

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040224\
 Data File : VN081653.D
 Acq On : 02 Apr 2024 15:01
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 03 01:33:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

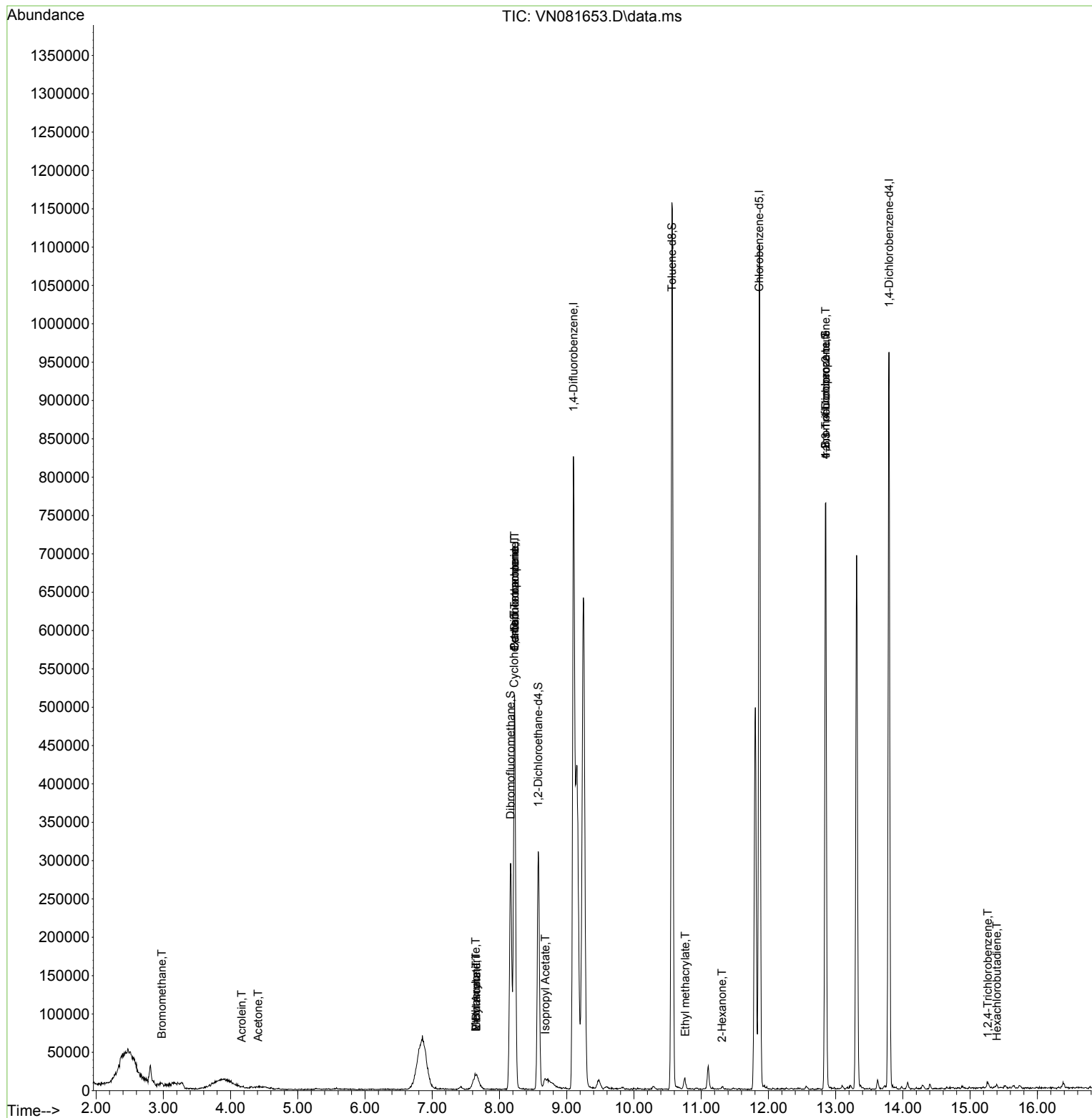
Internal Standards						
1) Pentafluorobenzene	8.224	168	355686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	654573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	644493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	256418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	253804	55.954	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.900%	
35) Dibromofluoromethane	8.165	113	211874	51.288	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	102.580%	
50) Toluene-d8	10.565	98	815250	54.593	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	109.180%	
62) 4-Bromofluorobenzene	12.847	95	263405	50.059	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	=	100.120%	
Target Compounds						
						Qvalue
5) Bromomethane	2.977	94	946	0.250	ug/l	97
13) Acrolein	4.165	56	251	0.354	ug/l	86
16) Acetone	4.412	43	507	0.346	ug/l #	44
25) 2-Butanone	7.653	43	45187	17.972	ug/l #	51
31) Cyclohexane	8.218	56	8430	1.142	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	31613	4.547	ug/l #	52
37) Ethyl Acetate	7.653	43	45187	7.591	ug/l #	76
38) Carbon Tetrachloride	8.224	117	39261	5.155	ug/l #	17
41) Methacrylonitrile	7.647	41	6321	2.008	ug/l #	22
43) Isopropyl Acetate	8.683	43	9974	1.011	ug/l #	57
56) Ethyl methacrylate	10.765	69	373	0.623	ug/l #	1
59) 2-Hexanone	11.312	43	2658	0.597	ug/l	97
76) 1,2,3-Trichloropropane	12.853	75	140584	22.920	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	140584	61.938	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.265	180	1273	0.231	ug/l	84
94) Hexachlorobutadiene	15.400	225	722	0.298	ug/l	94

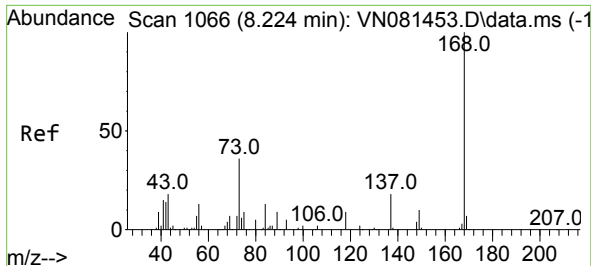
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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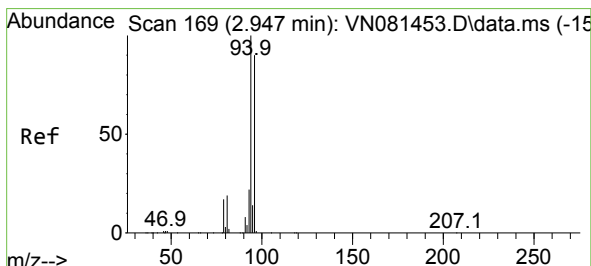
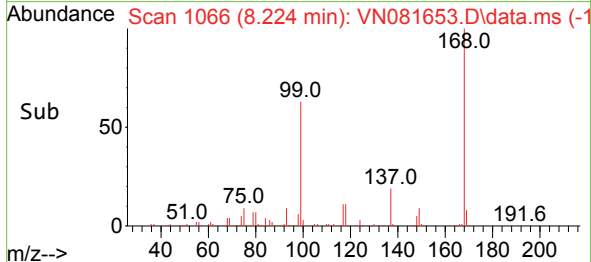
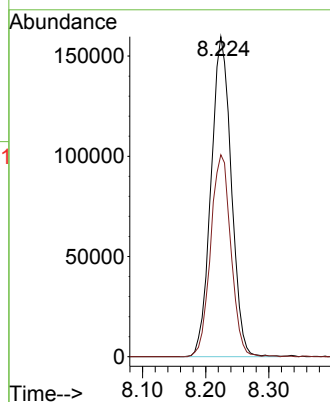
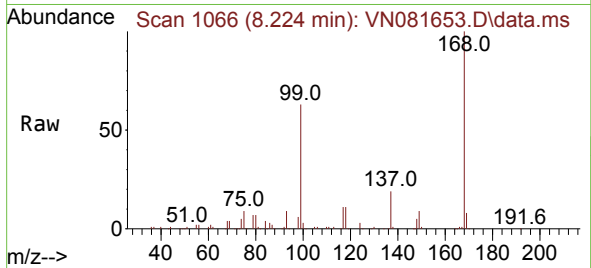




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

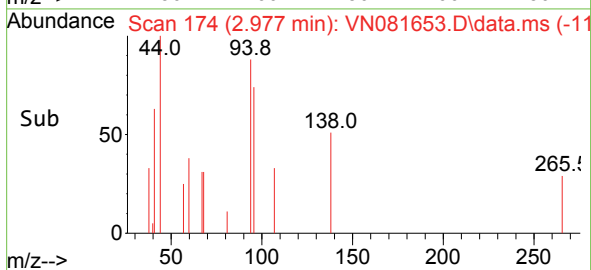
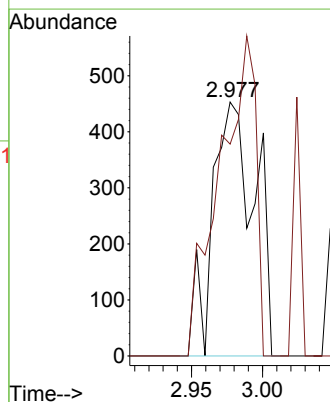
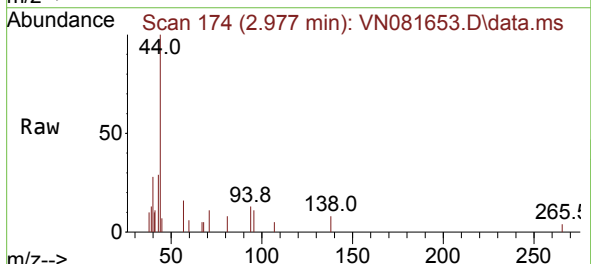
Instrument :
MSVOA_N
ClientSampleId :
IBLK

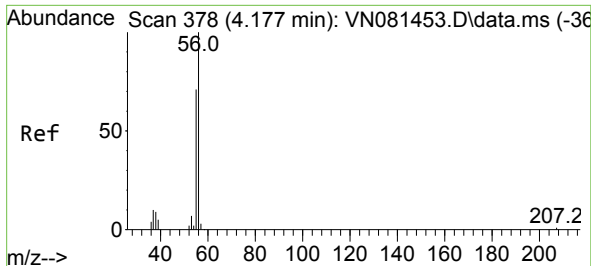
Tgt Ion:168 Resp: 355686
Ion Ratio Lower Upper
168 100
99 63.1 59.9 89.9



#5
Bromomethane
Concen: 0.250 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.030 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion: 94 Resp: 946
Ion Ratio Lower Upper
94 100
96 83.4 69.2 103.8

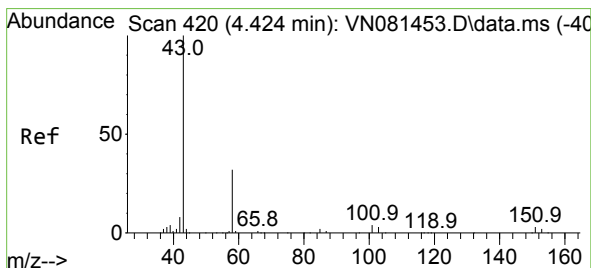
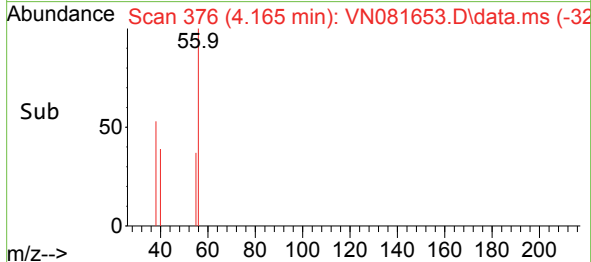
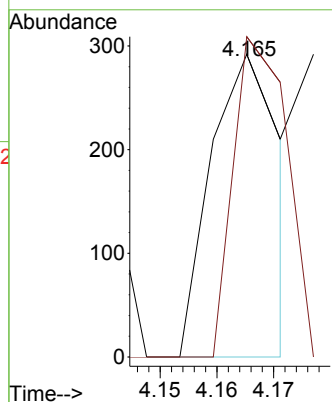
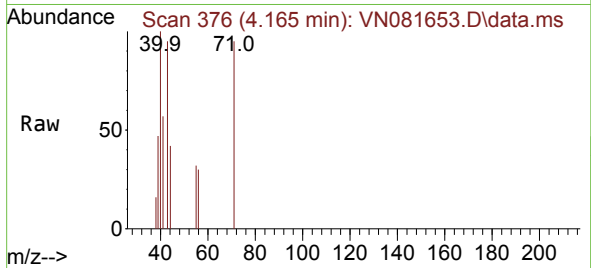




#13
Acrolein
Concen: 0.354 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

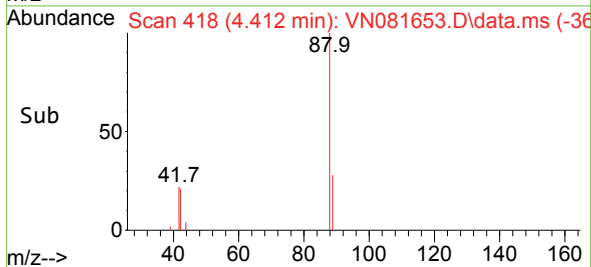
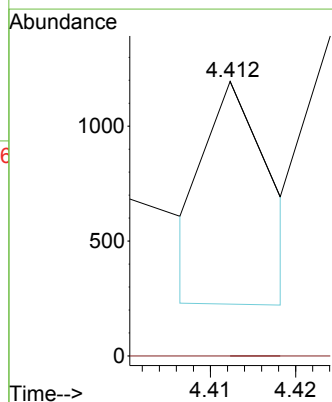
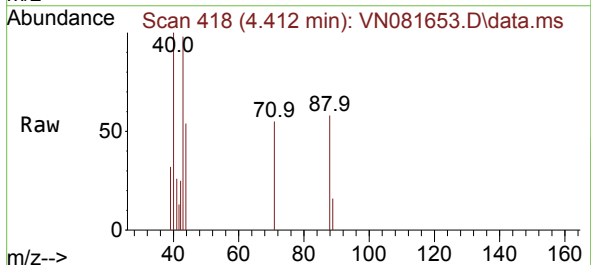
Instrument :
MSVOA_N
ClientSampleId :
IBLK

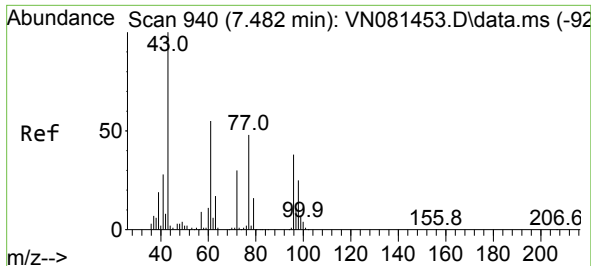
Tgt Ion: 56 Resp: 251
Ion Ratio Lower Upper
56 100
55 80.9 55.3 82.9



#16
Acetone
Concen: 0.346 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

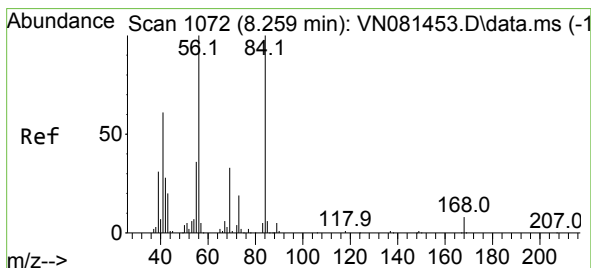
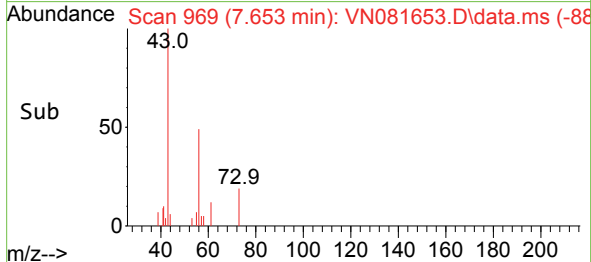
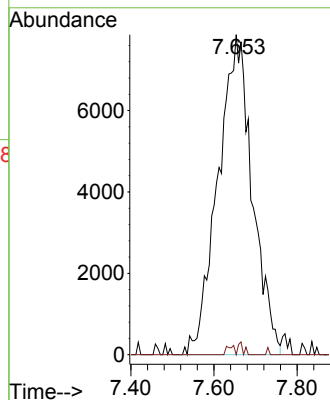
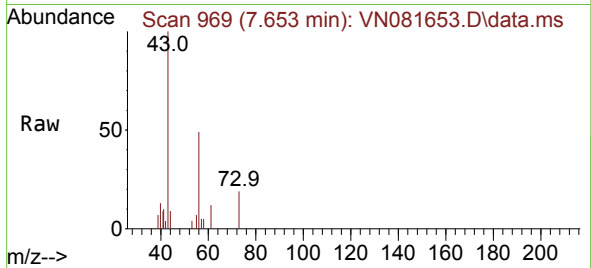




#25
2-Butanone
Concen: 17.972 ug/l
RT: 7.653 min Scan# 910
Delta R.T. 0.171 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

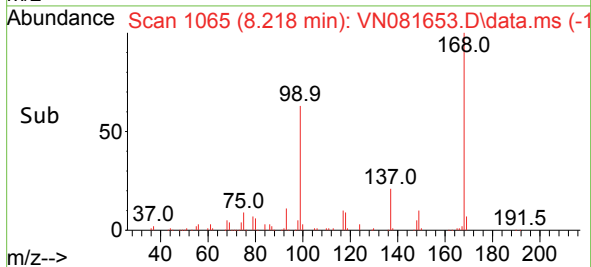
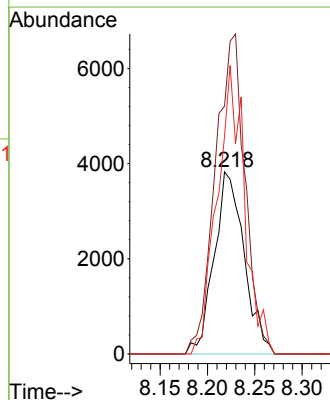
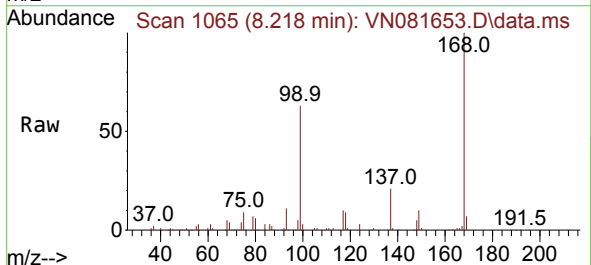
Instrument :
MSVOA_N
ClientSampleId :
IBLK

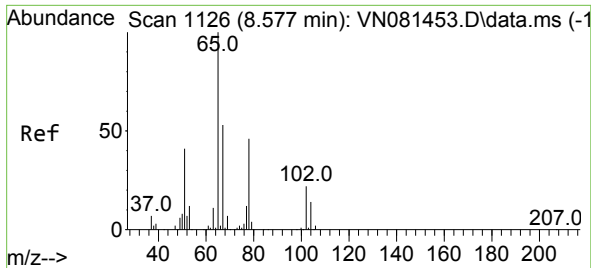
Tgt Ion: 43 Resp: 45187
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion: 56 Resp: 8430
Ion Ratio Lower Upper
56 100
69 136.1 20.1 30.1#
84 119.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 55.954 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081653.D

Acq: 02 Apr 2024 15:01

Instrument :

MSVOA_N

ClientSampleId :

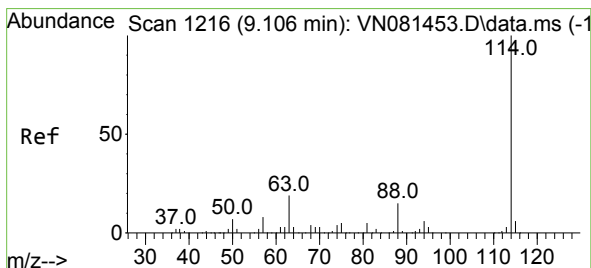
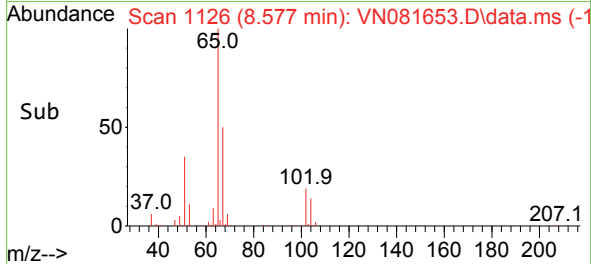
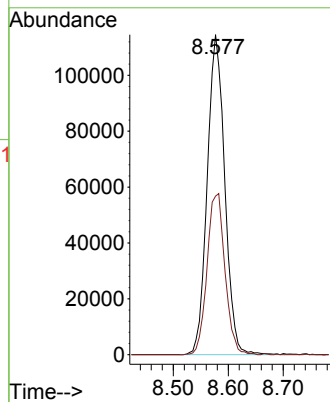
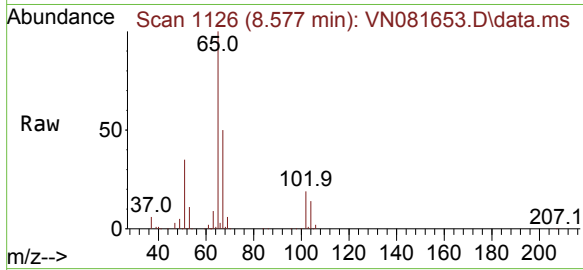
IBLK

Tgt Ion: 65 Resp: 253804

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081653.D

Acq: 02 Apr 2024 15:01

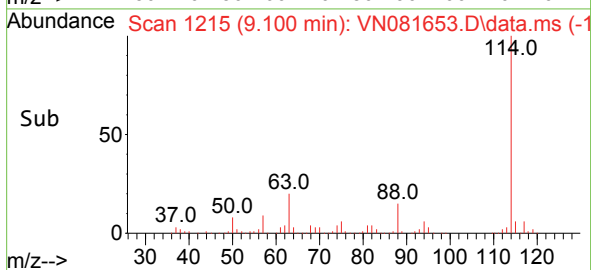
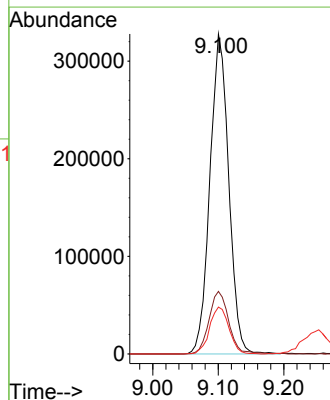
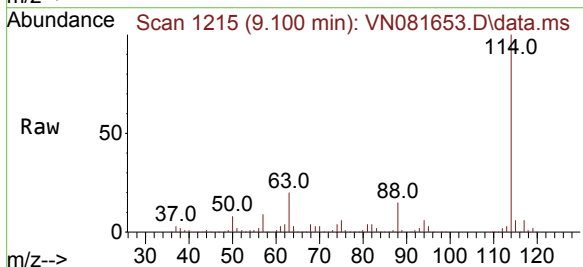
Tgt Ion: 114 Resp: 654573

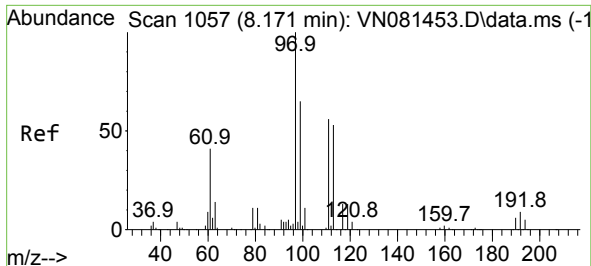
Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 14.7 0.0 34.8

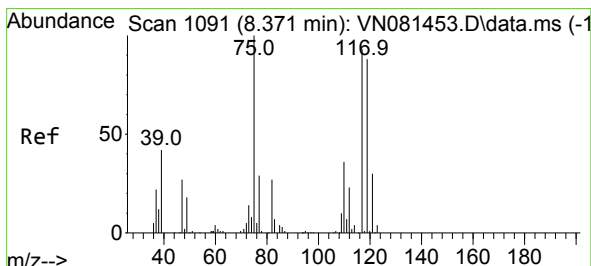
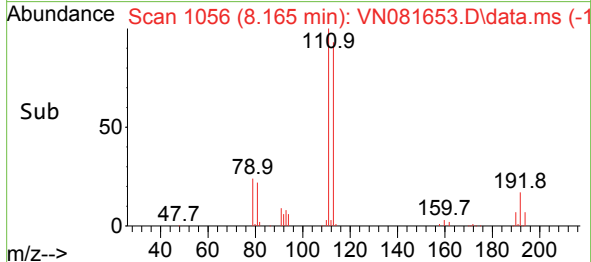
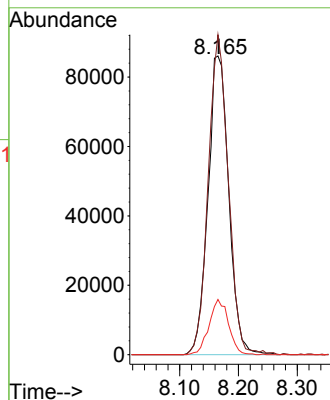
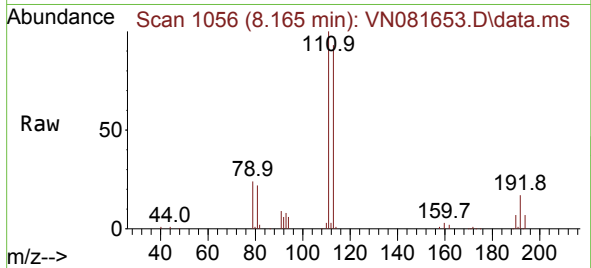




#35
Dibromofluoromethane
Concen: 51.288 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

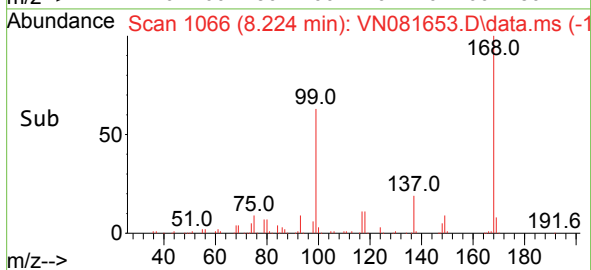
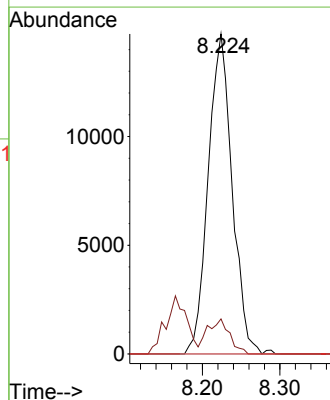
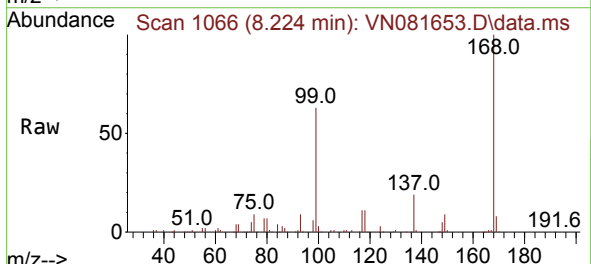
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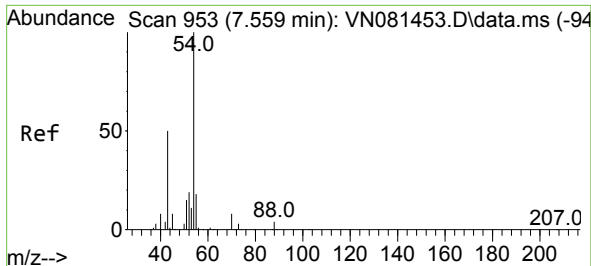
Tgt Ion:113 Resp: 211874
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 17.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.547 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion: 75 Resp: 31613
Ion Ratio Lower Upper
75 100
110 10.1 16.0 48.0#
77 0.0 25.8 38.6#

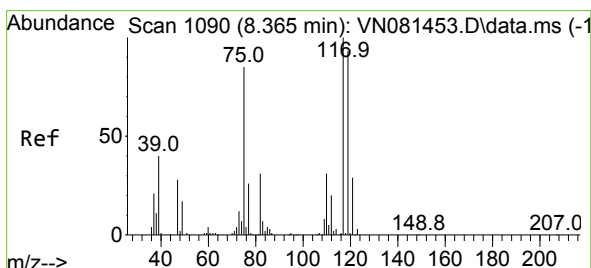
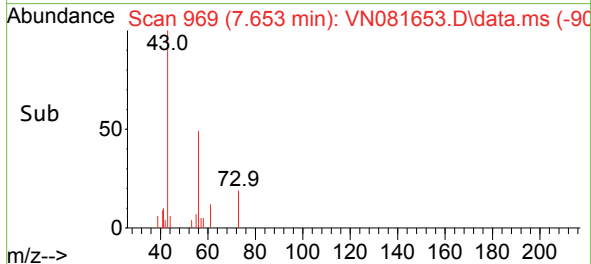
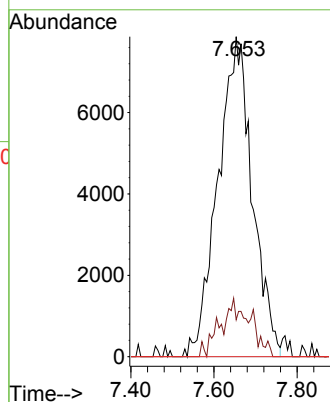
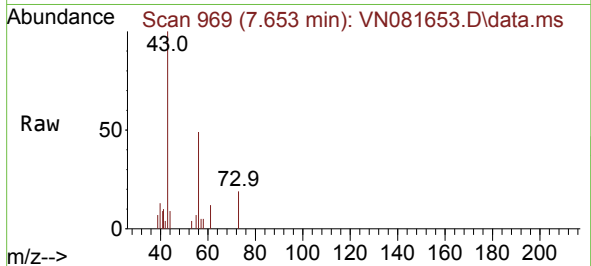




#37
Ethyl Acetate
Concen: 7.591 ug/l
RT: 7.653 min Scan# 90
Delta R.T. 0.094 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

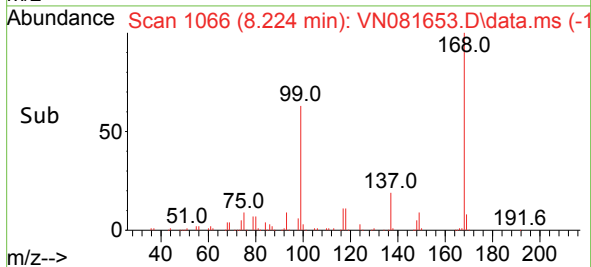
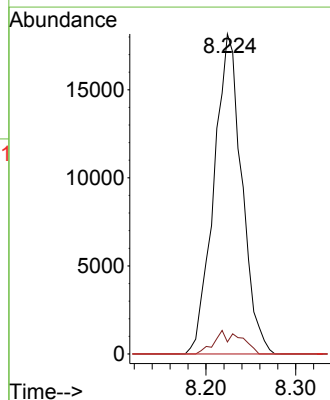
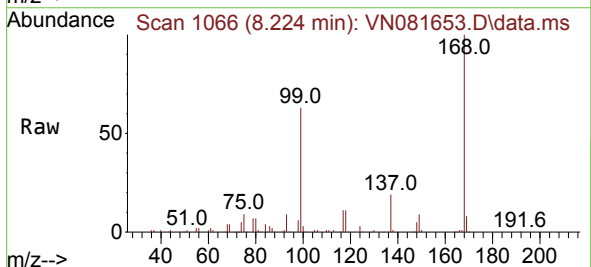
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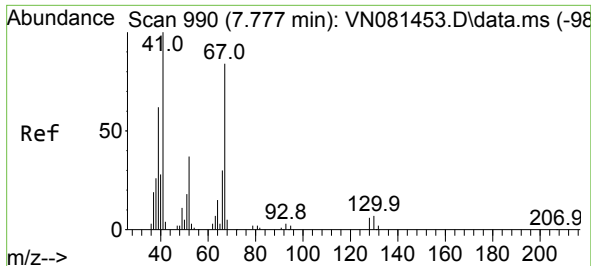
Tgt Ion: 43 Resp: 45187
Ion Ratio Lower Upper
43 100
61 4.4 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.155 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion: 117 Resp: 39261
Ion Ratio Lower Upper
117 100
119 3.8 73.4 110.2#
121 0.0 24.4 36.6#

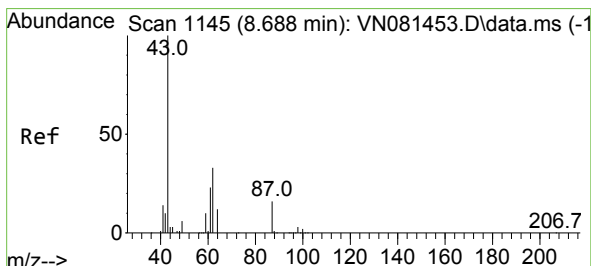
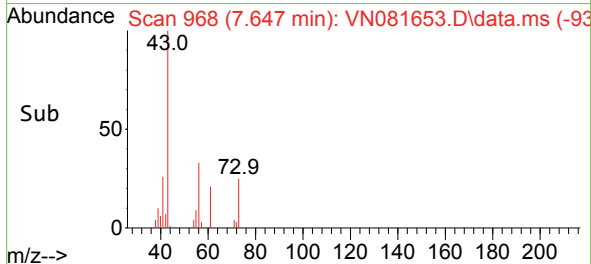
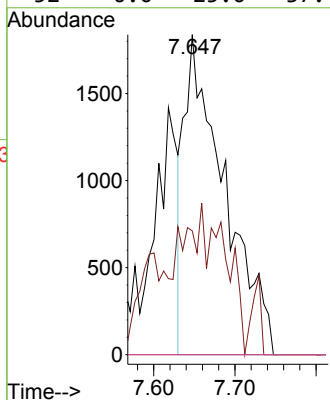
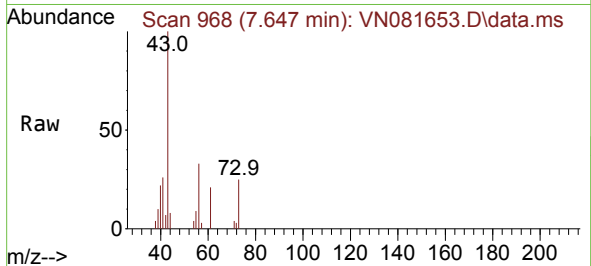




#41
Methacrylonitrile
Concen: 2.008 ug/l
RT: 7.647 min Scan# 91
Delta R.T. -0.129 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

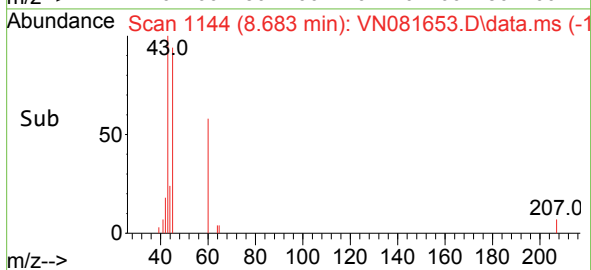
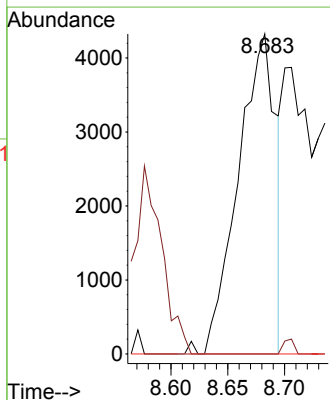
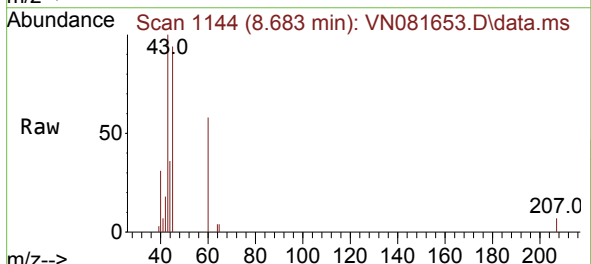
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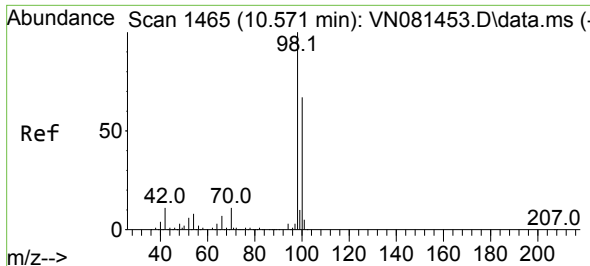
Tgt Ion:	41	Resp:	6321
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.4	72.6#
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#43
Isopropyl Acetate
Concen: 1.011 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion:	43	Resp:	9974
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.9	29.9#
87	0.0	9.0	13.6#

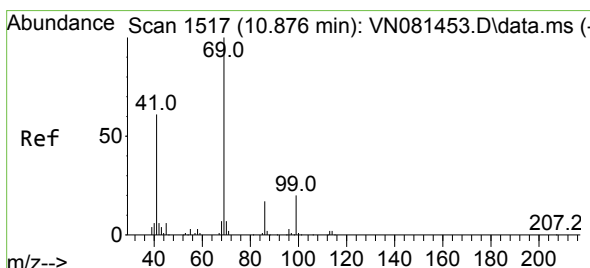
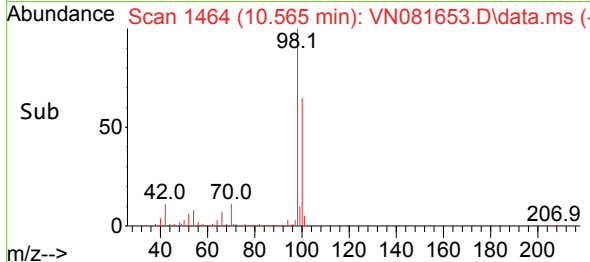
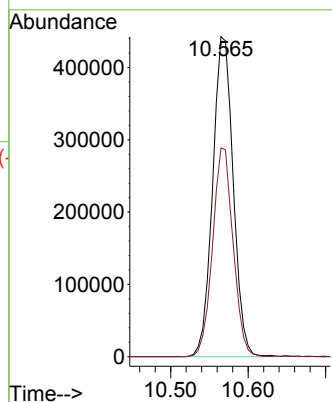
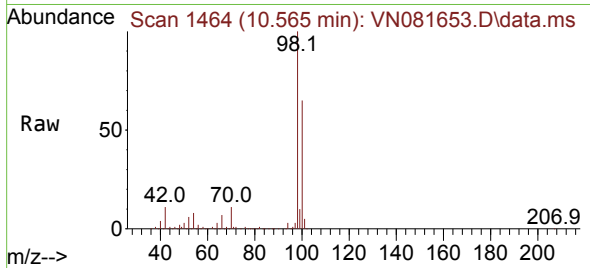




#50
Toluene-d8
Concen: 54.593 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

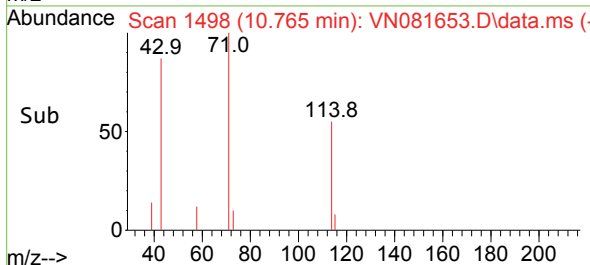
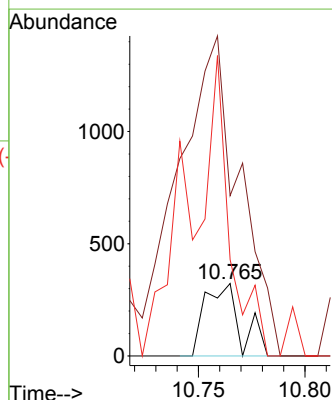
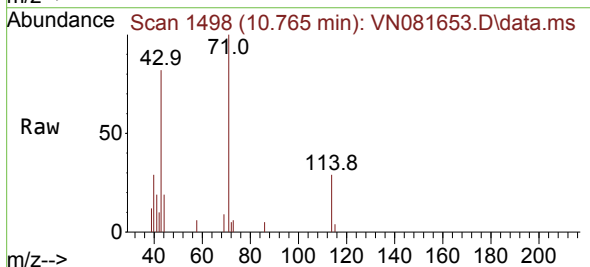
Instrument :
MSVOA_N
ClientSampleId :
IBLK

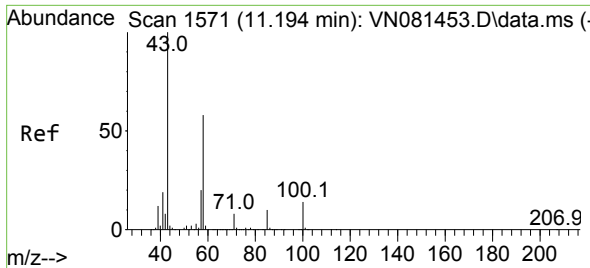
Tgt Ion: 98 Resp: 815250
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#56
Ethyl methacrylate
Concen: 0.623 ug/l
RT: 10.765 min Scan# 1498
Delta R.T. -0.111 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion: 69 Resp: 373
Ion Ratio Lower Upper
69 100
41 811.5 61.0 91.6#
39 468.4 31.8 47.6#

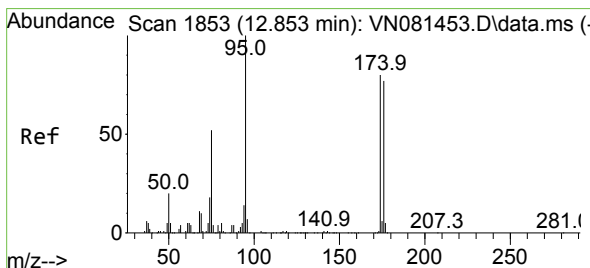
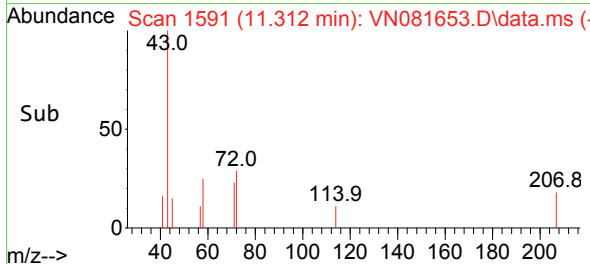
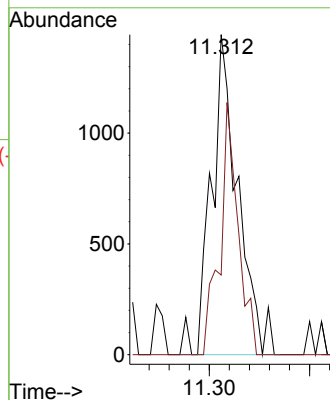
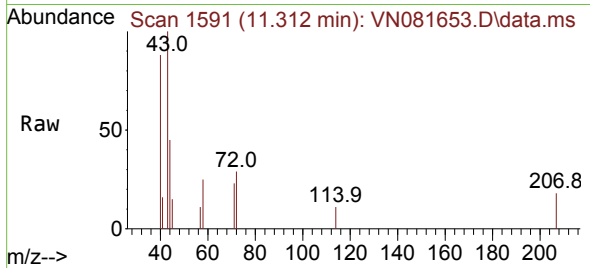




#59
2-Hexanone
Concen: 0.597 ug/l
RT: 11.312 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

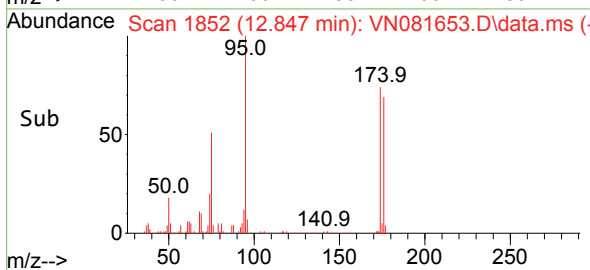
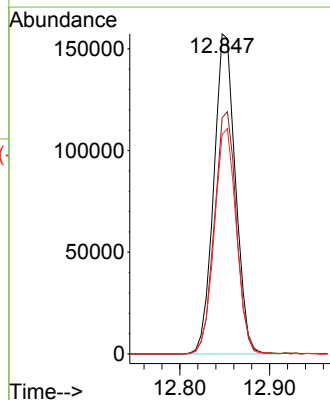
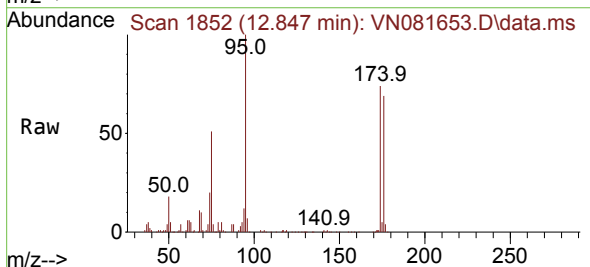
Instrument :
MSVOA_N
ClientSampleId :
IBLK

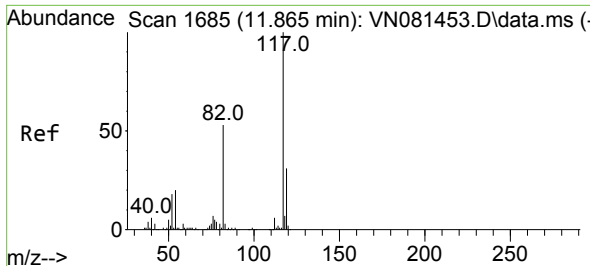
Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
58 53.7 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 50.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion: 95 Resp: 263405
Ion Ratio Lower Upper
95 100
174 77.3 0.0 120.4
176 71.9 0.0 121.0

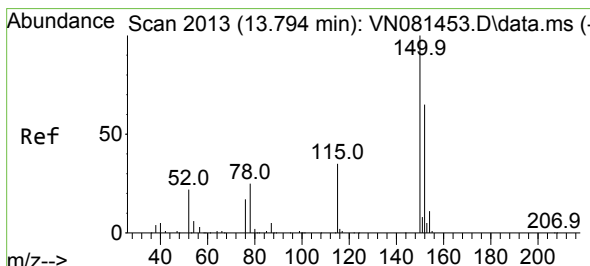
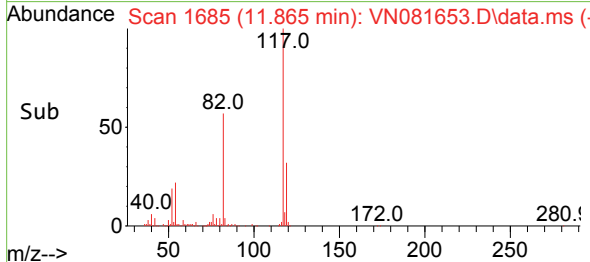
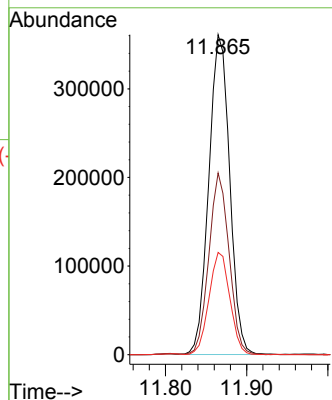
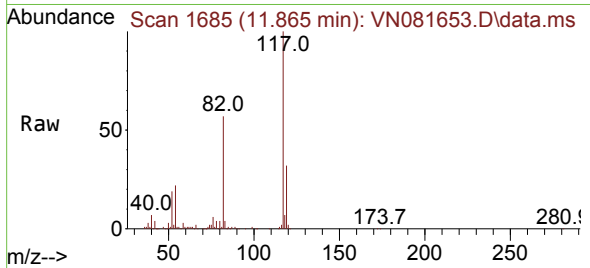




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

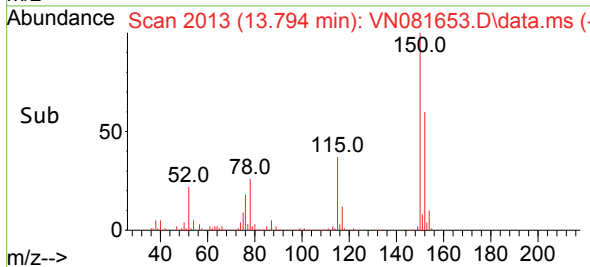
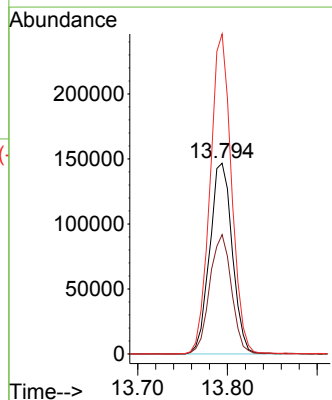
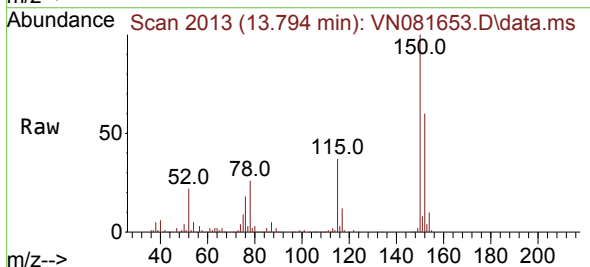
Instrument :
MSVOA_N
ClientSampleId :
IBLK

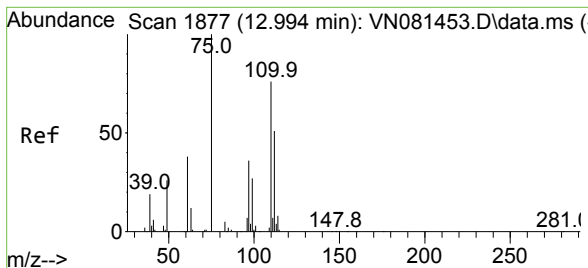
Tgt Ion:117 Resp: 644493
Ion Ratio Lower Upper
117 100
82 56.8 52.7 79.1
119 31.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081653.D
Acq: 02 Apr 2024 15:01

Tgt Ion:152 Resp: 256418
Ion Ratio Lower Upper
152 100
115 60.4 32.3 96.8
150 159.1 0.0 339.8

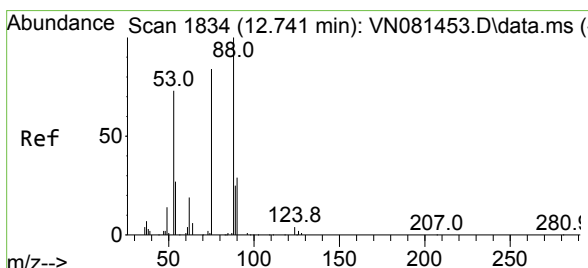
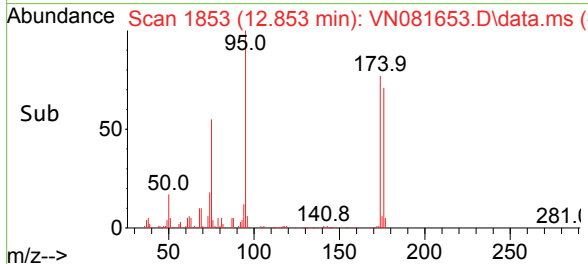
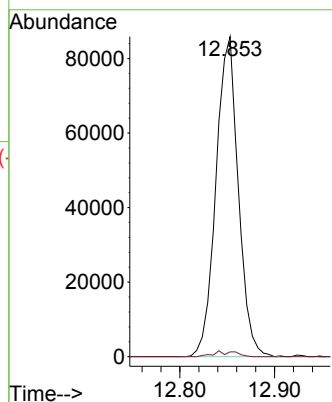
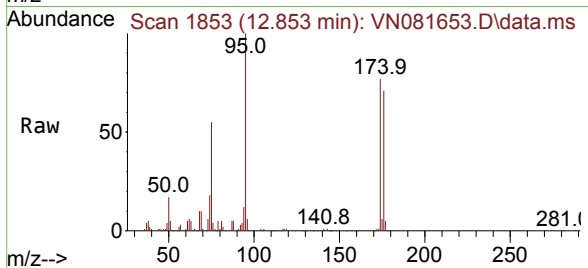




#76
 1,2,3-Trichloropropane
 Concen: 22.920 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081653.D
 Acq: 02 Apr 2024 15:01

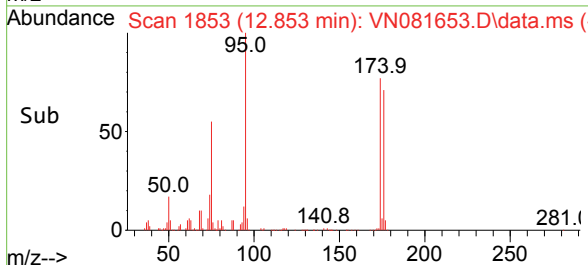
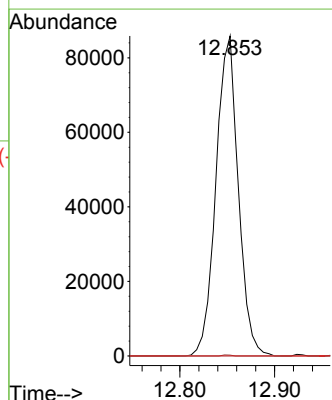
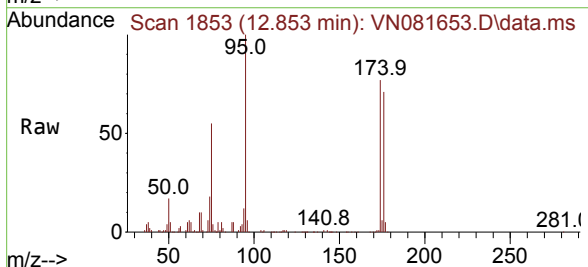
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

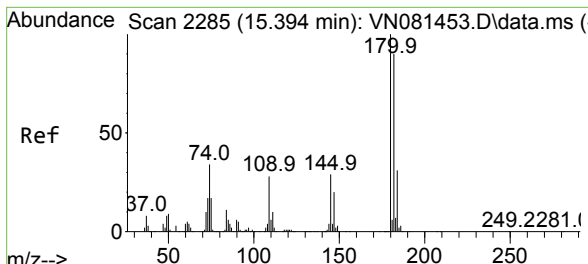
Tgt Ion: 75 Resp: 140584
 Ion Ratio Lower Upper
 75 100
 77 0.9 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.938 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081653.D
 Acq: 02 Apr 2024 15:01

Tgt Ion: 75 Resp: 140584
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

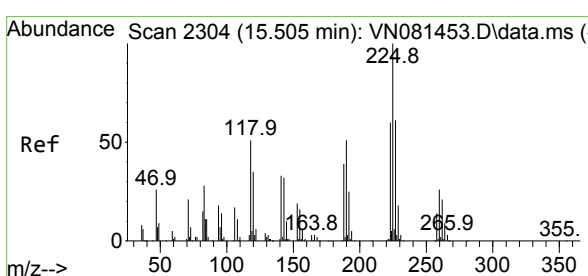
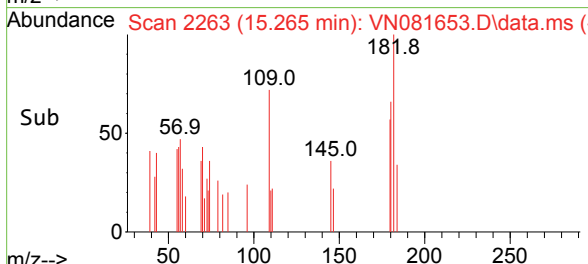
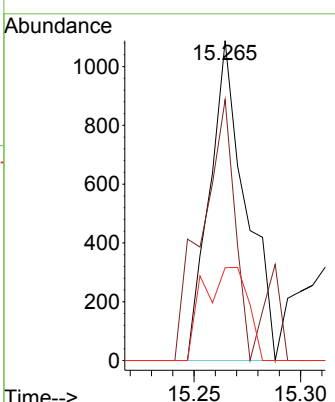
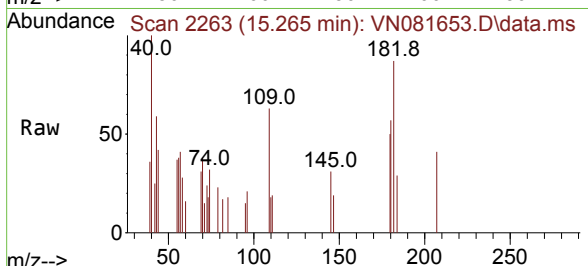




#93
 1,2,4-Trichlorobenzene
 Concen: 0.231 ug/l
 RT: 15.265 min Scan# 21
 Delta R.T. -0.129 min
 Lab File: VN081653.D
 Acq: 02 Apr 2024 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:	180	Resp:	1273
Ion Ratio	Lower	Upper	
180	100		
182	74.3	46.6	139.7
145	36.2	16.8	50.3



#94
 Hexachlorobutadiene
 Concen: 0.298 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. -0.106 min
 Lab File: VN081653.D
 Acq: 02 Apr 2024 15:01

Tgt Ion:	225	Resp:	722
Ion Ratio	Lower	Upper	
225	100		
223	73.7	33.3	99.8
227	68.3	33.1	99.2

