

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076198.D
 Acq On : 11 Jan 2023 10:18
 Operator : JC\MD
 Sample : VN011123WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0111WBL01

Quant Time: Jan 12 00:30:47 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)

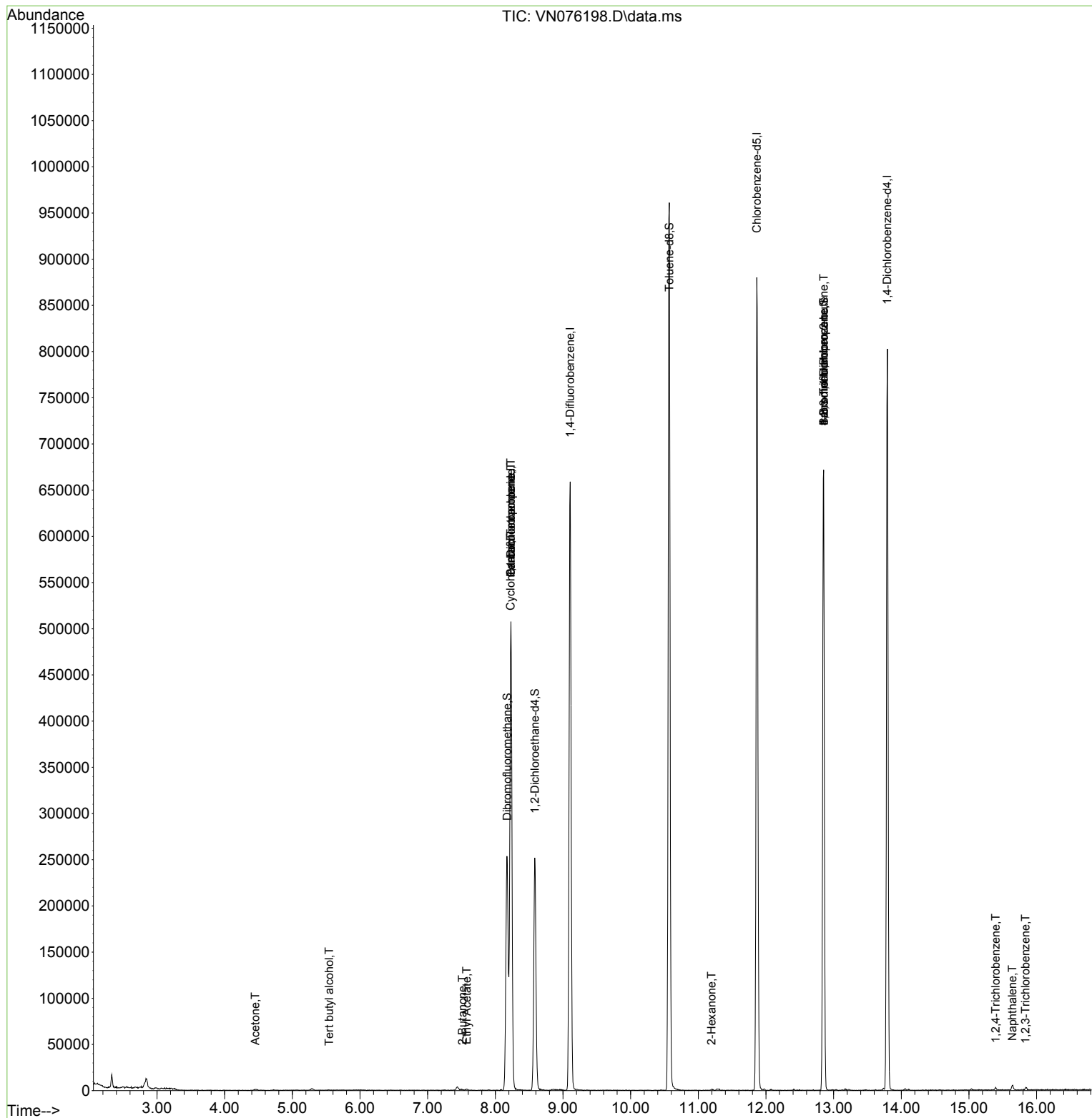
Internal Standards						
1) Pentafluorobenzene	8.230	168	392875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	615044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	541223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	200743	46.967	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.940%
35) Dibromofluoromethane	8.177	113	183731	48.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	10.571	98	705385	49.532	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.853	95	223679	47.422	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	250	0.413	ug/l #	72
16) Acetone	4.453	43	2210	1.500	ug/l	99
20) Methylene Chloride	5.300	84	654	Below Cal	#	85
25) 2-Butanone	7.512	43	1414	0.685	ug/l #	40
31) Cyclohexane	8.224	56	8050	1.315	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	28244	5.582	ug/l #	49
37) Ethyl Acetate	7.577	43	2693	0.663	ug/l #	71
38) Carbon Tetrachloride	8.230	117	38724	6.838	ug/l #	16
59) 2-Hexanone	11.194	43	1165	0.394	ug/l	98
71) Bromoform	12.853	173	1824	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	118402	25.510	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118402	91.823	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	1227	0.323	ug/l #	90
95) Naphthalene	15.641	128	5835	2.623	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	1270	0.358	ug/l	90

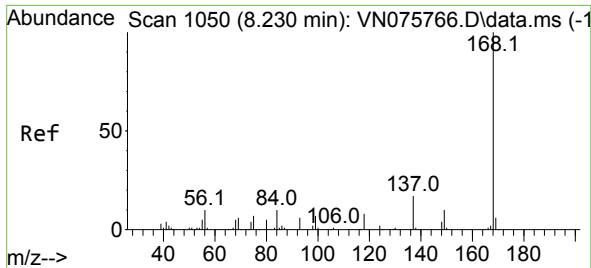
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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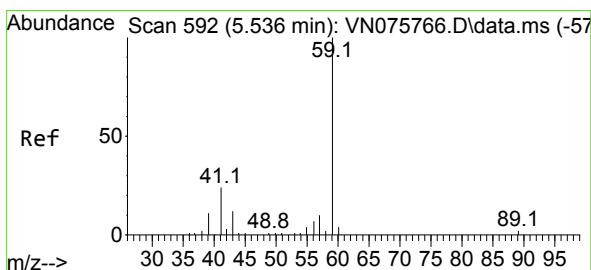
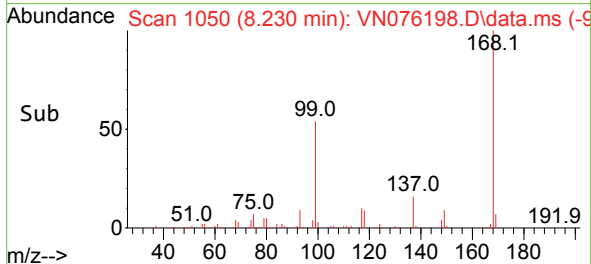
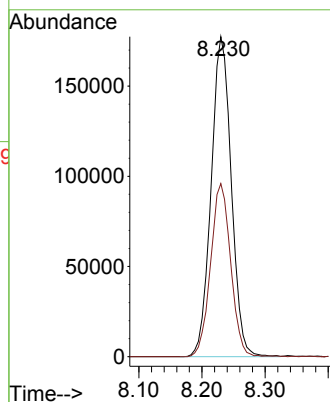
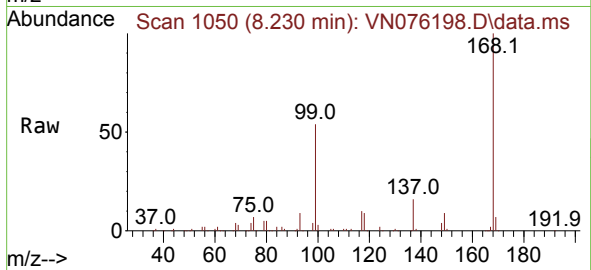




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

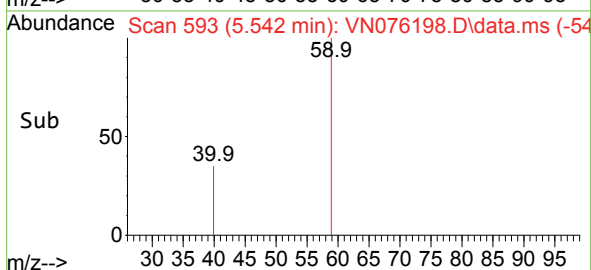
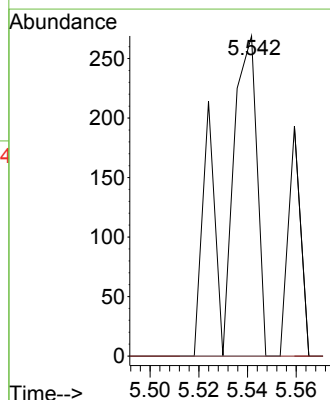
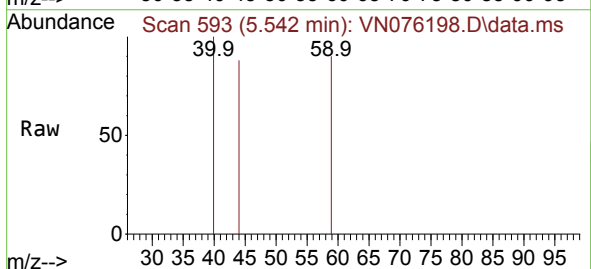
Instrument :
MSVOA_N
ClientSampleId :
VN0111WBL01

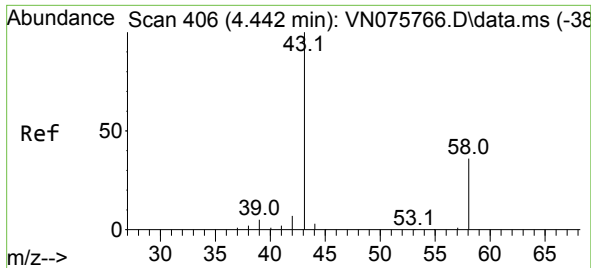
Tgt Ion:168 Resp: 392875
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.413 ug/l
RT: 5.542 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.500 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076198.D

Acq: 11 Jan 2023 10:18

Instrument :

MSVOA_N

ClientSampleId :

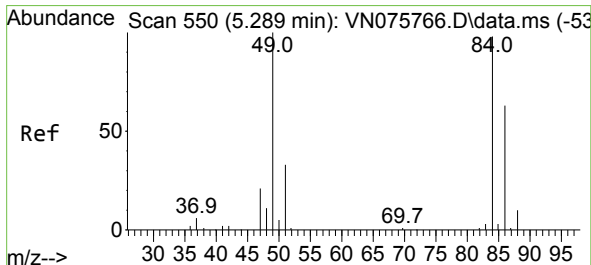
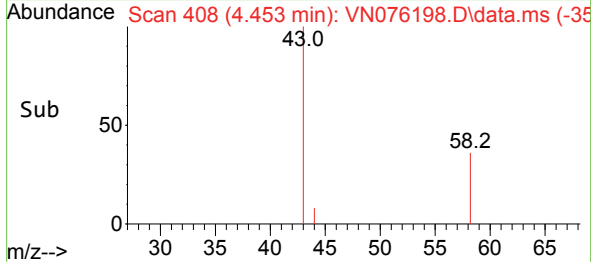
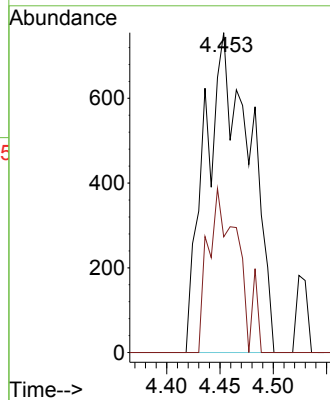
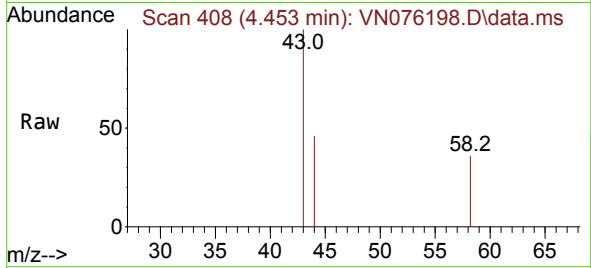
VN0111WBL01

Tgt Ion: 43 Resp: 2210

Ion Ratio Lower Upper

43 100

58 36.2 28.6 43.0



#20

Methylene Chloride

Concen: Below Cal

RT: 5.300 min Scan# 552

Delta R.T. 0.011 min

Lab File: VN076198.D

Acq: 11 Jan 2023 10:18

Tgt Ion: 84 Resp: 654

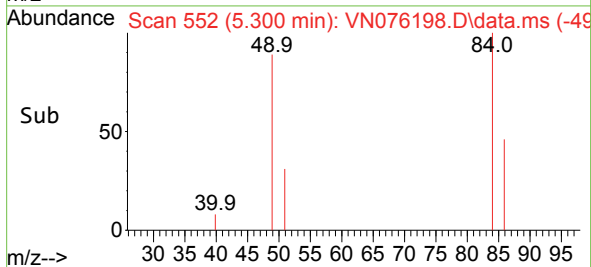
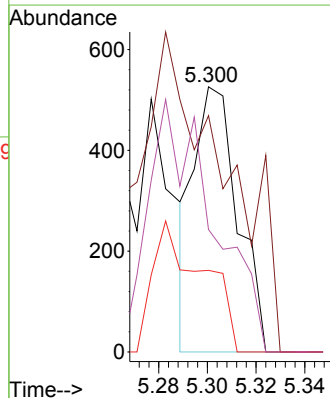
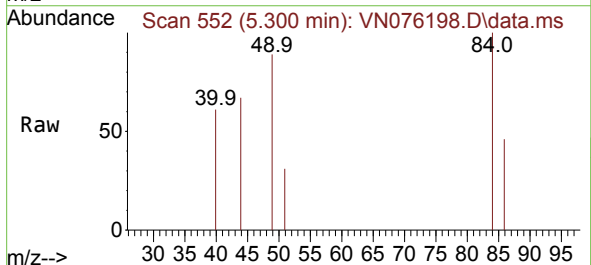
Ion Ratio Lower Upper

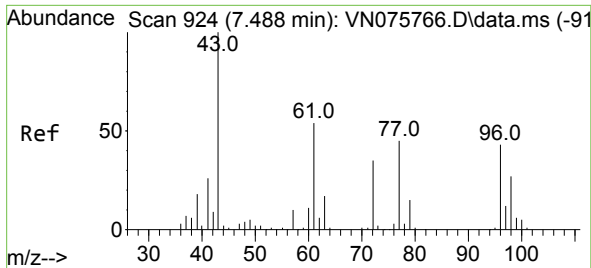
84 100

49 89.2 81.8 122.6

51 30.8 26.7 40.1

86 46.2 51.5 77.3#

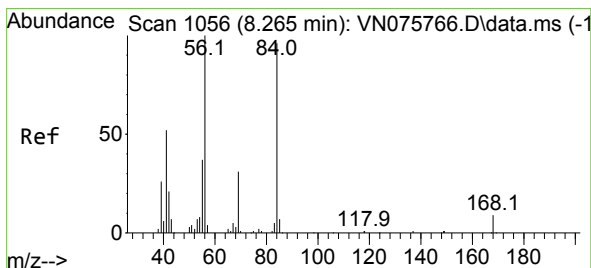
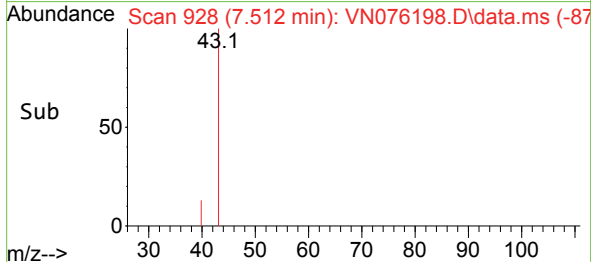
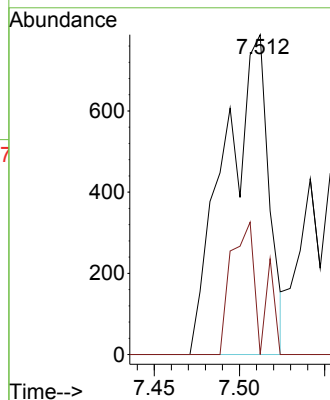
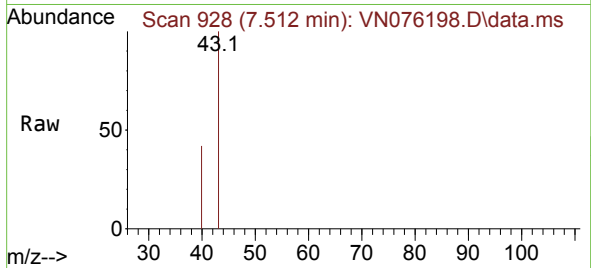




#25
2-Butanone
Concen: 0.685 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

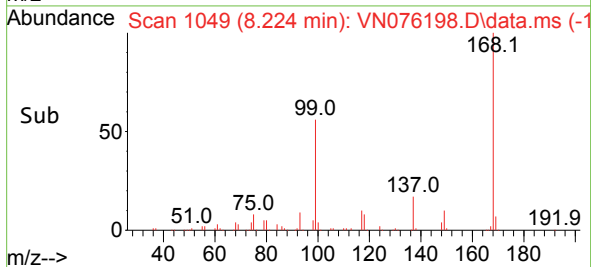
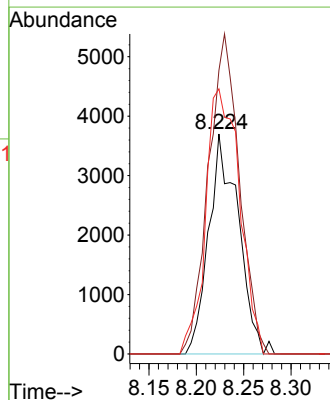
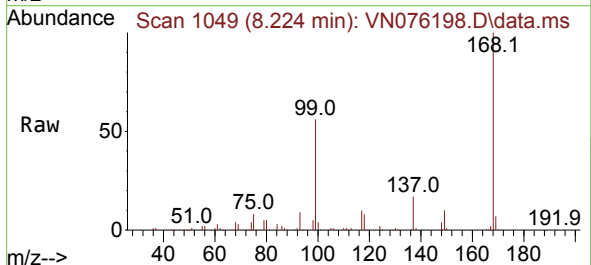
Instrument :
MSVOA_N
ClientSampleId :
VN0111WBL01

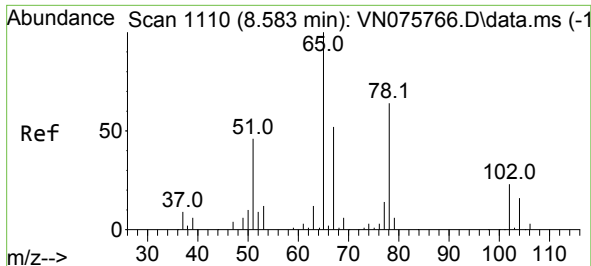
Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

Tgt Ion: 56 Resp: 8050
Ion Ratio Lower Upper
56 100
69 128.8 24.7 37.1#
84 120.5 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.967 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076198.D

Acq: 11 Jan 2023 10:18

Instrument :

MSVOA_N

ClientSampleId :

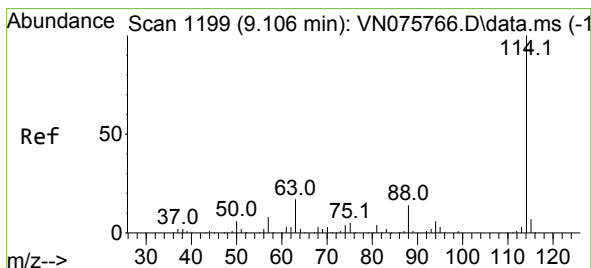
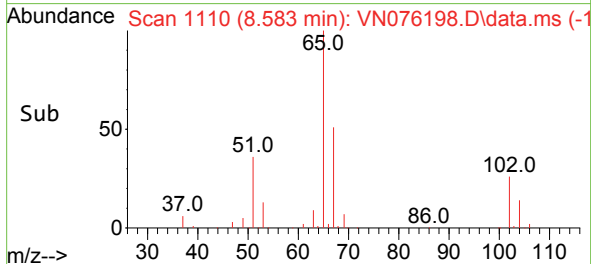
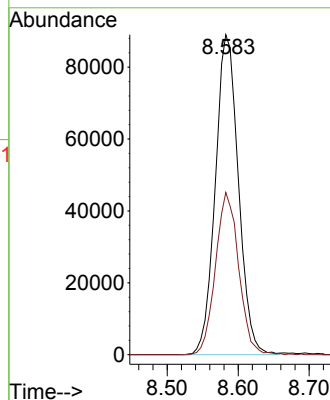
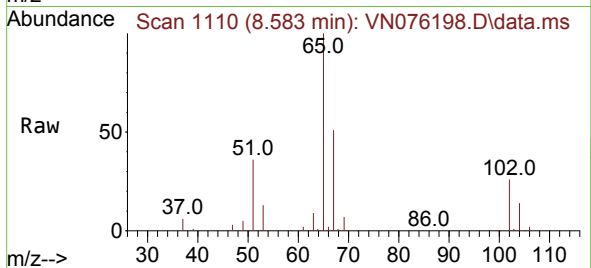
VN0111WBL01

Tgt Ion: 65 Resp: 200743

Ion Ratio Lower Upper

65 100

67 50.9 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: VN076198.D

Acq: 11 Jan 2023 10:18

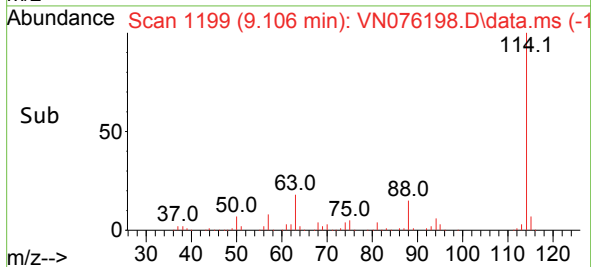
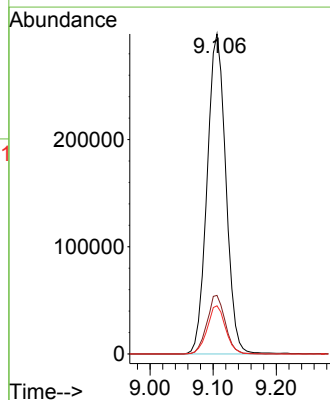
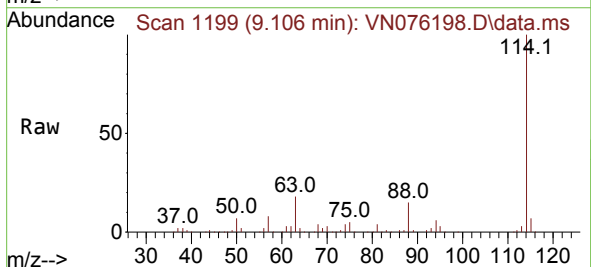
Tgt Ion: 114 Resp: 615044

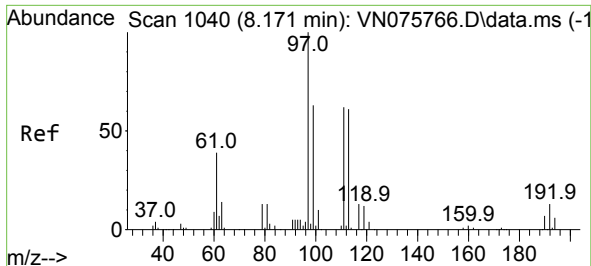
Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

88 15.1 0.0 28.8

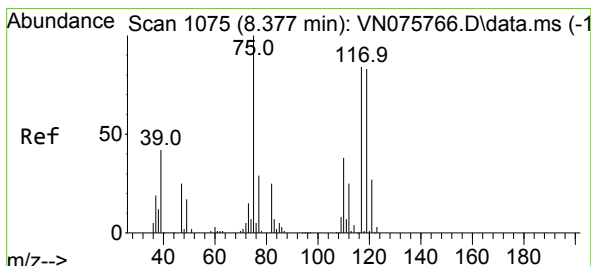
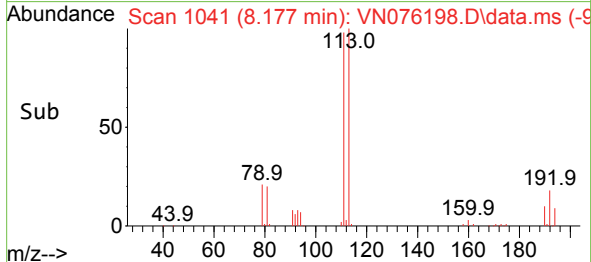
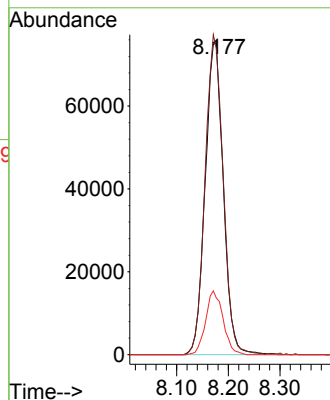
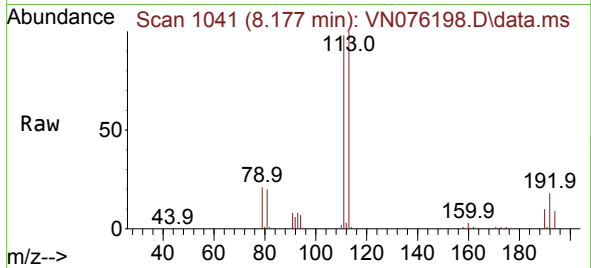




#35
Dibromofluoromethane
Concen: 48.238 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

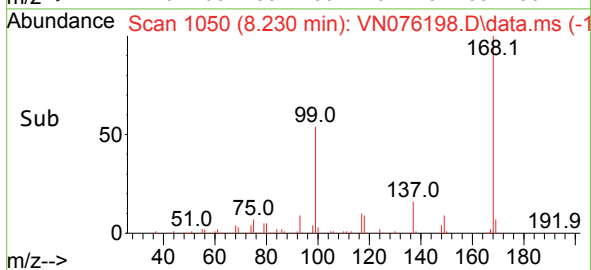
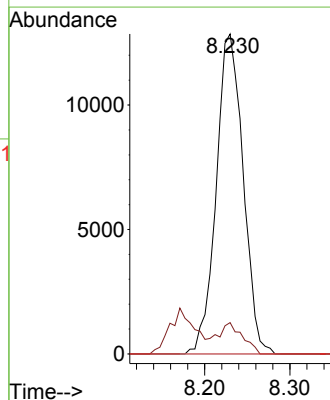
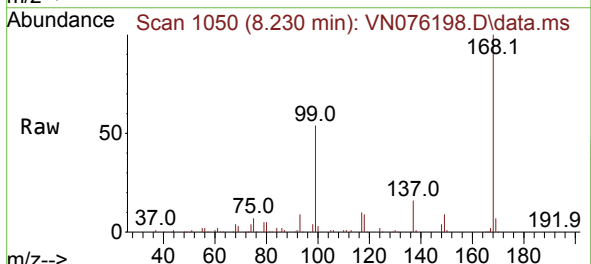
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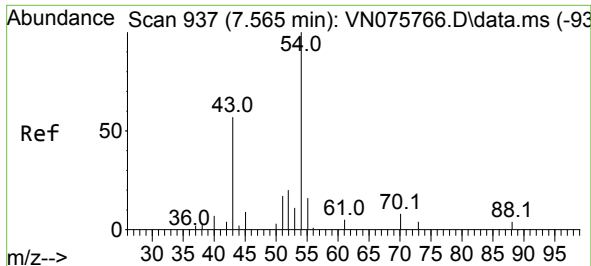
Tgt Ion:113 Resp: 183731
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.582 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

Tgt Ion: 75 Resp: 28244
Ion Ratio Lower Upper
75 100
110 8.6 18.8 56.4#
77 0.0 24.1 36.1#

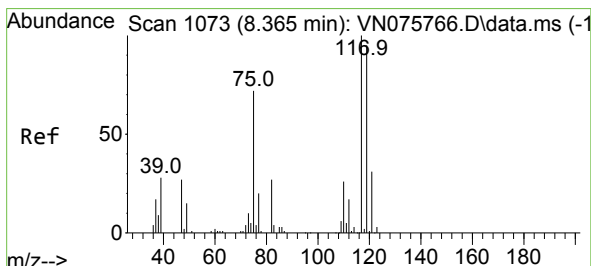
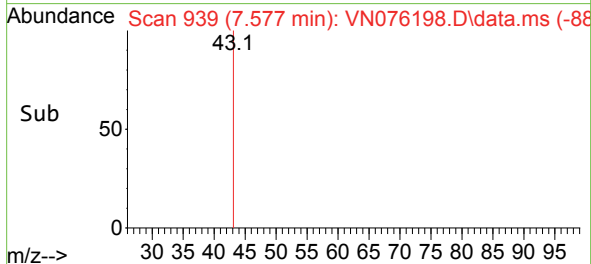
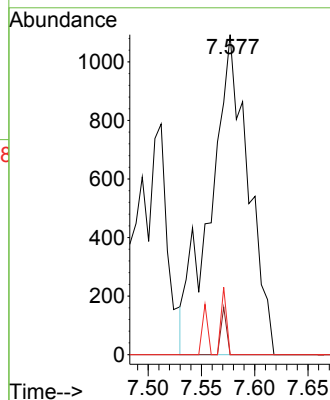
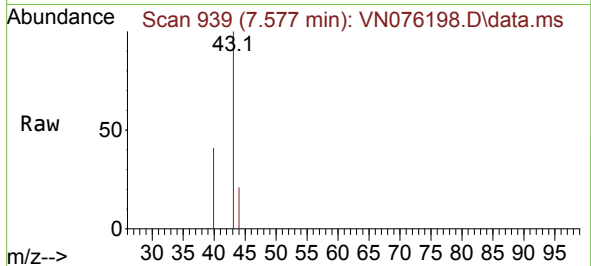




#37
Ethyl Acetate
Concen: 0.663 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

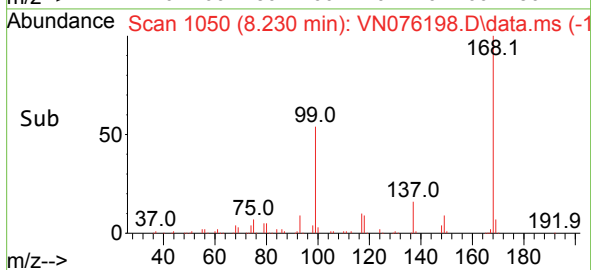
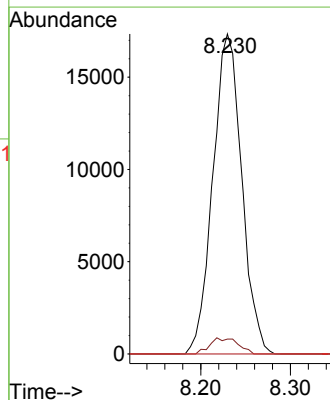
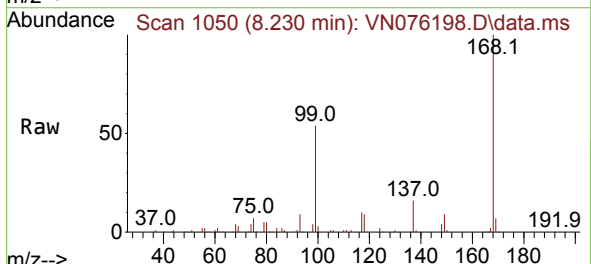
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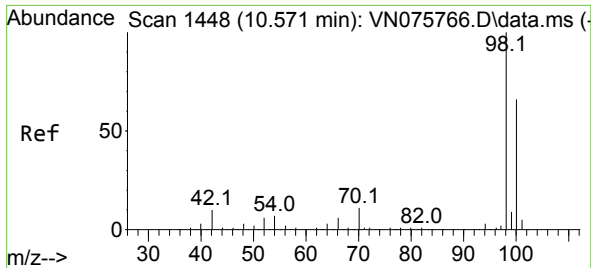
Tgt Ion: 43 Resp: 2693
Ion Ratio Lower Upper
43 100
61 2.1 13.0 19.4#
70 3.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.838 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

Tgt Ion: 117 Resp: 38724
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.5 36.7#

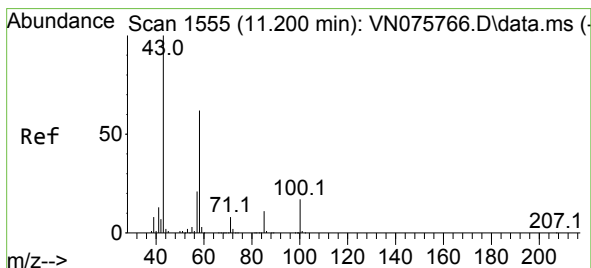
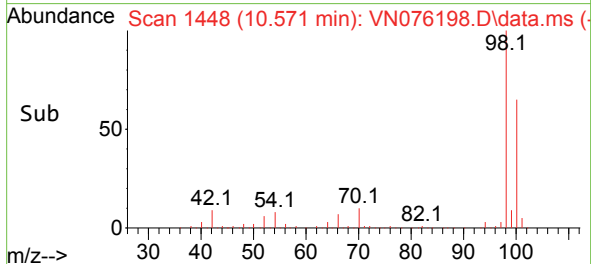
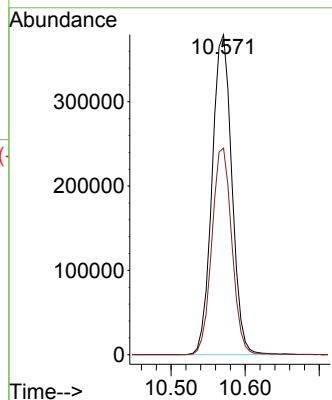
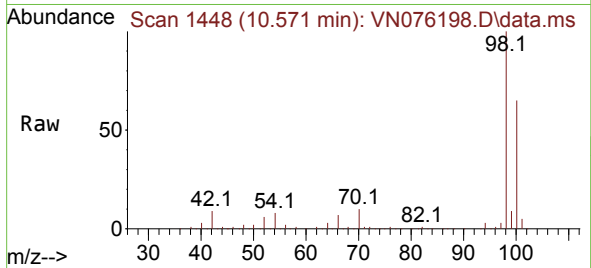




#50
Toluene-d8
Concen: 49.532 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

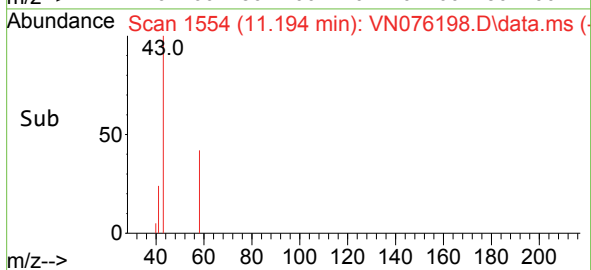
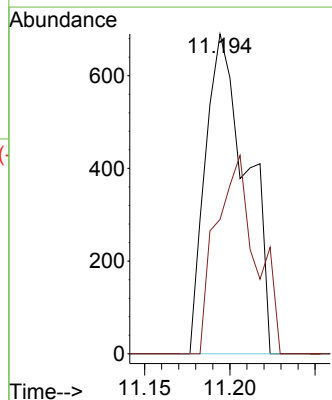
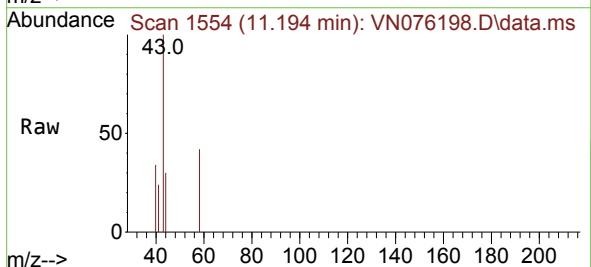
Instrument :
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VN0111WBL01

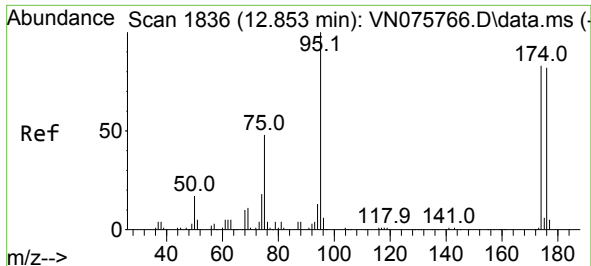
Tgt Ion: 98 Resp: 705385
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#59
2-Hexanone
Concen: 0.394 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

Tgt Ion: 43 Resp: 1165
Ion Ratio Lower Upper
43 100
58 59.5 30.6 92.0

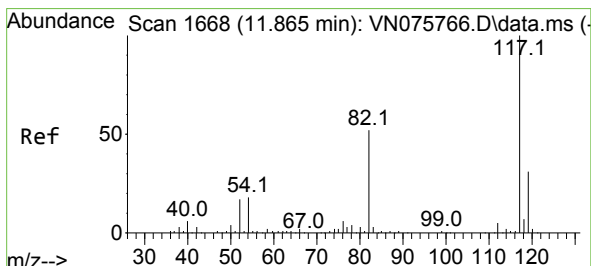
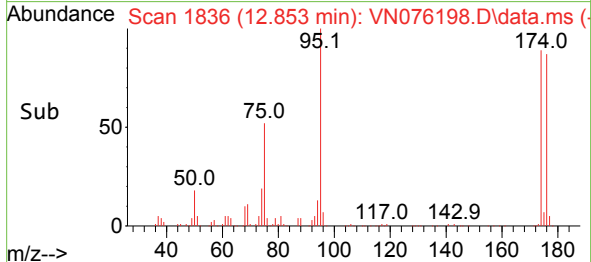
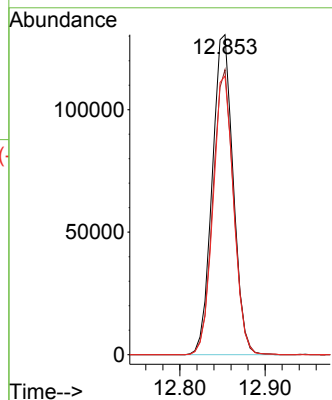
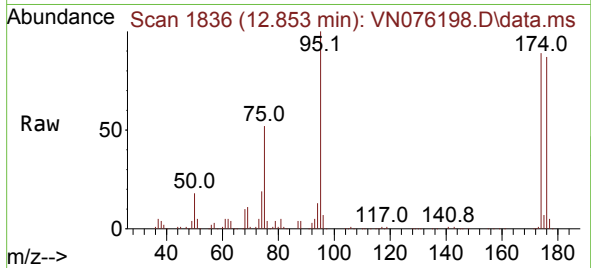




#62
4-Bromofluorobenzene
Concen: 47.422 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

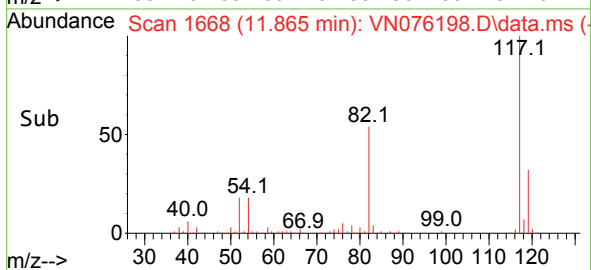
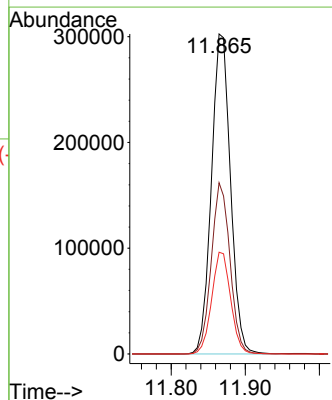
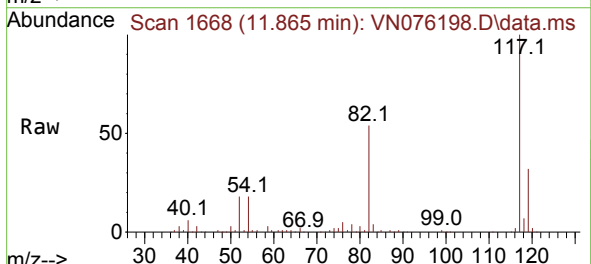
Instrument :
MSVOA_N
ClientSampleId :
VN0111WBL01

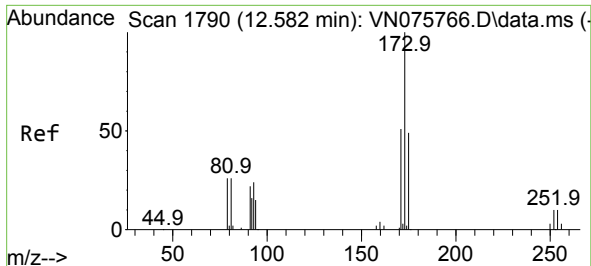
Tgt Ion: 95 Resp: 223679
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 85.6 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

Tgt Ion: 117 Resp: 541223
Ion Ratio Lower Upper
117 100
82 53.5 41.3 61.9
119 31.8 24.6 37.0

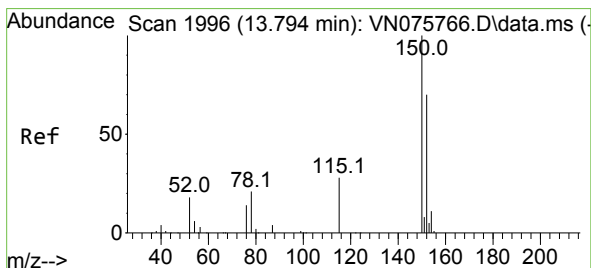
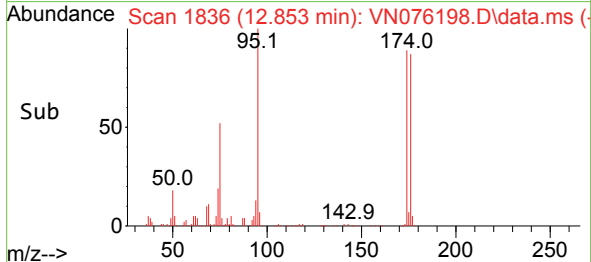
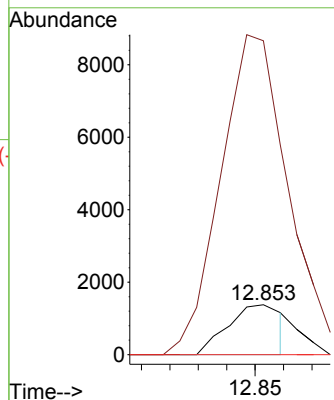
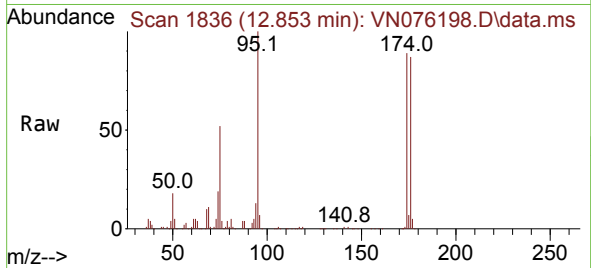




#71
Bromoform
Concen: 0.609 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

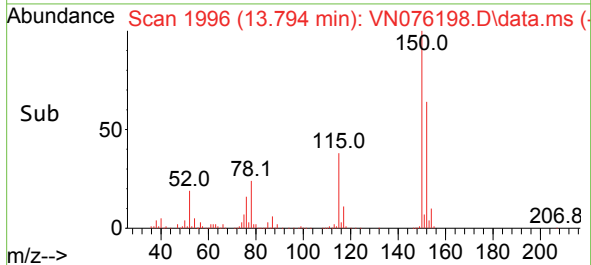
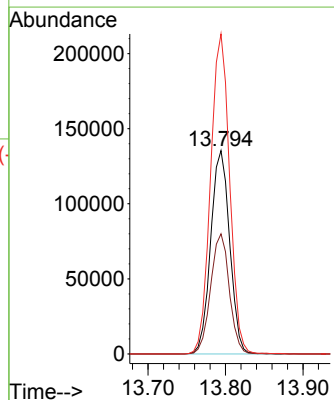
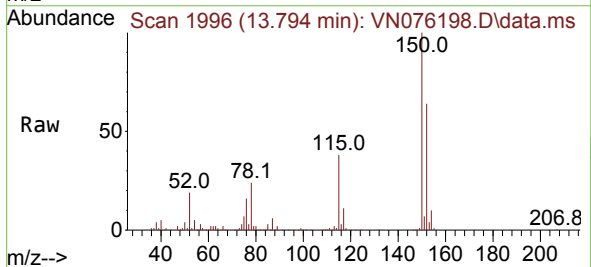
Instrument :
MSVOA_N
ClientSampleId :
VN0111WBL01

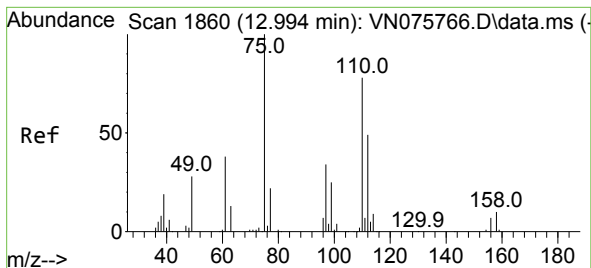
Tgt Ion:173 Resp: 1824
Ion Ratio Lower Upper
173 100
175 681.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076198.D
Acq: 11 Jan 2023 10:18

Tgt Ion:152 Resp: 230256
Ion Ratio Lower Upper
152 100
115 58.2 29.1 87.4
150 157.6 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 25.510 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076198.D

Acq: 11 Jan 2023 10:18

Instrument :

MSVOA_N

ClientSampleId :

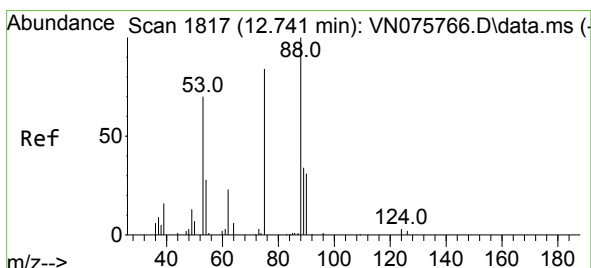
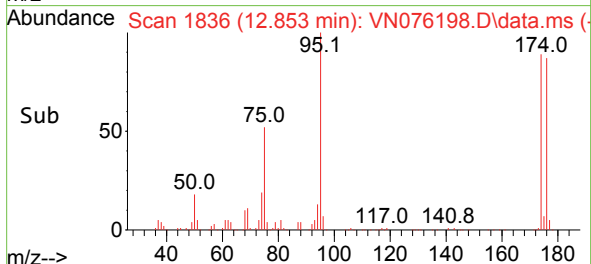
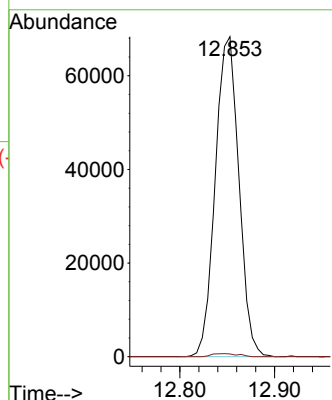
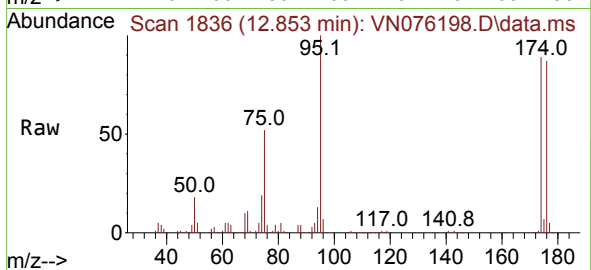
VN0111WBL01

Tgt Ion: 75 Resp: 118402

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.823 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076198.D

Acq: 11 Jan 2023 10:18

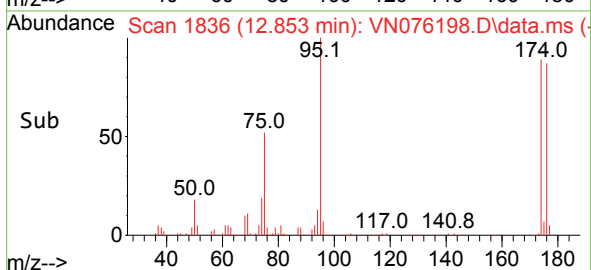
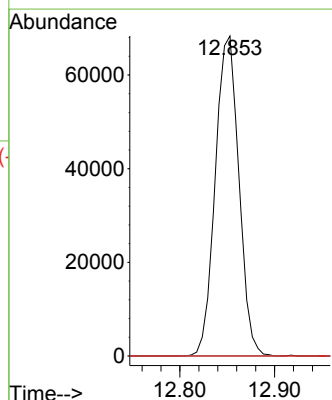
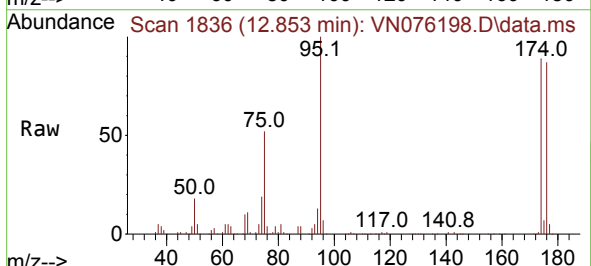
Tgt Ion: 75 Resp: 118402

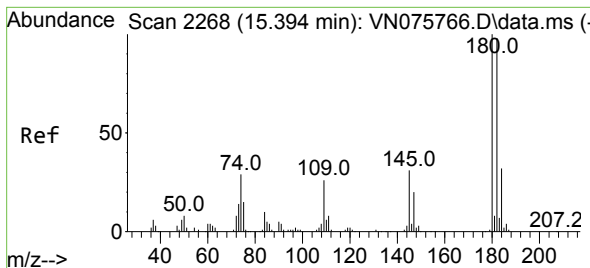
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.323 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN076198.D

Acq: 11 Jan 2023 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0111WBL01

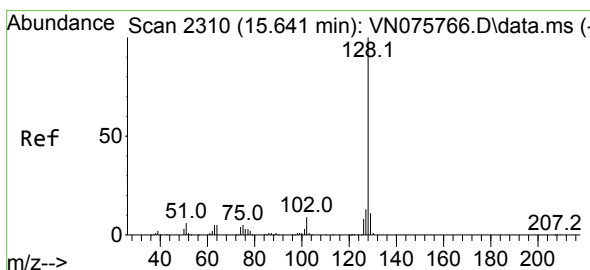
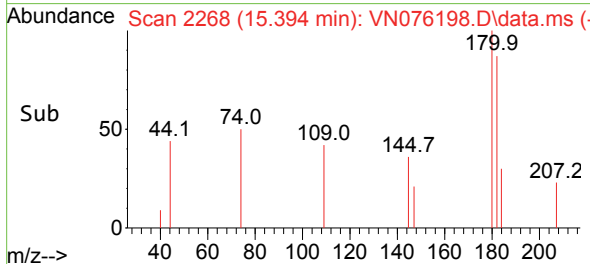
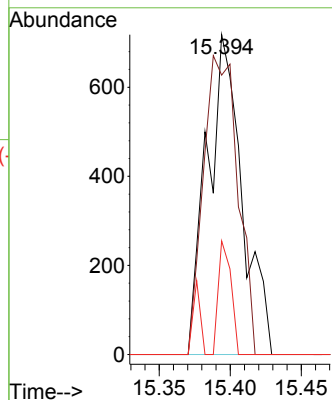
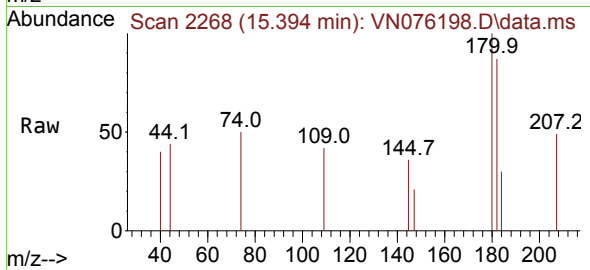
Tgt Ion:180 Resp: 1227

Ion Ratio Lower Upper

180 100

182 92.3 47.5 142.5

145 12.9 15.3 45.8#



#95

Naphthalene

Concen: 2.623 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076198.D

Acq: 11 Jan 2023 10:18

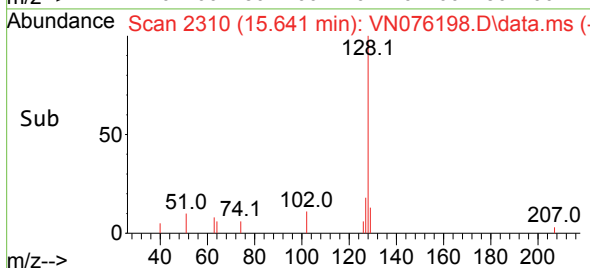
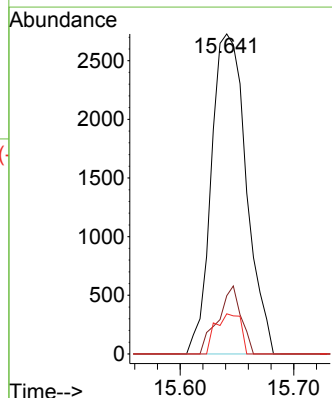
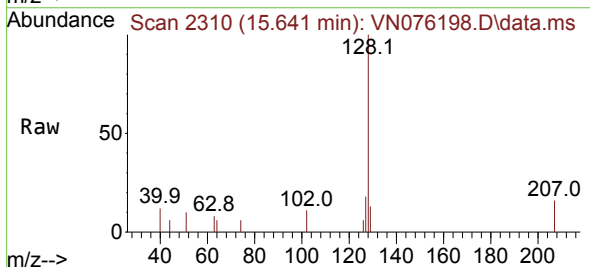
Tgt Ion:128 Resp: 5835

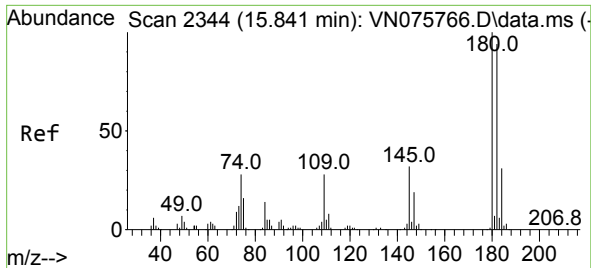
Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

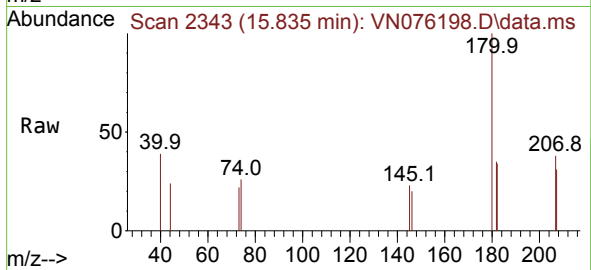
129 9.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.358 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076198.D
 Acq: 11 Jan 2023 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0111WBL01



Tgt Ion:	180	Resp:	1270
Ion	Ratio	Lower	Upper
180	100		
182	106.5	47.0	141.0
145	33.1	16.0	47.9

