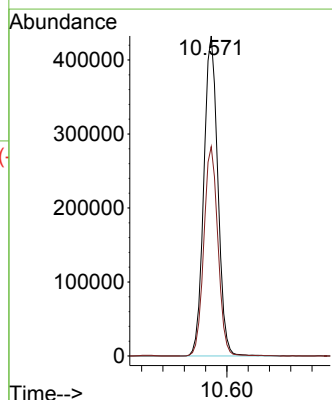
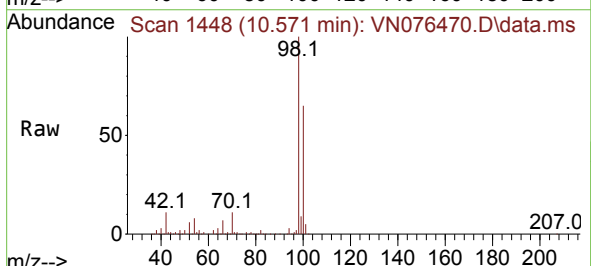
Acq: 30 Jan 2023 20:30

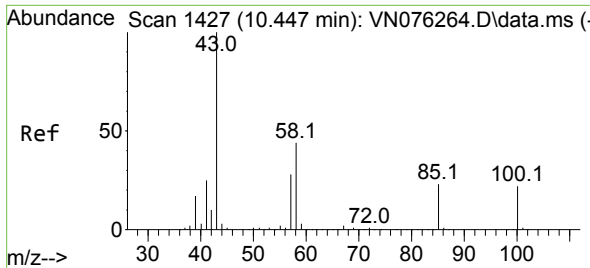
Tgt Ion: 98 Resp: 788418

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4

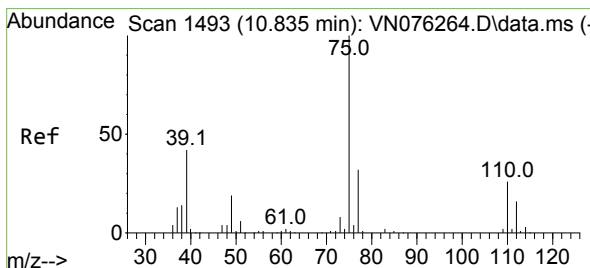
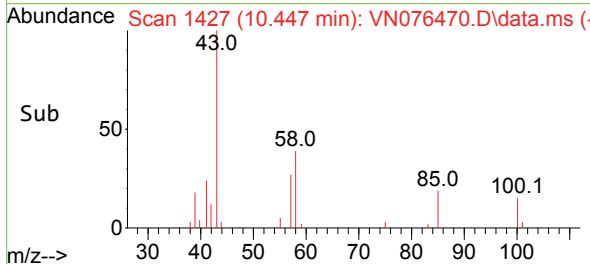
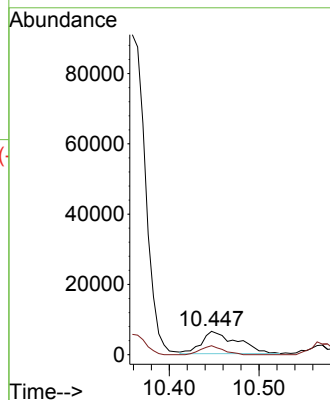
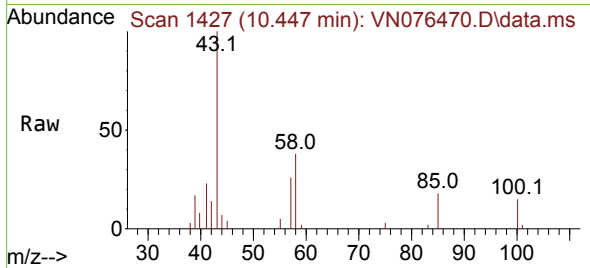




#51
4-Methyl-2-Pentanone
Concen: 3.859 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

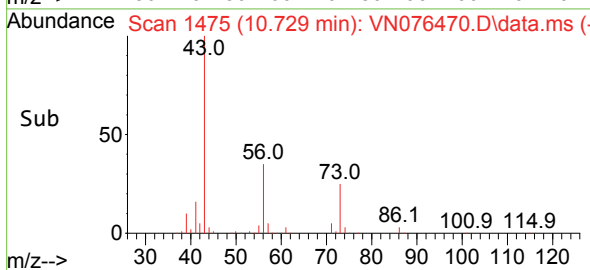
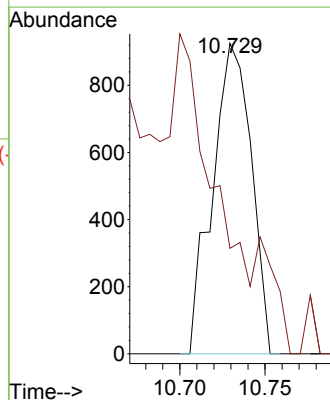
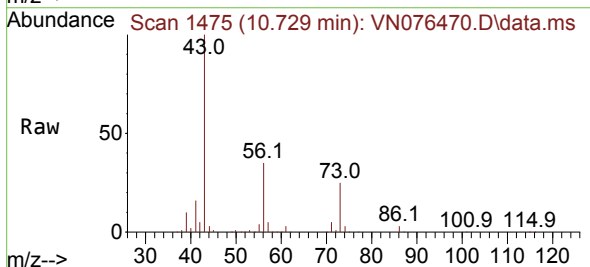
Instrument :
MSVOA_N
ClientSampleId :

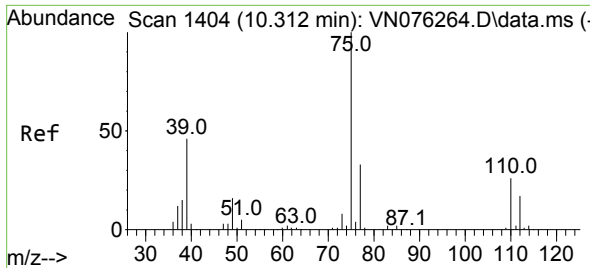
Tgt Ion: 43 Resp: 17480
Ion Ratio Lower Upper
43 100
58 25.1 35.1 52.7#



#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion: 75 Resp: 1467
Ion Ratio Lower Upper
75 100
77 13.8 25.8 38.6#

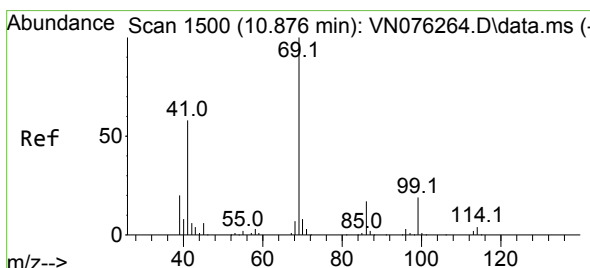
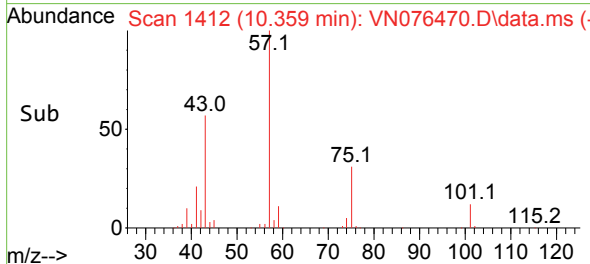
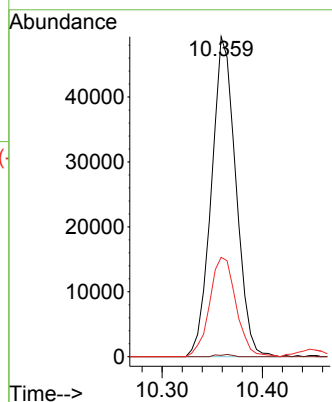
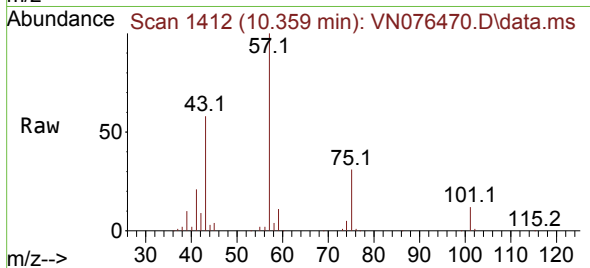




#54
cis-1,3-Dichloropropene
Concen: 12.247 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

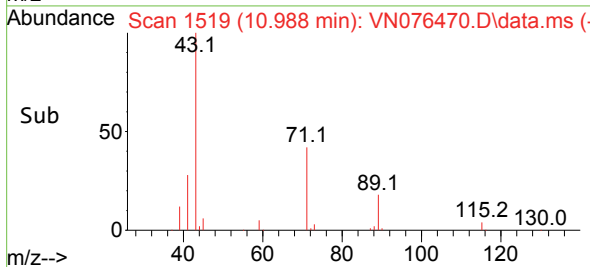
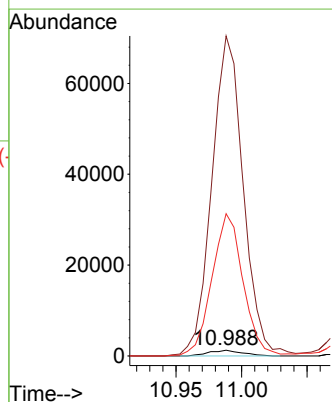
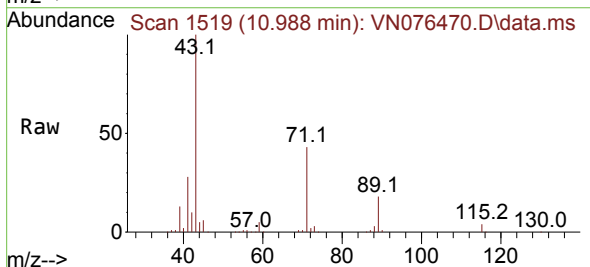
Instrument :
MSVOA_N
ClientSampleId :

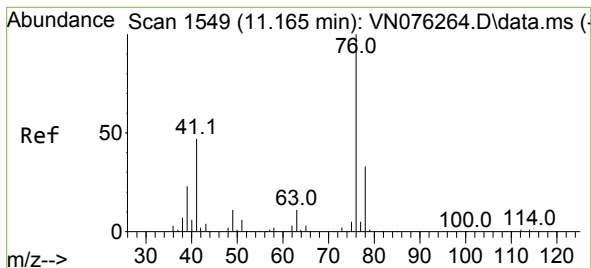
Tgt Ion: 75 Resp: 83261
Ion Ratio Lower Upper
75 100
77 0.4 26.5 39.7#
39 31.0 37.1 55.7#



#56
Ethyl methacrylate
Concen: 0.385 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion: 69 Resp: 2244
Ion Ratio Lower Upper
69 100
41 5239.4 45.3 67.9#
39 2312.9 29.3 43.9#





#57

1,3-Dichloropropane

Concen: 1.515 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076470.D

Acq: 30 Jan 2023 20:30

Instrument :

MSVOA_N

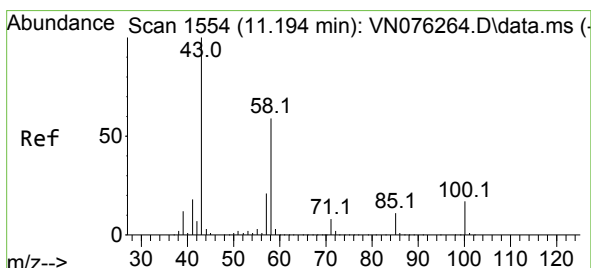
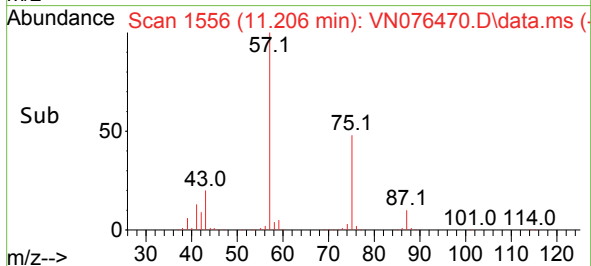
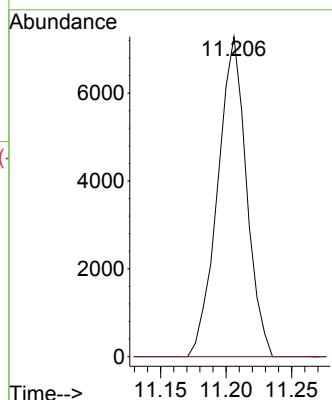
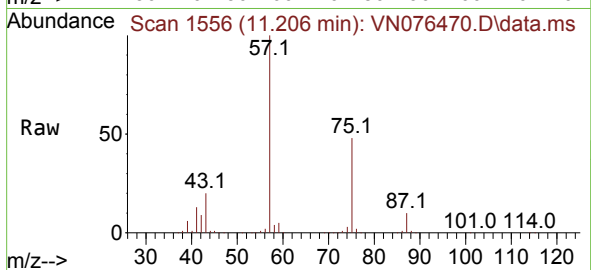
ClientSampleId :

Tgt Ion: 76 Resp: 11124

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 52.465 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.023 min

Lab File: VN076470.D

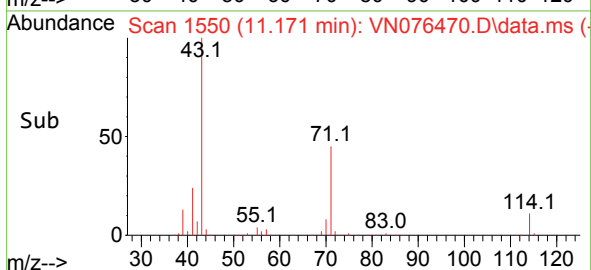
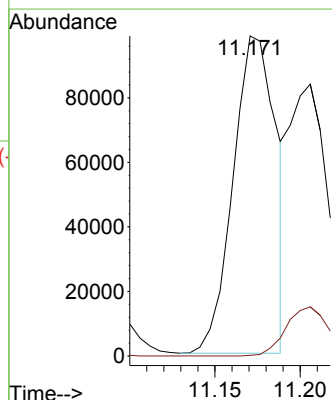
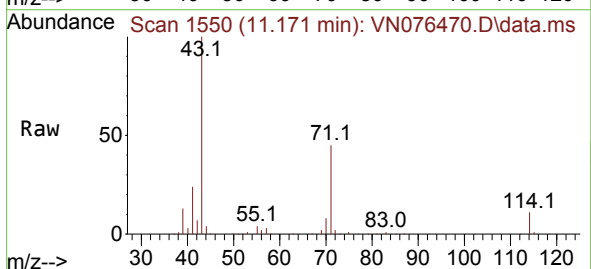
Acq: 30 Jan 2023 20:30

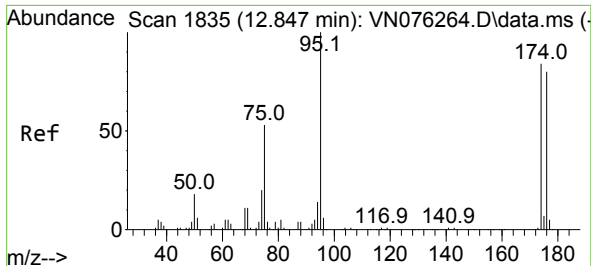
Tgt Ion: 43 Resp: 172207

Ion Ratio Lower Upper

43 100

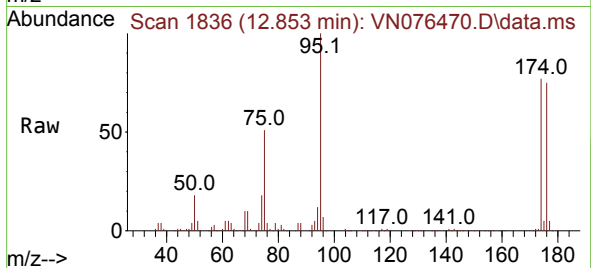
58 0.0 30.1 90.3#



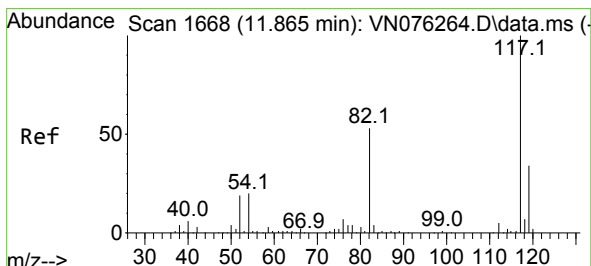
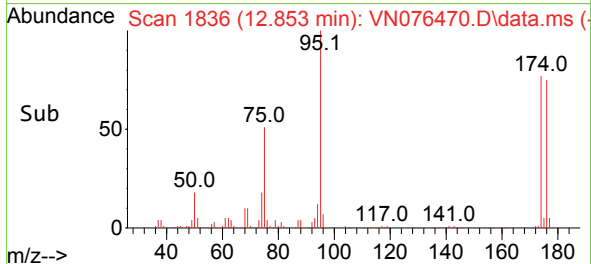
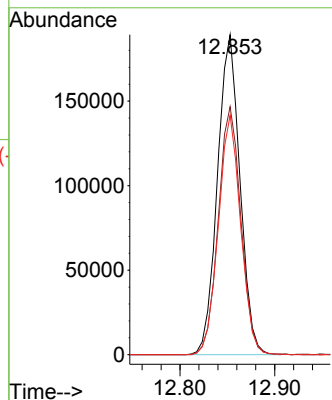


#62
4-Bromofluorobenzene
Concen: 62.340 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Instrument :
MSVOA_N
ClientSampleId :

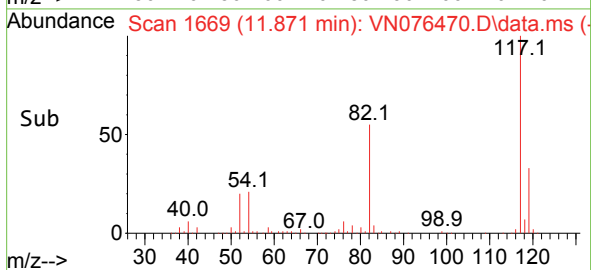
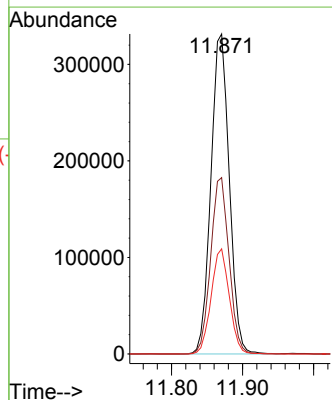
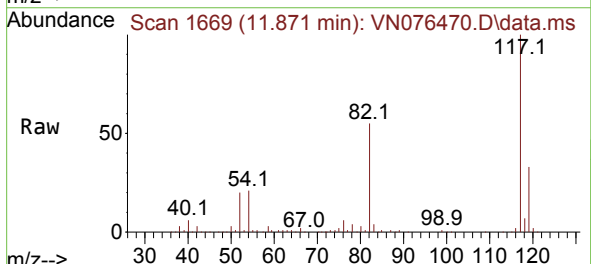


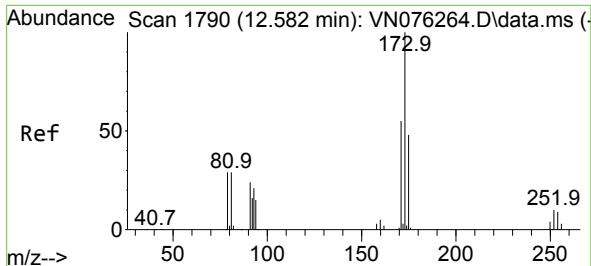
Tgt Ion: 95 Resp: 312764
Ion Ratio Lower Upper
95 100
174 77.8 0.0 174.6
176 74.0 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

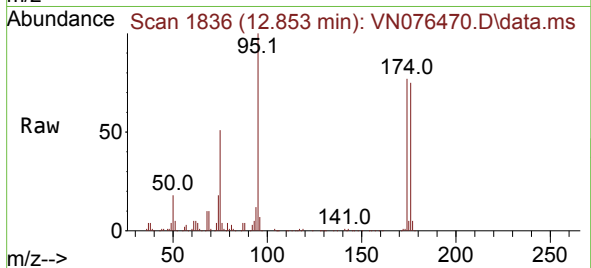
Tgt Ion: 117 Resp: 595017
Ion Ratio Lower Upper
117 100
82 55.1 42.2 63.2
119 32.8 26.9 40.3



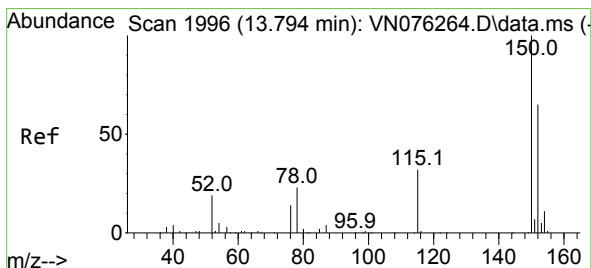
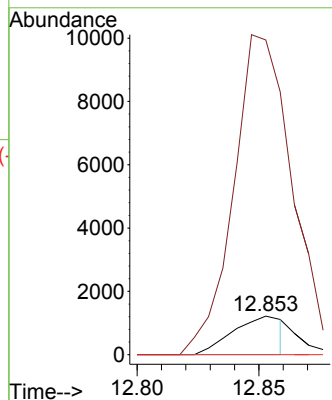
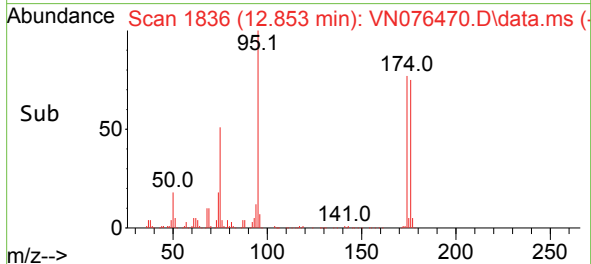


#71
Bromoform
Concen: 0.514 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Instrument :
MSVOA_N
ClientSampleId :

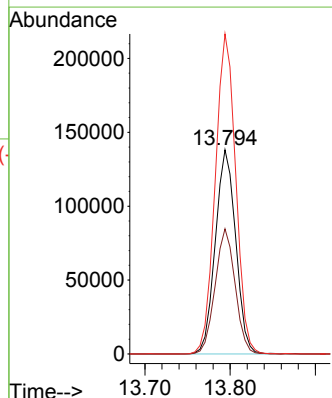
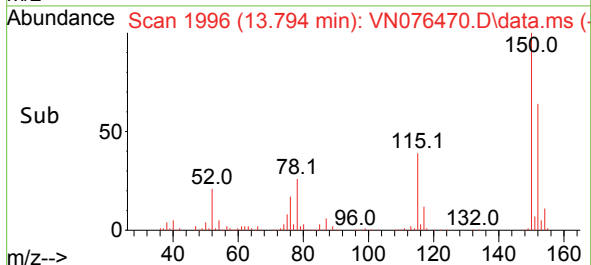
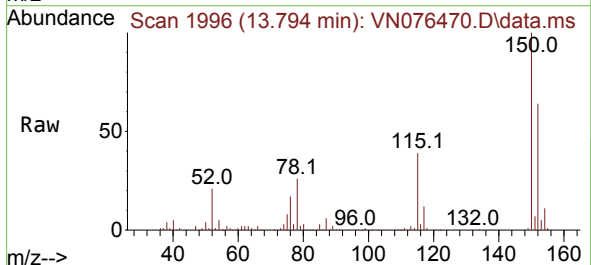


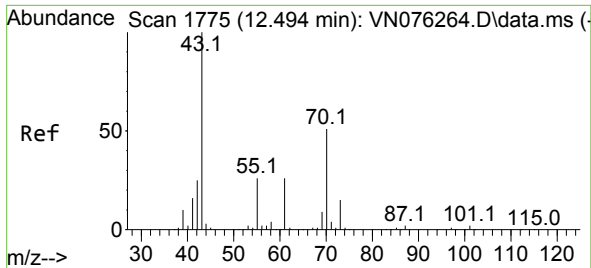
Tgt Ion:173 Resp: 1737
Ion Ratio Lower Upper
173 100
175 790.8 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion:152 Resp: 229881
Ion Ratio Lower Upper
152 100
115 60.2 29.6 88.9
150 157.1 0.0 351.4

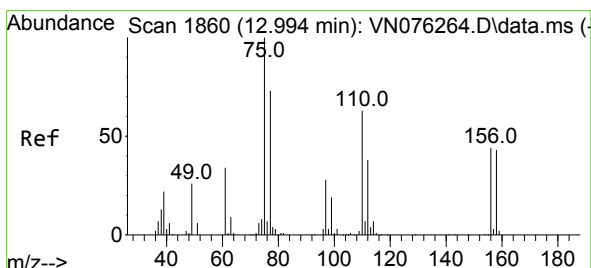
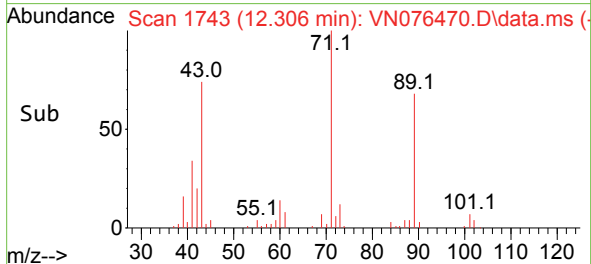
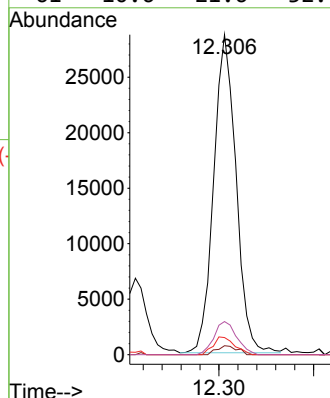
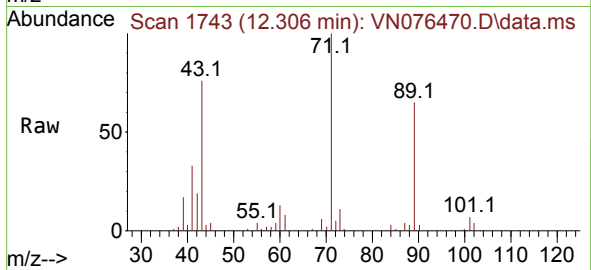




#74
N-amy1 acetate
Concen: 9.187 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

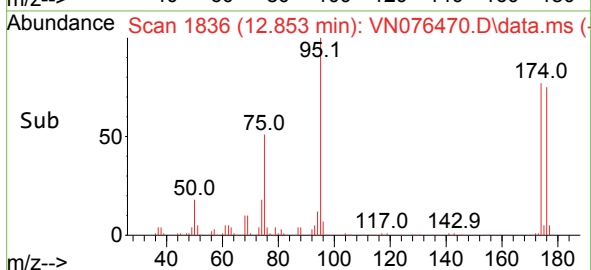
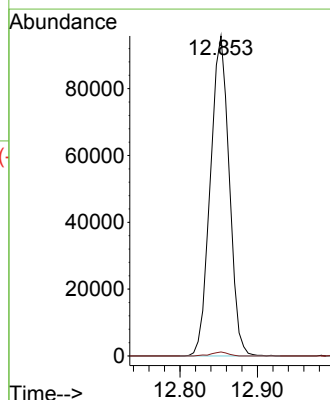
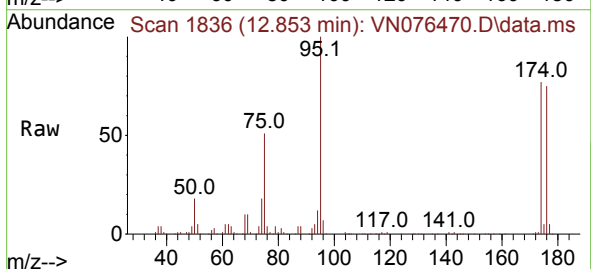
Instrument :
MSVOA_N
ClientSampleId :

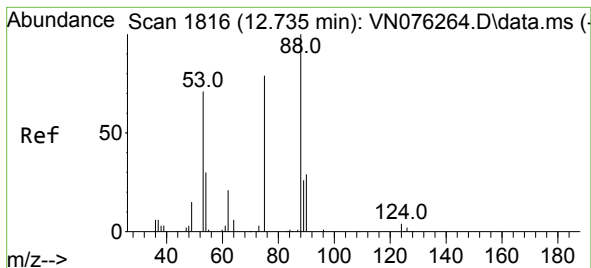
Tgt Ion: 43	Resp: 46997
Ion Ratio	Lower Upper
43 100	
70 2.6	41.2 61.8#
55 5.3	21.0 31.6#
61 10.6	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 38.611 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion: 75	Resp: 162602
Ion Ratio	Lower Upper
75 100	
77 1.1	75.2 225.6#

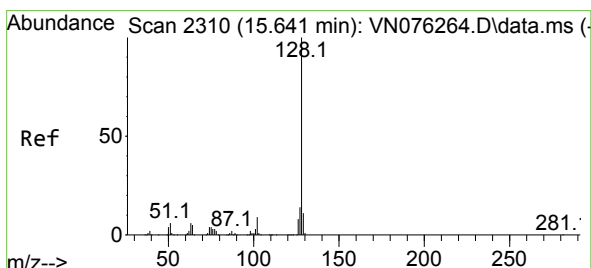
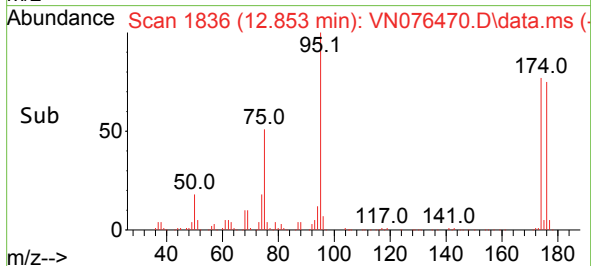
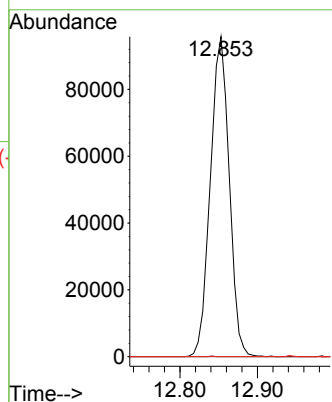
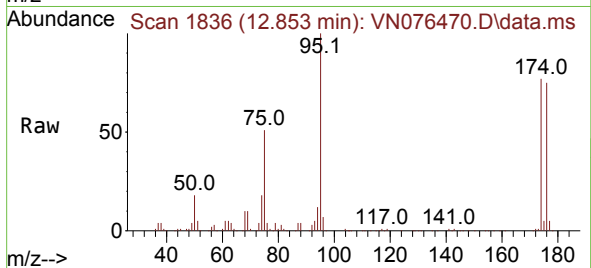




#81
trans-1,4-Dichloro-2-butene
Concen: 117.688 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 162602
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.921 ug/l
RT: 15.629 min Scan# 2308
Delta R.T. -0.012 min
Lab File: VN076470.D
Acq: 30 Jan 2023 20:30

Tgt Ion:128 Resp: 1018
Ion Ratio Lower Upper
128 100
127 5.3 10.3 15.5#
129 0.0 8.6 13.0#

