

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060823\
 Data File : VN078126.D
 Acq On : 08 Jun 2023 13:48
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 09 01:26:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

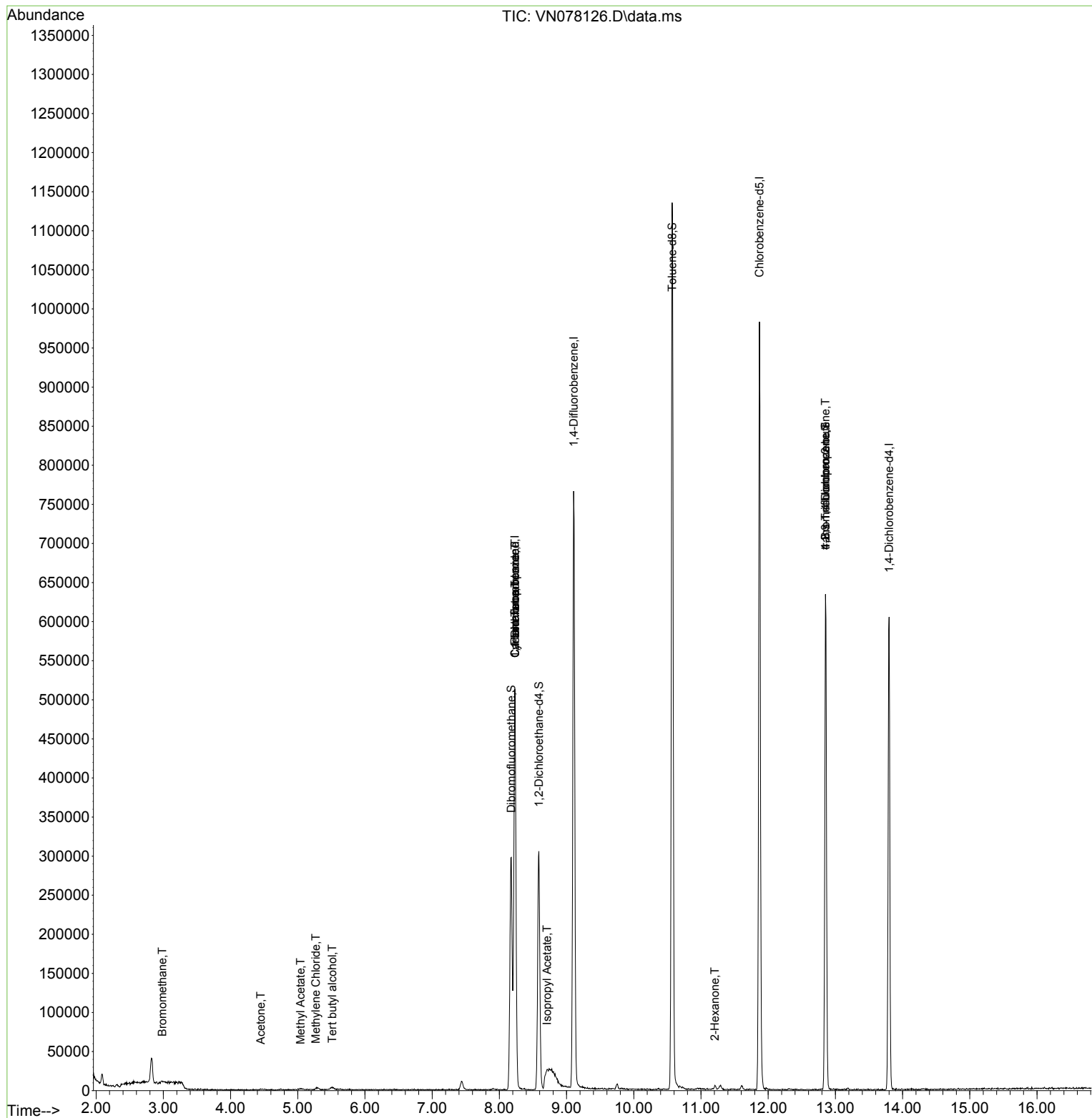
Internal Standards						
1) Pentafluorobenzene	8.229	168	360963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	674413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	578710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	168406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	247319	51.388	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.780%	
35) Dibromofluoromethane	8.177	113	215867	50.623	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.240%	
50) Toluene-d8	10.570	98	833500	50.703	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	12.853	95	229361	44.880	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1303	Below Cal	#	42
5) Bromomethane	2.983	94	1198	0.297	ug/l	98
11) Tert butyl alcohol	5.512	59	2257	3.396	ug/l #	72
16) Acetone	4.447	43	1287	0.929	ug/l #	84
18) Methyl Acetate	5.041	43	1762	0.276	ug/l	90
20) Methylene Chloride	5.271	84	1150	0.251	ug/l #	71
31) Cyclohexane	8.235	56	8787	1.423	ug/l #	38
36) 1,1-Dichloropropene	8.235	75	31695	5.182	ug/l #	48
38) Carbon Tetrachloride	8.235	117	41248	6.387	ug/l #	15
43) Isopropyl Acetate	8.712	43	31400	3.436	ug/l #	49
59) 2-Hexanone	11.206	43	1494	0.446	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.853	83	261	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	121797	30.593	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	121797	93.992	ug/l #	15

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

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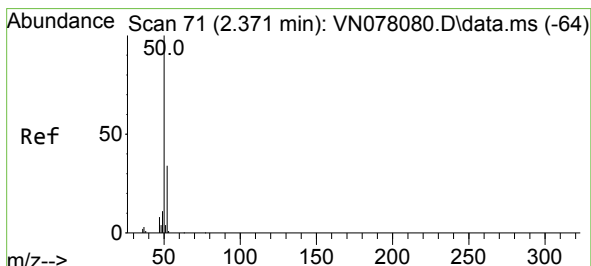
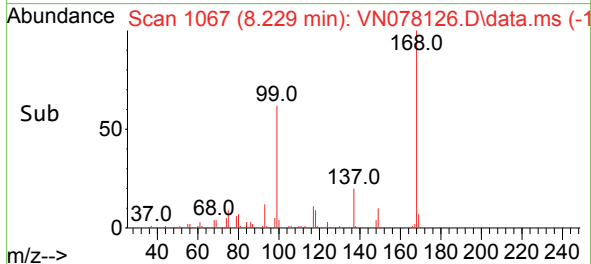
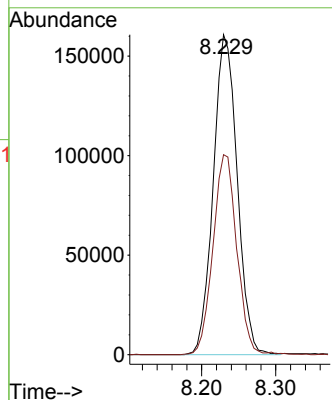
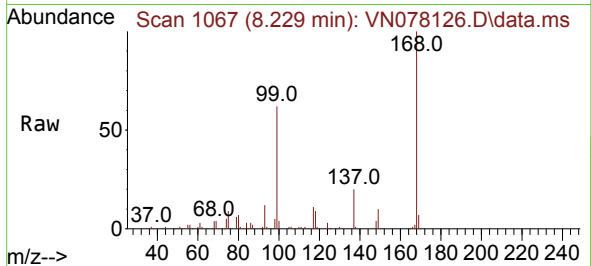




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

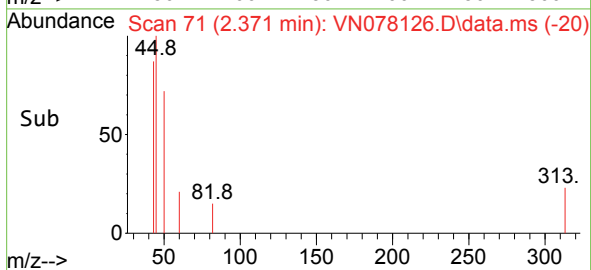
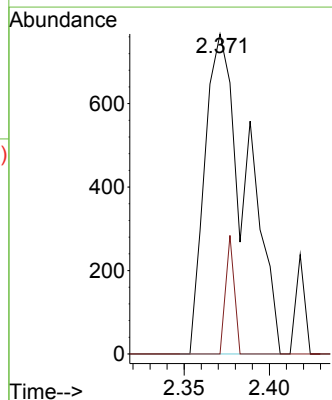
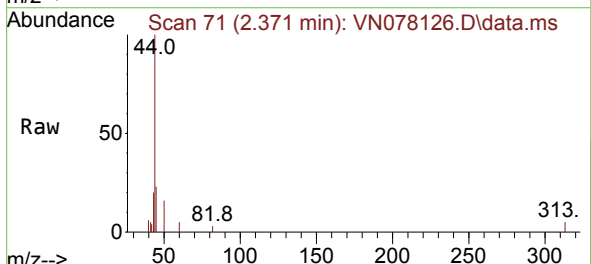
Instrument :
MSVOA_N
ClientSampleId :
IBLK

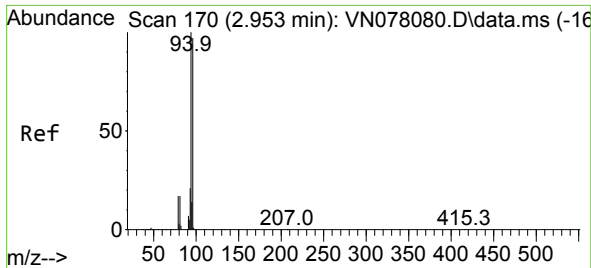
Tgt Ion:168 Resp: 360963
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

Tgt Ion: 50 Resp: 1303
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

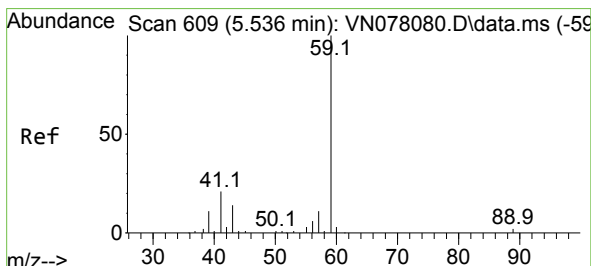
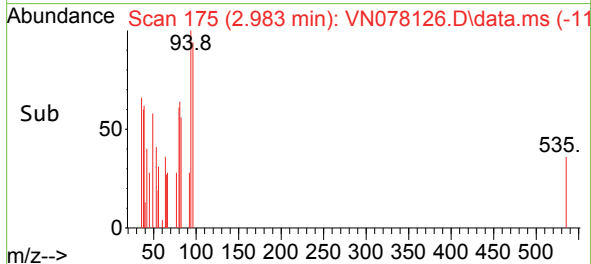
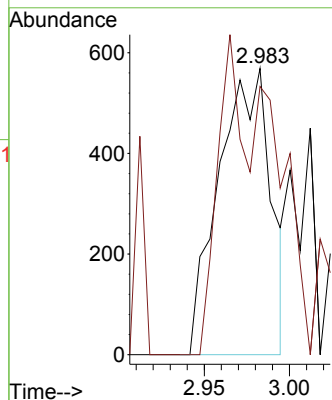
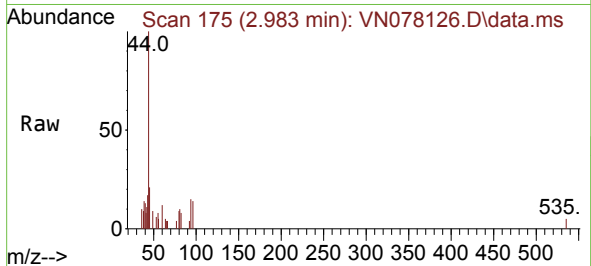




#5
Bromomethane
Concen: 0.297 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

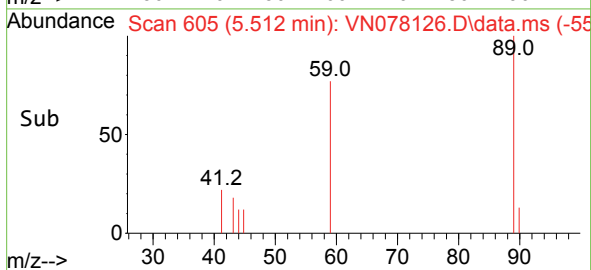
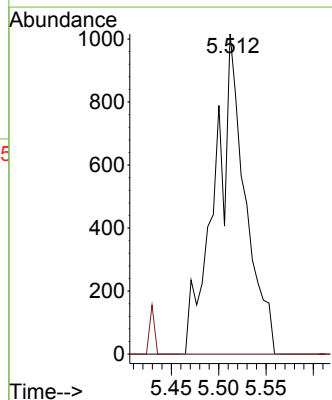
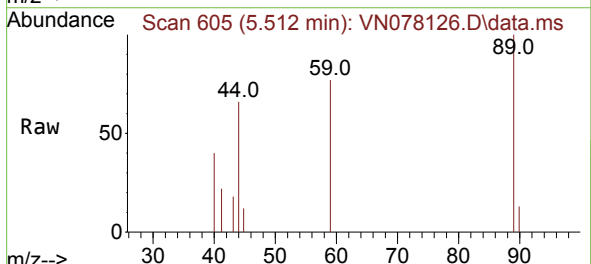
Instrument :
MSVOA_N
ClientSampleId :
IBLK

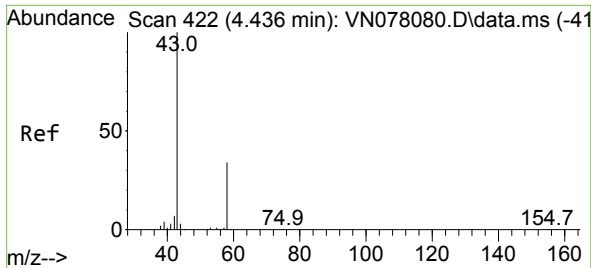
Tgt Ion: 94 Resp: 1198
Ion Ratio Lower Upper
94 100
96 93.7 73.1 109.7



#11
Tert butyl alcohol
Concen: 3.396 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.024 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

Tgt Ion: 59 Resp: 2257
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

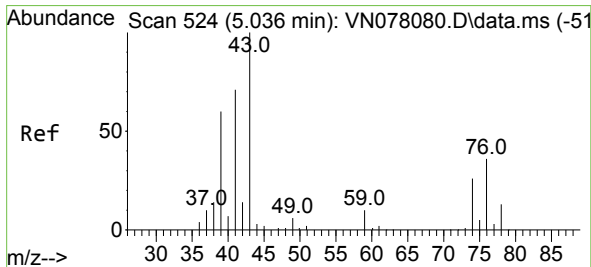
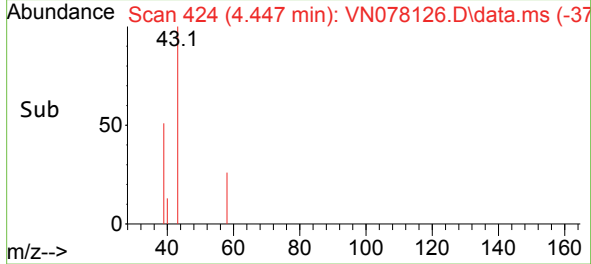
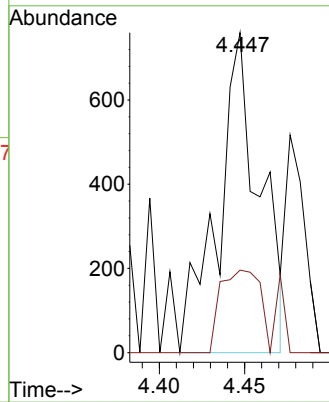
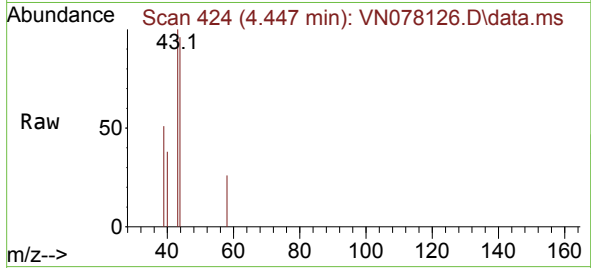




#16
Acetone
Concen: 0.929 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

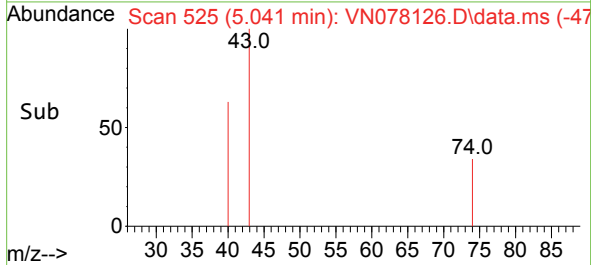
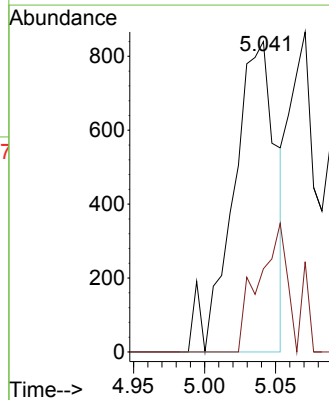
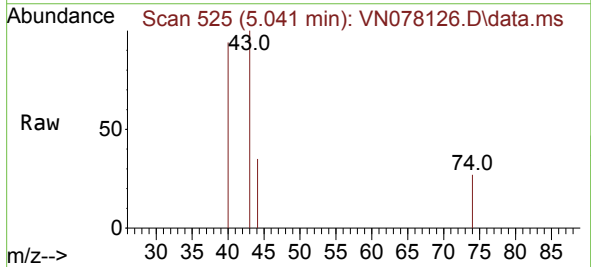
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
58 25.8 28.0 42.0#



#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

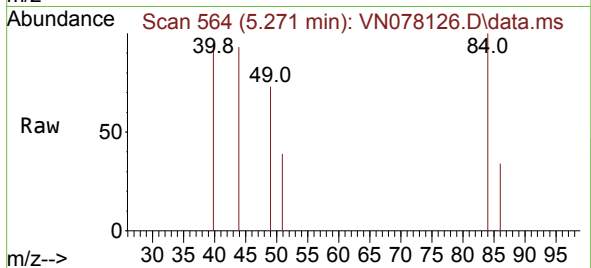
Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
74 27.4 26.2 39.4



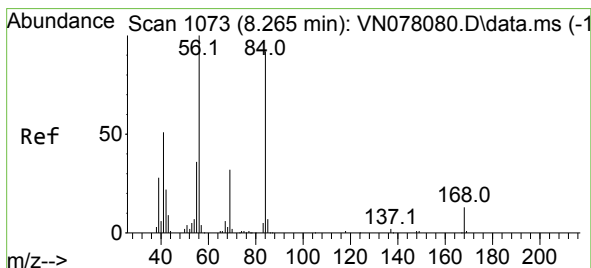
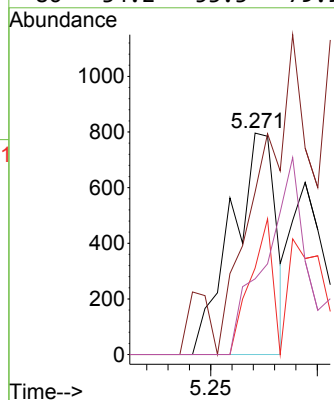
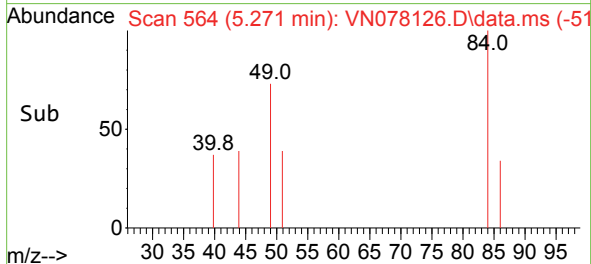


#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

Instrument :
MSVOA_N
ClientSampleId :
IBLK

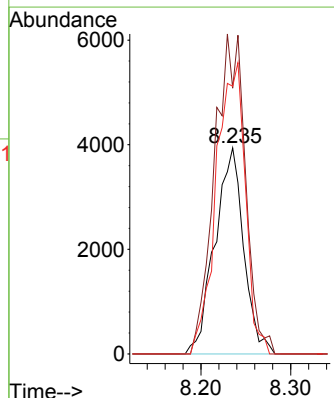
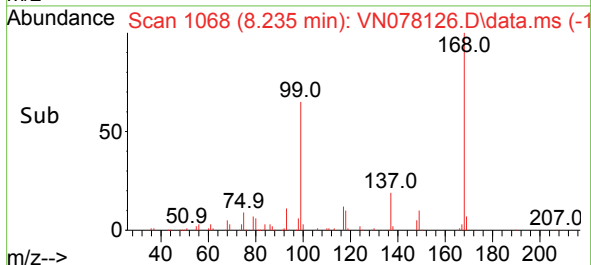
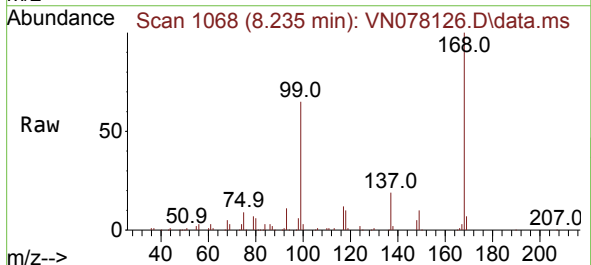


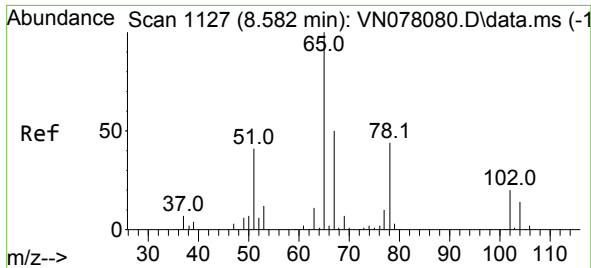
Tgt Ion:	84	Resp:	1150
Ion	Ratio	Lower	Upper
84	100		
49	73.4	79.7	119.5#
51	39.1	25.2	37.8#
86	34.2	53.3	79.9#



#31
Cyclohexane
Concen: 1.423 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

Tgt Ion:	56	Resp:	8787
Ion	Ratio	Lower	Upper
56	100		
69	129.0	26.8	40.2#
84	129.9	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.388 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

Instrument :

MSVOA_N

ClientSampleId :

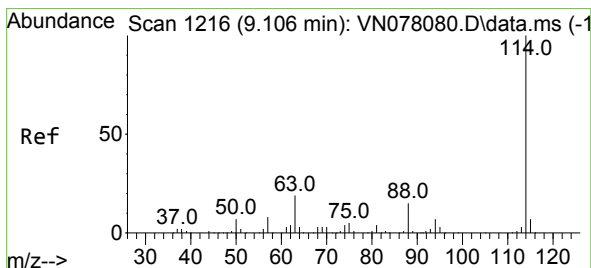
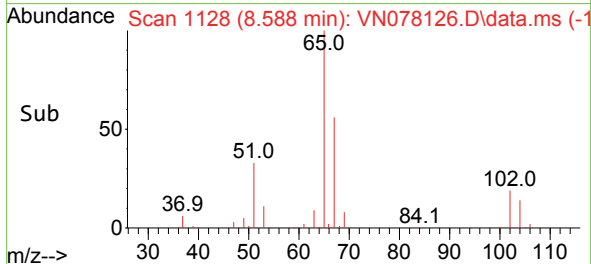
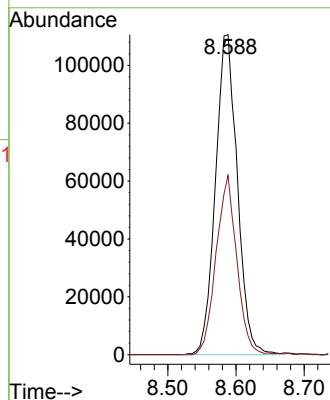
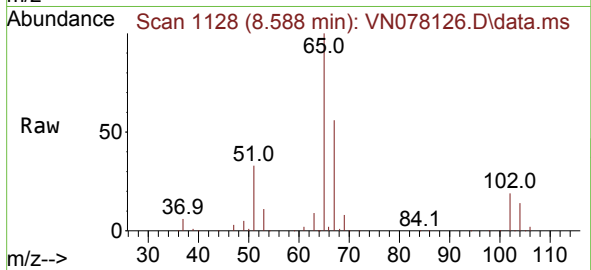
IBLK

Tgt Ion: 65 Resp: 247319

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

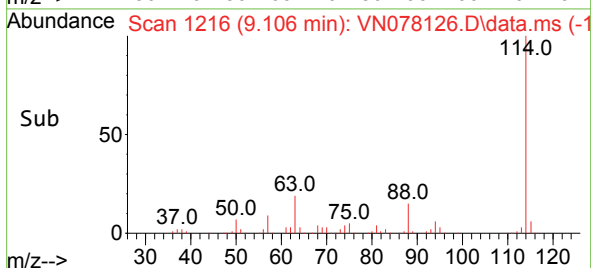
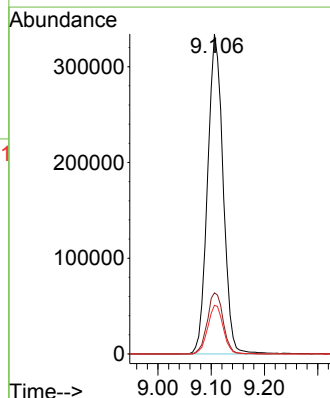
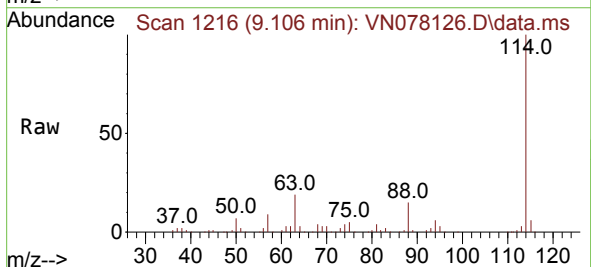
Tgt Ion: 114 Resp: 674413

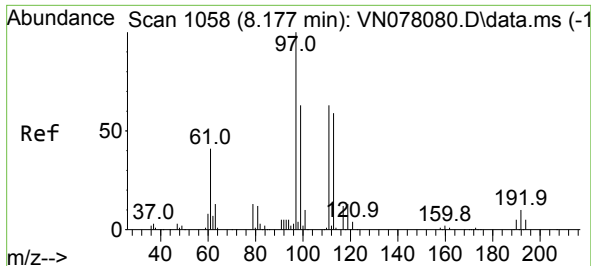
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 15.2 0.0 30.6

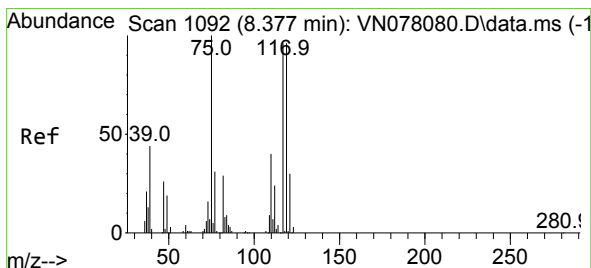
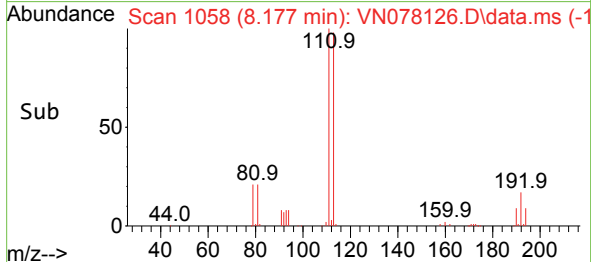
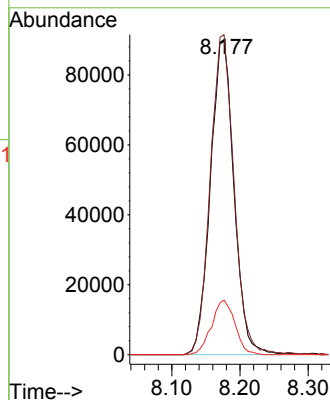
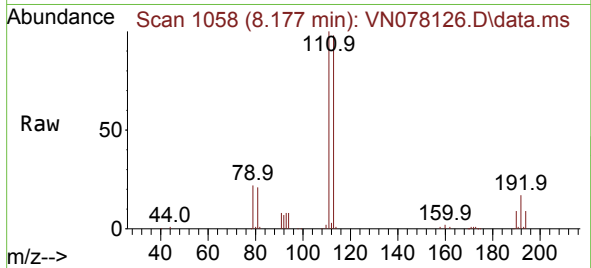




#35
Dibromofluoromethane
Concen: 50.623 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

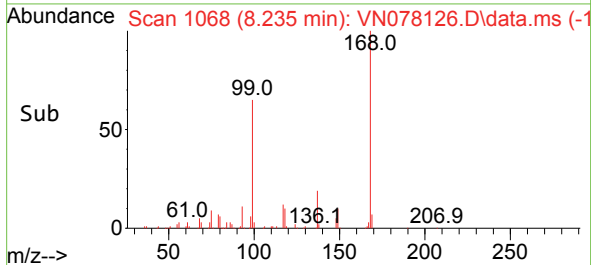
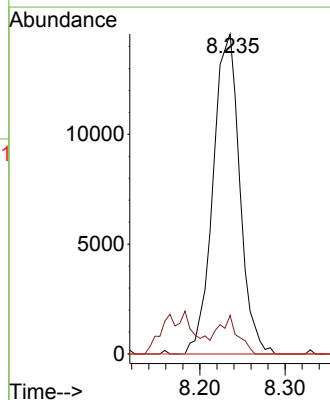
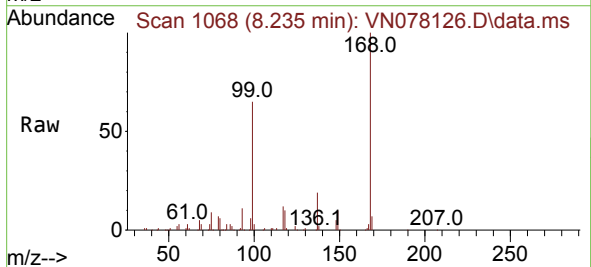
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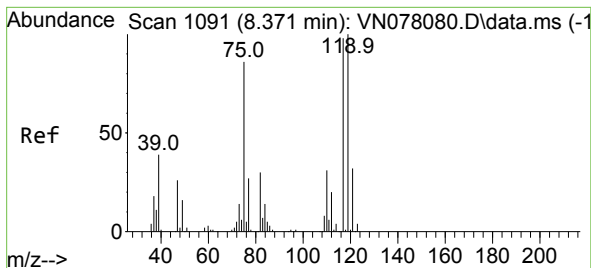
Tgt Ion:113 Resp: 215867
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.182 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

Tgt Ion: 75 Resp: 31695
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.387 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

Instrument :

MSVOA_N

ClientSampleId :

IBLK

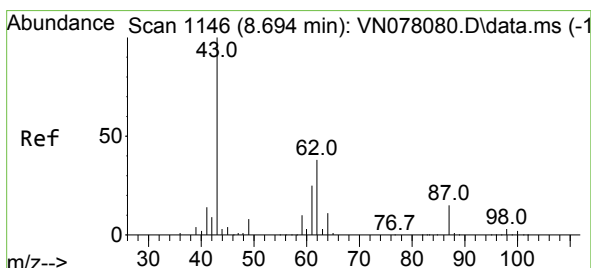
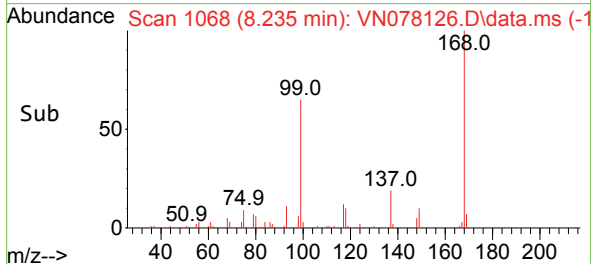
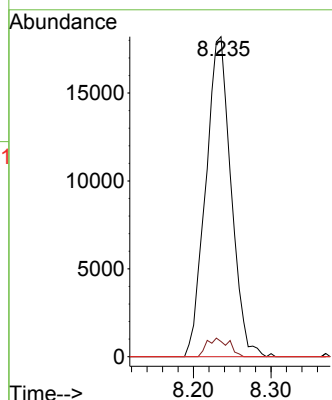
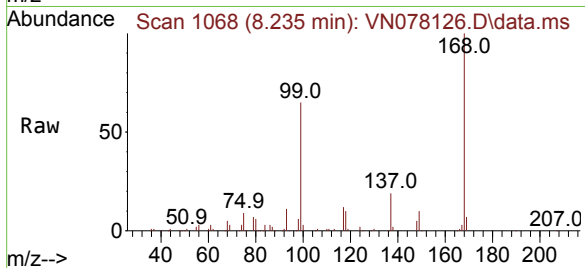
Tgt Ion:117 Resp: 41248

Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 3.436 ug/l

RT: 8.712 min Scan# 1149

Delta R.T. 0.018 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

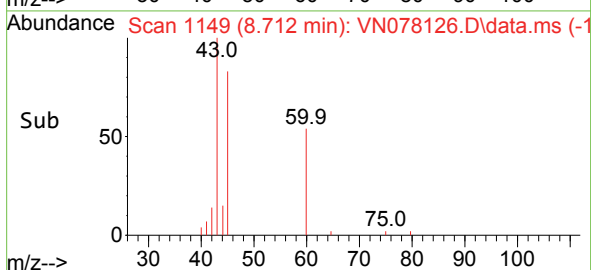
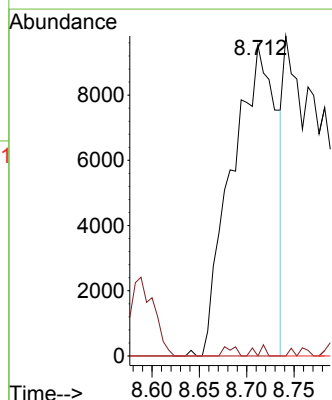
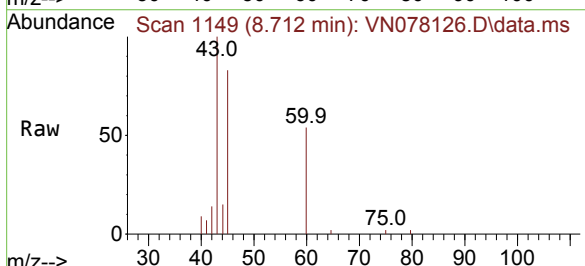
Tgt Ion: 43 Resp: 31400

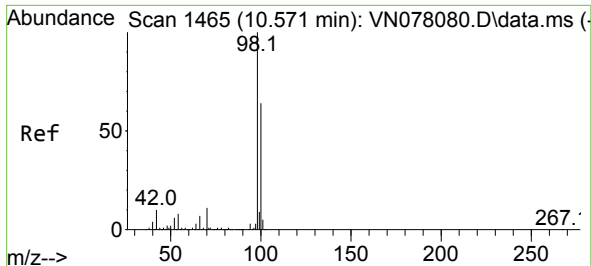
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

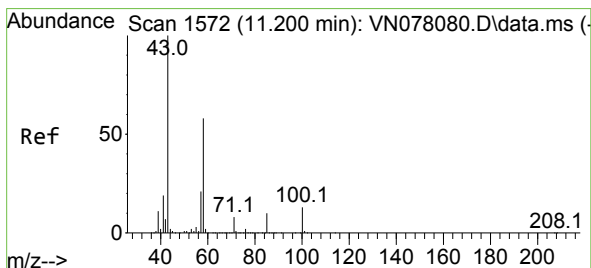
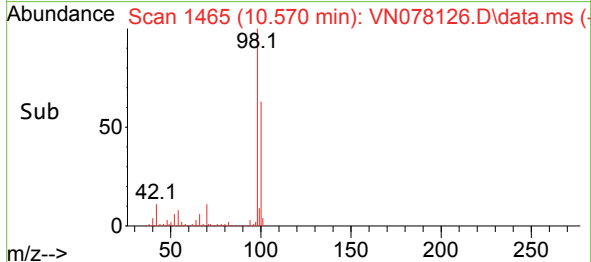
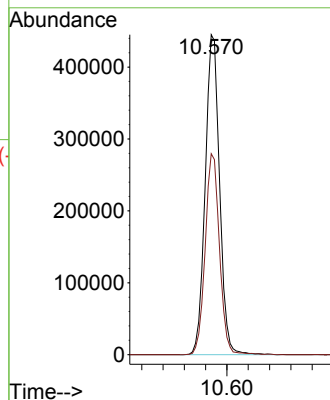
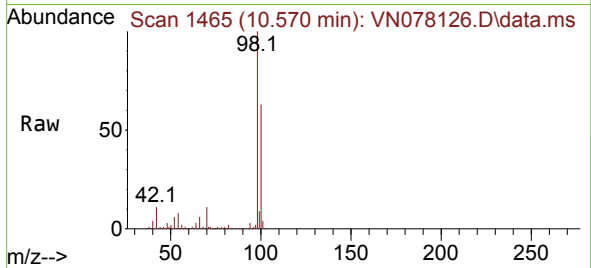




#50
Toluene-d8
Concen: 50.703 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

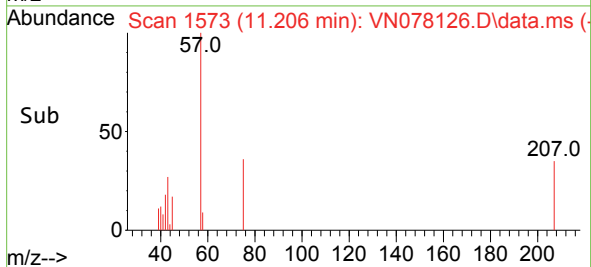
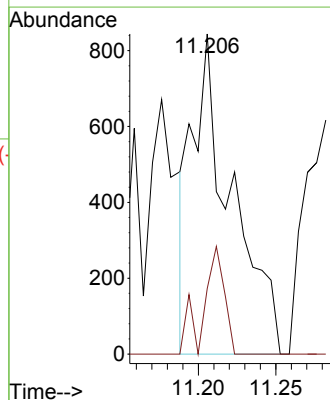
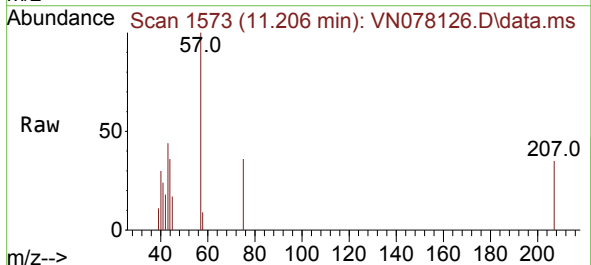
Instrument :
MSVOA_N
ClientSampleId :
IBLK

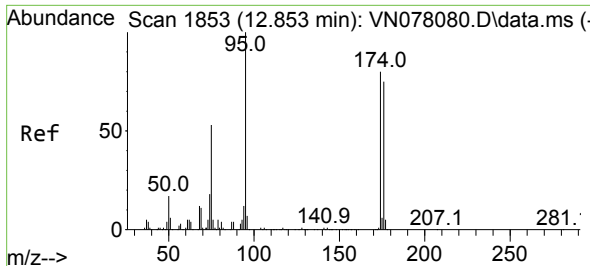
Tgt Ion: 98 Resp: 833500
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0



#59
2-Hexanone
Concen: 0.446 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
58 18.1 31.7 95.1#

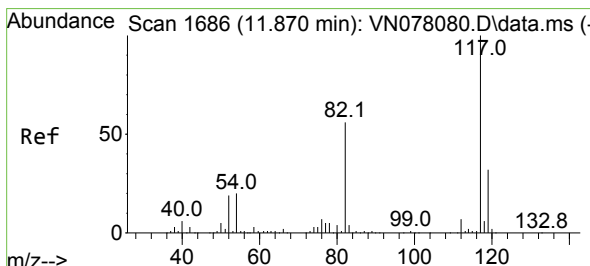
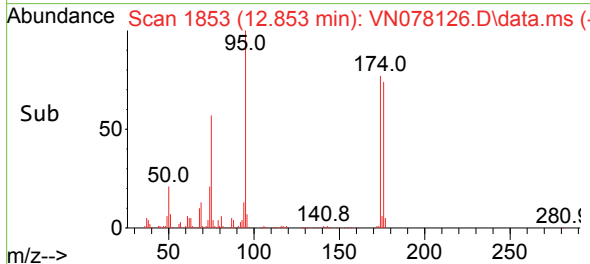
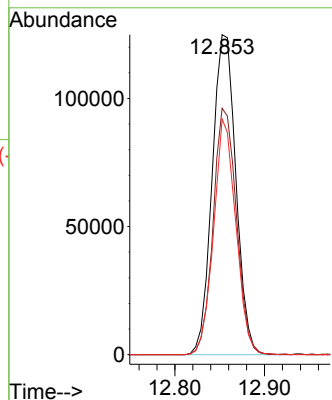
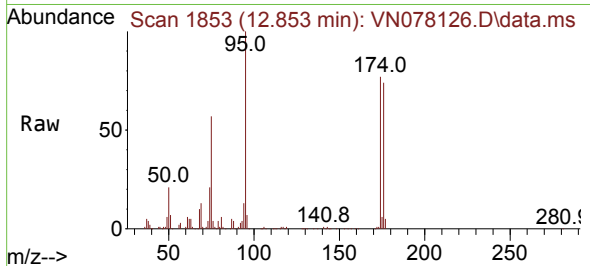




#62
4-Bromofluorobenzene
Concen: 44.880 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

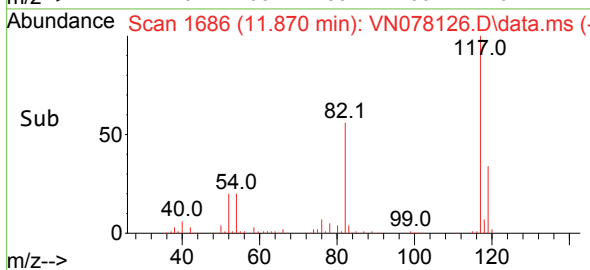
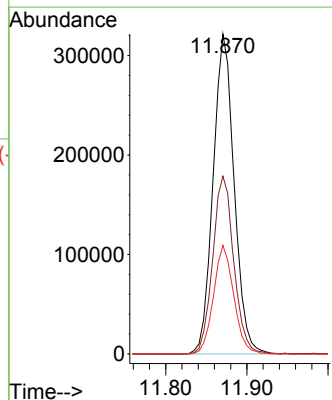
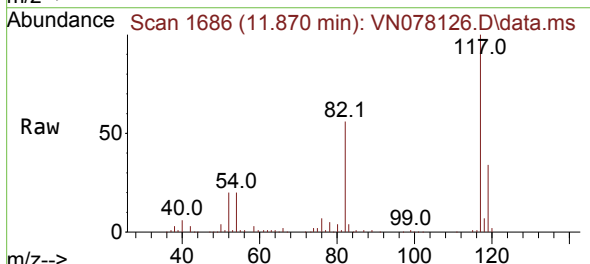
Instrument :
MSVOA_N
ClientSampleId :
IBLK

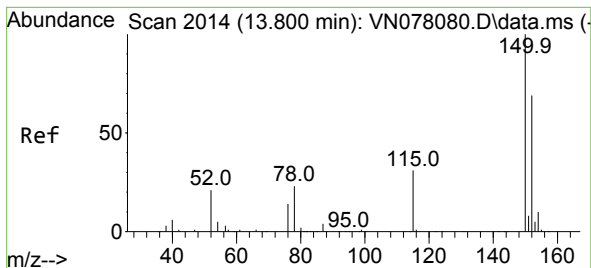
Tgt Ion: 95 Resp: 229361
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 69.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078126.D
Acq: 08 Jun 2023 13:48

Tgt Ion: 117 Resp: 578710
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 33.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

Instrument :

MSVOA_N

ClientSampleId :

IBLK

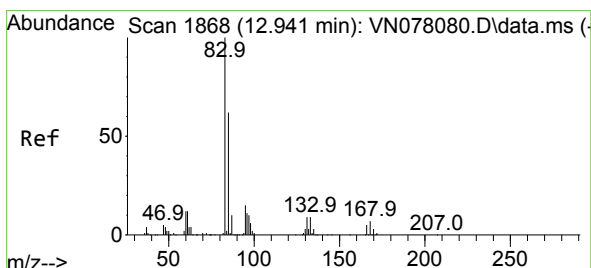
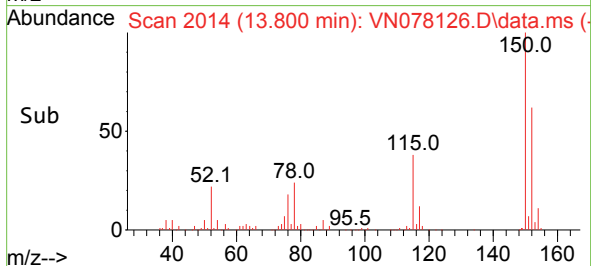
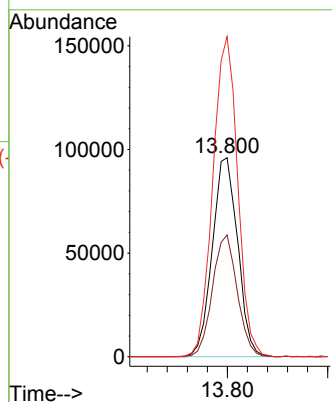
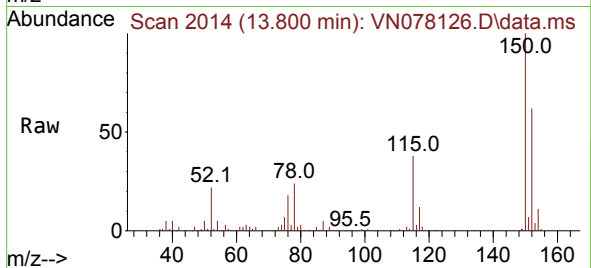
Tgt Ion:152 Resp: 168406

Ion Ratio Lower Upper

152 100

115 59.8 32.3 96.8

150 157.2 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

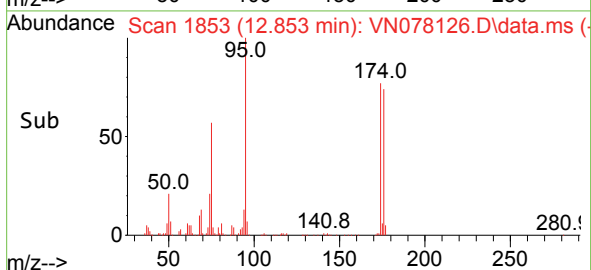
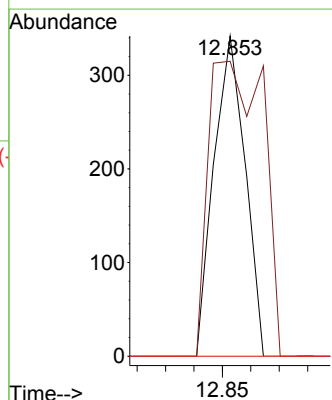
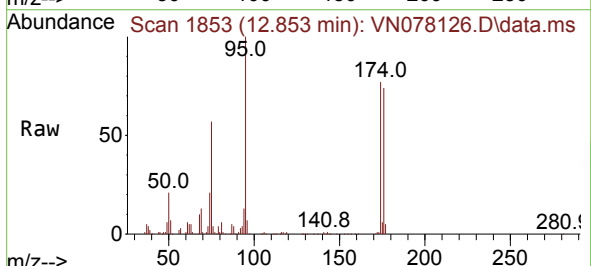
Tgt Ion: 83 Resp: 261

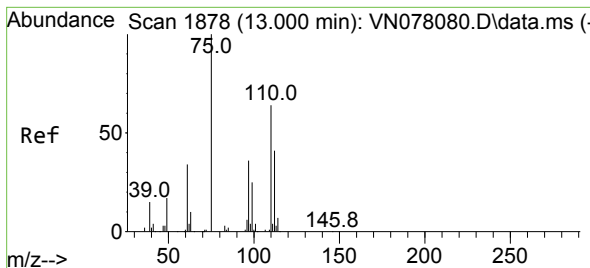
Ion Ratio Lower Upper

83 100

131 161.3 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 30.593 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

Instrument :

MSVOA_N

ClientSampleId :

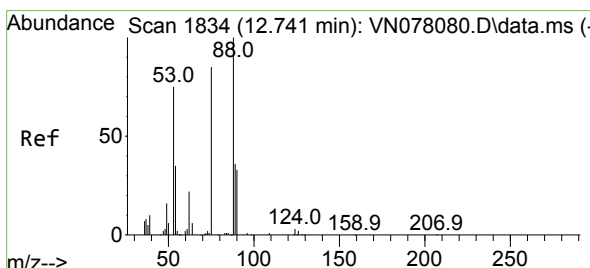
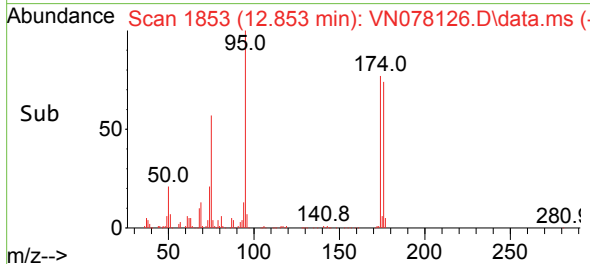
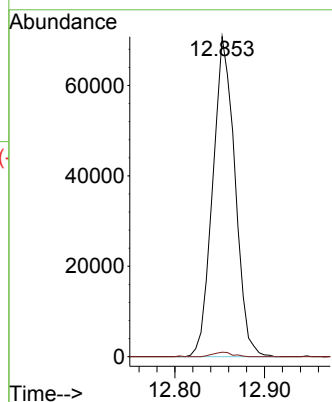
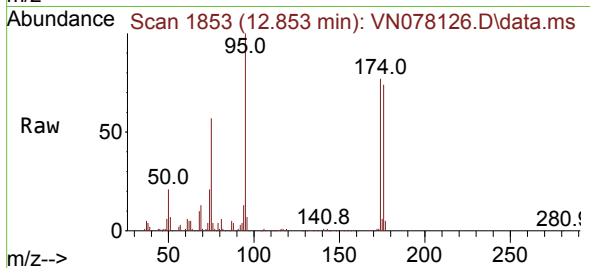
IBLK

Tgt Ion: 75 Resp: 121797

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.992 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078126.D

Acq: 08 Jun 2023 13:48

Tgt Ion: 75 Resp: 121797

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.2 38.8 58.2#

