

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076458.D
 Acq On : 30 Jan 2023 15:41
 Operator : JC\MD
 Sample : PB150523ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:40:51 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

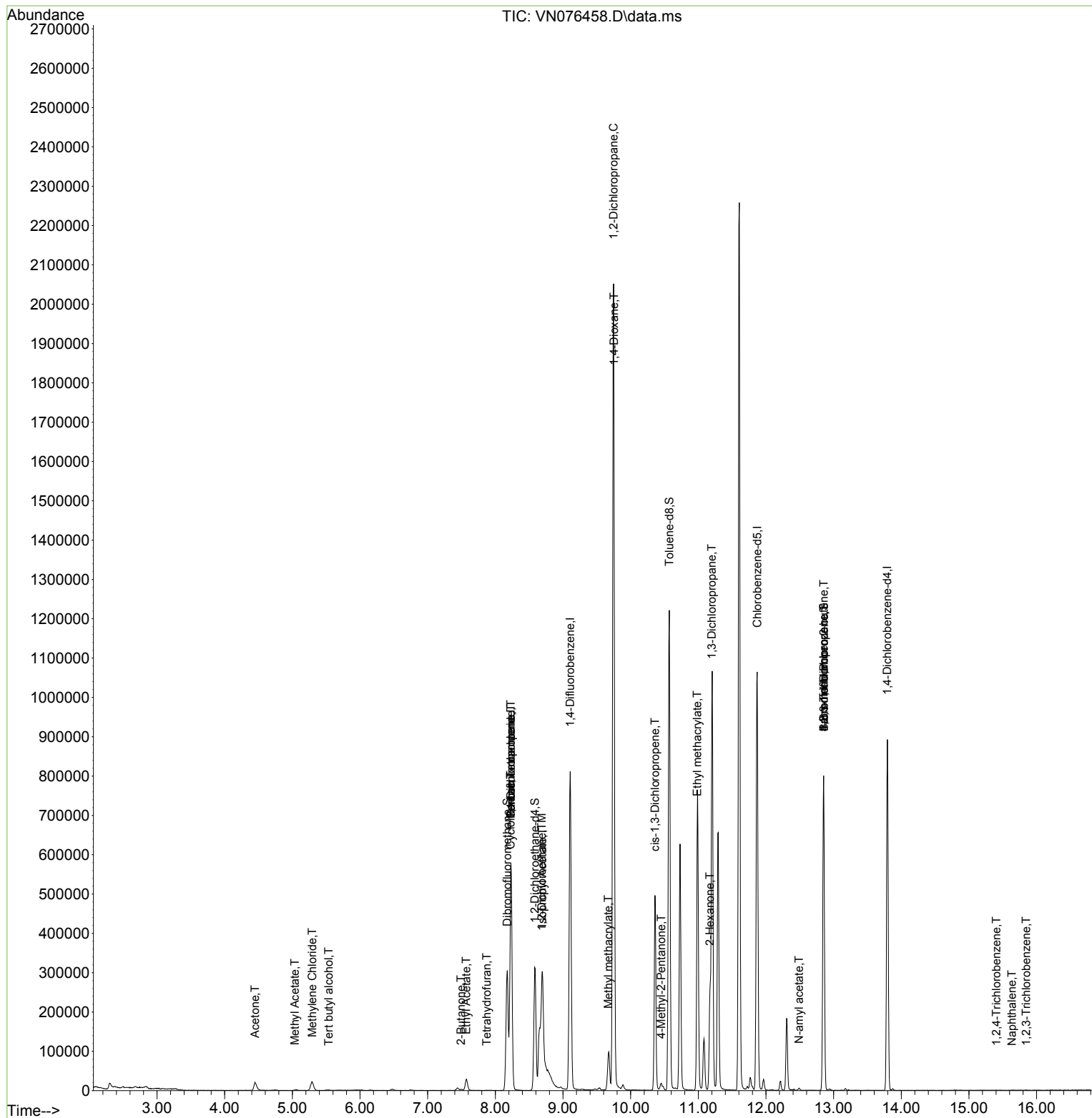
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	421160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	717723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	634671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	260958	55.339	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.680%	
35) Dibromofluoromethane	8.177	113	215756	48.056	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.120%	
50) Toluene-d8	10.571	98	844443	50.929	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	12.853	95	270360	49.948	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.900%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	768	1.218	ug/l	# 72
16) Acetone	4.448	43	37981	25.059	ug/l	95
18) Methyl Acetate	5.036	43	1944	0.379	ug/l	94
20) Methylene Chloride	5.295	84	18398	3.553	ug/l	95
25) 2-Butanone	7.494	43	5081	2.201	ug/l	# 85
29) Tetrahydrofuran	7.871	42	351	0.246	ug/l	# 25
31) Cyclohexane	8.224	56	8925	1.232	ug/l	# 46
36) 1,1-Dichloropropene	8.230	75	33117	5.191	ug/l	# 48
37) Ethyl Acetate	7.571	43	41478	8.136	ug/l	97
38) Carbon Tetrachloride	8.230	117	44931	6.316	ug/l	# 17
42) 1,2-Dichloroethane	8.688	62	2437	0.373	ug/l	# 73
43) Isopropyl Acetate	8.694	43	562612	67.585	ug/l	# 67
45) 1,2-Dichloropropane	9.747	63	2481	0.543	ug/l	# 42
48) Methyl methacrylate	9.671	41	5946	1.509	ug/l	# 34
49) 1,4-Dioxane	9.753	88	204	2.453	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.453	43	11176	2.287	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	92139	12.562	ug/l	# 65
56) Ethyl methacrylate	10.982	69	2775	0.441	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	12143	1.532	ug/l	# 42
59) 2-Hexanone	11.171	43	190617	53.828	ug/l	# 21
71) Bromoform	12.853	173	1465	0.406	ug/l	# 1
74) N-amyl acetate	12.488	43	2719	0.498	ug/l	# 39
76) 1,2,3-Trichloropropane	12.853	75	145921	32.283	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	145921	98.871	ug/l	# 11
93) 1,2,4-Trichlorobenzene	15.406	180	79	1.323	ug/l	# 1
95) Naphthalene	15.635	128	1201	1.930	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.847	180	132	1.185	ug/l	# 12

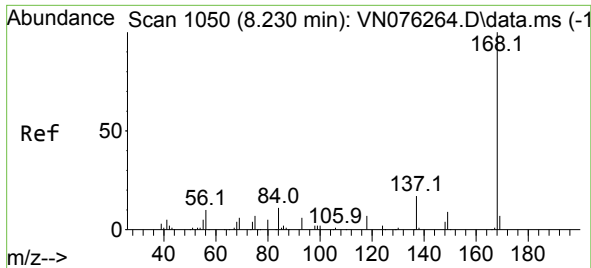
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
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Sample : PB150523ZHE#06
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Response via : Initial Calibration

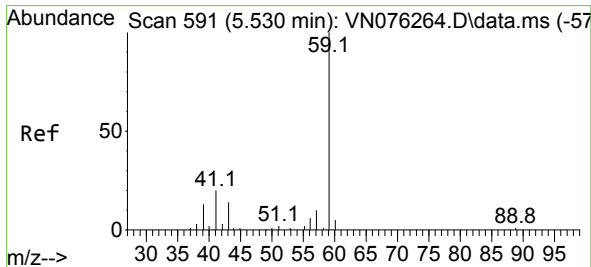
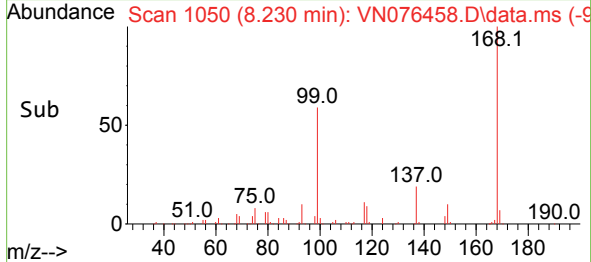
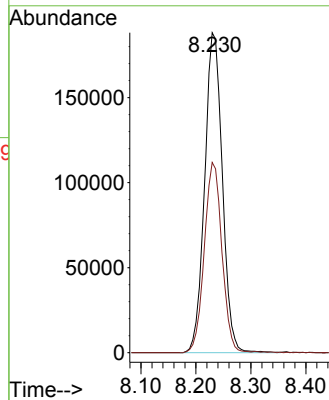
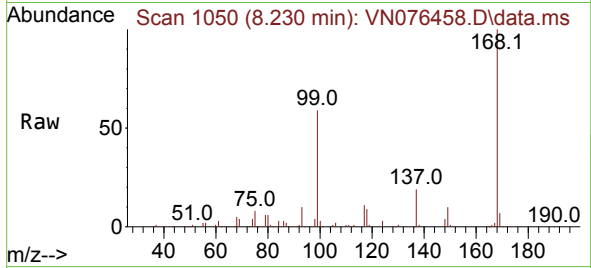




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

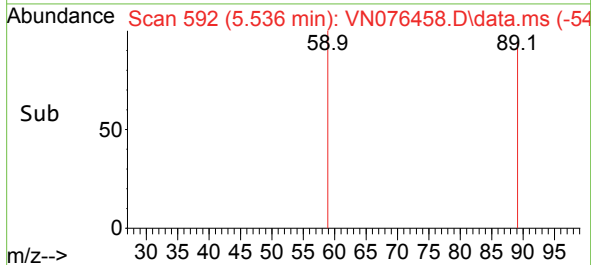
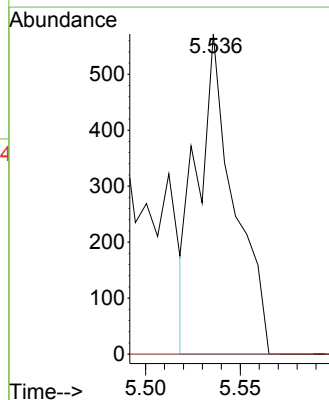
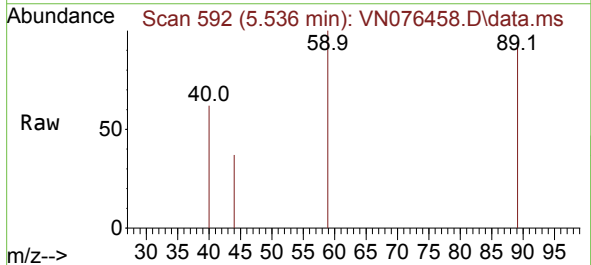
Instrument :
MSVOA_N
ClientSampleId :

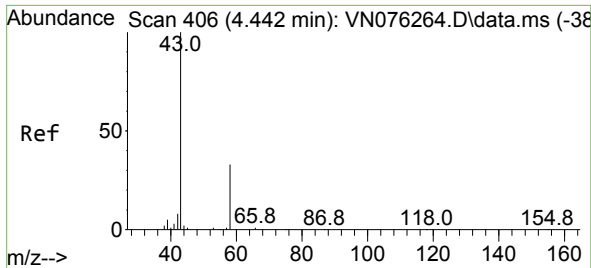
Tgt Ion:168 Resp: 421160
Ion Ratio Lower Upper
168 100
99 59.5 41.6 62.4



#11
Tert butyl alcohol
Concen: 1.218 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Tgt Ion: 59 Resp: 768
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

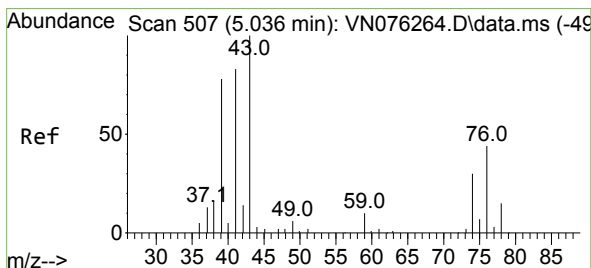
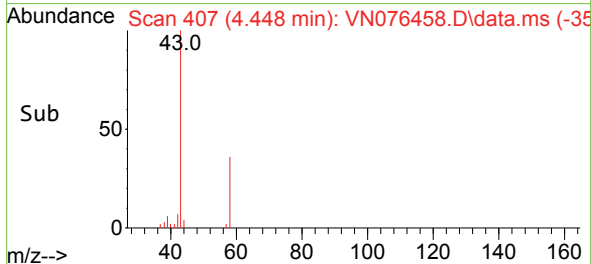
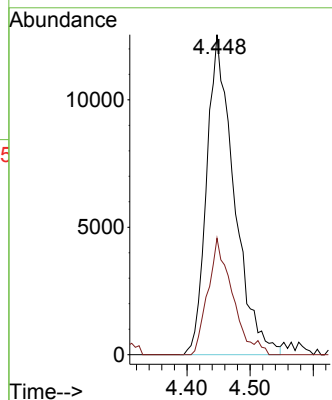
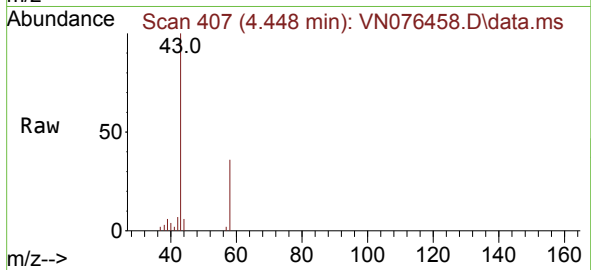




#16
Acetone
Concen: 25.059 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

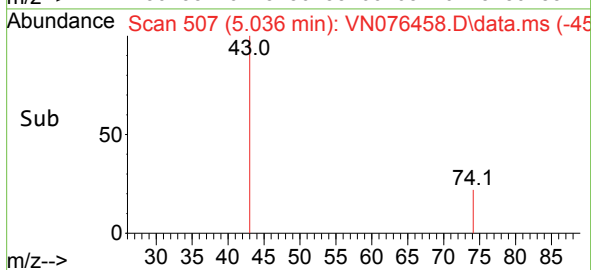
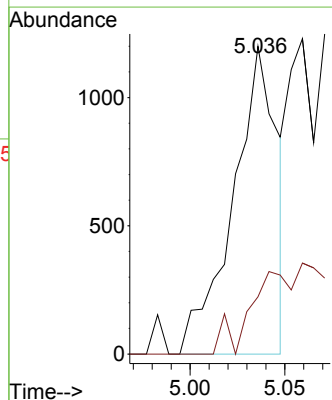
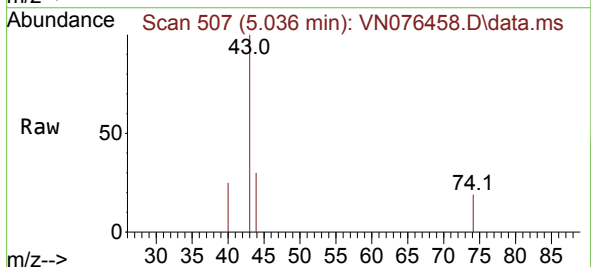
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 37981
Ion Ratio Lower Upper
43 100
58 36.4 26.7 40.1



#18
Methyl Acetate
Concen: 0.379 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

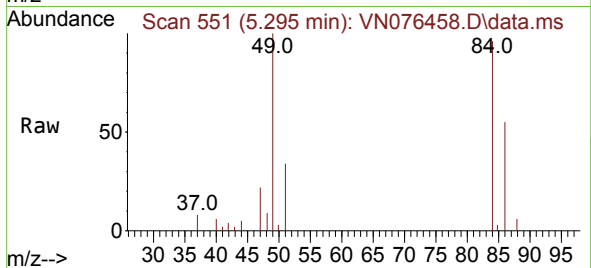
Tgt Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
74 25.9 23.3 34.9



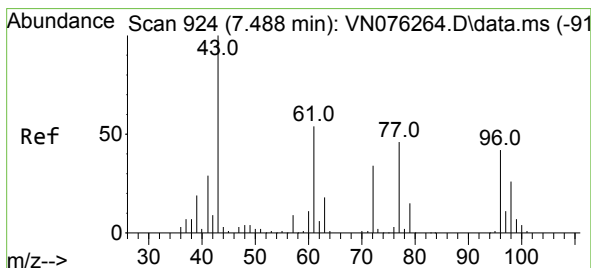
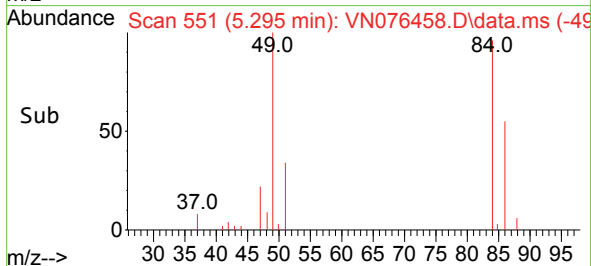
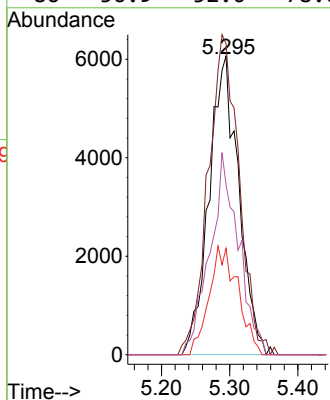


#20
Methylene Chloride
Concen: 3.553 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

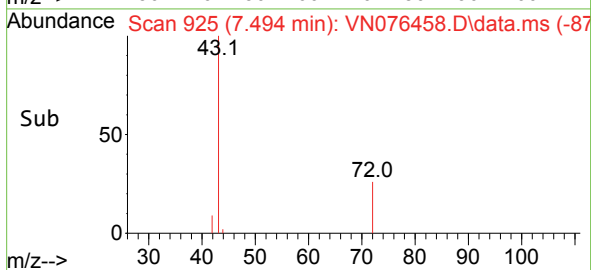
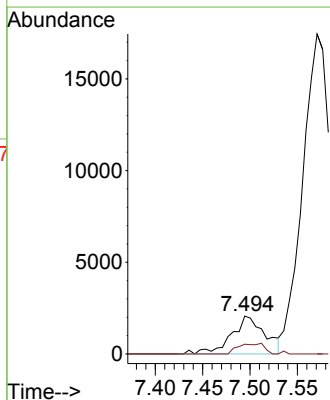
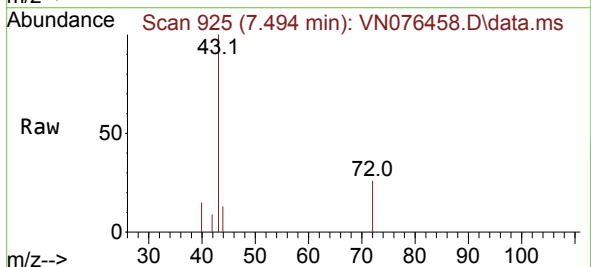


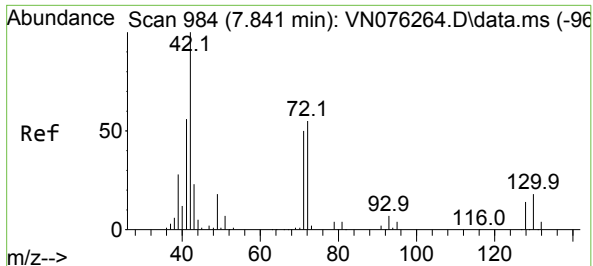
Tgt Ion:	84	Resp:	18398
Ion	Ratio	Lower	Upper
84	100		
49	104.2	84.5	126.7
51	35.6	26.0	39.0
86	56.9	52.0	78.0



#25
2-Butanone
Concen: 2.201 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Tgt Ion:	43	Resp:	5081
Ion	Ratio	Lower	Upper
43	100		
72	25.6	27.4	41.2#





#29

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 7.871 min Scan# 91

Delta R.T. 0.030 min

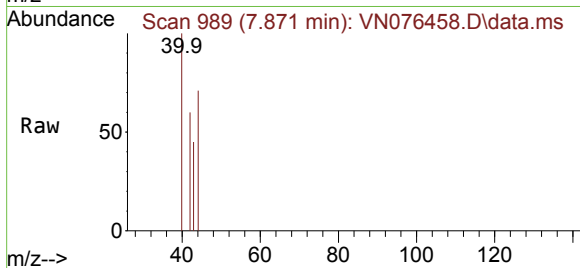
Lab File: VN076458.D

Acq: 30 Jan 2023 15:41

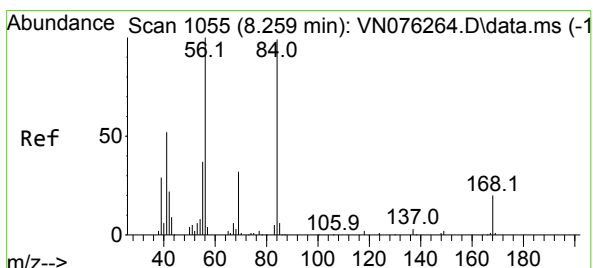
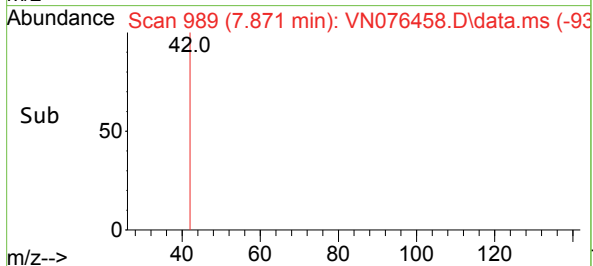
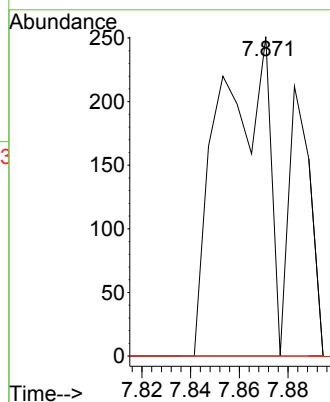
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 351
Ion Ratio	Lower Upper
42	100
72	0.0 44.0 66.0#
71	0.0 41.1 61.7#



#31

Cyclohexane

Concen: 1.232 ug/l

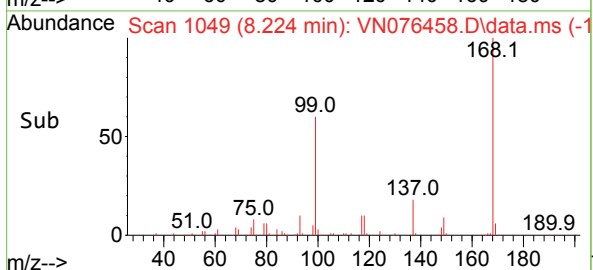
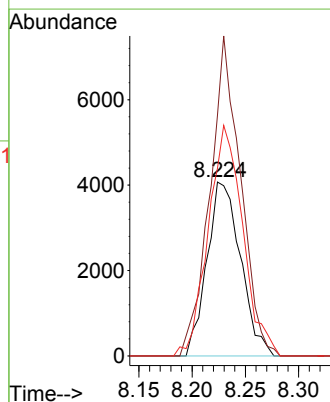
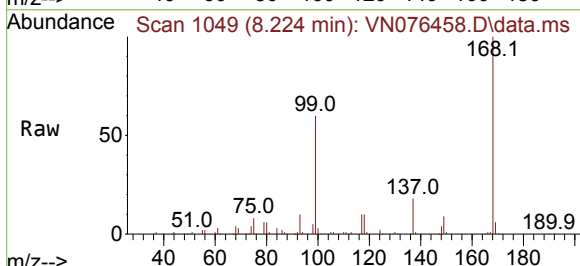
RT: 8.224 min Scan# 1049

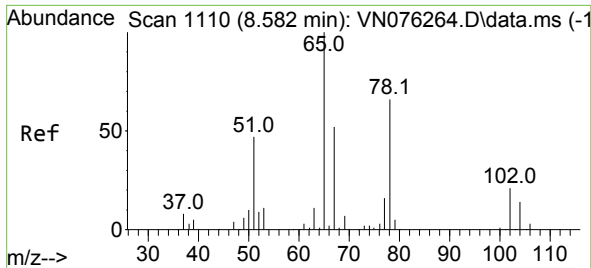
Delta R.T. -0.035 min

Lab File: VN076458.D

Acq: 30 Jan 2023 15:41

Tgt Ion: 56	Resp: 8925
Ion Ratio	Lower Upper
56	100
69	138.5 25.8 38.8#
84	107.9 79.0 118.4

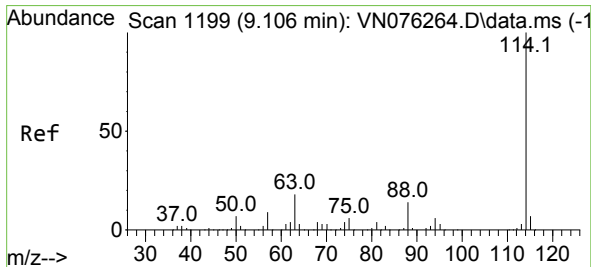
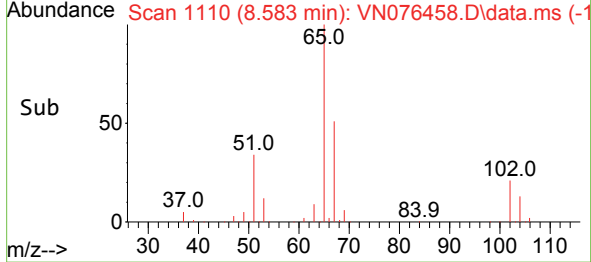
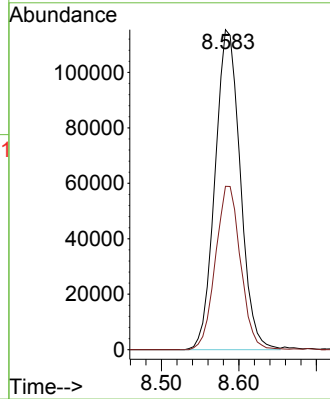
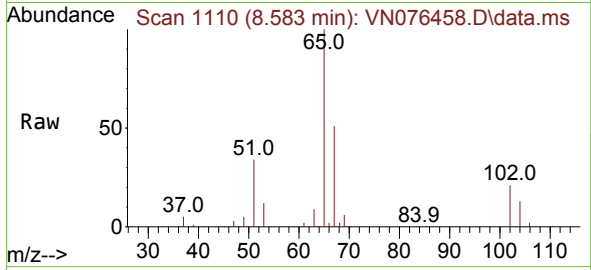




#33
 1,2-Dichloroethane-d4
 Concen: 55.339 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. 0.001 min
 Lab File: VN076458.D
 Acq: 30 Jan 2023 15:41

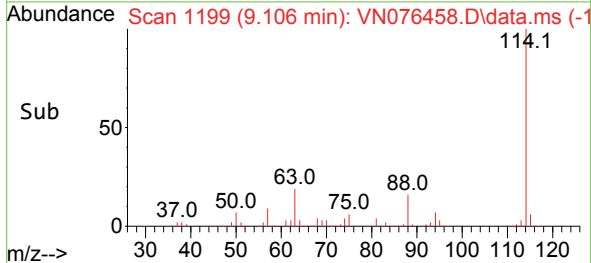
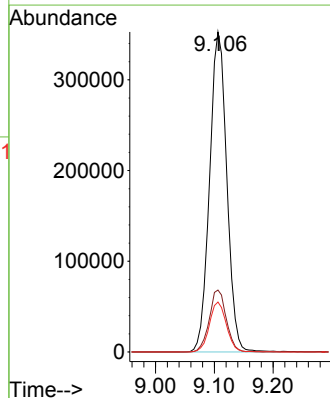
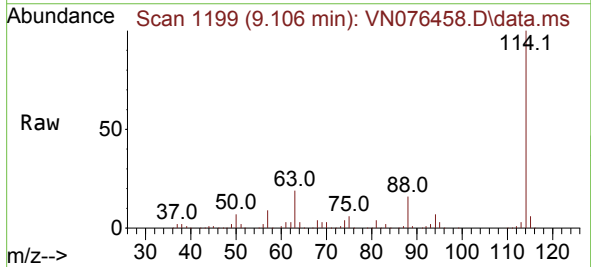
Instrument :
 MSVOA_N
 ClientSampleId :

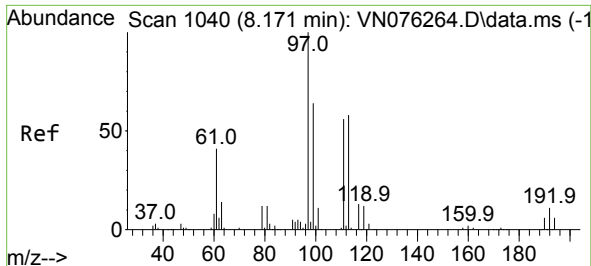
Tgt Ion: 65 Resp: 260958
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN076458.D
 Acq: 30 Jan 2023 15:41

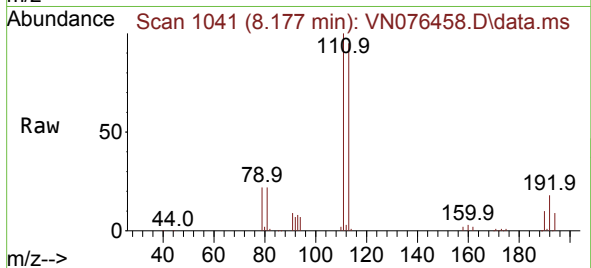
Tgt Ion: 114 Resp: 717723
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 35.8
 88 15.6 0.0 28.0



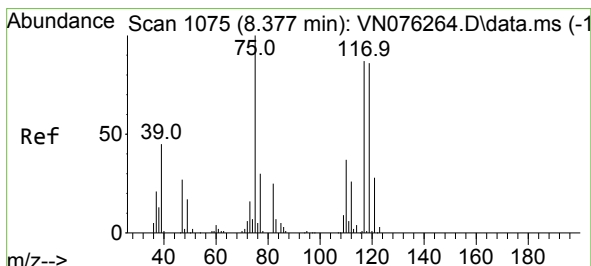
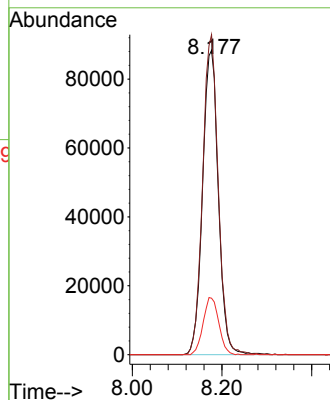
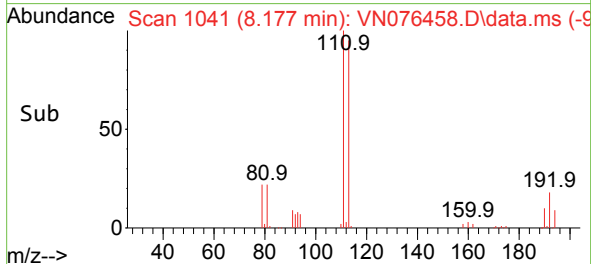


#35
Dibromofluoromethane
Concen: 48.056 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

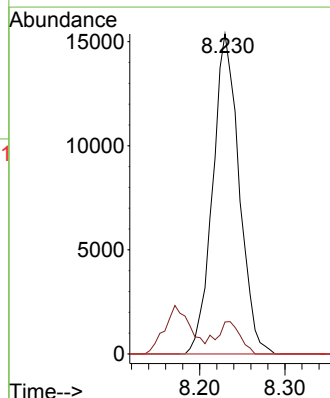
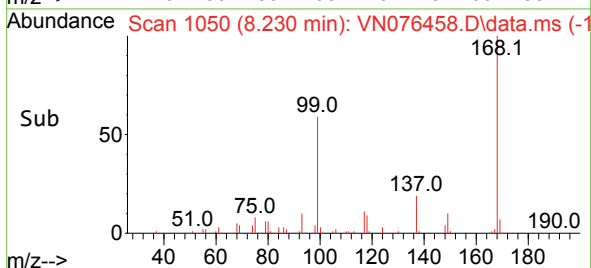
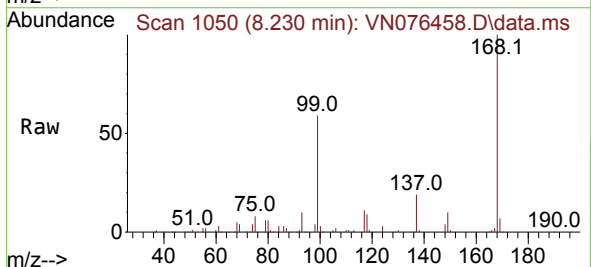


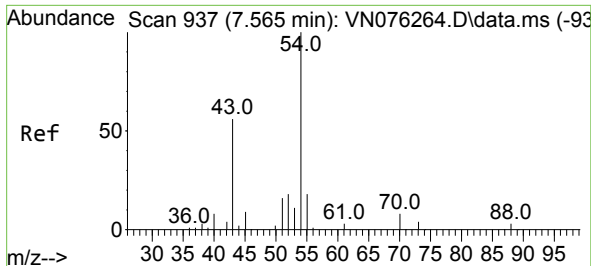
Tgt Ion:113 Resp: 215756
Ion Ratio Lower Upper
113 100
111 103.8 82.7 124.1
192 18.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.191 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

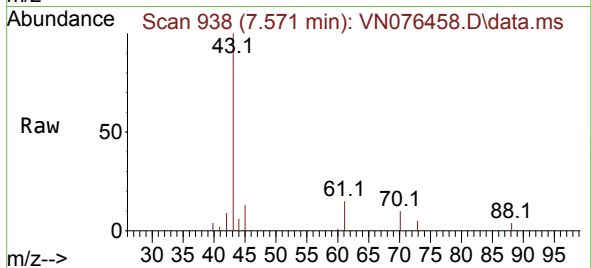
Tgt Ion: 75 Resp: 33117
Ion Ratio Lower Upper
75 100
110 9.0 18.8 56.3#
77 0.0 25.0 37.4#



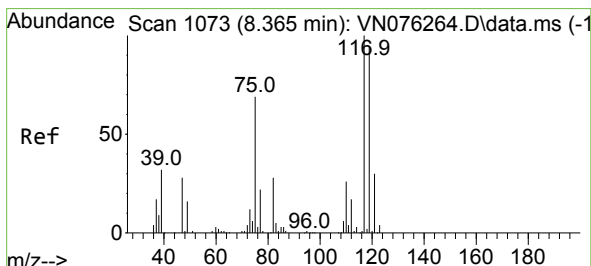
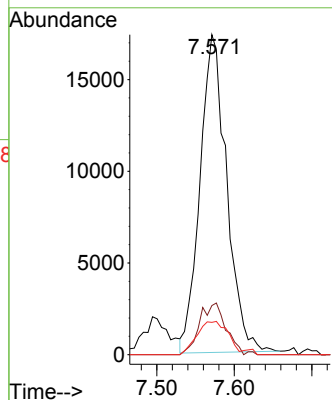
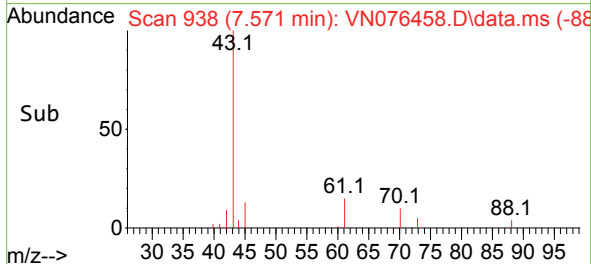


#37
Ethyl Acetate
Concen: 8.136 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

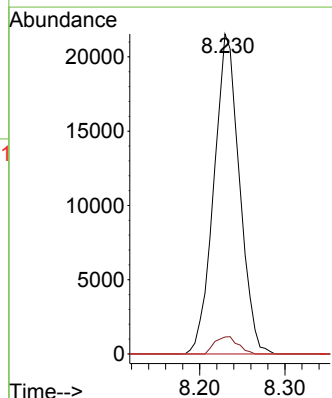
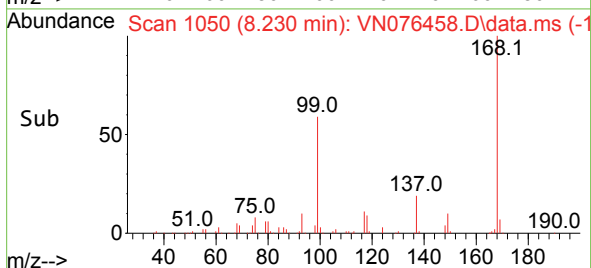
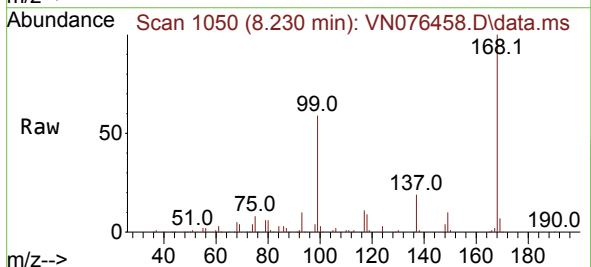


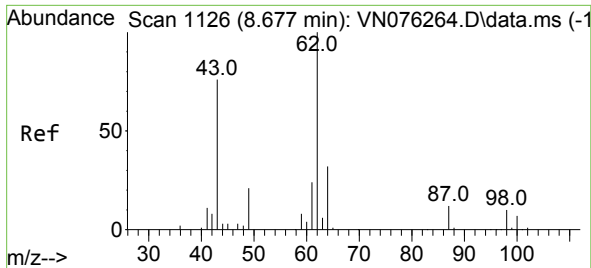
Tgt Ion: 43 Resp: 41478
Ion Ratio Lower Upper
43 100
61 16.2 11.1 16.7
70 12.3 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.316 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Tgt Ion: 117 Resp: 44931
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.0#
121 0.0 24.2 36.2#

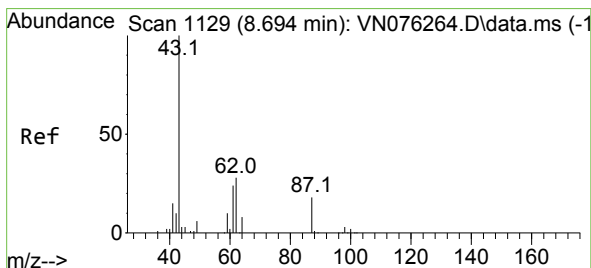
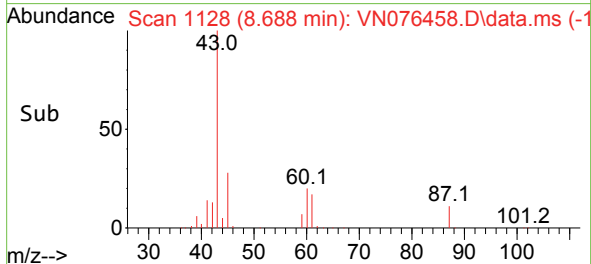
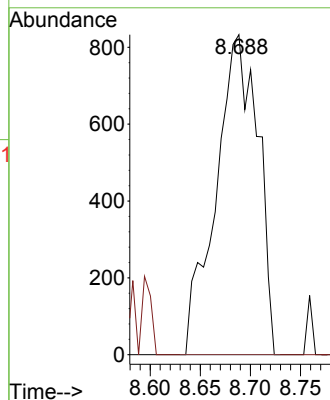
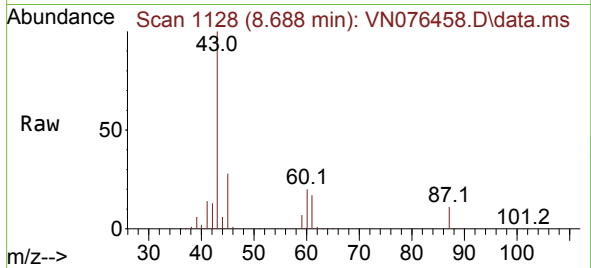




#42
1,2-Dichloroethane
Concen: 0.373 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

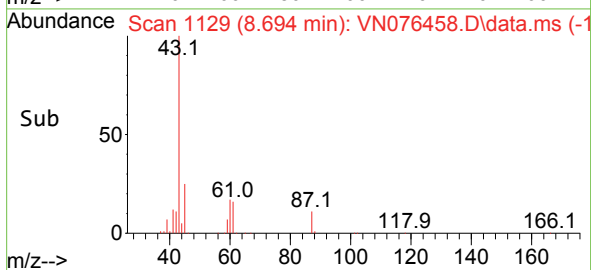
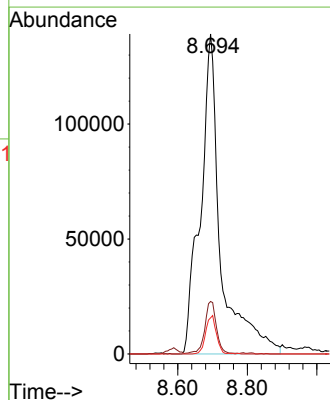
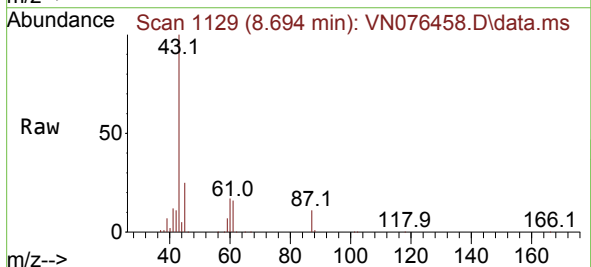
Instrument :
MSVOA_N
ClientSampleId :

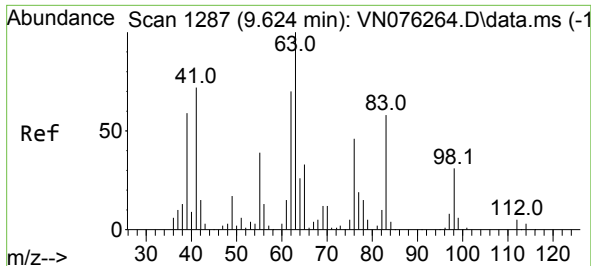
Tgt Ion: 62 Resp: 2437
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4



#43
Isopropyl Acetate
Concen: 67.585 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Tgt Ion: 43 Resp: 562612
Ion Ratio Lower Upper
43 100
61 9.2 23.5 35.3#
87 6.3 13.8 20.6#





#45

1,2-Dichloropropane

Concen: 0.543 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN076458.D

Acq: 30 Jan 2023 15:41

Instrument :

MSVOA_N

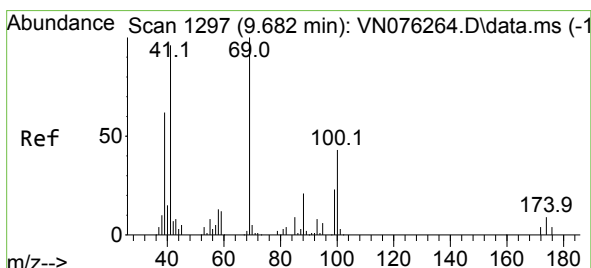
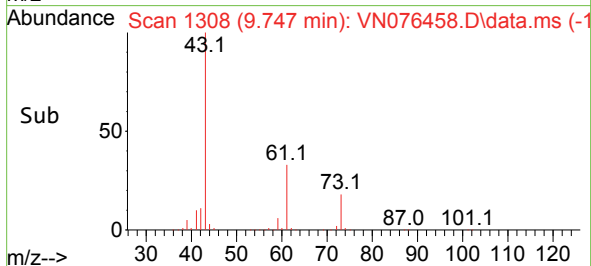
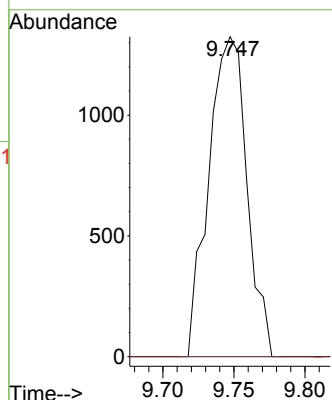
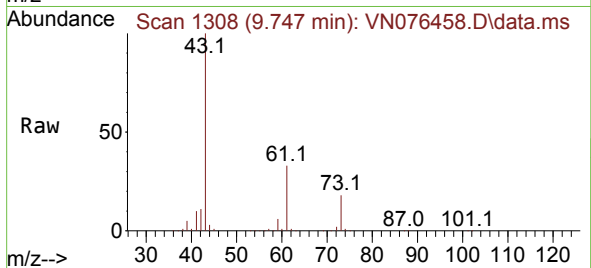
ClientSampleId :

Tgt Ion: 63 Resp: 2481

Ion Ratio Lower Upper

63 100

65 0.0 26.4 39.6#



#48

Methyl methacrylate

Concen: 1.509 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN076458.D

Acq: 30 Jan 2023 15:41

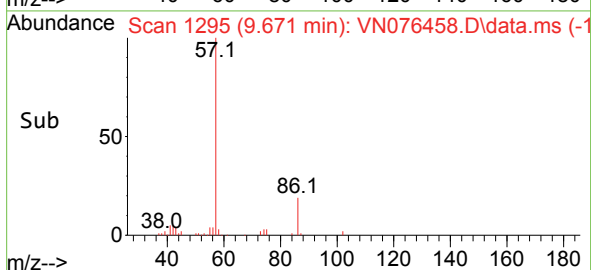
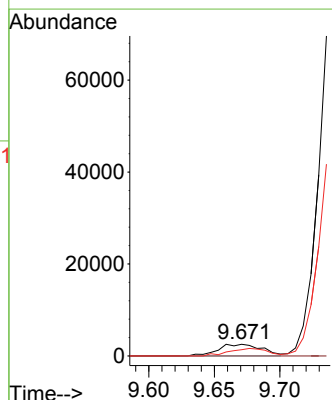
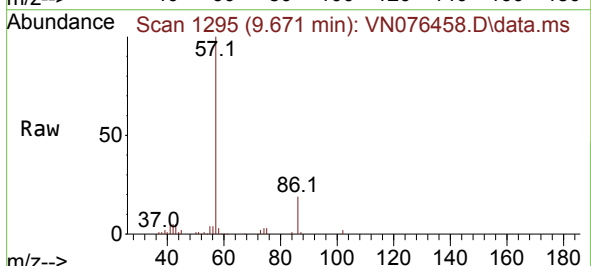
Tgt Ion: 41 Resp: 5946

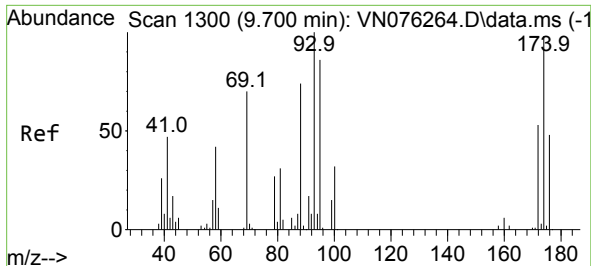
Ion Ratio Lower Upper

41 100

69 0.0 80.8 121.2#

39 56.4 54.4 81.6





#49

1,4-Dioxane

Concen: 2.453 ug/l

RT: 9.753 min Scan# 1309

Delta R.T. 0.053 min

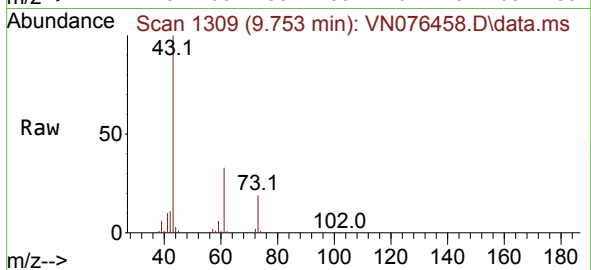
Lab File: VN076458.D

Acq: 30 Jan 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :



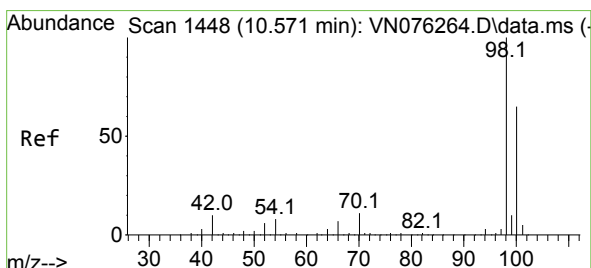
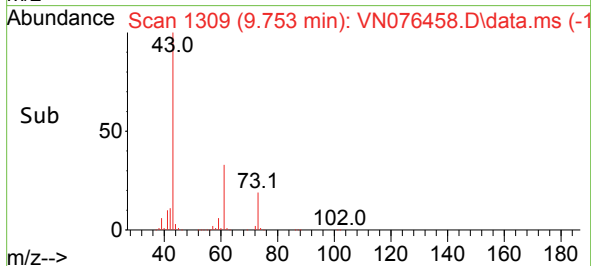
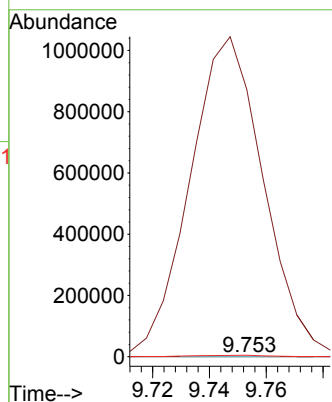
Tgt Ion: 88 Resp: 204

Ion Ratio Lower Upper

88 100

43 932734.3 18.1 27.1#

58 4431.9 46.5 69.7#



#50

Toluene-d8

Concen: 50.929 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076458.D

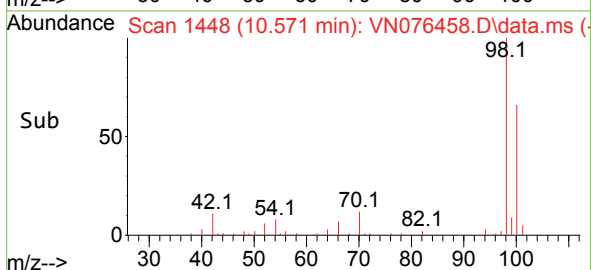
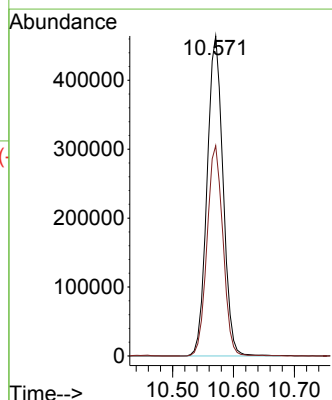
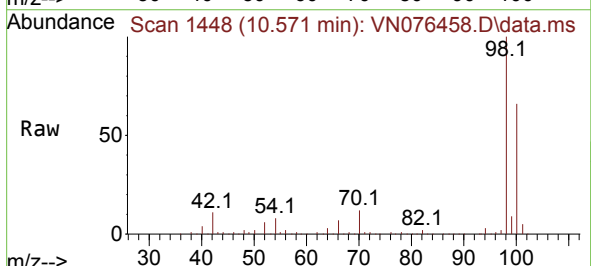
Acq: 30 Jan 2023 15:41

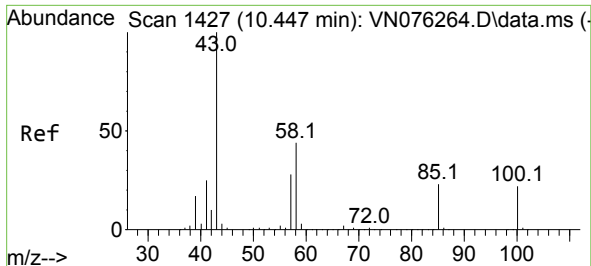
Tgt Ion: 98 Resp: 844443

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 2.287 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN076458.D

Acq: 30 Jan 2023 15:41

Instrument :

MSVOA_N

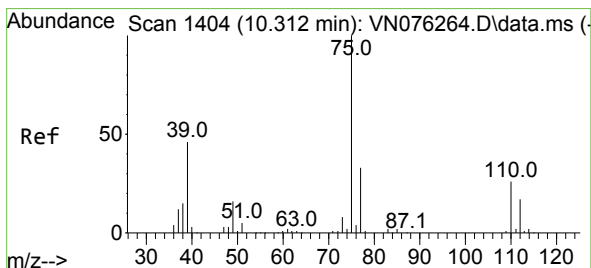
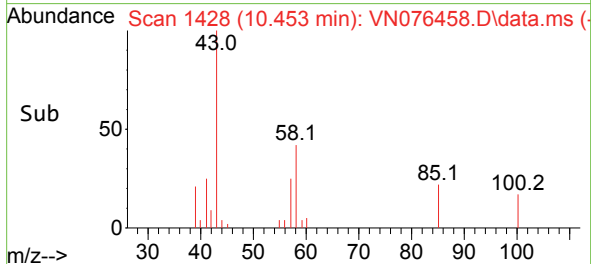
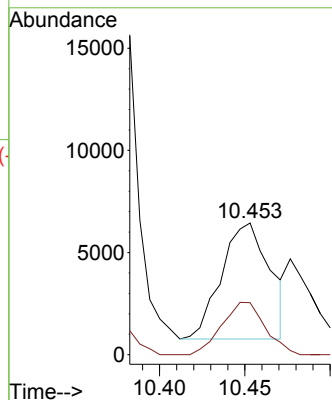
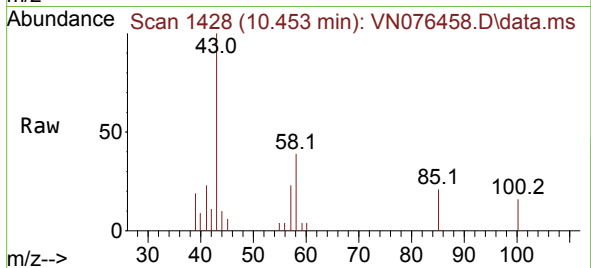
ClientSampleId :

Tgt Ion: 43 Resp: 11176

Ion Ratio Lower Upper

43 100

58 40.4 35.1 52.7



#54

cis-1,3-Dichloropropene

Concen: 12.562 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. 0.047 min

Lab File: VN076458.D

Acq: 30 Jan 2023 15:41

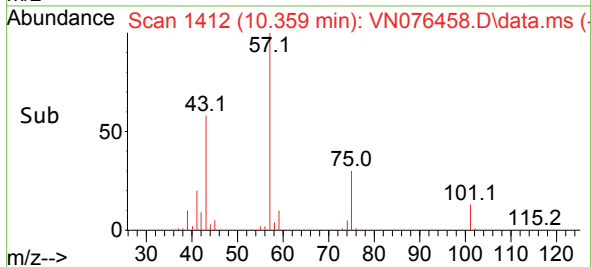
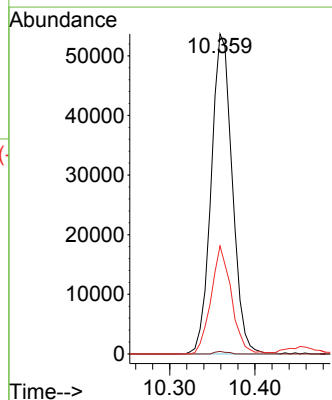
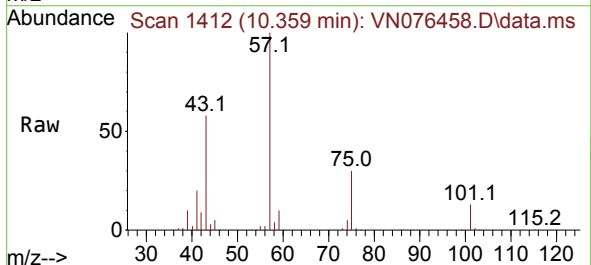
Tgt Ion: 75 Resp: 92139

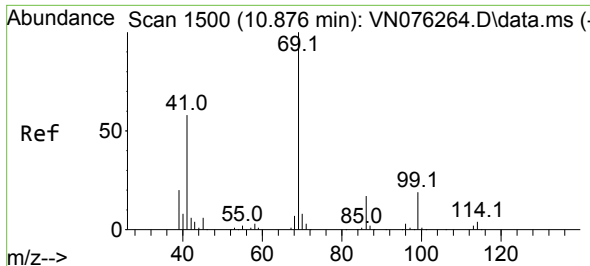
Ion Ratio Lower Upper

75 100

77 0.8 26.5 39.7#

39 33.7 37.1 55.7#

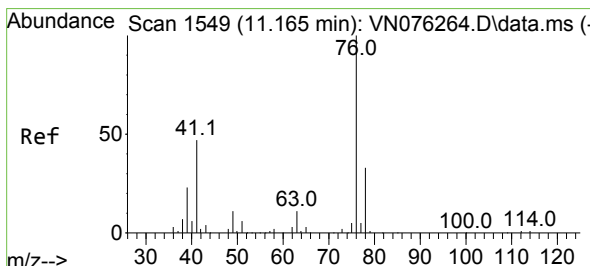
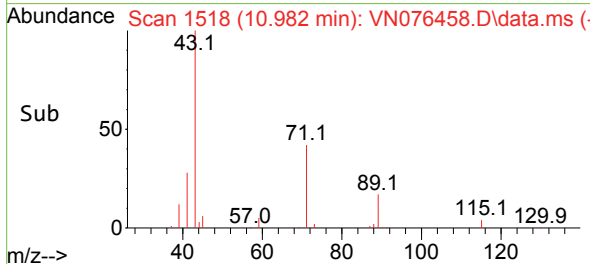
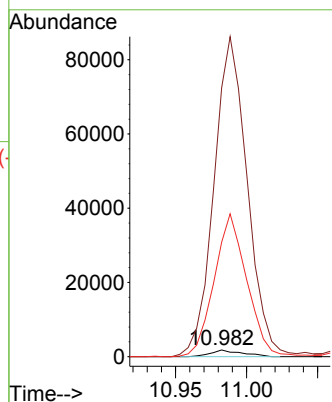
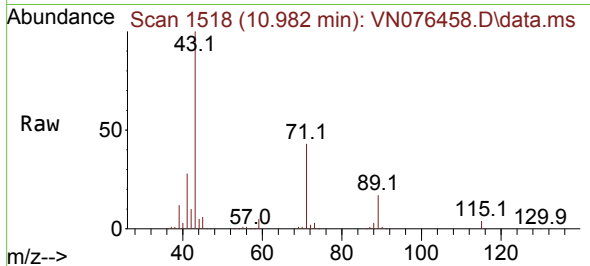




#56
Ethyl methacrylate
Concen: 0.441 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

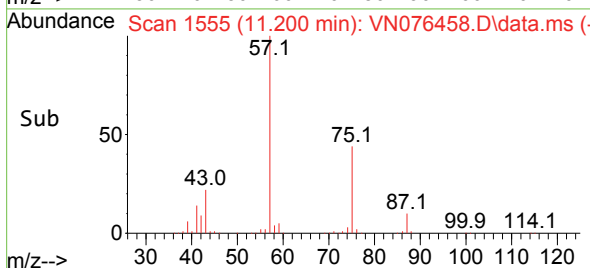
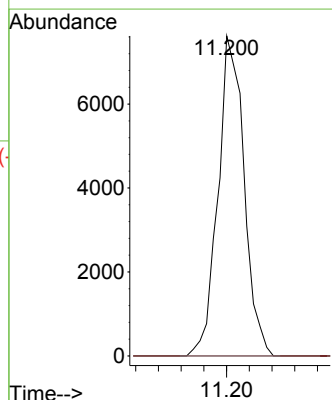
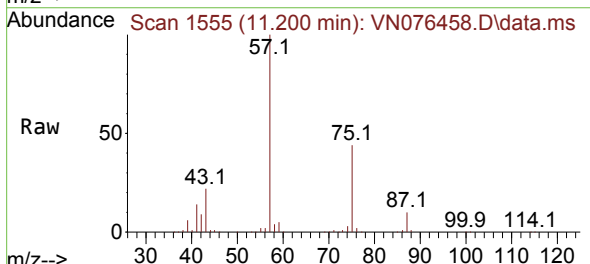
Instrument :
MSVOA_N
ClientSampleId :

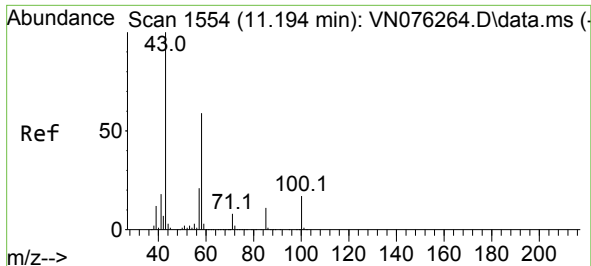
Tgt Ion: 69 Resp: 2775
Ion Ratio Lower Upper
69 100
41 5098.7 45.3 67.9#
39 2224.2 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.532 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Tgt Ion: 76 Resp: 12143
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

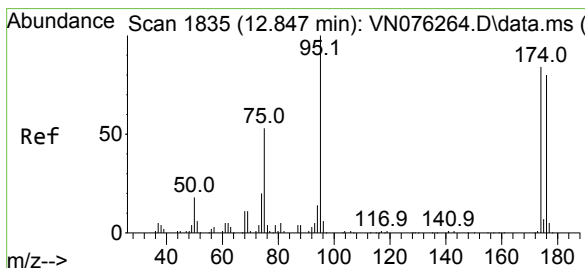
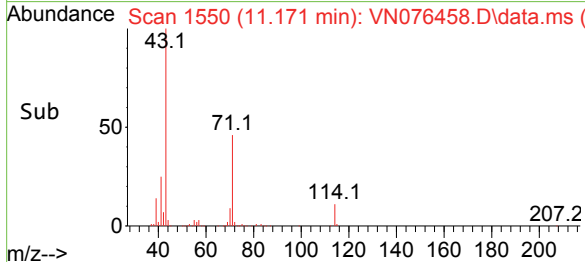
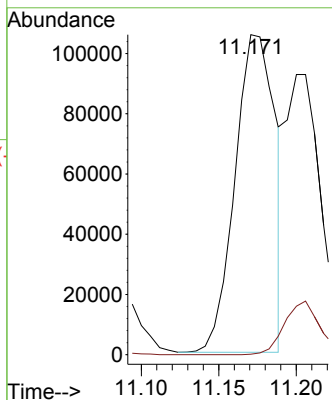
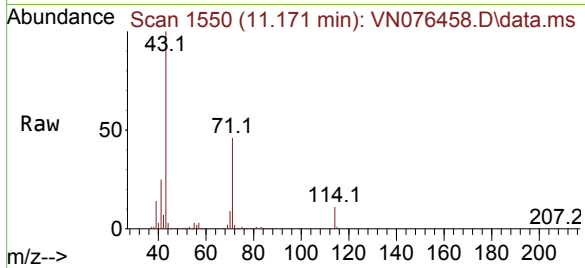




#59
2-Hexanone
Concen: 53.828 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

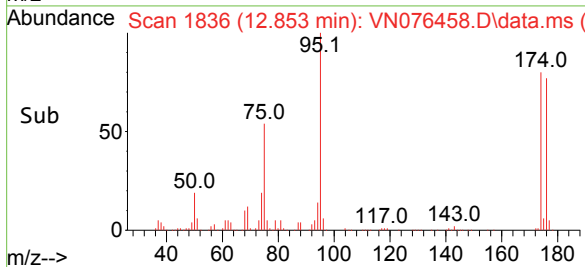
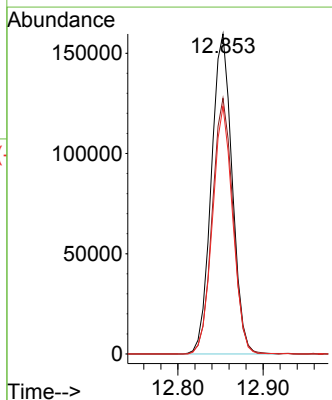
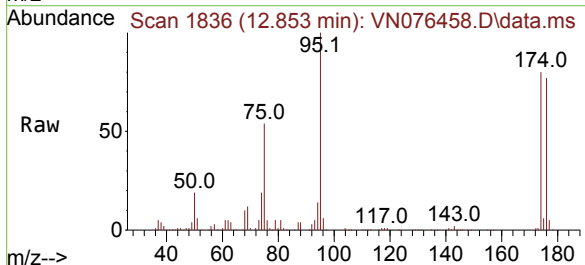
Instrument :
MSVOA_N
ClientSampleId :

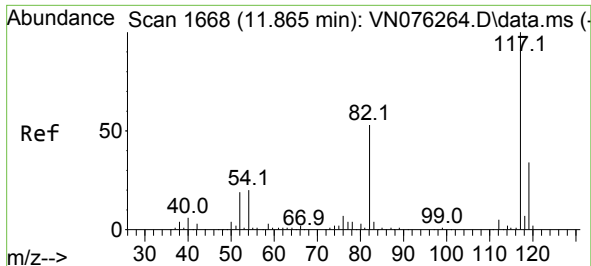
Tgt Ion: 43 Resp: 190617
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 49.948 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Tgt Ion: 95 Resp: 270360
Ion Ratio Lower Upper
95 100
174 79.6 0.0 174.6
176 75.4 0.0 167.8

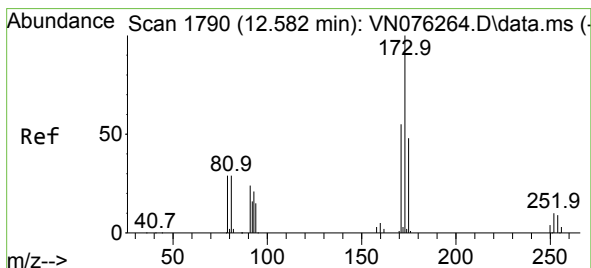
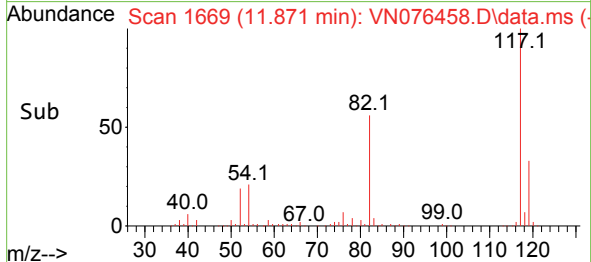
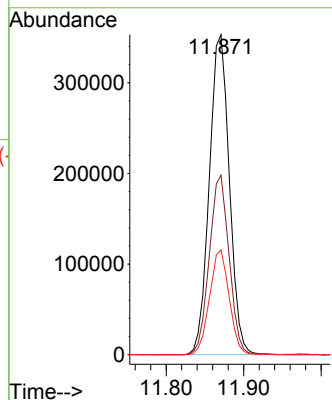
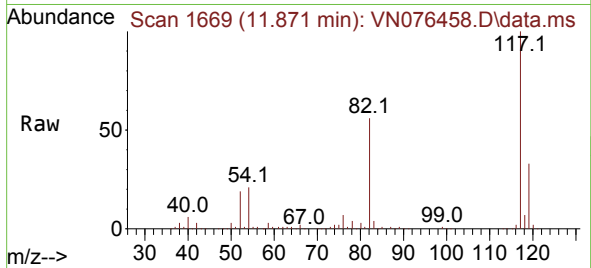




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

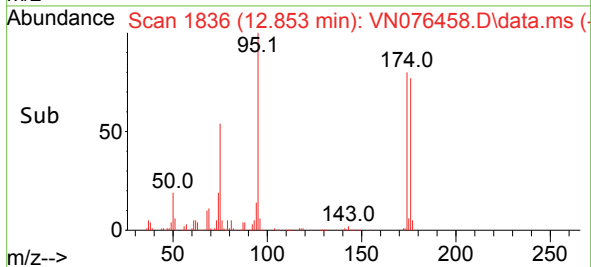
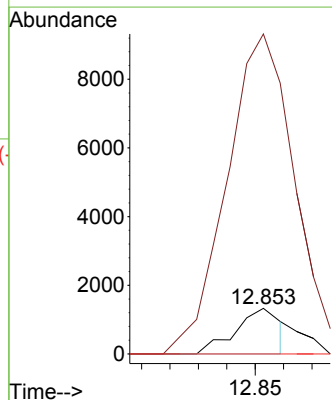
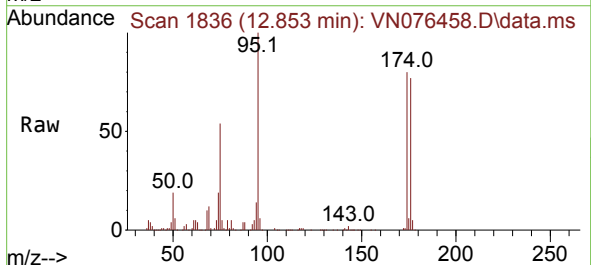
Instrument :
MSVOA_N
ClientSampleId :

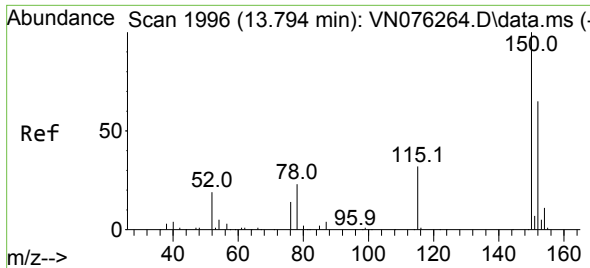
Tgt Ion:117 Resp: 634671
Ion Ratio Lower Upper
117 100
82 56.0 42.2 63.2
119 32.7 26.9 40.3



#71
Bromoform
Concen: 0.406 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

Tgt Ion:173 Resp: 1465
Ion Ratio Lower Upper
173 100
175 862.7 24.1 72.4#
254 0.0 0.0 0.0

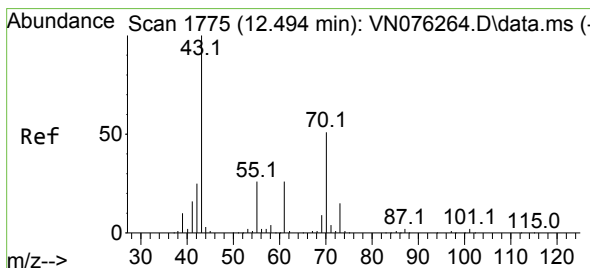
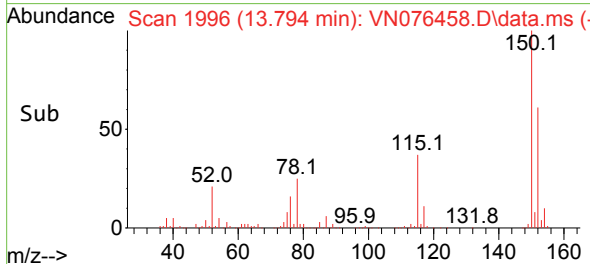
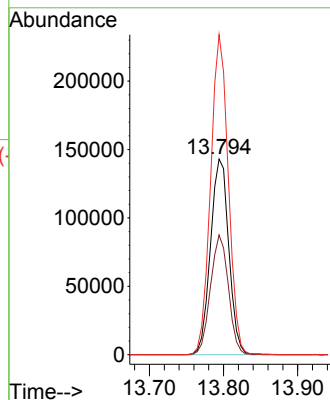
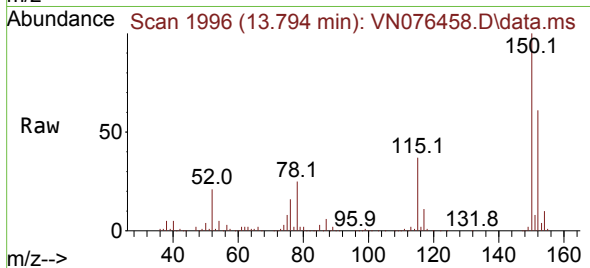




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN076458.D
 Acq: 30 Jan 2023 15:41

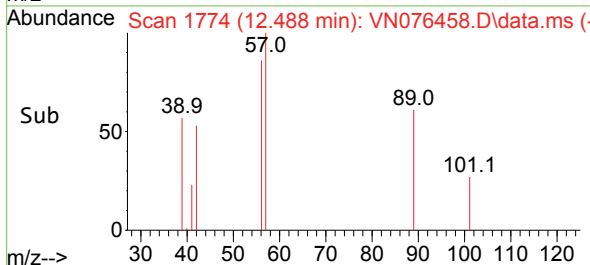
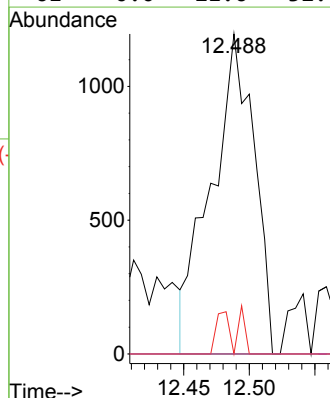
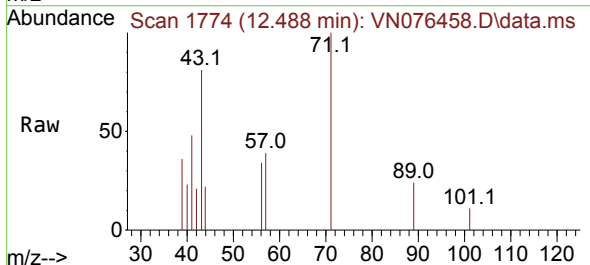
Instrument :
 MSVOA_N
 ClientSampleId :

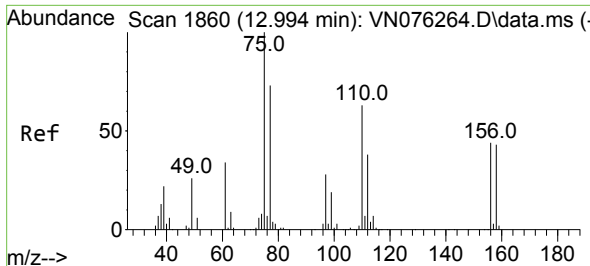
Tgt Ion:152 Resp: 245559
 Ion Ratio Lower Upper
 152 100
 115 59.7 29.6 88.9
 150 157.6 0.0 351.4



#74
 N-ethyl acetate
 Concen: 0.498 ug/l
 RT: 12.488 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: VN076458.D
 Acq: 30 Jan 2023 15:41

Tgt Ion: 43 Resp: 2719
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.2 61.8#
 55 4.0 21.0 31.6#
 61 0.0 21.6 32.4#

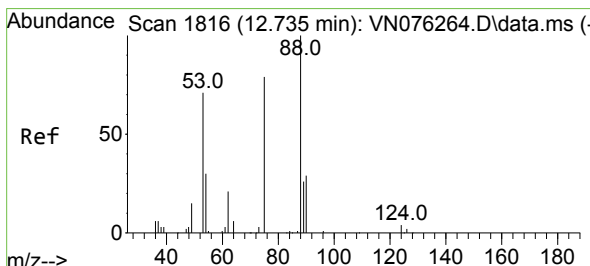
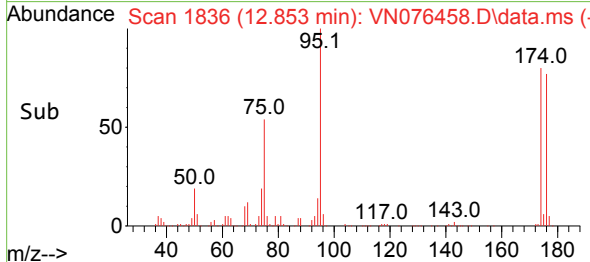
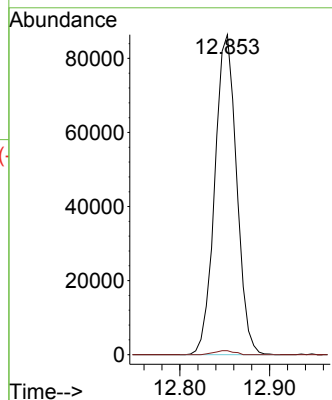
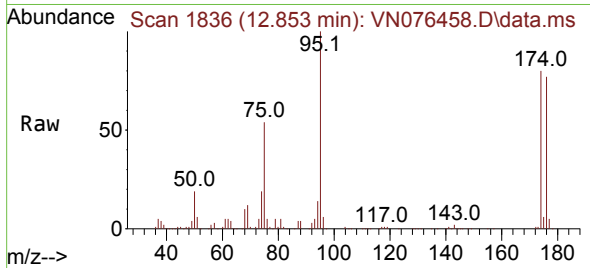




#76
1,2,3-Trichloropropane
Concen: 32.283 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

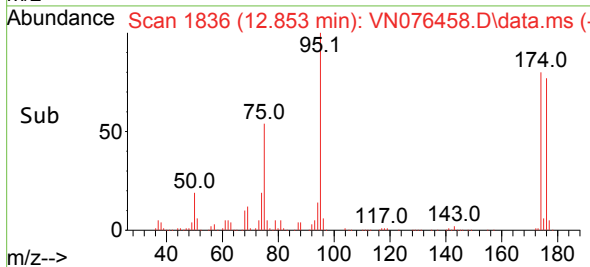
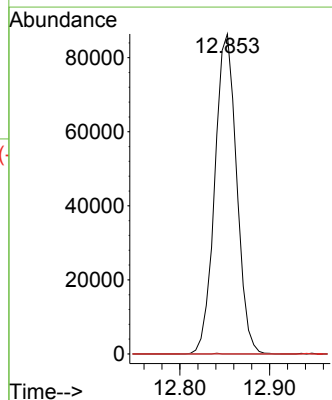
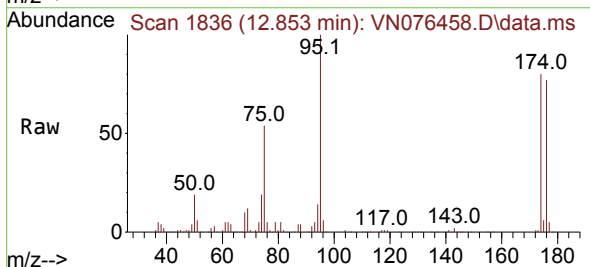
Instrument :
MSVOA_N
ClientSampleId :

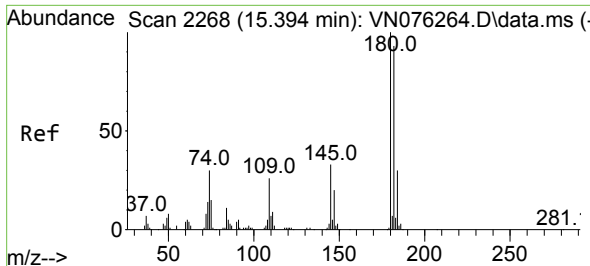
Tgt Ion: 75 Resp: 145921
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.871 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

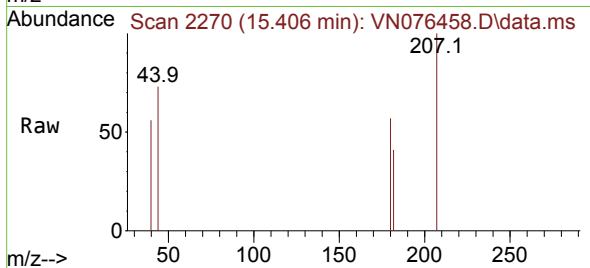
Tgt Ion: 75 Resp: 145921
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 37.0 55.6#



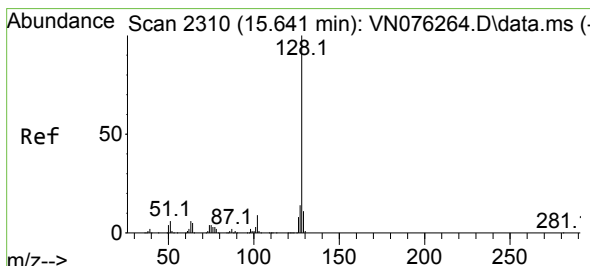
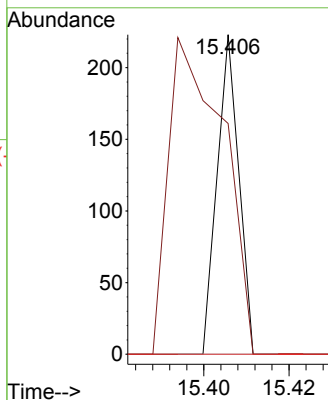
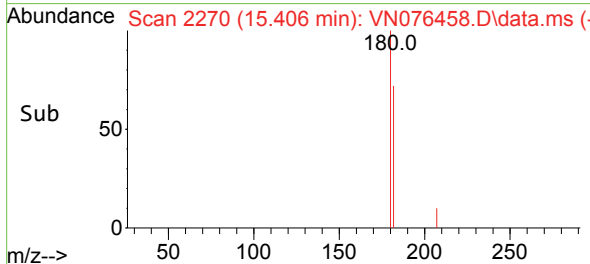


#93
1,2,4-Trichlorobenzene
Concen: 1.323 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41

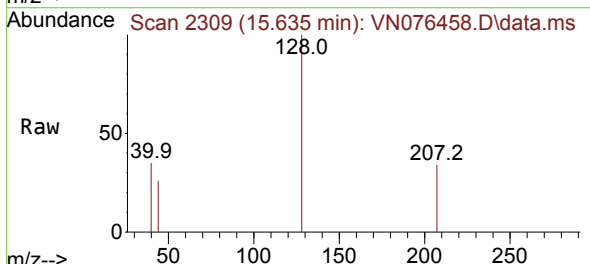
Instrument :
MSVOA_N
ClientSampleId :



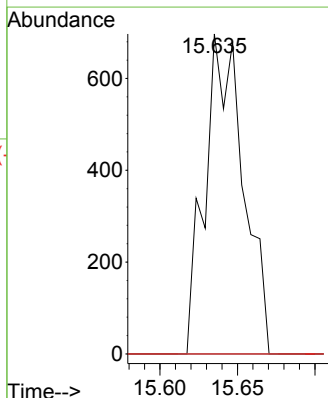
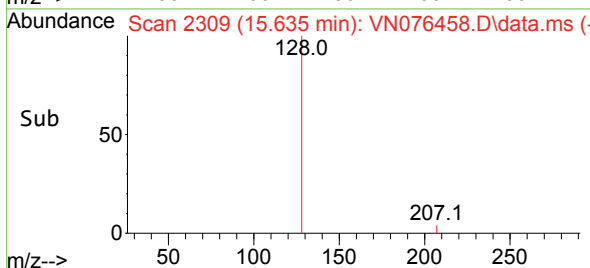
Tgt Ion:180 Resp: 79
Ion Ratio Lower Upper
180 100
182 249.4 47.0 141.2#
145 0.0 15.2 45.5#

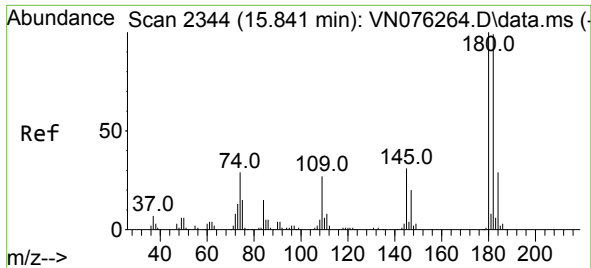


#95
Naphthalene
Concen: 1.930 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN076458.D
Acq: 30 Jan 2023 15:41



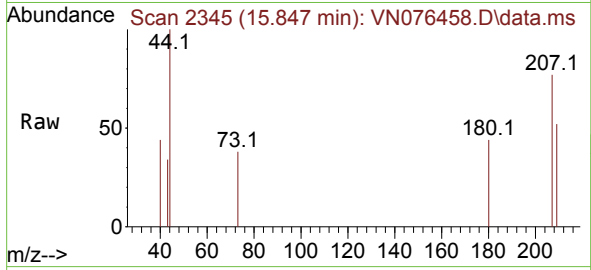
Tgt Ion:128 Resp: 1201
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.185 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076458.D
 Acq: 30 Jan 2023 15:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 132
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 0.0 15.9 47.6#

