

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061323\
 Data File : VN078186.D
 Acq On : 13 Jun 2023 15:12
 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 14 02:20:16 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)

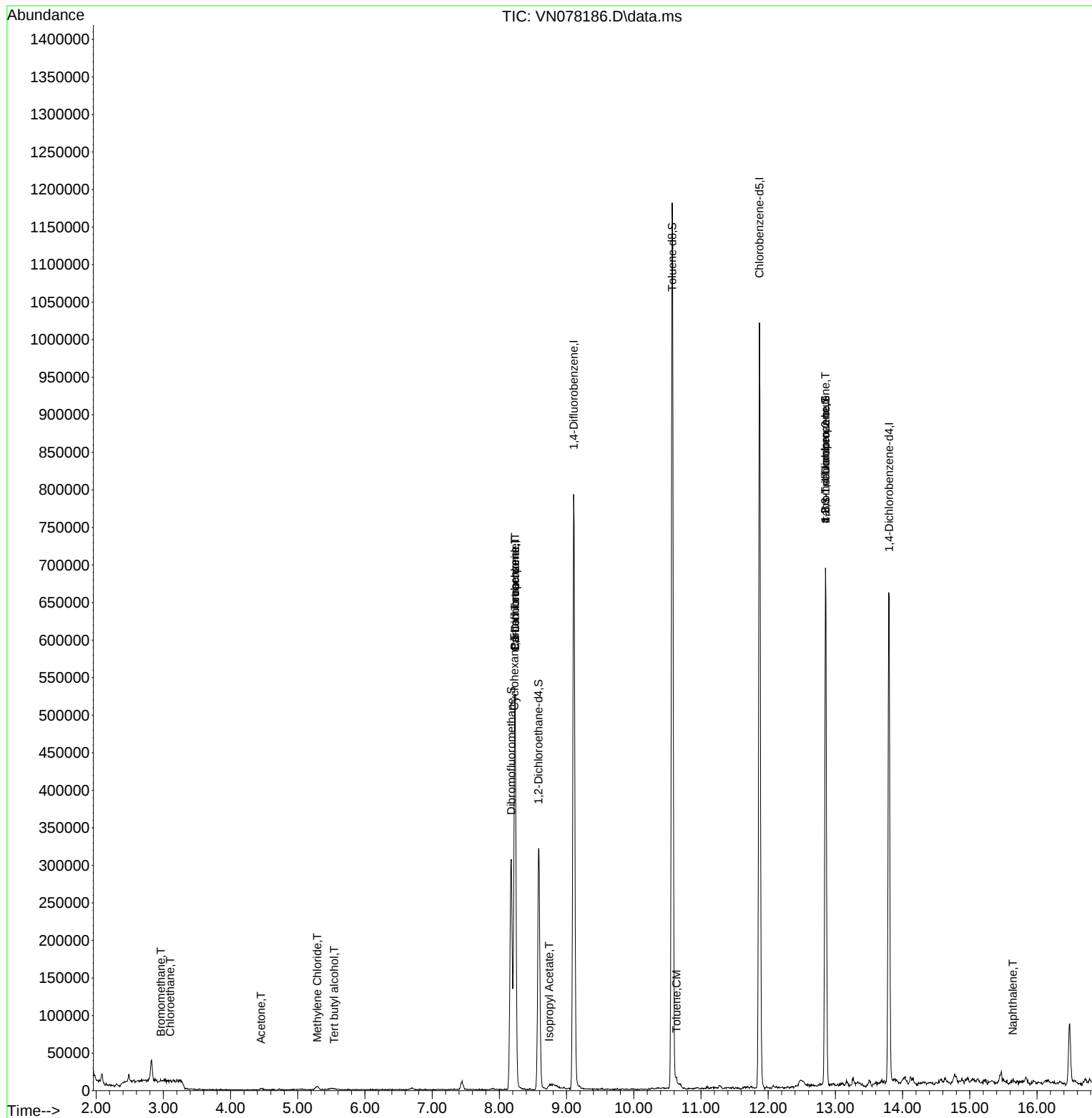
Internal Standards						
1) Pentafluorobenzene	8.229	168	382265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	706002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	602132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	180800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	264249	51.846	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.700%	
35) Dibromofluoromethane	8.177	113	221618	49.646	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.300%	
50) Toluene-d8	10.570	98	861488	50.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	12.853	95	248606	46.470	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1269	Below Cal	#	67
5) Bromomethane	2.965	94	964	0.225	ug/l #	64
6) Chloroethane	3.100	64	1236	0.320	ug/l #	43
11) Tert butyl alcohol	5.541	59	1432	2.035	ug/l #	72
16) Acetone	4.453	43	2189	1.492	ug/l #	74
20) Methylene Chloride	5.289	84	3521	0.726	ug/l #	70
31) Cyclohexane	8.224	56	8809	1.347	ug/l #	67
36) 1,1-Dichloropropene	8.235	75	33485	5.230	ug/l #	46
38) Carbon Tetrachloride	8.235	117	41828	6.187	ug/l #	16
43) Isopropyl Acetate	8.741	43	4162	0.435	ug/l #	49
52) Toluene	10.635	92	3069	0.254	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.935	83	176	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	133565	31.249	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	133565	96.008	ug/l #	15
95) Naphthalene	15.641	128	2543	0.323	ug/l #	68

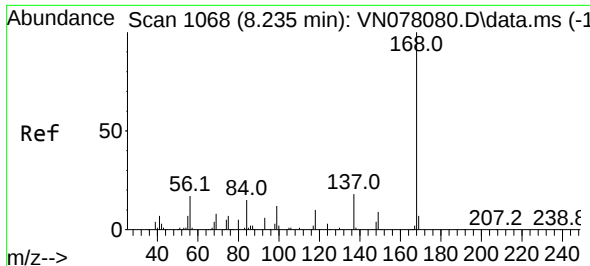
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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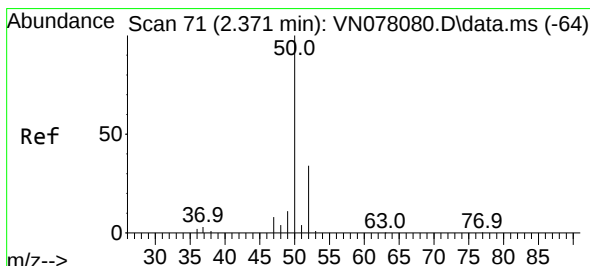
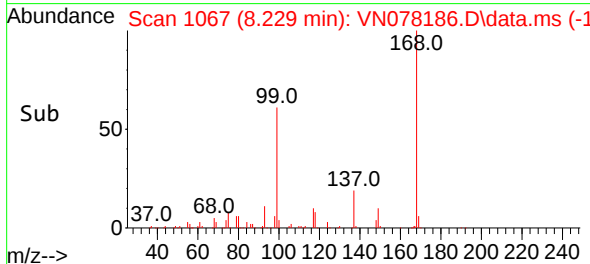
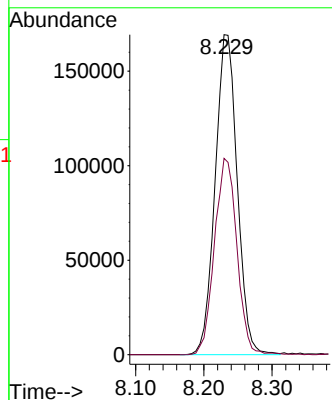
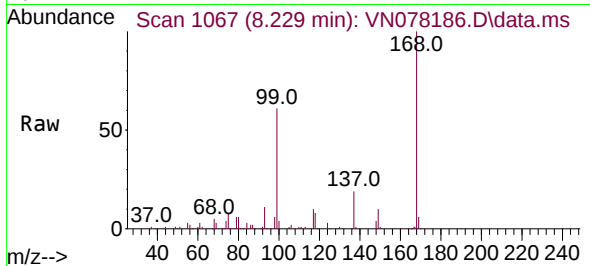




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

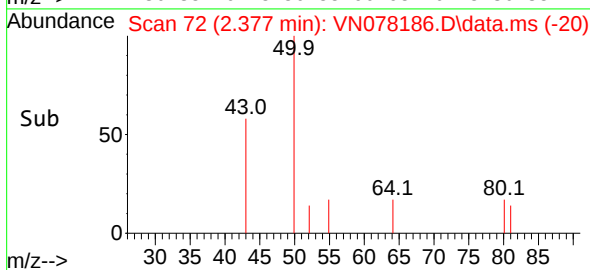
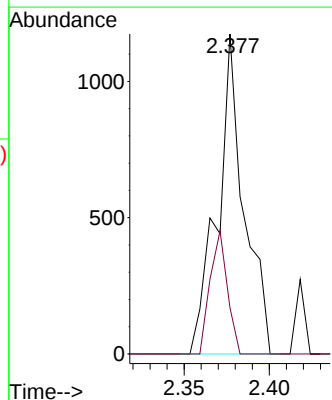
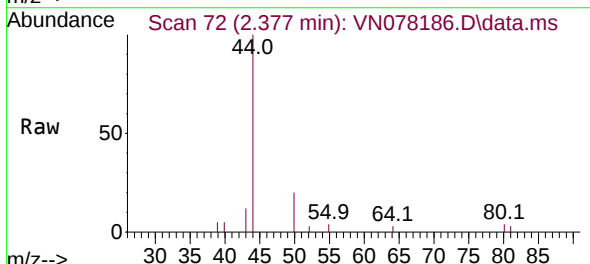
Instrument :
MSVOA_N
ClientSampleId :
IBLK

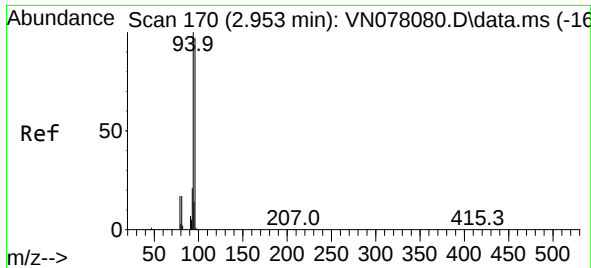
Tgt Ion:168 Resp: 382265
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Tgt Ion: 50 Resp: 1269
Ion Ratio Lower Upper
50 100
52 14.5 26.5 39.7#

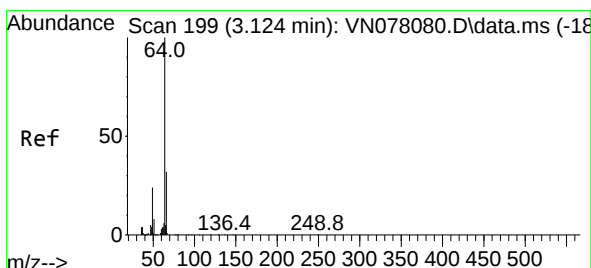
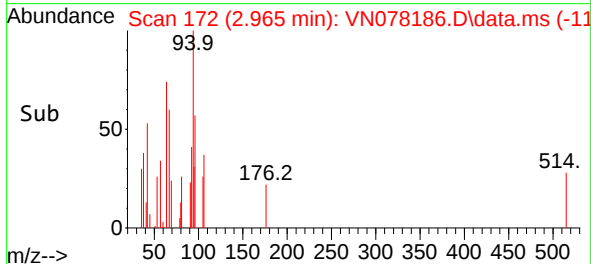
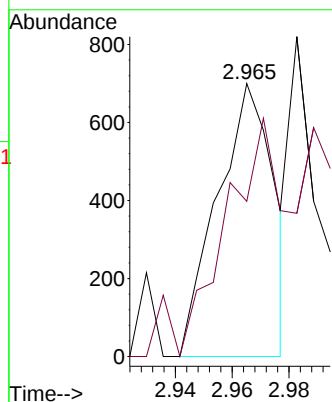
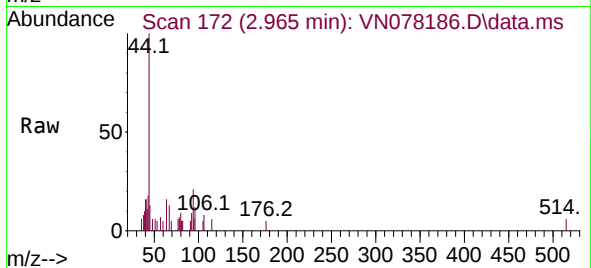




#5
Bromomethane
Concen: 0.225 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

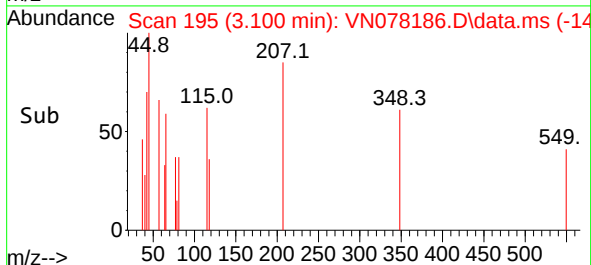
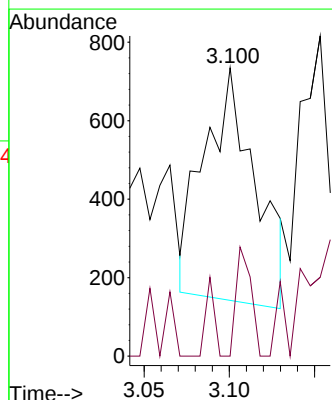
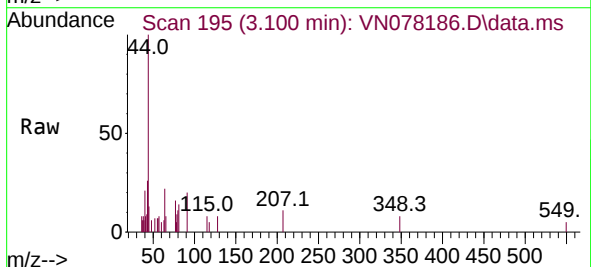
Instrument :
MSVOA_N
ClientSampleId :
IBLK

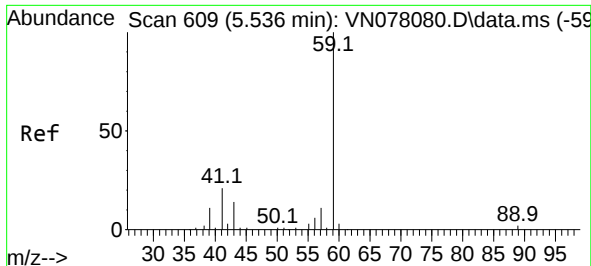
Tgt Ion: 94 Resp: 964
Ion Ratio Lower Upper
94 100
96 56.9 73.1 109.7#



#6
Chloroethane
Concen: 0.320 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.024 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Tgt Ion: 64 Resp: 1236
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

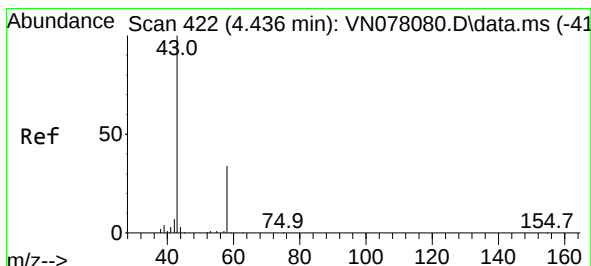
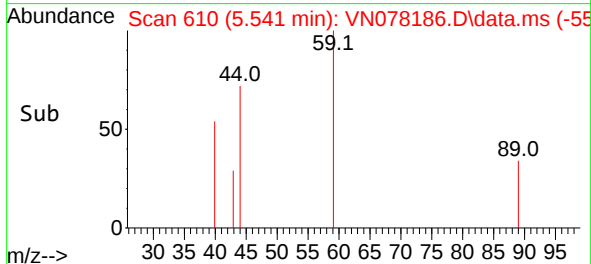
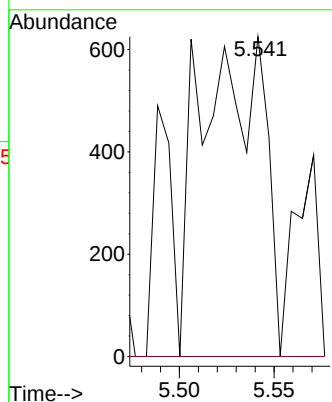
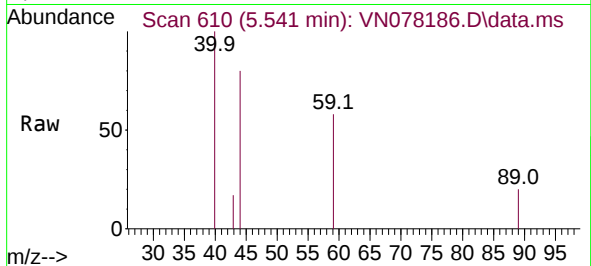




#11
Tert butyl alcohol
Concen: 2.035 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

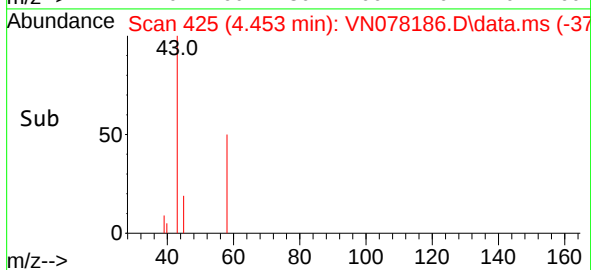
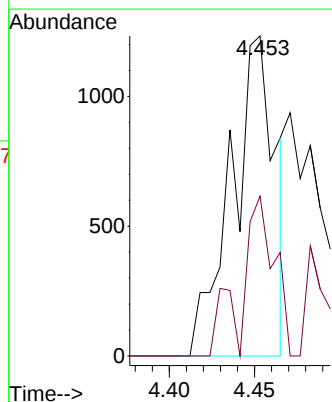
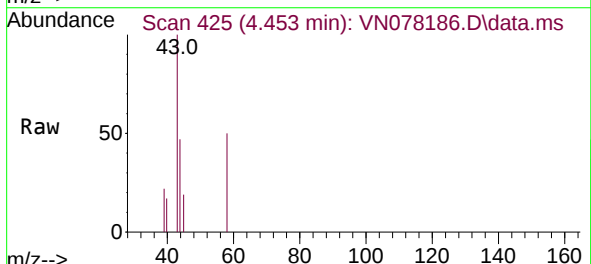
Instrument :
MSVOA_N
ClientSampleId :
IBLK

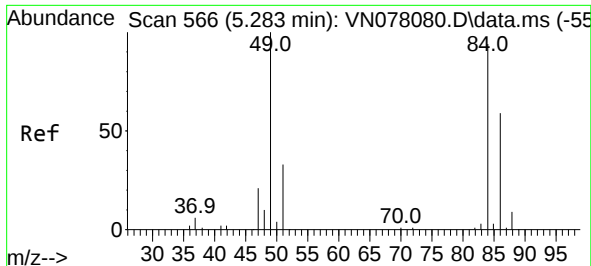
Tgt Ion: 59 Resp: 1432
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 1.492 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
58 50.0 28.0 42.0#

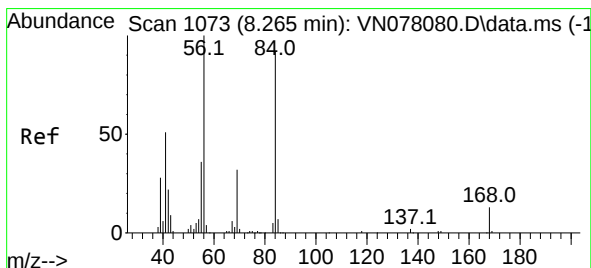
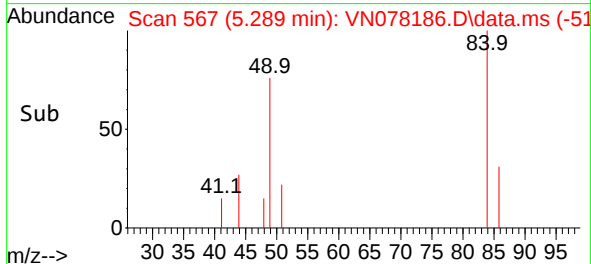
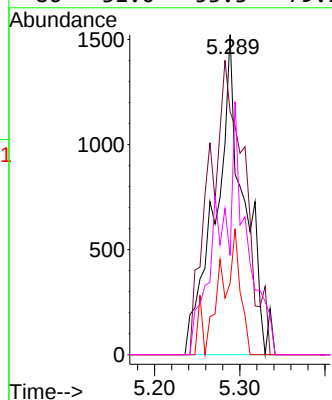
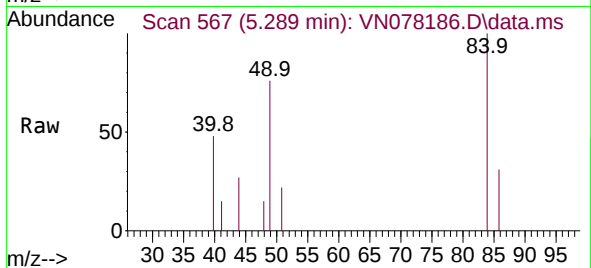




#20
Methylene Chloride
Concen: 0.726 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

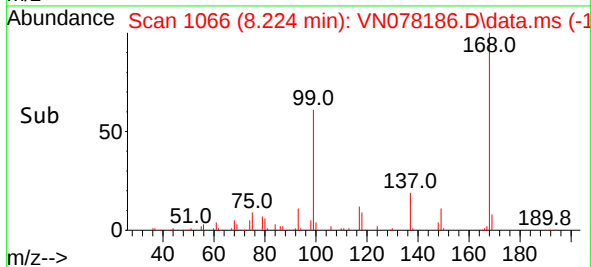
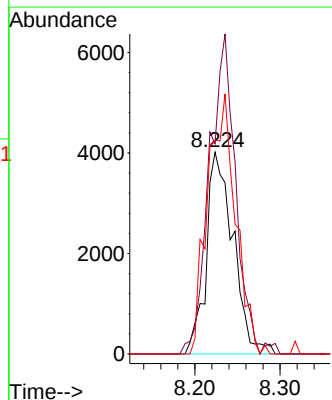
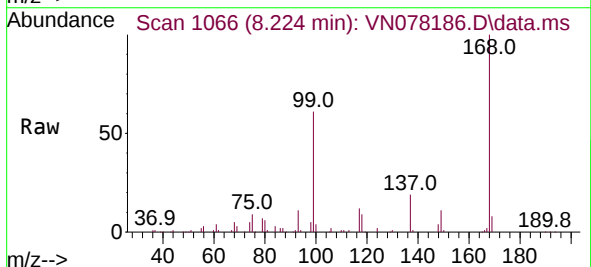
Instrument :
MSVOA_N
ClientSampleId :
IBLK

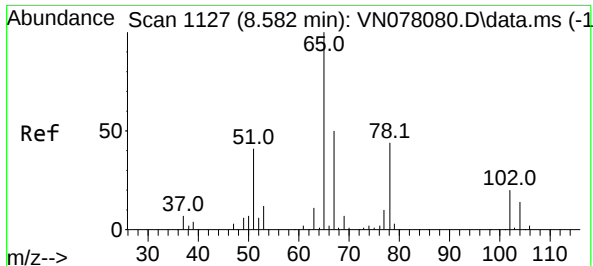
Tgt Ion: 84	Resp: 3521
Ion Ratio	Lower Upper
84 100	
49 75.9	79.7 119.5#
51 22.4	25.2 37.8#
86 31.0	53.3 79.9#



#31
Cyclohexane
Concen: 1.347 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Tgt Ion: 56	Resp: 8809		
Ion Ratio	Lower	Upper	
56	100		
69	104.2	26.8	40.2#
84	105.9	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 51.846 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078186.D

Acq: 13 Jun 2023 15:12

Instrument :

MSVOA_N

ClientSampleId :

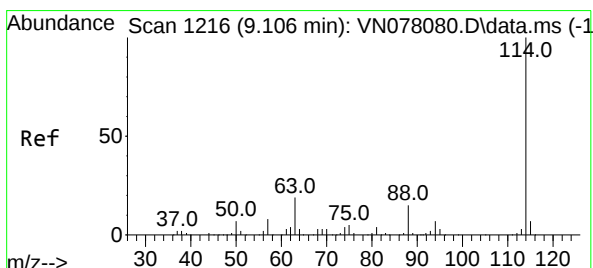
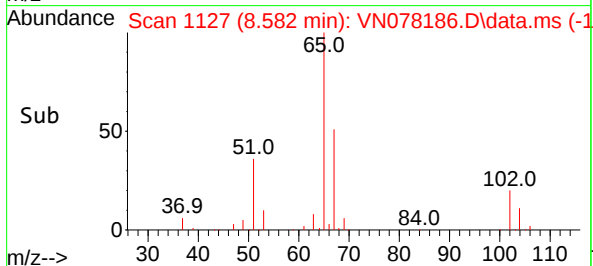
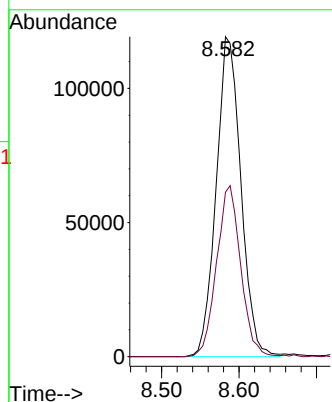
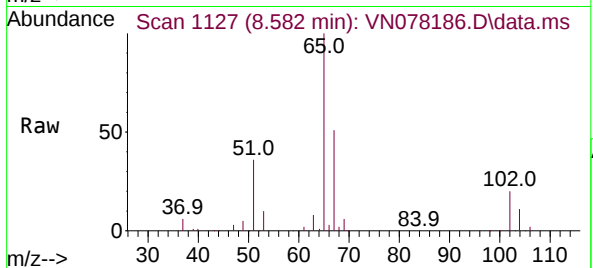
IBLK

Tgt Ion: 65 Resp: 264249

Ion Ratio Lower Upper

65 100

67 52.2 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: VN078186.D

Acq: 13 Jun 2023 15:12

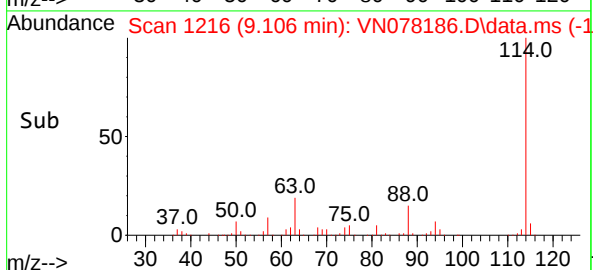
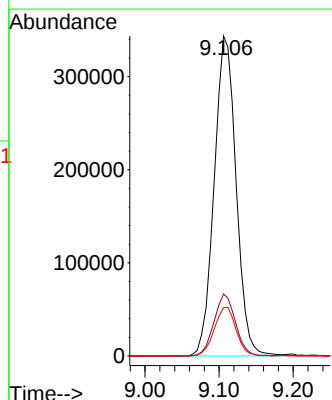
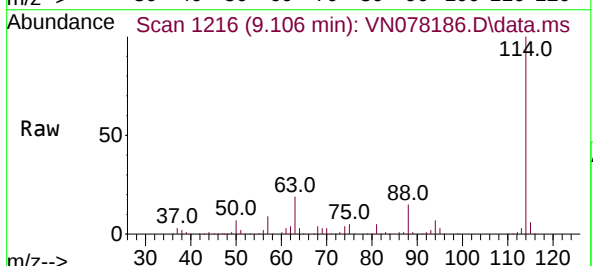
Tgt Ion: 114 Resp: 706002

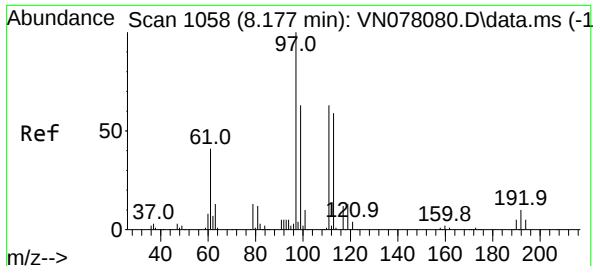
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.646 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078186.D

Acq: 13 Jun 2023 15:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

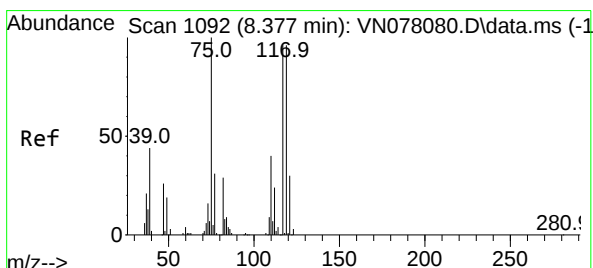
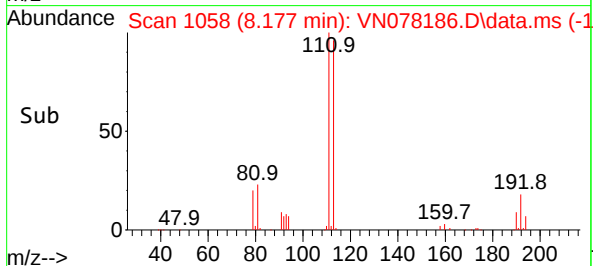
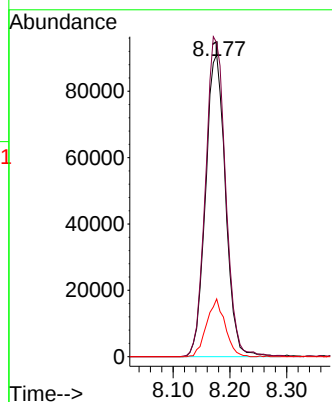
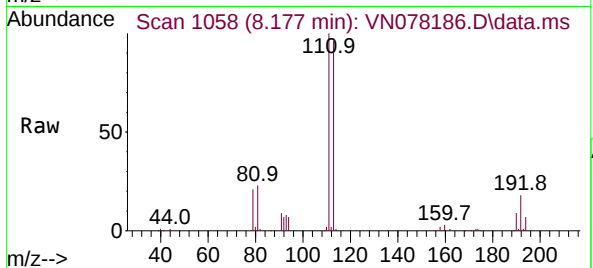
Tgt Ion:113 Resp: 221618

Ion Ratio Lower Upper

113 100

111 107.0 82.6 123.8

192 17.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.230 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078186.D

Acq: 13 Jun 2023 15:12

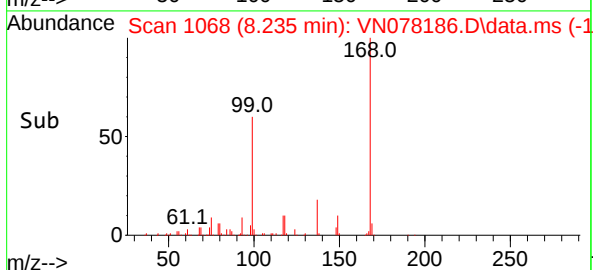
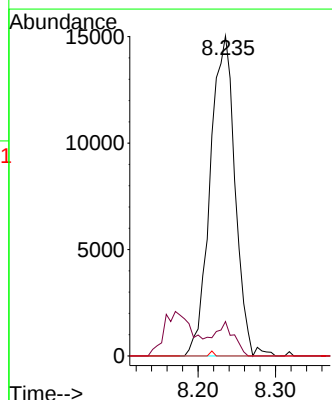
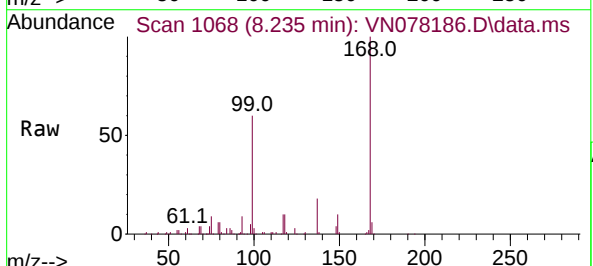
Tgt Ion: 75 Resp: 33485

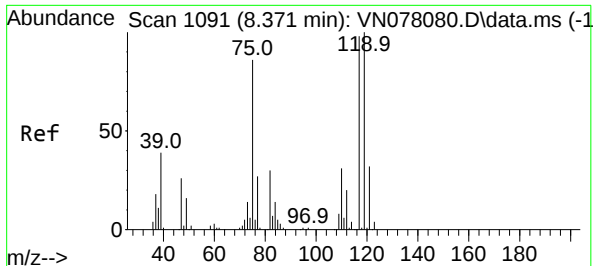
Ion Ratio Lower Upper

75 100

110 7.1 19.1 57.3#

77 0.2 25.0 37.4#

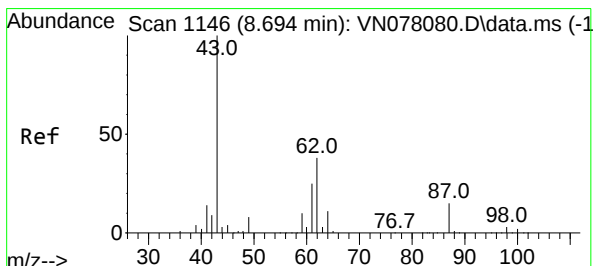
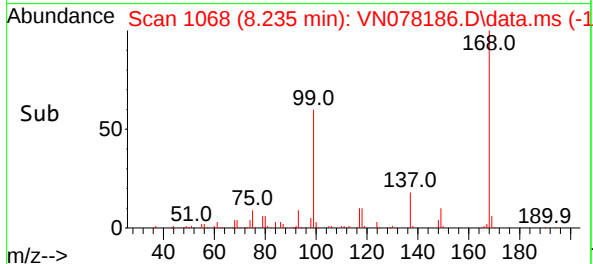
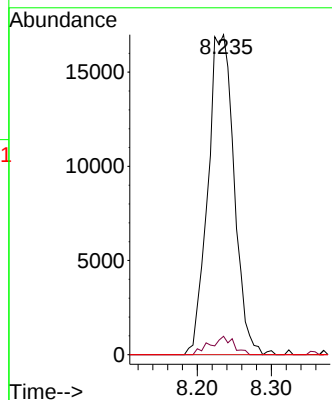
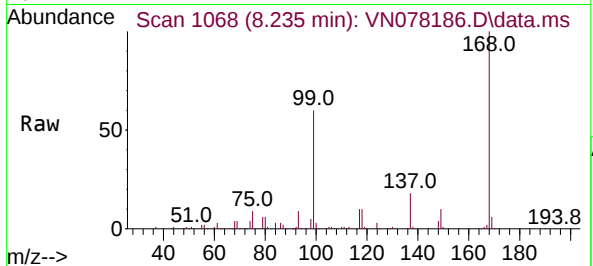




#38
Carbon Tetrachloride
Concen: 6.187 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

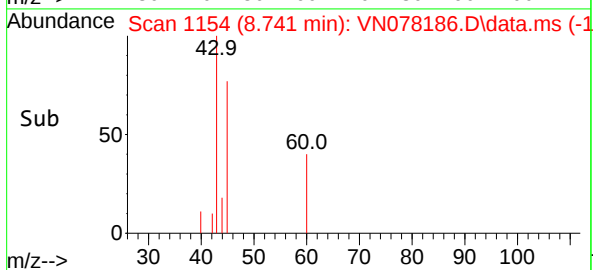
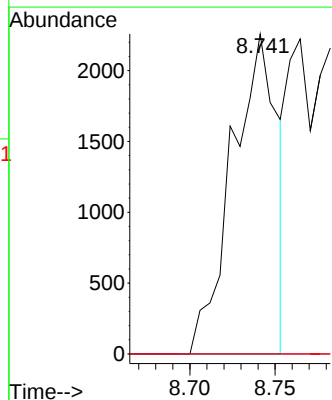
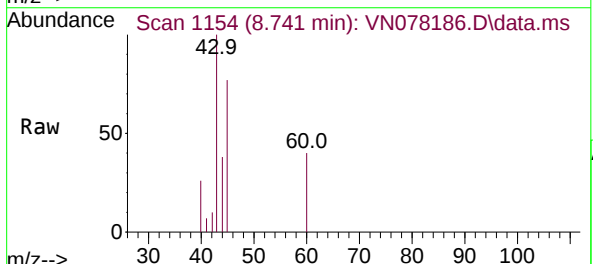
Instrument :
MSVOA_N
ClientSampleId :
IBLK

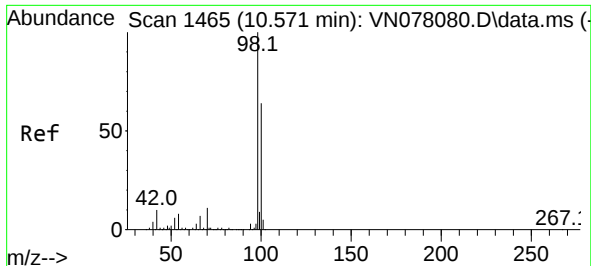
Tgt Ion:117 Resp: 41828
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.435 ug/l
RT: 8.741 min Scan# 1154
Delta R.T. 0.047 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Tgt Ion: 43 Resp: 4162
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

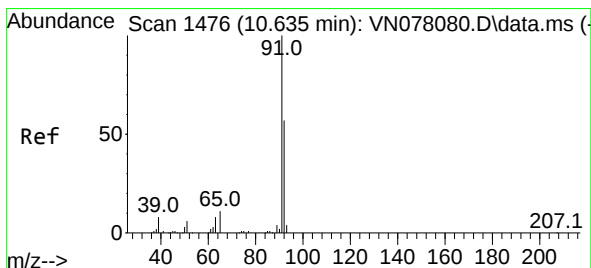
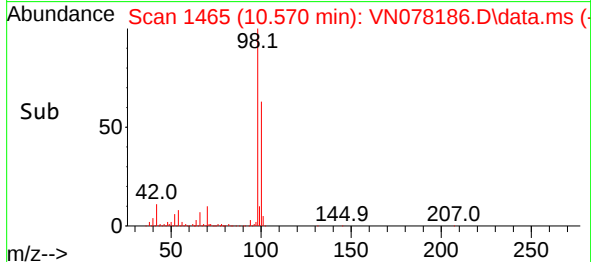
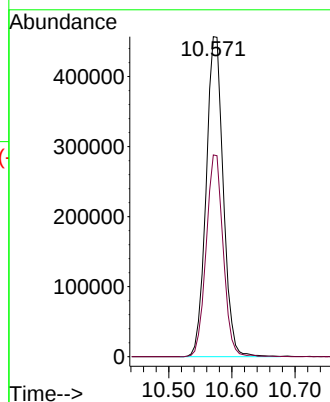
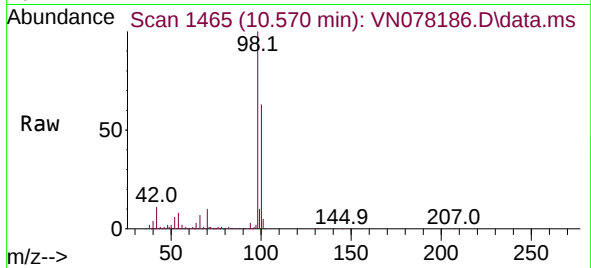




#50
Toluene-d8
Concen: 50.060 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

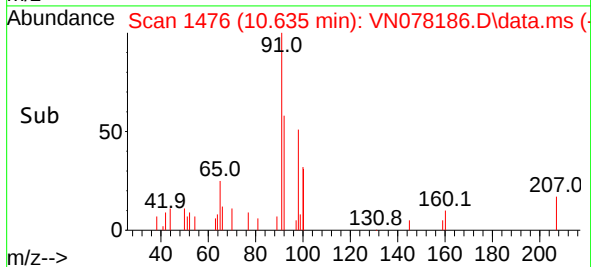
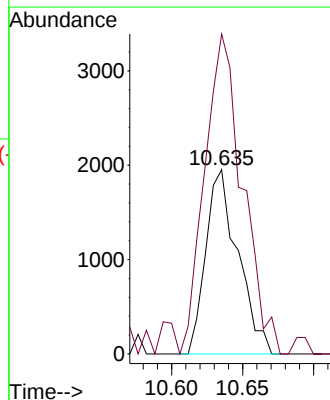
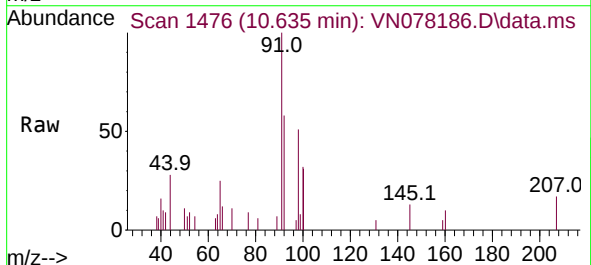
Instrument :
MSVOA_N
ClientSampleId :
IBLK

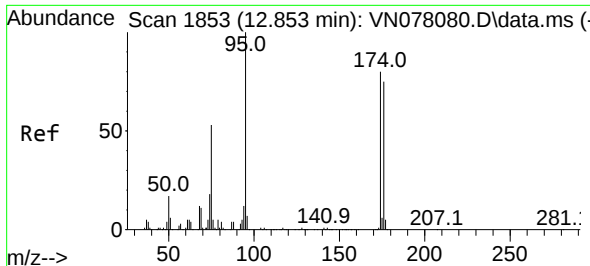
Tgt Ion: 98 Resp: 861488
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0



#52
Toluene
Concen: 0.254 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Tgt Ion: 92 Resp: 3069
Ion Ratio Lower Upper
92 100
91 216.3 137.4 206.0#

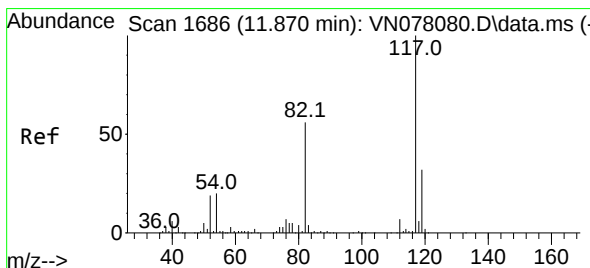
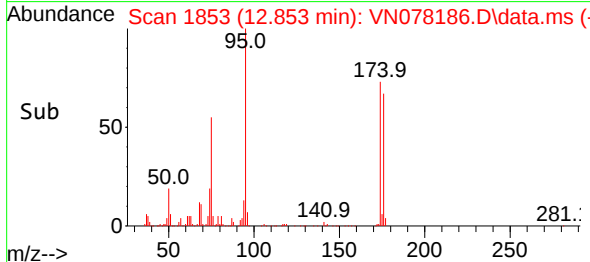
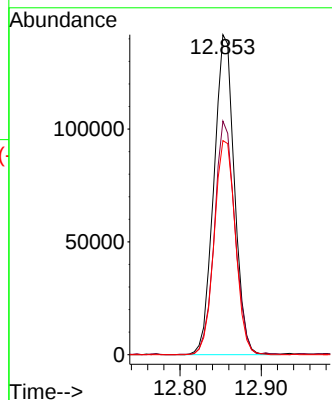
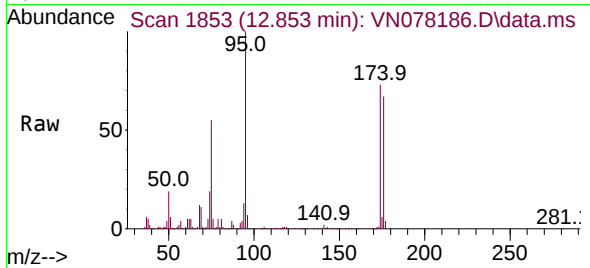




#62
4-Bromofluorobenzene
Concen: 46.470 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

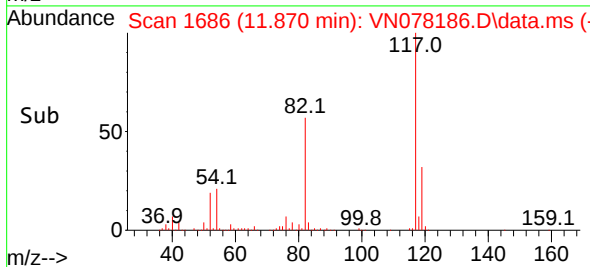
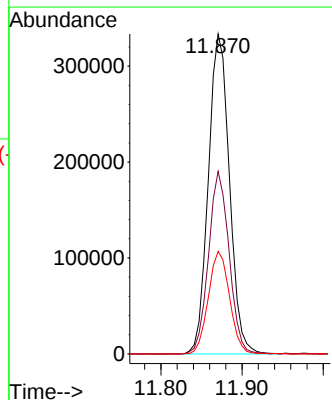
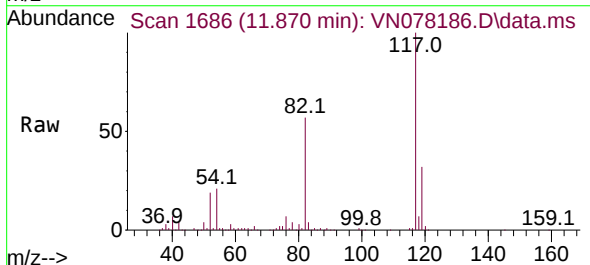
Instrument :
MSVOA_N
ClientSampleId :
IBLK

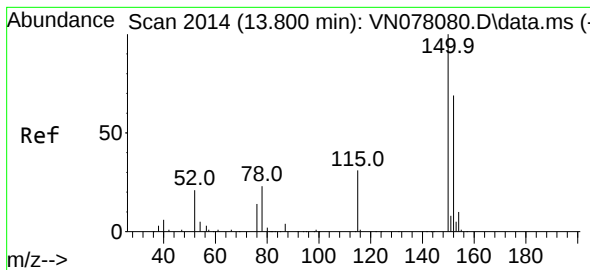
Tgt Ion: 95 Resp: 248606
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 69.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Tgt Ion: 117 Resp: 602132
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 32.0 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: VN078186.D

Acq: 13 Jun 2023 15:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

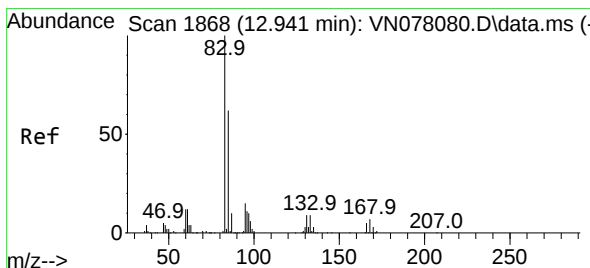
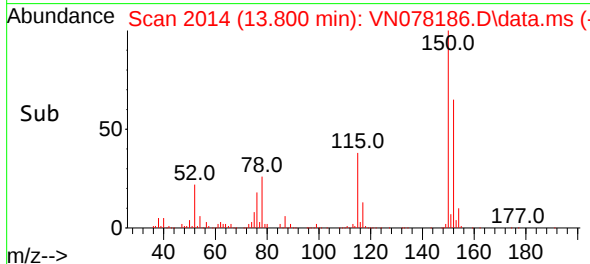
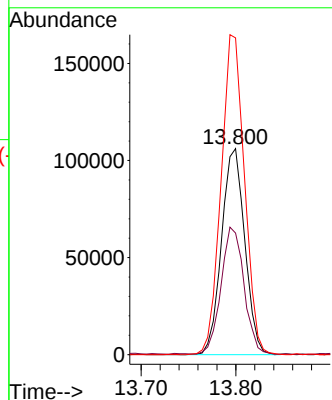
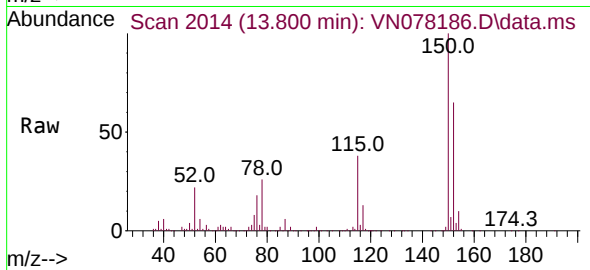
Tgt Ion:152 Resp: 180800

Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 156.2 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN078186.D

Acq: 13 Jun 2023 15:12

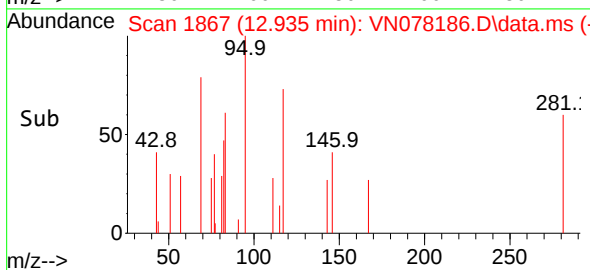
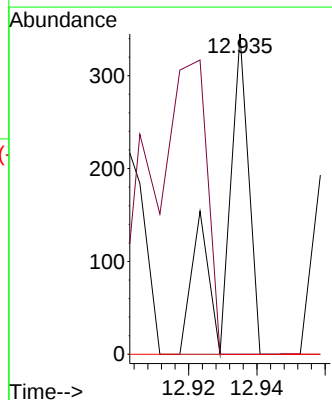
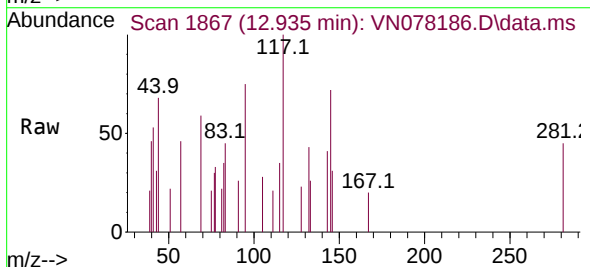
Tgt Ion: 83 Resp: 176

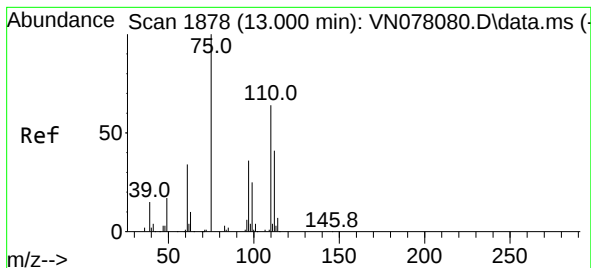
Ion Ratio Lower Upper

83 100

131 202.8 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 31.249 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078186.D

Acq: 13 Jun 2023 15:12

Instrument :

MSVOA_N

ClientSampleId :

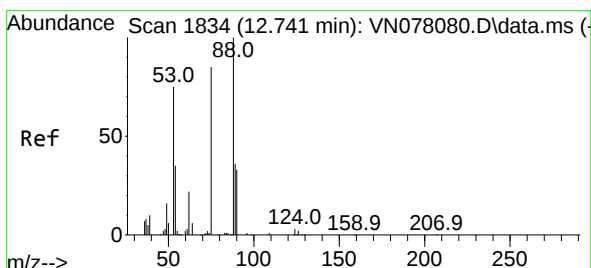
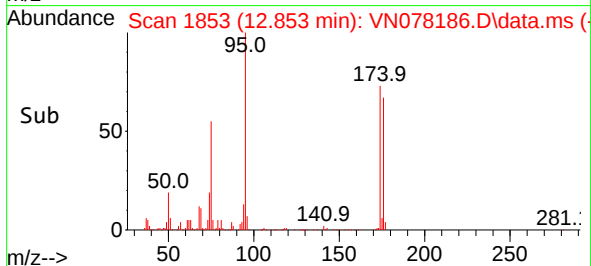
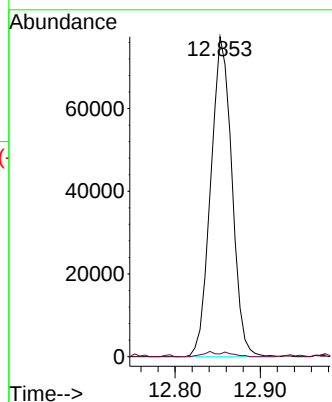
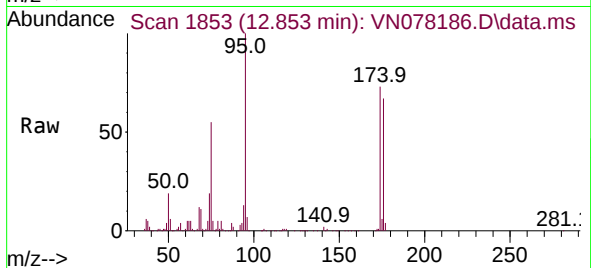
IBLK

Tgt Ion: 75 Resp: 133565

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.008 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078186.D

Acq: 13 Jun 2023 15:12

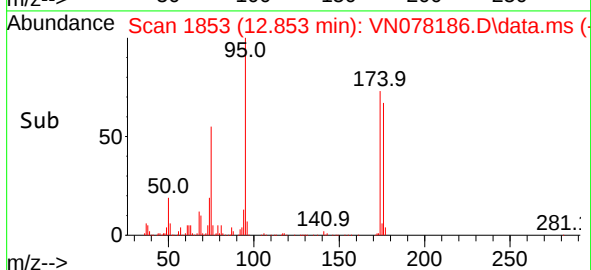
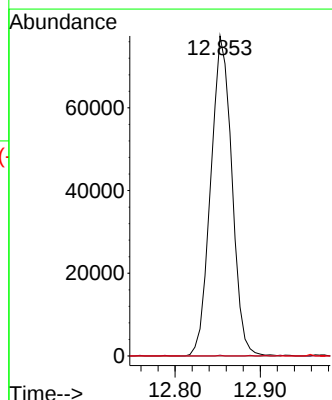
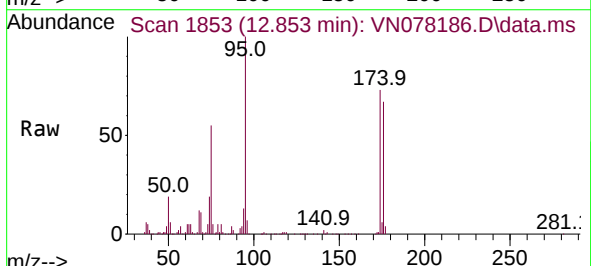
Tgt Ion: 75 Resp: 133565

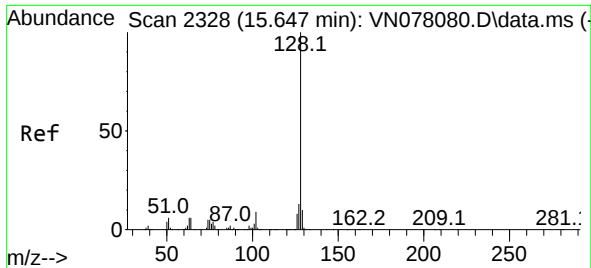
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.323 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078186.D
Acq: 13 Jun 2023 15:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 2543
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 22.8 8.7 13.1#

