

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076211.D
 Acq On : 11 Jan 2023 15:40
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jan 12 00:37:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

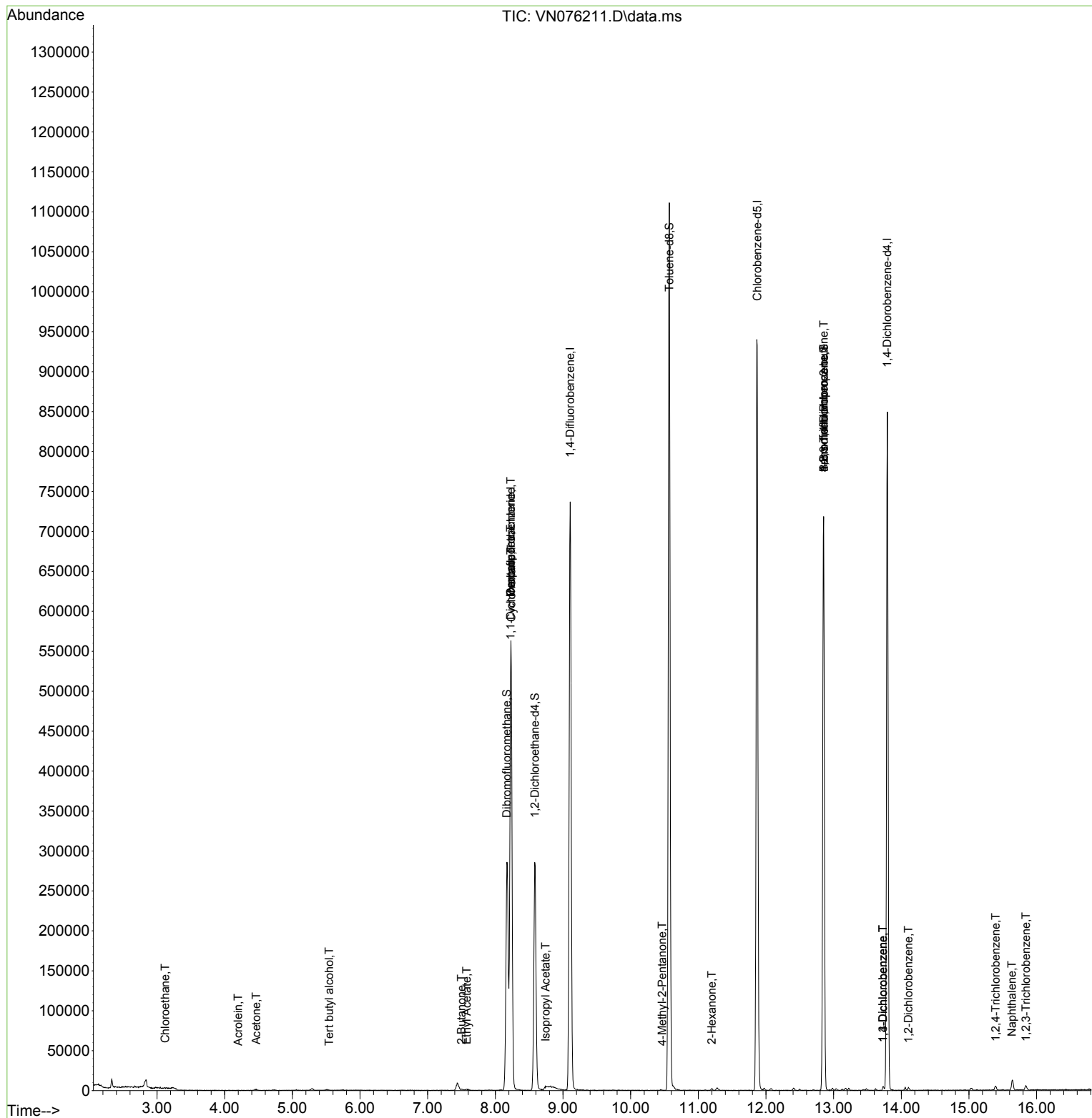
Internal Standards						
1) Pentafluorobenzene	8.230	168	438204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	690239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	590938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	227543	47.730	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.460%		
35) Dibromofluoromethane	8.171	113	202337	47.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.680%		
50) Toluene-d8	10.571	98	782786	48.979	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.960%		
62) 4-Bromofluorobenzene	12.853	95	239688	45.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.560%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	773	0.226	ug/l #	44
11) Tert butyl alcohol	5.542	59	183	0.271	ug/l #	72
13) Acrolein	4.200	56	283	0.342	ug/l #	50
16) Acetone	4.465	43	2572	1.565	ug/l	96
20) Methylene Chloride	5.289	84	1665	Below Cal	#	70
25) 2-Butanone	7.500	43	1750	0.761	ug/l #	80
31) Cyclohexane	8.236	56	8547	1.252	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	30776	5.420	ug/l #	50
37) Ethyl Acetate	7.577	43	2566	0.563	ug/l #	72
38) Carbon Tetrachloride	8.230	117	41665	6.556	ug/l #	16
43) Isopropyl Acetate	8.741	43	2947	0.392	ug/l #	50
51) 4-Methyl-2-Pentanone	10.465	43	993	0.218	ug/l #	32
59) 2-Hexanone	11.200	43	1655	0.499	ug/l	83
71) Bromoform	12.853	173	1807	0.553	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	126461	26.224	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126461	94.393	ug/l #	12
87) 1,3-Dichlorobenzene	13.729	146	1960	0.243	ug/l	89
88) 1,4-Dichlorobenzene	13.729	146	1960	0.237	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	2088	0.262	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	2583	0.655	ug/l	85
95) Naphthalene	15.635	128	13416	3.163	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	2585	0.702	ug/l	96

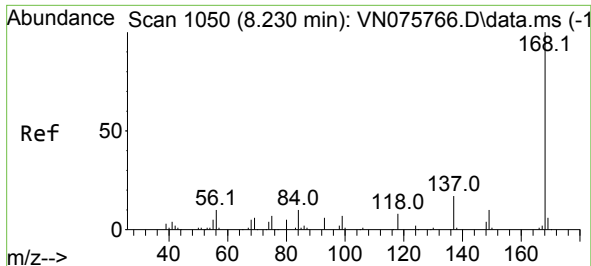
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

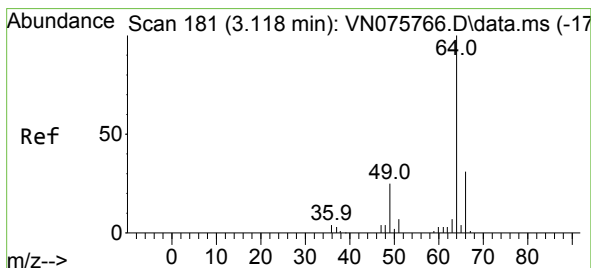
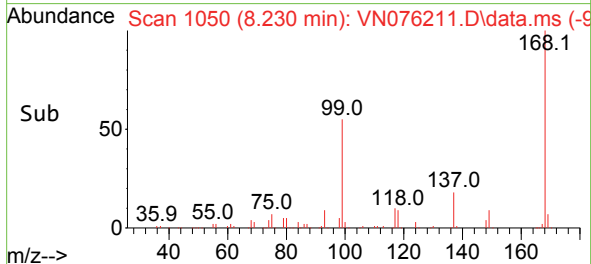
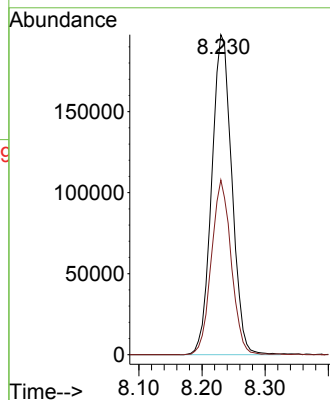
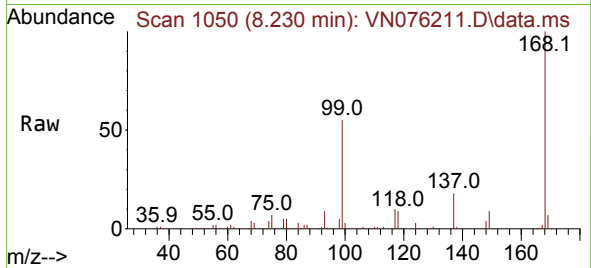




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

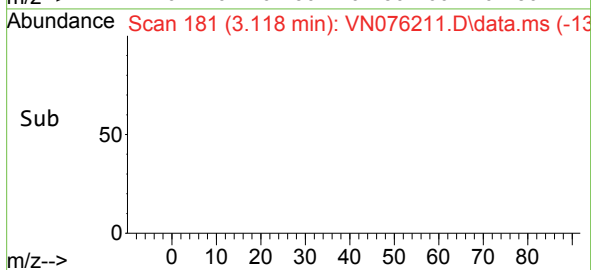
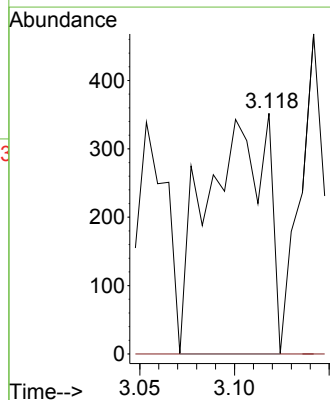
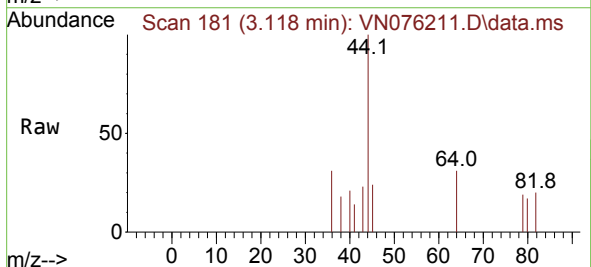
Instrument :
MSVOA_N
ClientSampleId :
IBLK

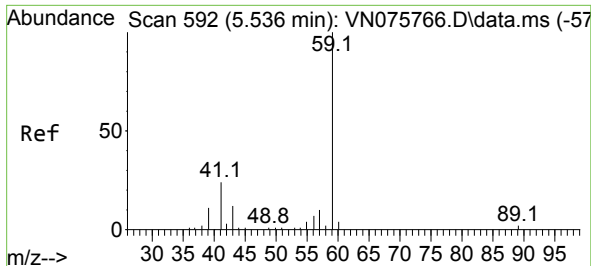
Tgt Ion:168 Resp: 438204
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#6
Chloroethane
Concen: 0.226 ug/l
RT: 3.118 min Scan# 181
Delta R.T. 0.000 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Tgt Ion: 64 Resp: 773
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#11

Tert butyl alcohol

Concen: 0.271 ug/l

RT: 5.542 min Scan# 59

Delta R.T. 0.006 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

Instrument :

MSVOA_N

ClientSampleId :

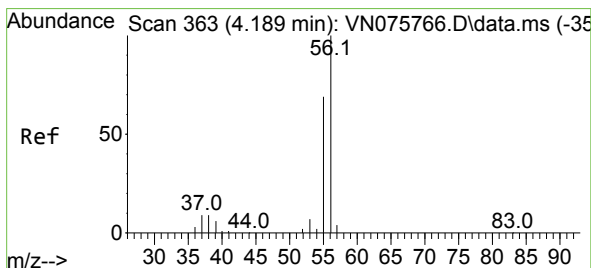
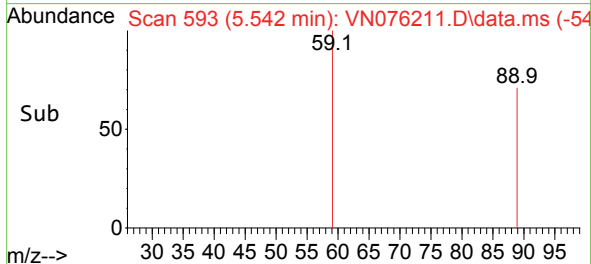
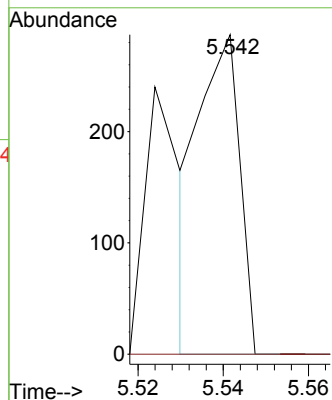
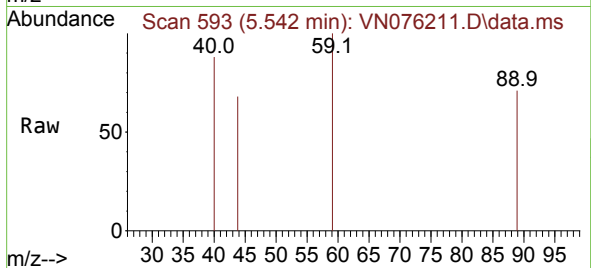
IBLK

Tgt Ion: 59 Resp: 183

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.342 ug/l

RT: 4.200 min Scan# 365

Delta R.T. 0.012 min

Lab File: VN076211.D

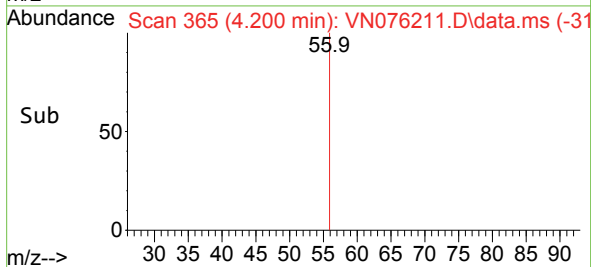
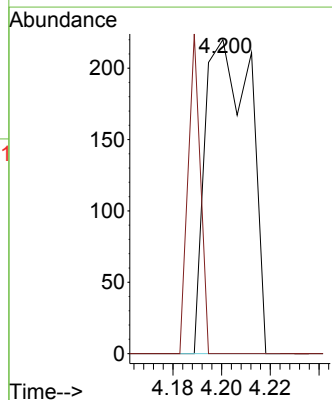
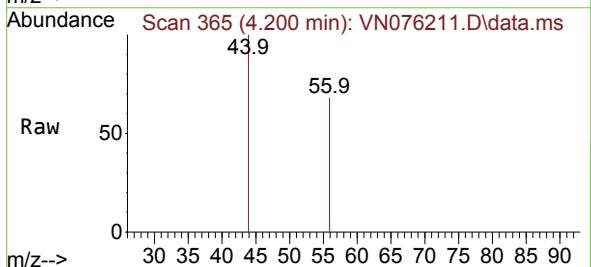
Acq: 11 Jan 2023 15:40

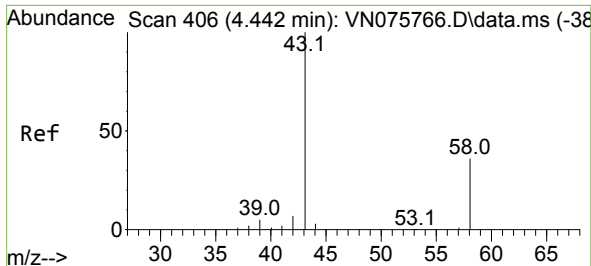
Tgt Ion: 56 Resp: 283

Ion Ratio Lower Upper

56 100

55 27.9 54.8 82.2#





#16

Acetone

Concen: 1.565 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.024 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

Instrument :

MSVOA_N

ClientSampleId :

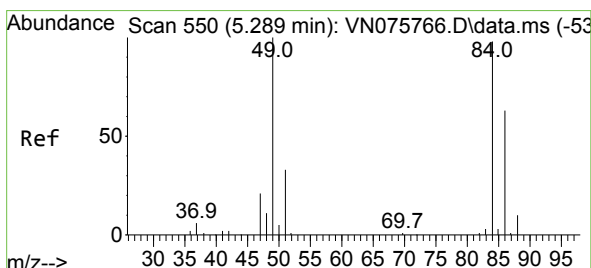
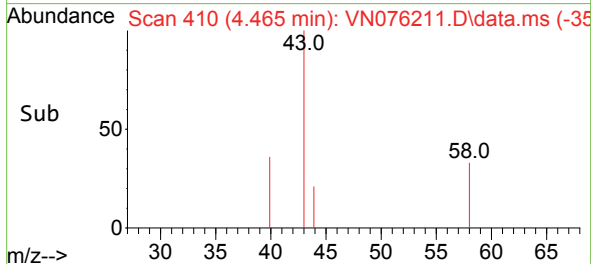
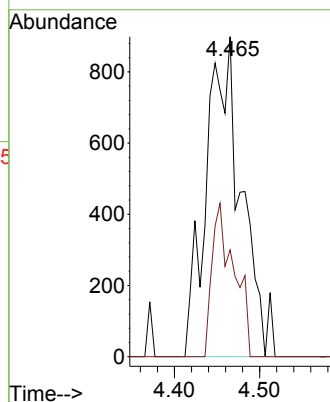
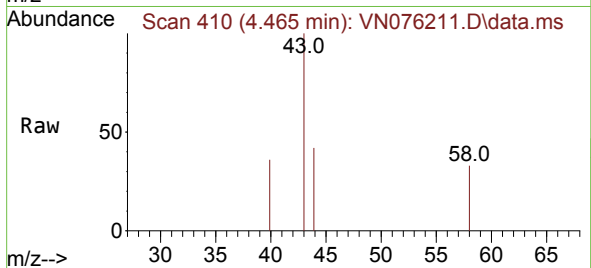
IBLK

Tgt Ion: 43 Resp: 2572

Ion Ratio Lower Upper

43 100

58 33.4 28.6 43.0



#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 550

Delta R.T. -0.000 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

Tgt Ion: 84 Resp: 1665

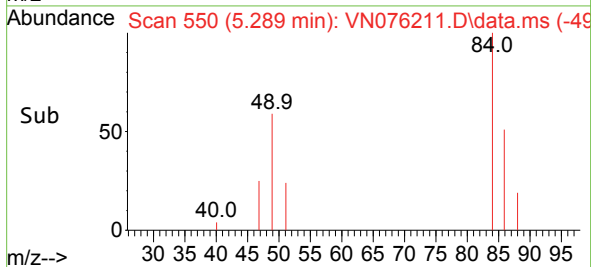
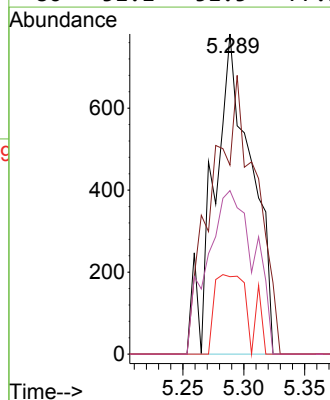
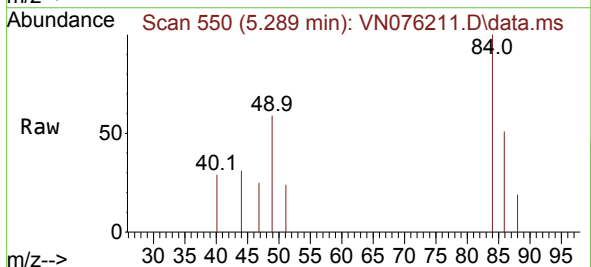
Ion Ratio Lower Upper

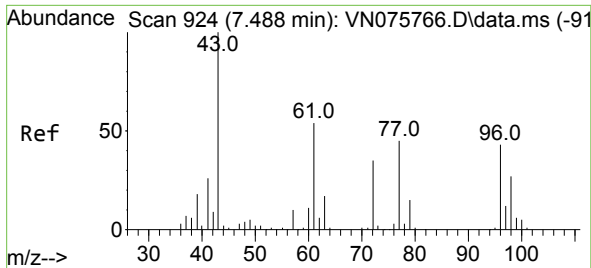
84 100

49 59.0 81.8 122.6#

51 24.2 26.7 40.1#

86 51.1 51.5 77.3#

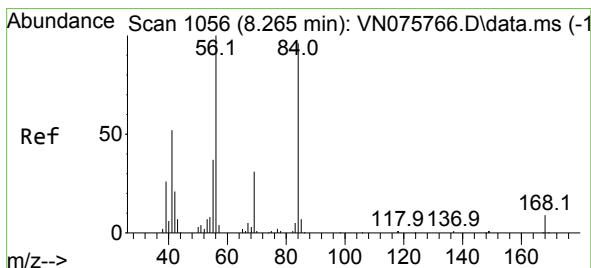
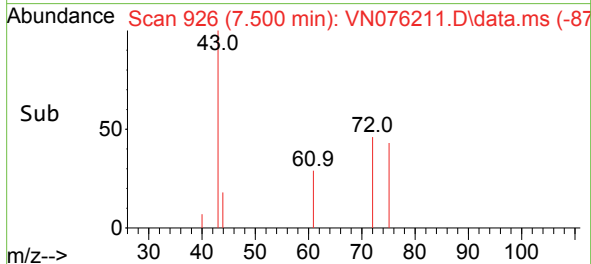
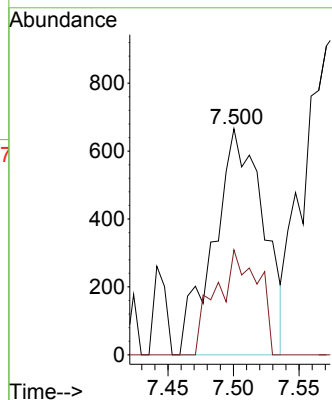
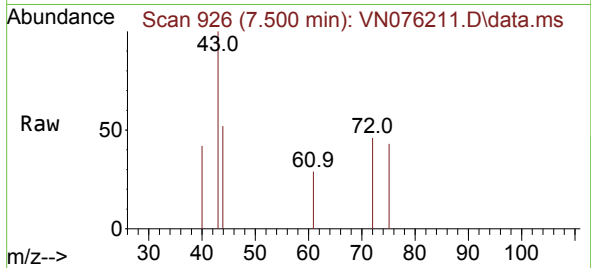




#25
2-Butanone
Concen: 0.761 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

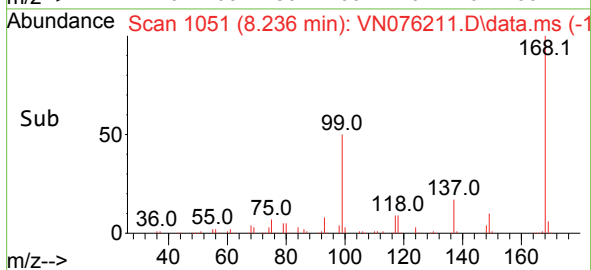
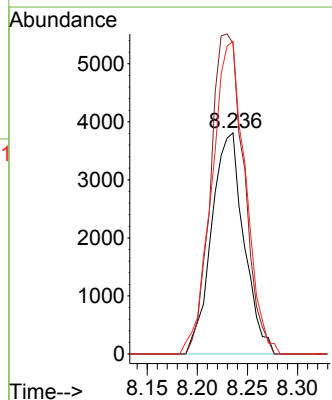
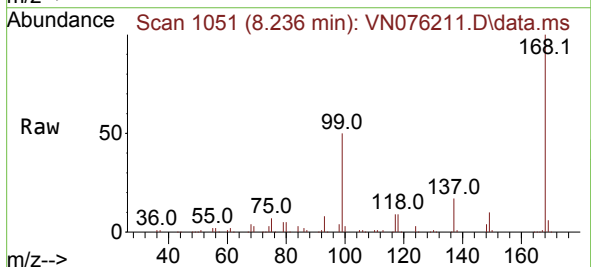
Instrument :
MSVOA_N
ClientSampleId :
IBLK

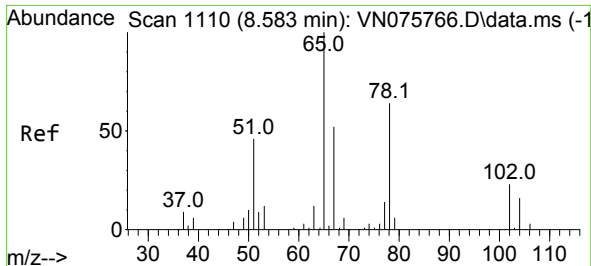
Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
72 46.4 28.0 42.0#



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Tgt Ion: 56 Resp: 8547
Ion Ratio Lower Upper
56 100
69 140.5 24.7 37.1#
84 141.3 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.730 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

Instrument :

MSVOA_N

ClientSampleId :

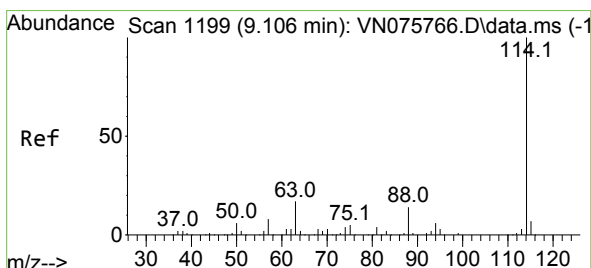
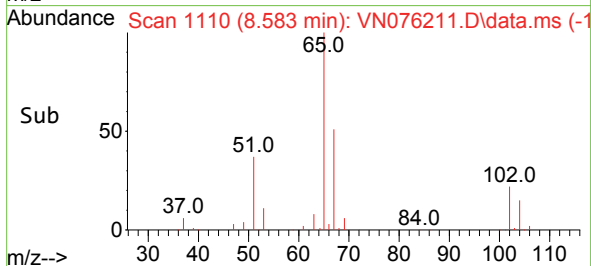
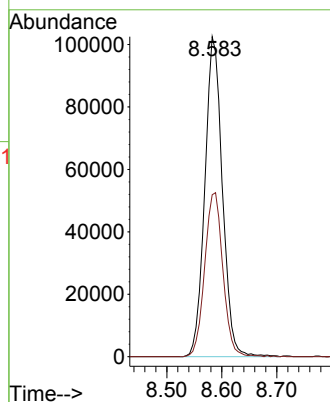
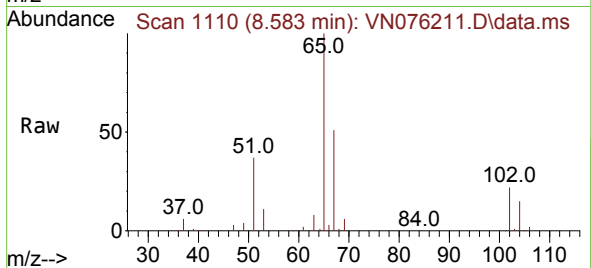
IBLK

Tgt Ion: 65 Resp: 227543

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

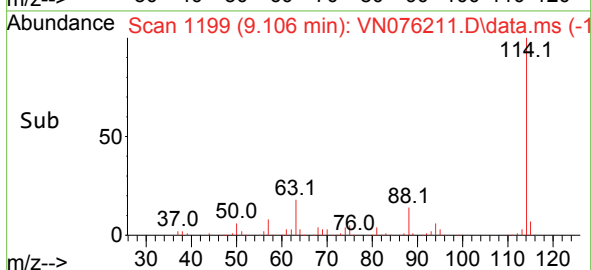
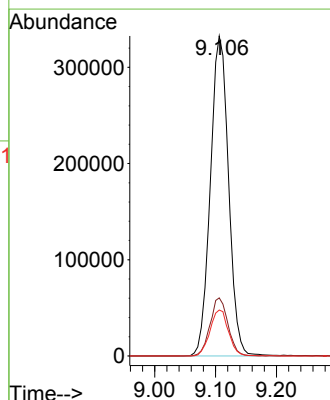
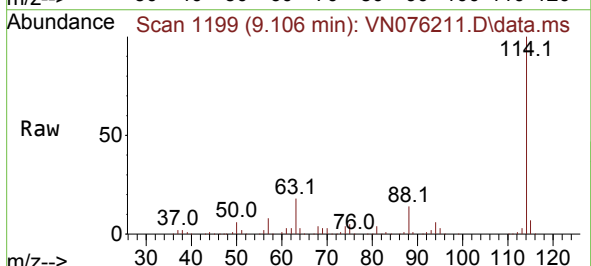
Tgt Ion: 114 Resp: 690239

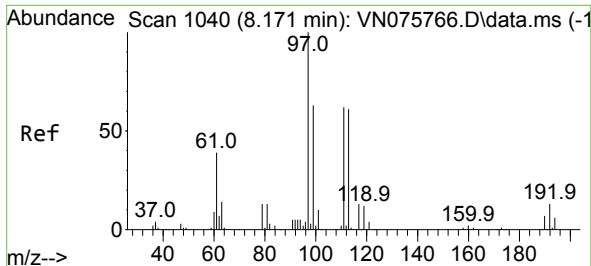
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 14.4 0.0 28.8

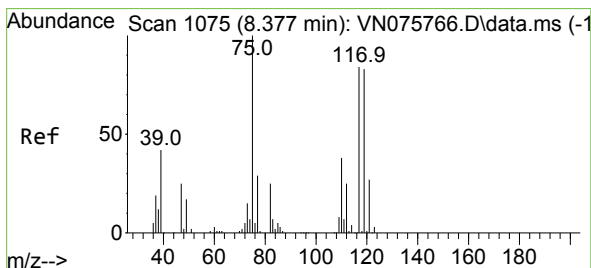
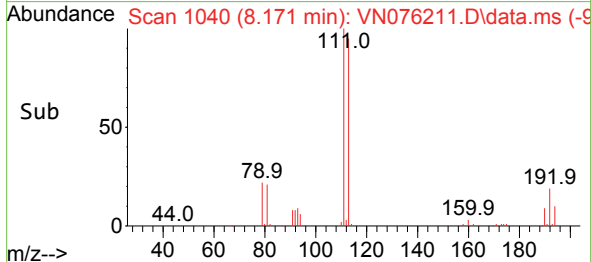
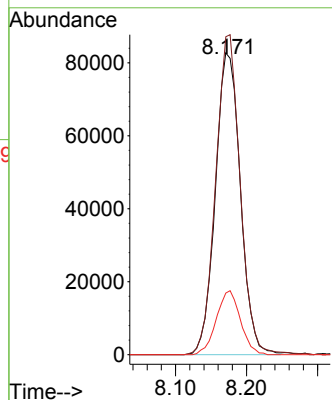
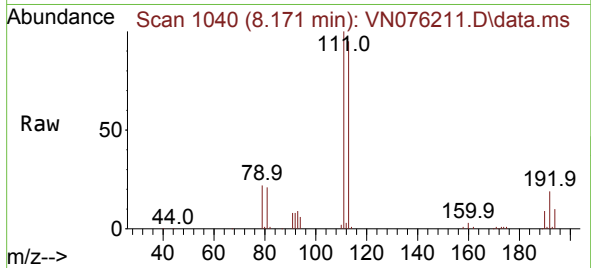




#35
Dibromofluoromethane
Concen: 47.335 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

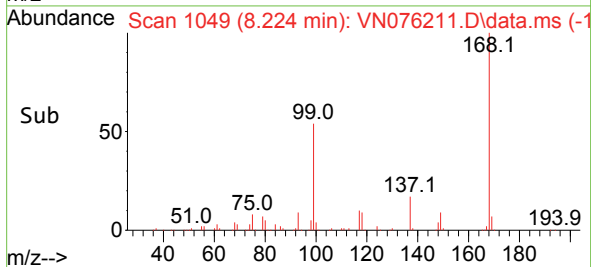
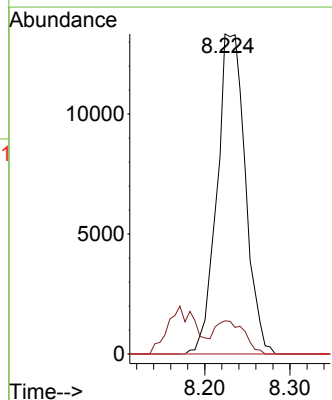
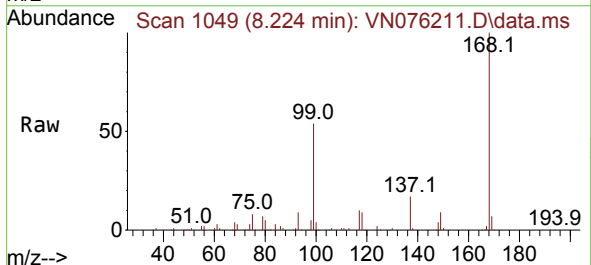
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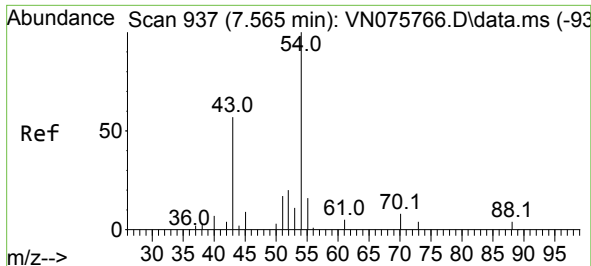
Tgt Ion:113 Resp: 202337
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.2
192 20.4 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.420 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

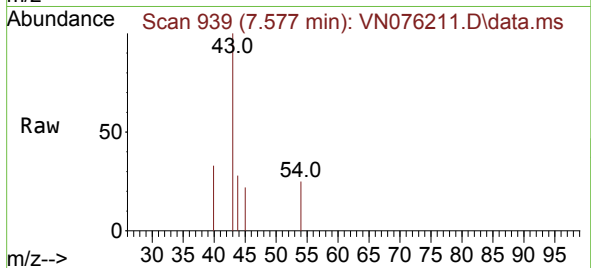
Tgt Ion: 75 Resp: 30776
Ion Ratio Lower Upper
75 100
110 10.5 18.8 56.4#
77 0.0 24.1 36.1#



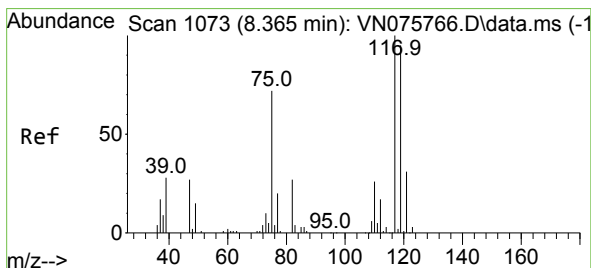
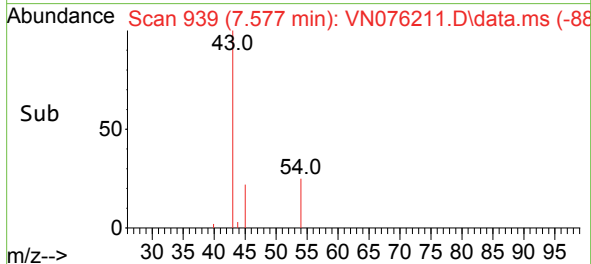
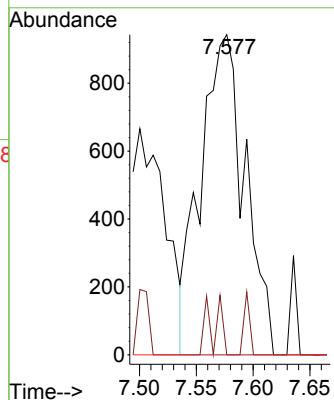


#37
Ethyl Acetate
Concen: 0.563 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Instrument :
MSVOA_N
ClientSampleId :
IBLK

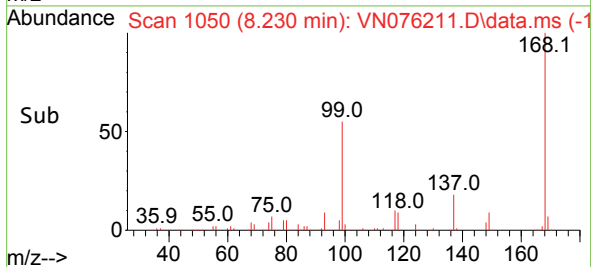
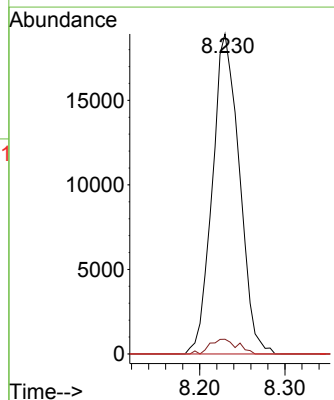
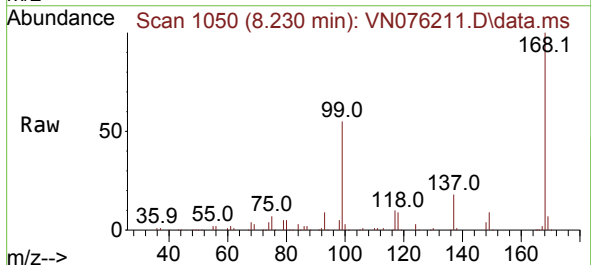


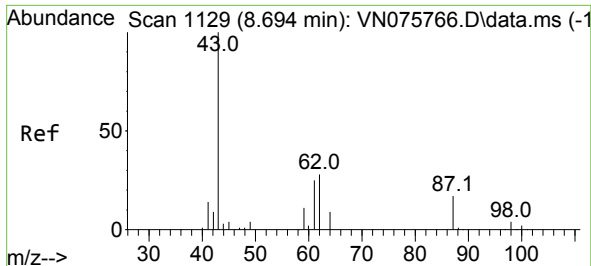
Tgt Ion: 43 Resp: 2566
Ion Ratio Lower Upper
43 100
61 4.8 13.0 19.4#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.556 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Tgt Ion: 117 Resp: 41665
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.5 36.7#

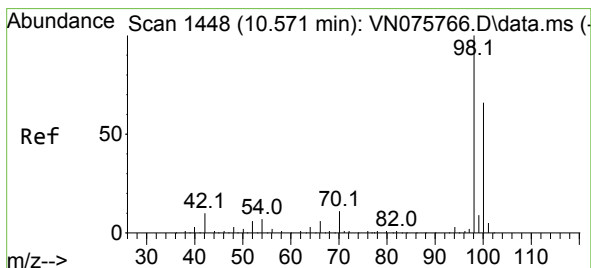
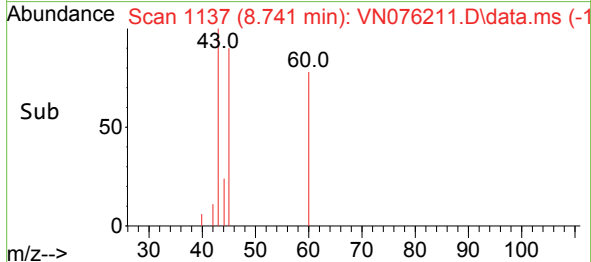
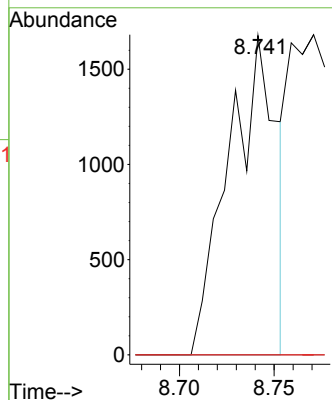
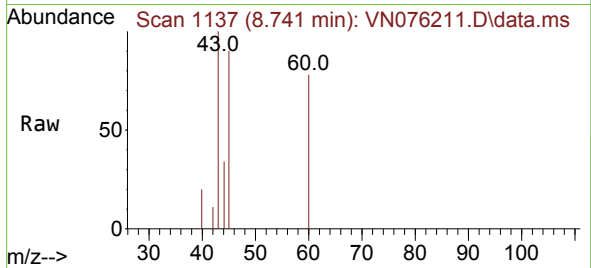




#43
Isopropyl Acetate
Concen: 0.392 ug/l
RT: 8.741 min Scan# 1129
Delta R.T. 0.047 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

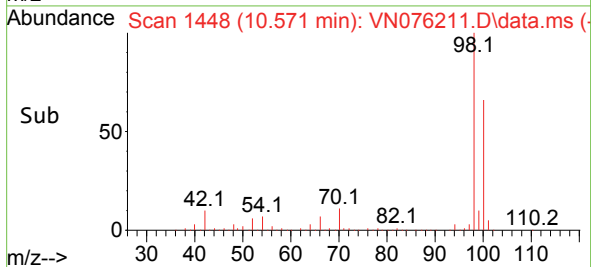
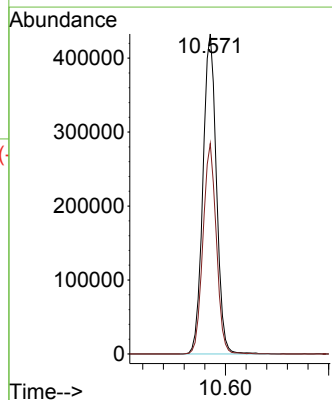
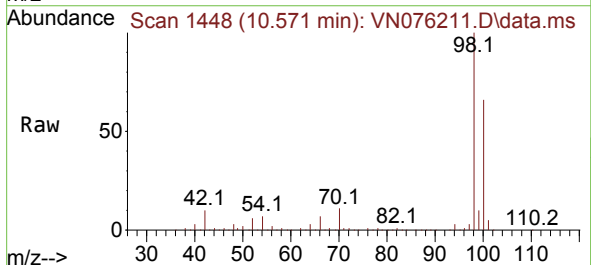
Instrument :
MSVOA_N
ClientSampleId :
IBLK

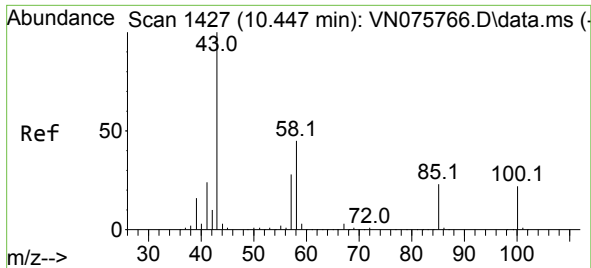
Tgt Ion: 43 Resp: 2947
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#



#50
Toluene-d8
Concen: 48.979 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Tgt Ion: 98 Resp: 782786
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

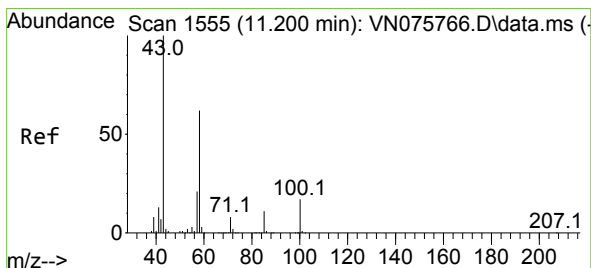
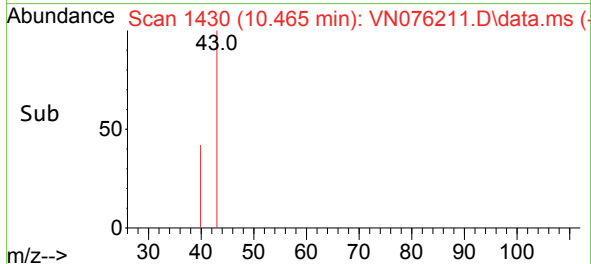
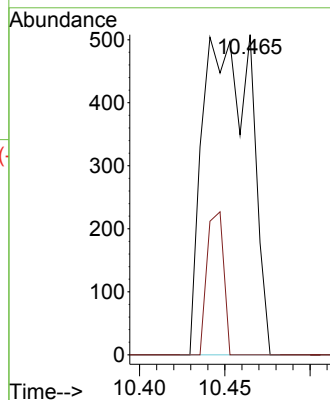
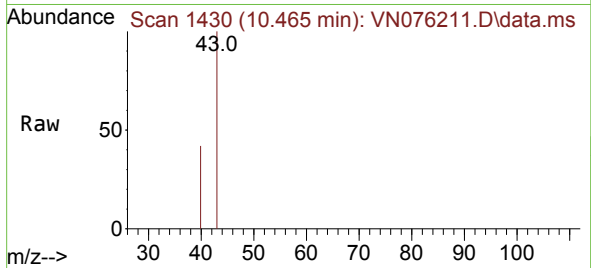




#51
4-Methyl-2-Pentanone
Concen: 0.218 ug/l
RT: 10.465 min Scan# 1427
Delta R.T. 0.018 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

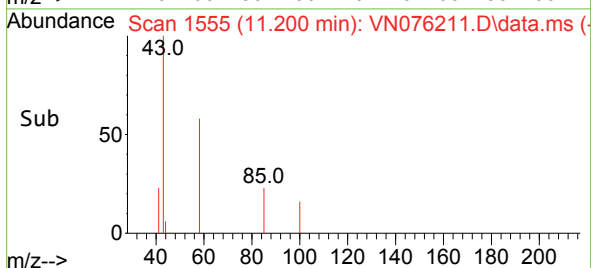
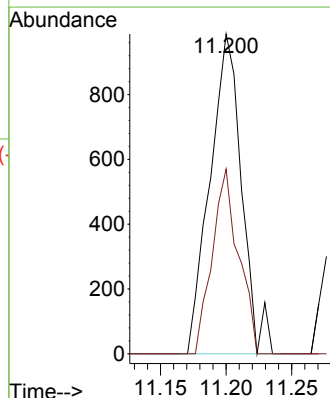
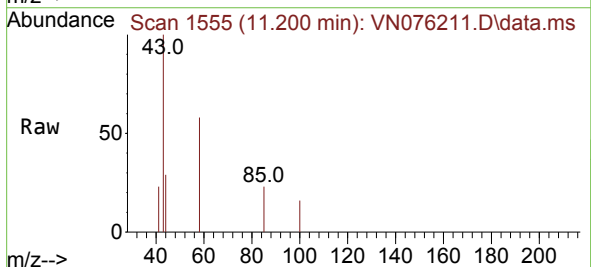
Instrument :
MSVOA_N
ClientSampleId :
IBLK

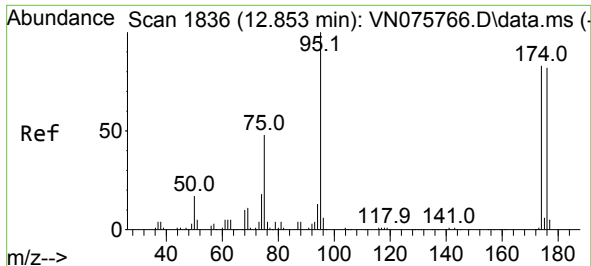
Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 0.0 35.5 53.3#



#59
2-Hexanone
Concen: 0.499 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
58 48.1 30.6 92.0

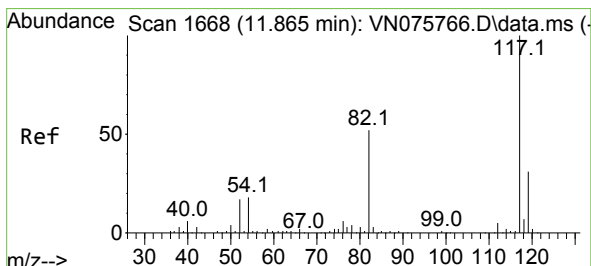
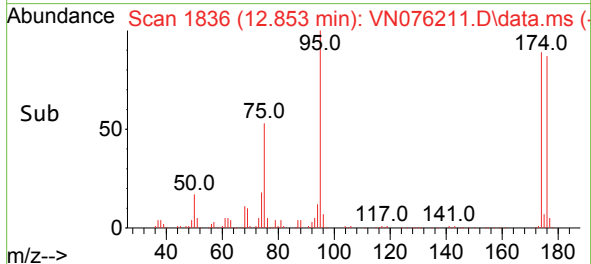
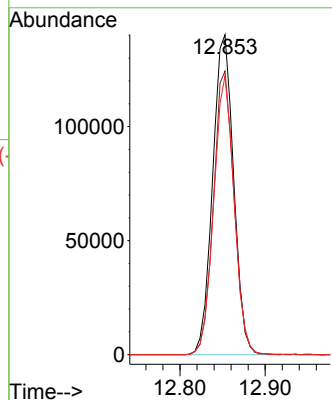
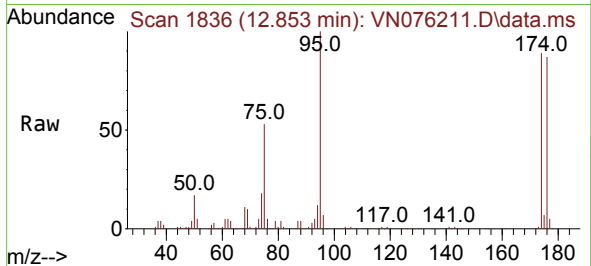




#62
4-Bromofluorobenzene
Concen: 45.280 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

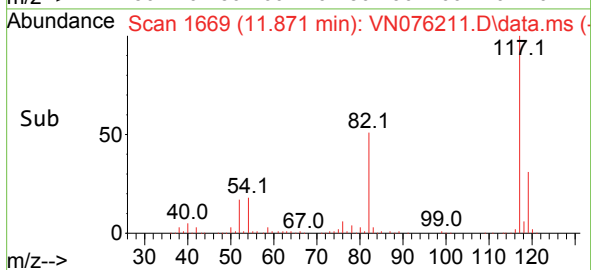
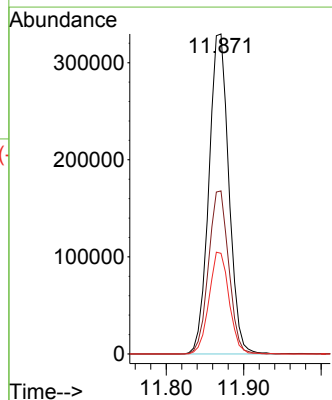
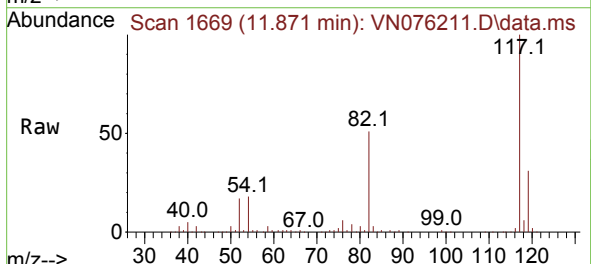
Instrument :
MSVOA_N
ClientSampleId :
IBLK

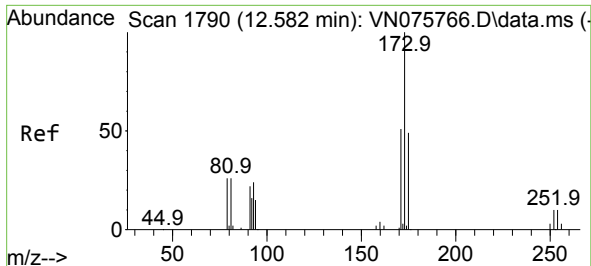
Tgt Ion: 95 Resp: 239688
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 84.5 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Tgt Ion: 117 Resp: 590938
Ion Ratio Lower Upper
117 100
82 51.0 41.3 61.9
119 31.4 24.6 37.0

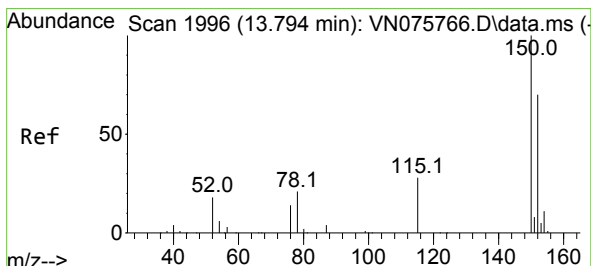
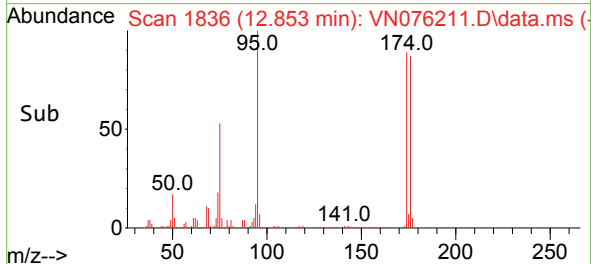
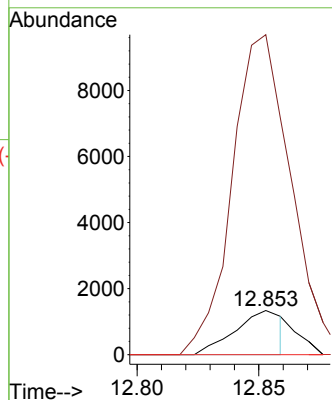
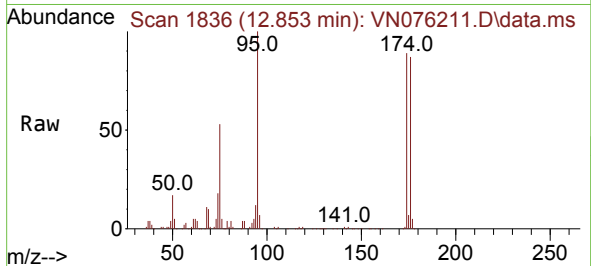




#71
Bromoform
Concen: 0.553 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

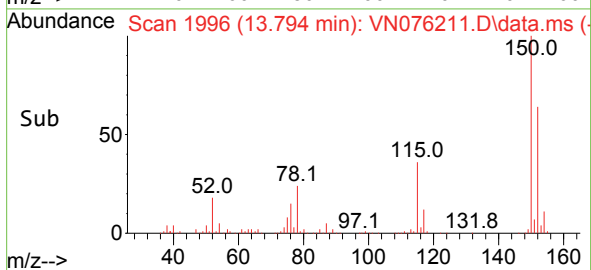
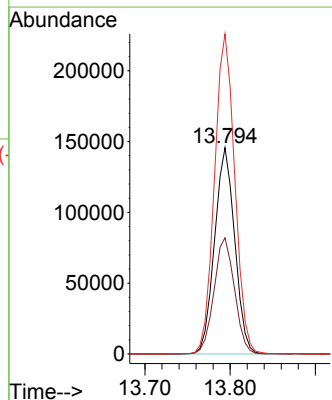
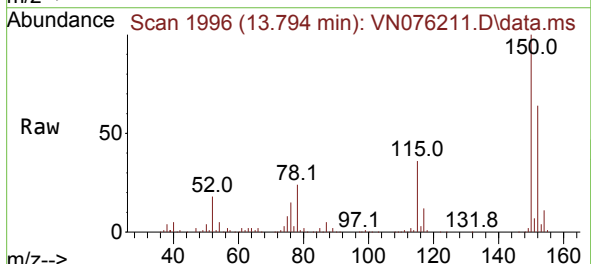
Instrument :
MSVOA_N
ClientSampleId :
IBLK

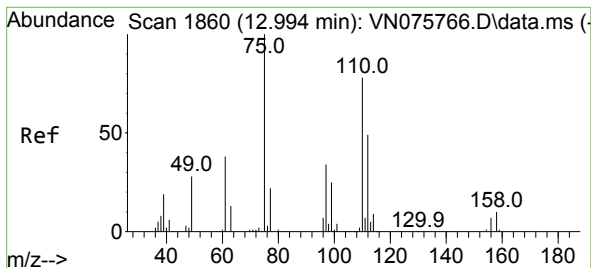
Tgt Ion:173 Resp: 1807
Ion Ratio Lower Upper
173 100
175 734.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076211.D
Acq: 11 Jan 2023 15:40

Tgt Ion:152 Resp: 239233
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.4
150 156.4 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 26.224 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

Instrument :

MSVOA_N

ClientSampleId :

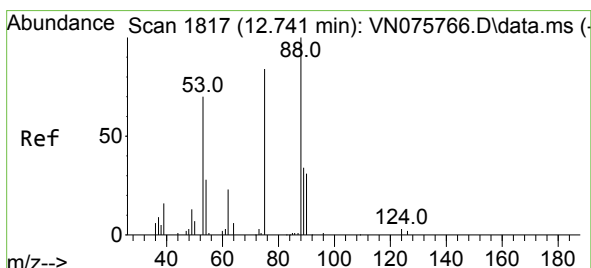
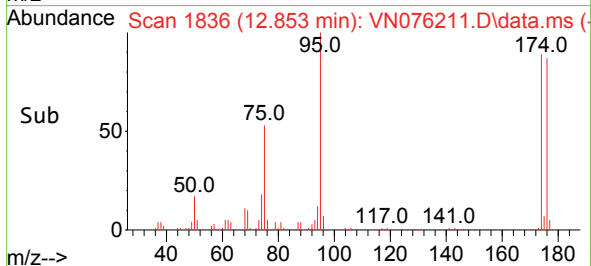
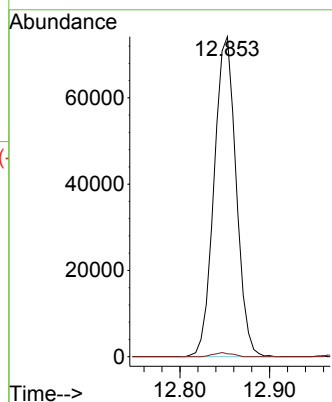
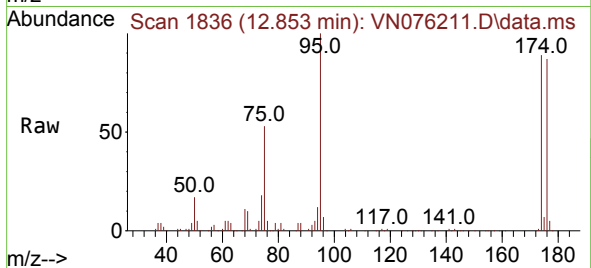
IBLK

Tgt Ion: 75 Resp: 126461

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.393 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

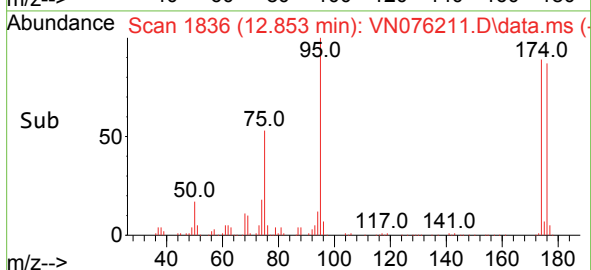
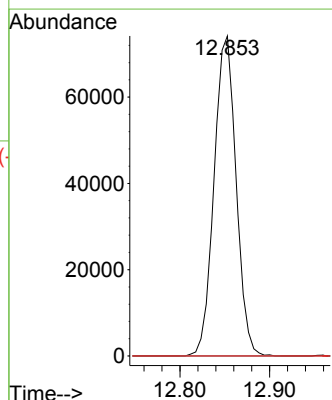
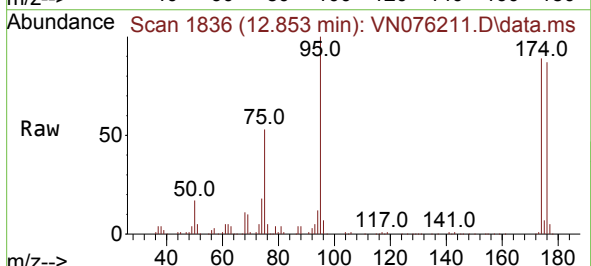
Tgt Ion: 75 Resp: 126461

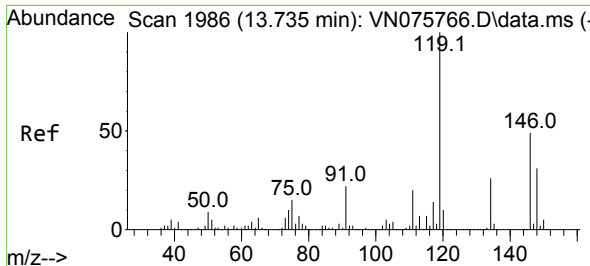
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#

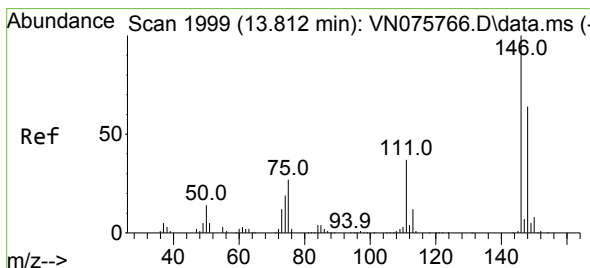
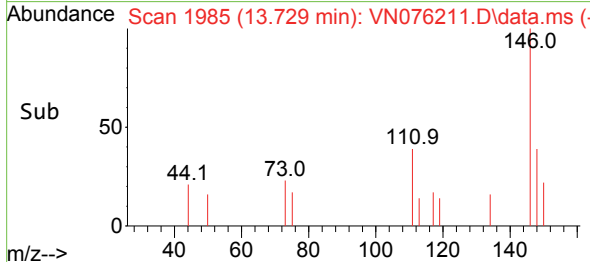
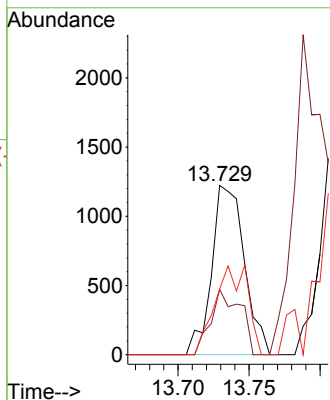
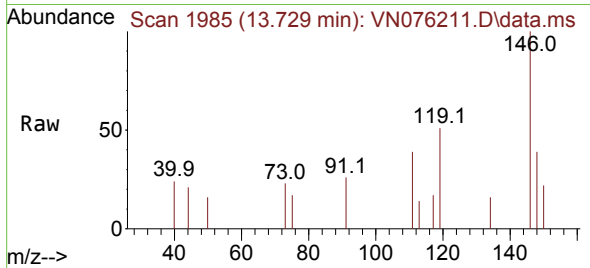




#87
 1,3-Dichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.006 min
 Lab File: VN076211.D
 Acq: 11 Jan 2023 15:40

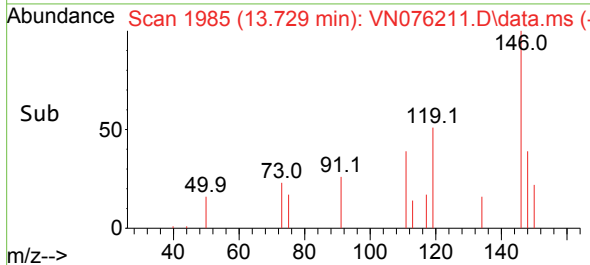
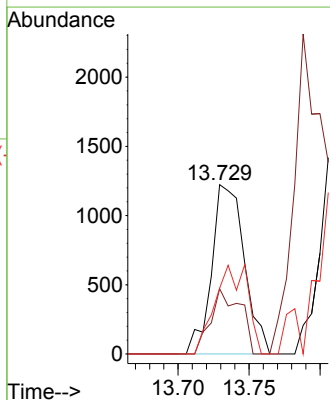
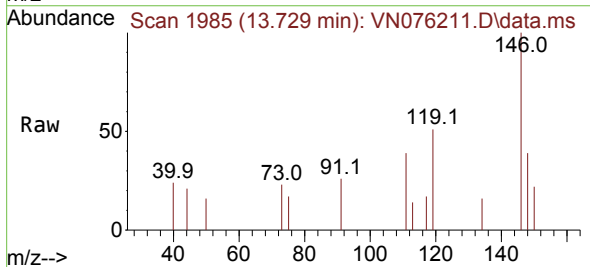
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

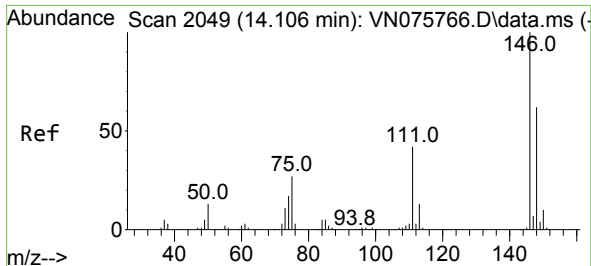
Tgt Ion:146 Resp: 1960
 Ion Ratio Lower Upper
 146 100
 111 34.6 19.7 59.0
 148 52.4 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.082 min
 Lab File: VN076211.D
 Acq: 11 Jan 2023 15:40

Tgt Ion:146 Resp: 1960
 Ion Ratio Lower Upper
 146 100
 111 34.6 19.1 57.1
 148 52.4 32.0 96.2





#91

1,2-Dichlorobenzene

Concen: 0.262 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. 0.000 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

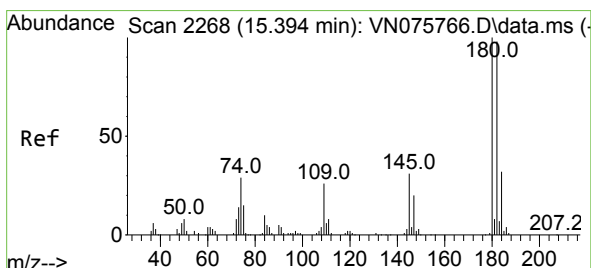
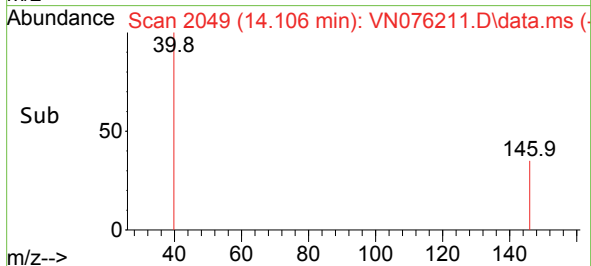
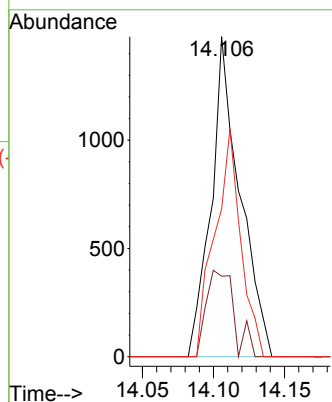
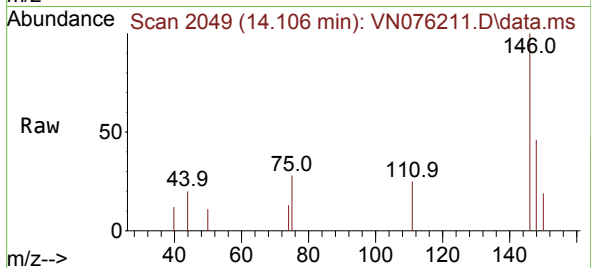
Tgt Ion:146 Resp: 2088

Ion Ratio Lower Upper

146 100

111 26.0 20.3 61.0

148 63.7 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 0.655 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. 0.000 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

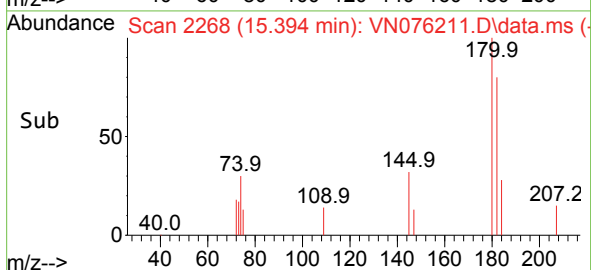
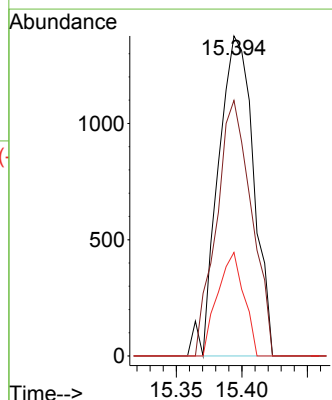
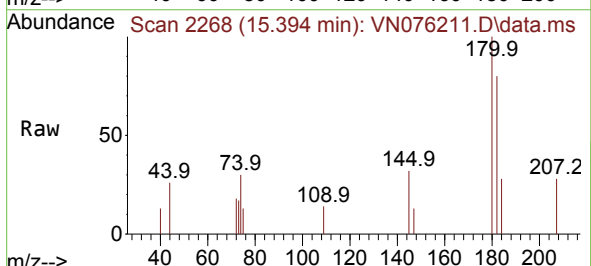
Tgt Ion:180 Resp: 2583

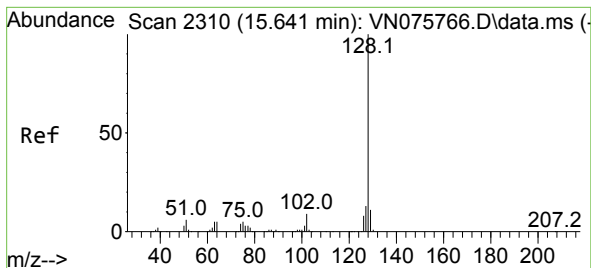
Ion Ratio Lower Upper

180 100

182 78.9 47.5 142.5

145 24.1 15.3 45.8





#95

Naphthalene

Concen: 3.163 ug/l

RT: 15.635 min Scan# 2309

Delta R.T. -0.006 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

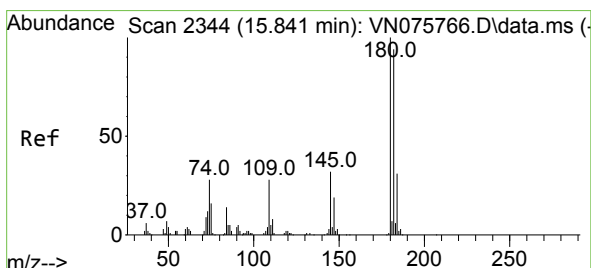
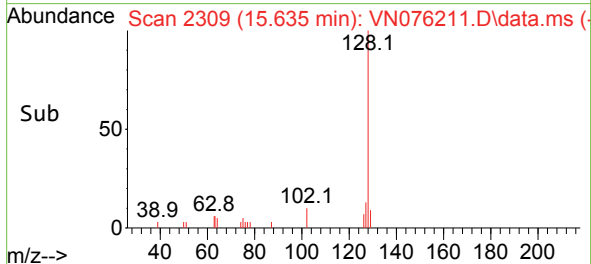
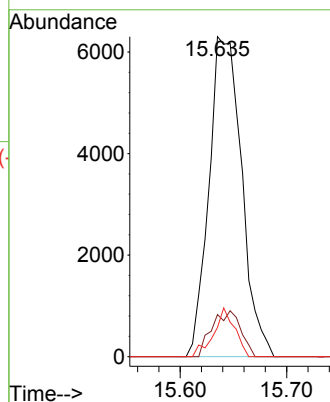
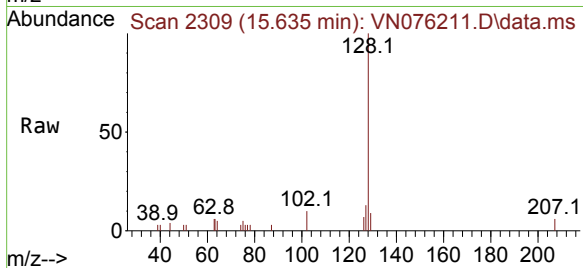
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:128	Resp:	13416
Ion Ratio	Lower	Upper
128	100	
127	12.6	10.4 15.6
129	9.8	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.702 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. 0.000 min

Lab File: VN076211.D

Acq: 11 Jan 2023 15:40

Tgt Ion:180	Resp:	2585
Ion Ratio	Lower	Upper
180	100	
182	93.0	47.0 141.0
145	24.1	16.0 47.9

