

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022124\
 Data File : VN081114.D
 Acq On : 21 Feb 2024 12:48
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 22 04:45:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

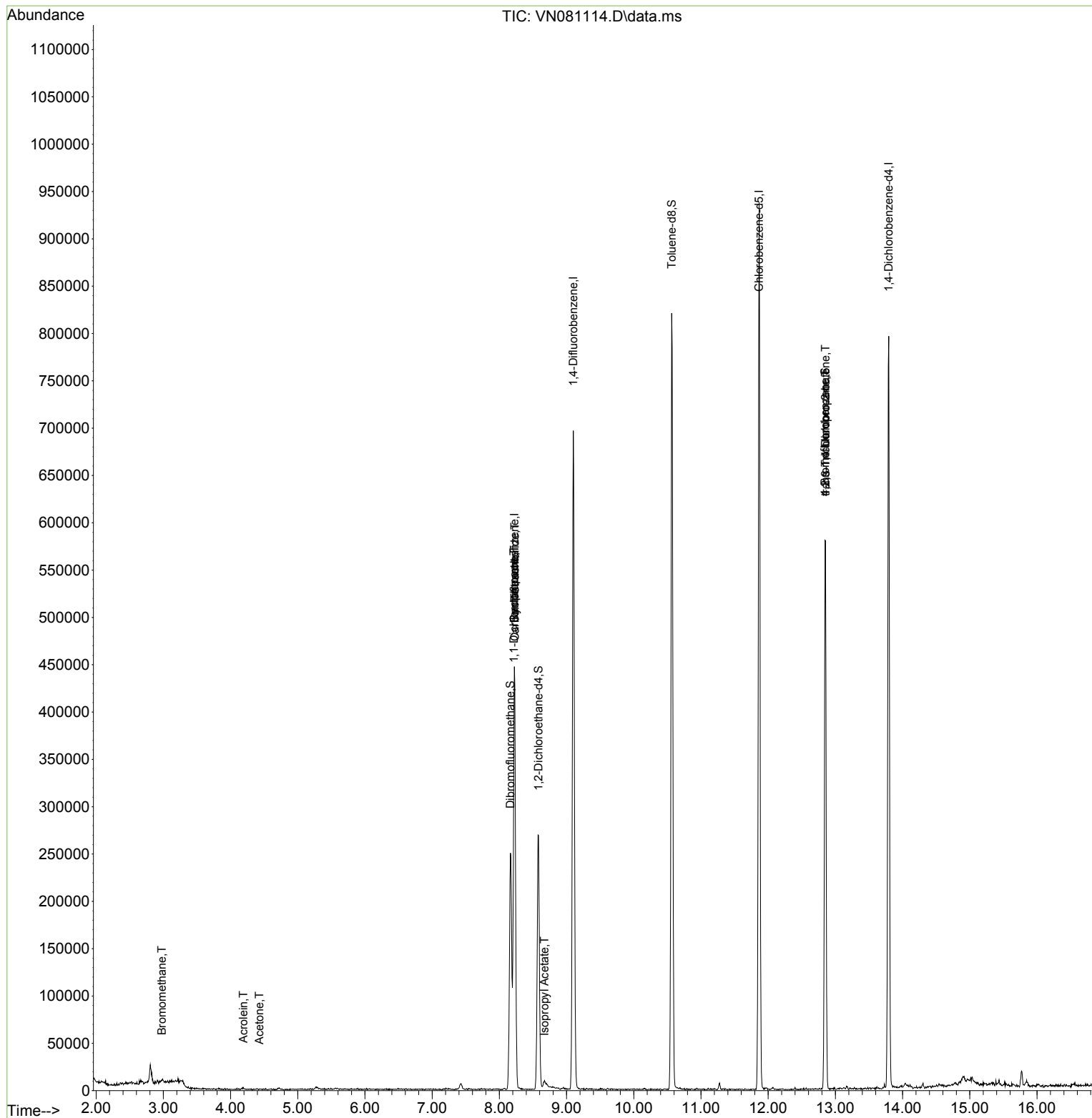
Internal Standards						
1) Pentafluorobenzene	8.224	168	308719	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	605555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	527158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	215342	56.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.820%
35) Dibromofluoromethane	8.165	113	177347	51.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.580%
50) Toluene-d8	10.565	98	561827	46.196	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.400%
62) 4-Bromofluorobenzene	12.847	95	207289	45.360	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1461	Below Cal	#	85
5) Bromomethane	2.977	94	1566	0.497	ug/l #	63
6) Chloroethane	3.124	64	87	Below Cal	#	42
13) Acrolein	4.189	56	1228	3.292	ug/l #	50
16) Acetone	4.430	43	1045	0.702	ug/l #	44
20) Methylene Chloride	5.259	84	1519	Below Cal	#	51
31) Cyclohexane	8.224	56	7696	1.178	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	26586	4.532	ug/l #	50
38) Carbon Tetrachloride	8.229	117	35254	5.940	ug/l #	19
43) Isopropyl Acetate	8.671	43	6450	0.697	ug/l #	57
49) 1,4-Dioxane	9.718	88	72	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	111256	23.042	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111256	59.308	ug/l #	14

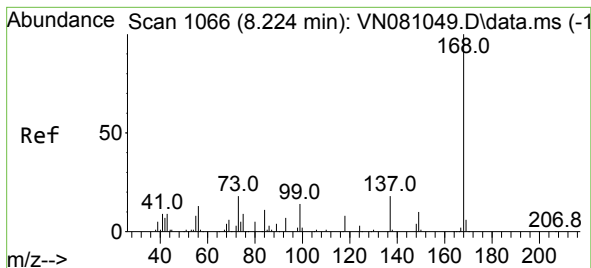
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081114.D

Acq: 21 Feb 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

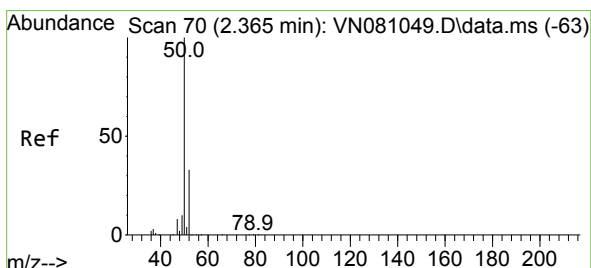
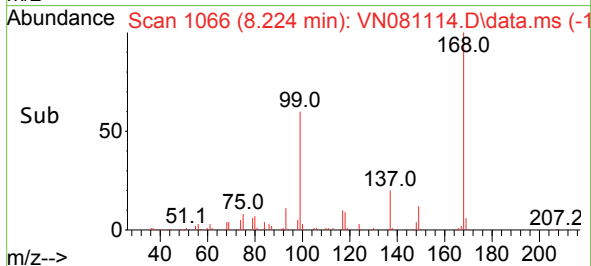
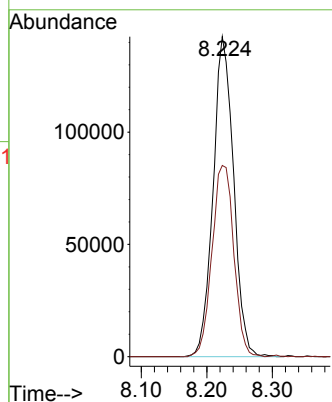
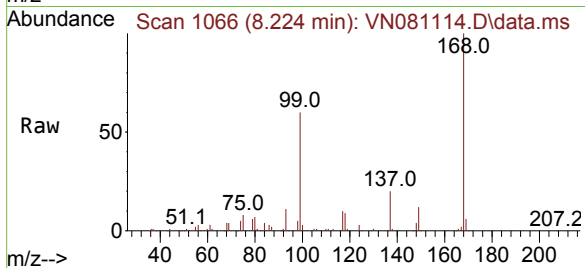
IBLK

Tgt Ion:168 Resp: 308719

Ion Ratio Lower Upper

168 100

99 59.8 59.9 89.9#



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081114.D

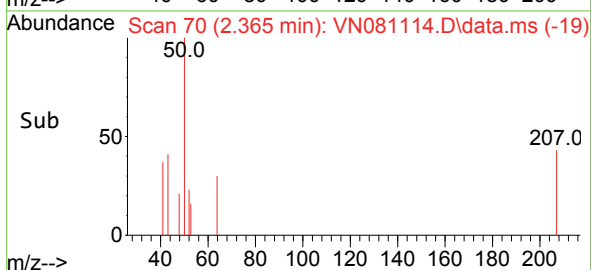
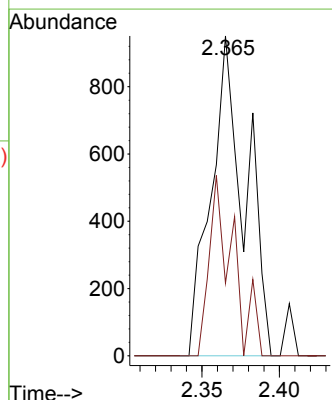
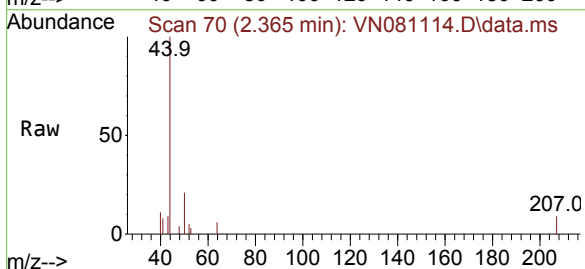
Acq: 21 Feb 2024 12:48

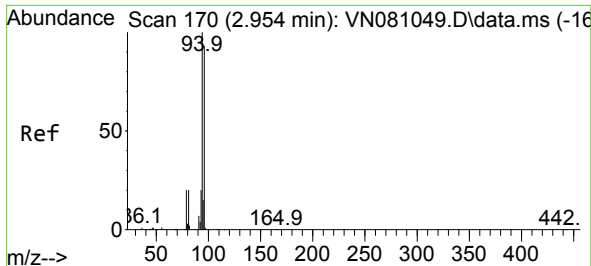
Tgt Ion: 50 Resp: 1461

Ion Ratio Lower Upper

50 100

52 22.7 25.0 37.4#

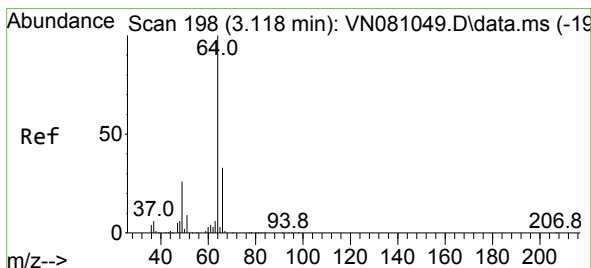
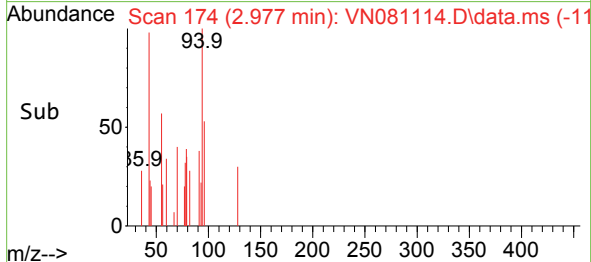
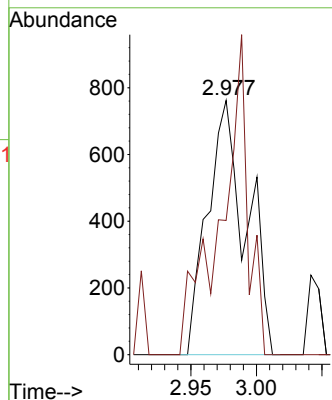
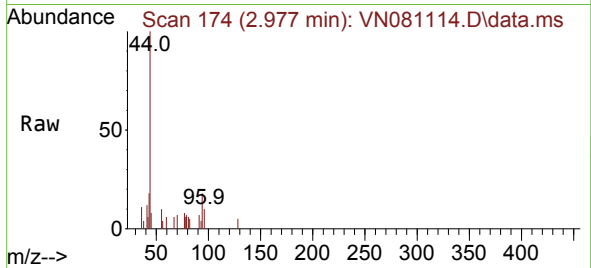




#5
Bromomethane
Concen: 0.497 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

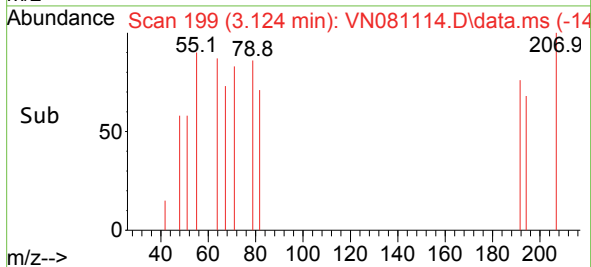
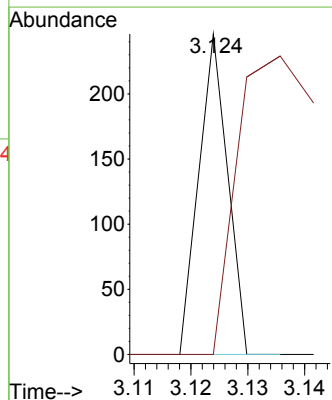
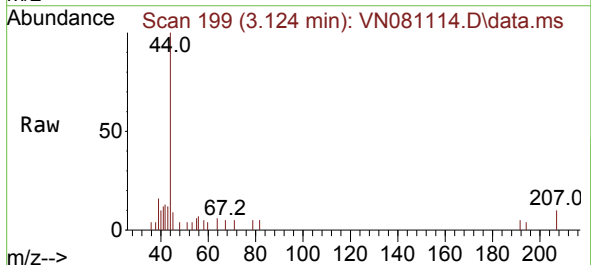
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 94 Resp: 1566
Ion Ratio Lower Upper
94 100
96 52.8 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

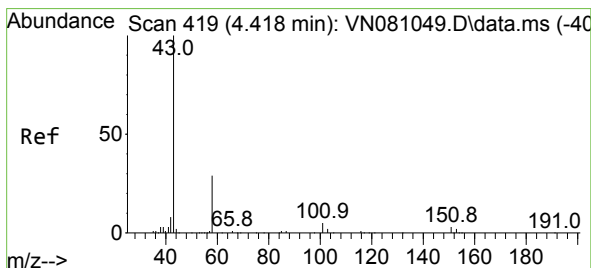
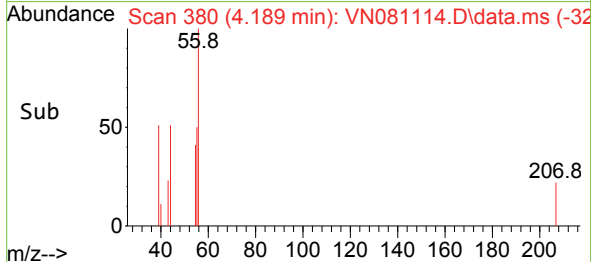
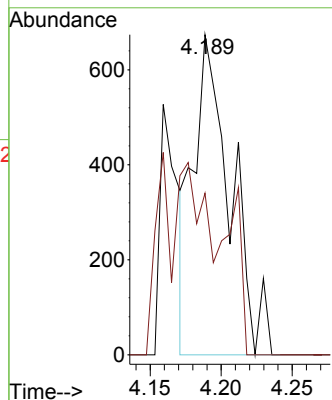
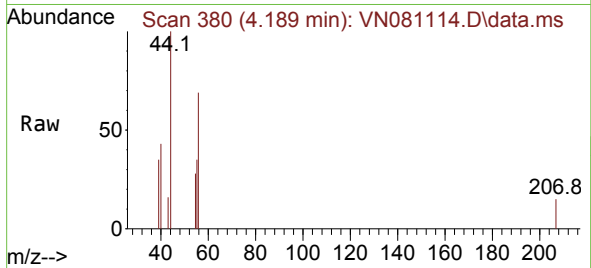




#13
Acrolein
Concen: 3.292 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

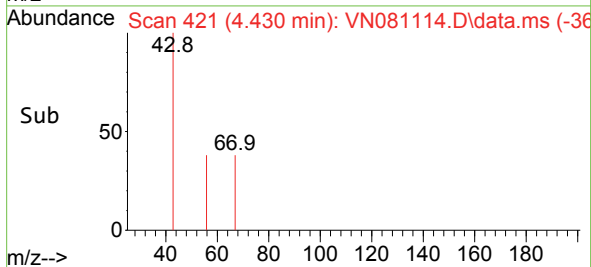
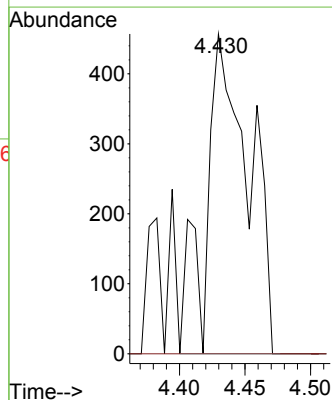
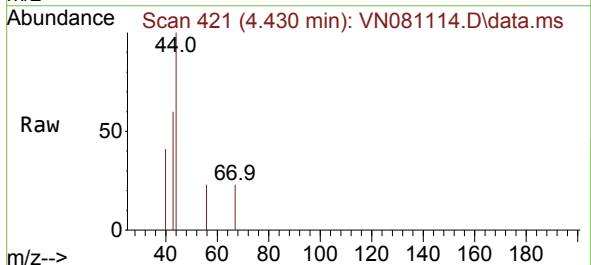
Instrument :
MSVOA_N
ClientSampleId :
IBLK

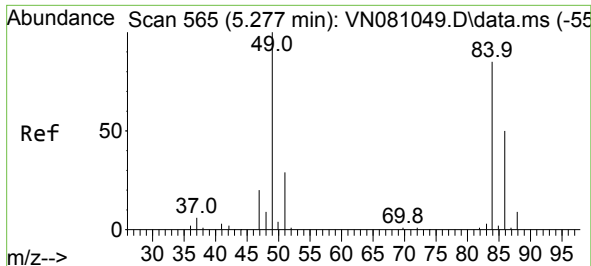
Tgt Ion: 56 Resp: 1228
Ion Ratio Lower Upper
56 100
55 28.7 55.3 82.9#



#16
Acetone
Concen: 0.702 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

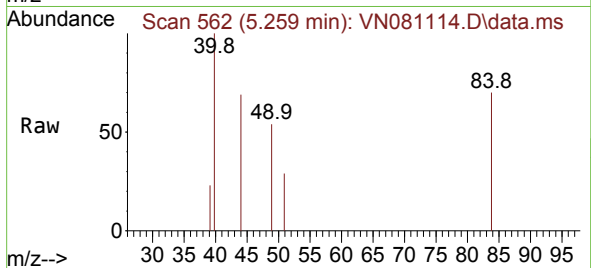
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



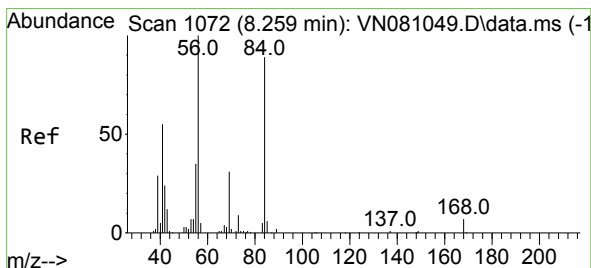
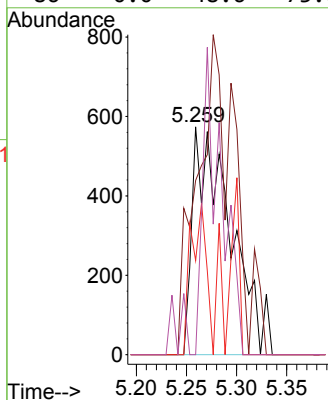
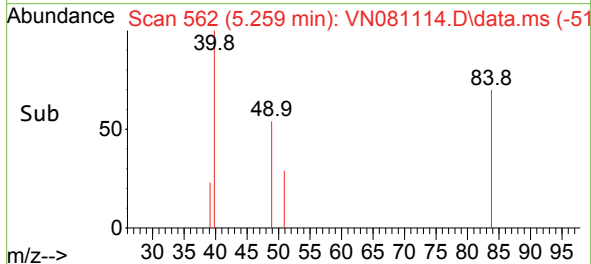


#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 50
Delta R.T. -0.018 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

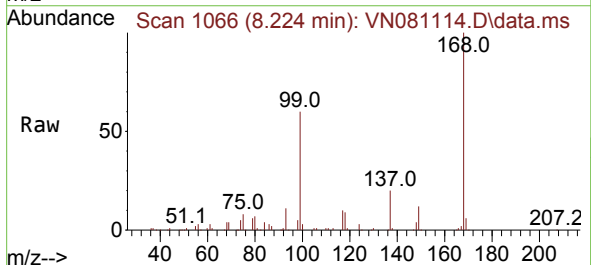
Instrument :
MSVOA_N
ClientSampleId :
IBLK



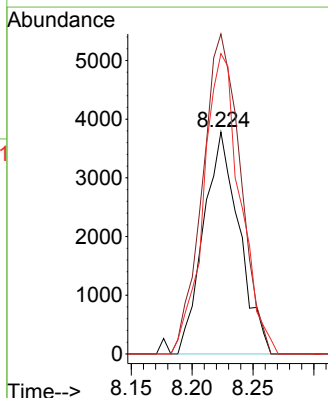
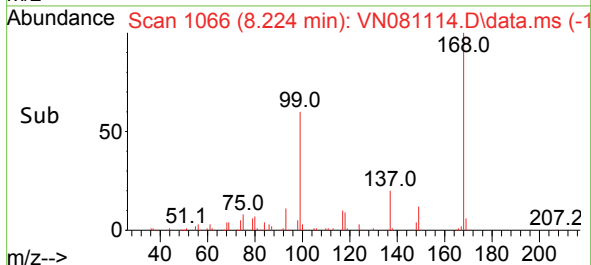
Tgt Ion: 84 Resp: 1519
Ion Ratio Lower Upper
84 100
49 76.5 108.1 162.1#
51 41.3 32.9 49.3
86 0.0 48.6 73.0#

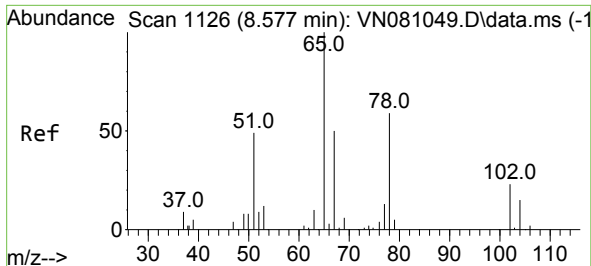


#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48



Tgt Ion: 56 Resp: 7696
Ion Ratio Lower Upper
56 100
69 144.2 20.1 30.1#
84 135.3 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 56.908 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081114.D

Acq: 21 Feb 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

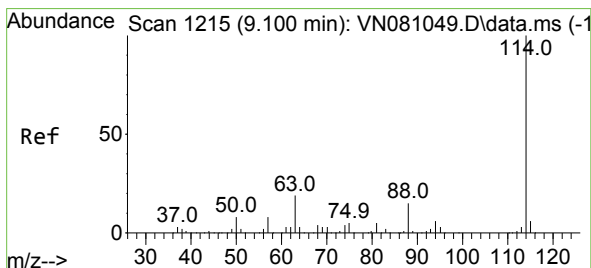
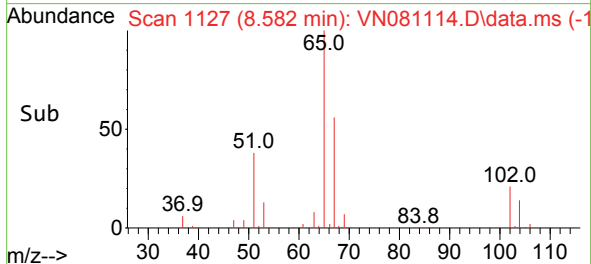
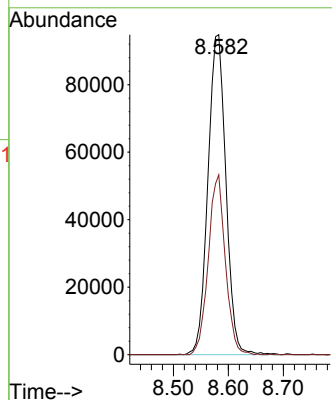
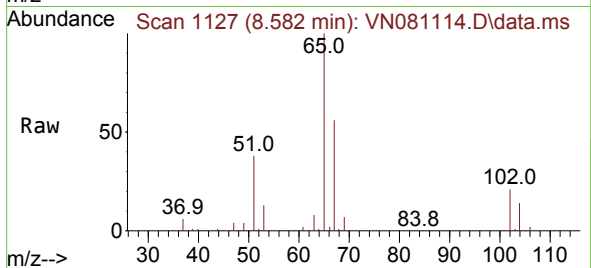
IBLK

Tgt Ion: 65 Resp: 215342

Ion Ratio Lower Upper

65 100

67 53.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081114.D

Acq: 21 Feb 2024 12:48

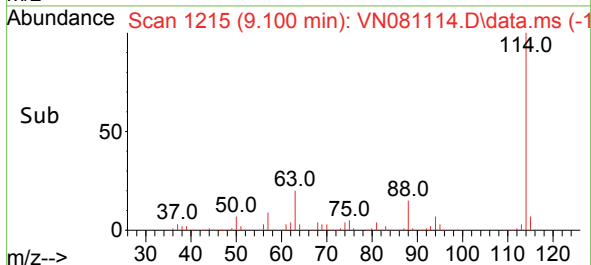
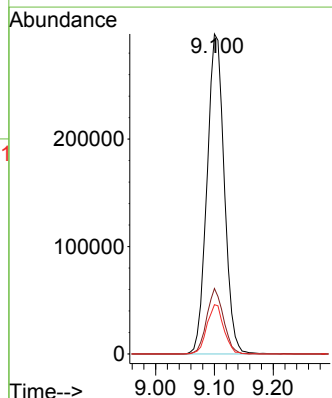
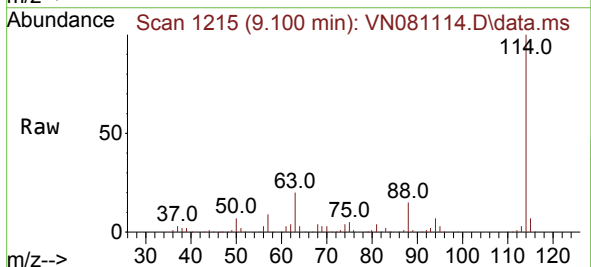
Tgt Ion: 114 Resp: 605555

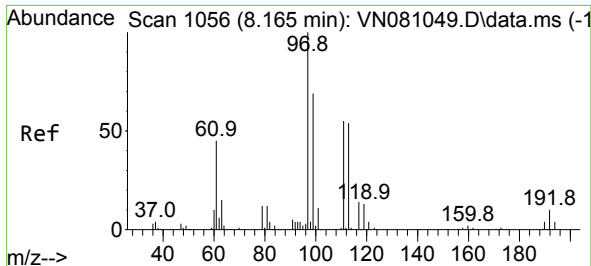
Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 15.4 0.0 34.8

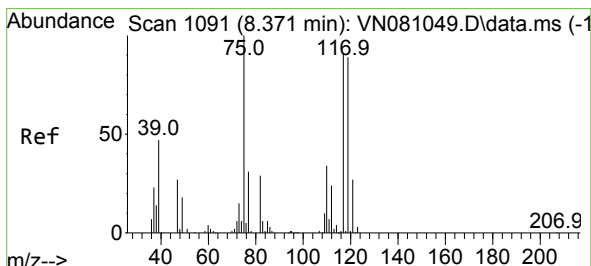
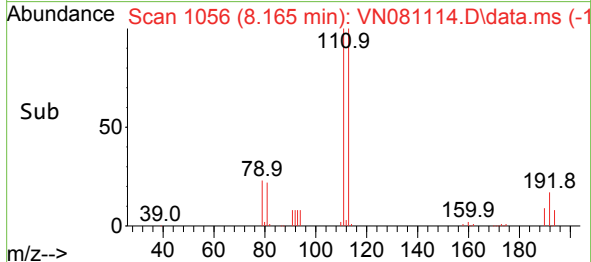
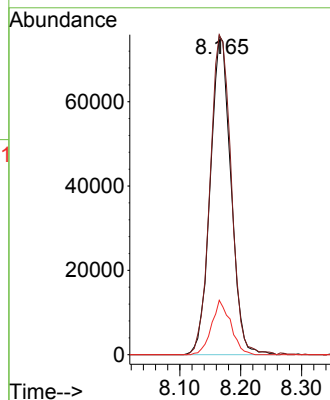
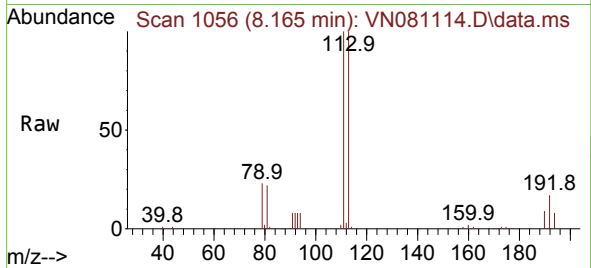




#35
Dibromofluoromethane
Concen: 51.792 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

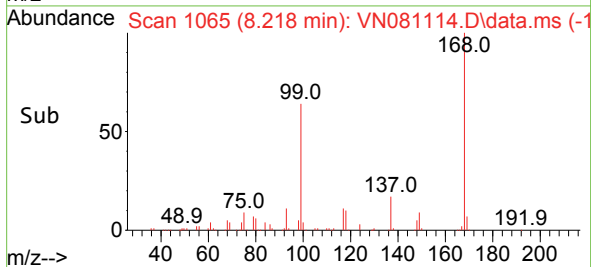
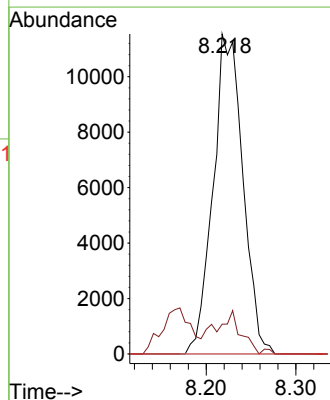
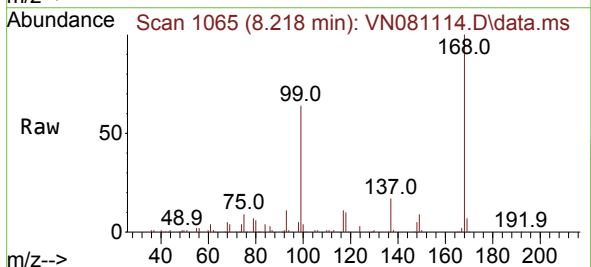
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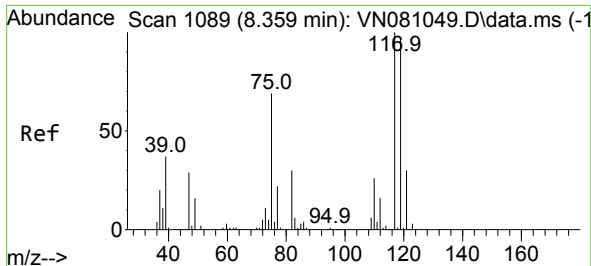
Tgt Ion:113 Resp: 177347
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 15.9 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

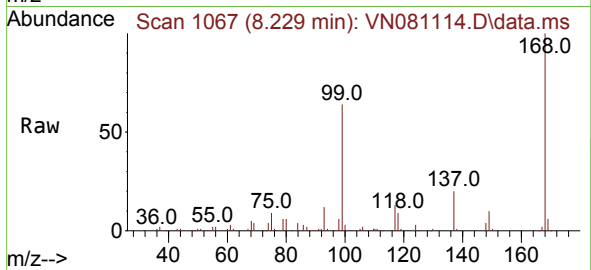
Tgt Ion: 75 Resp: 26586
Ion Ratio Lower Upper
75 100
110 7.9 16.0 48.0#
77 0.0 25.8 38.6#



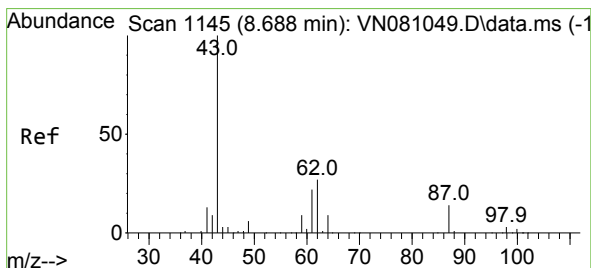
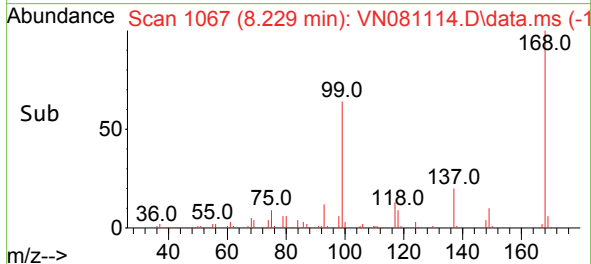
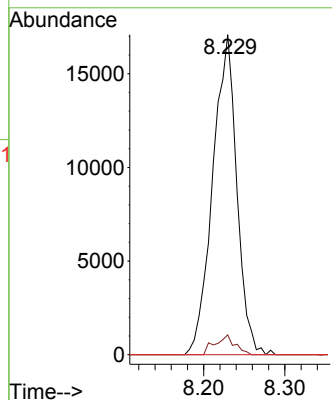


#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
IBLK

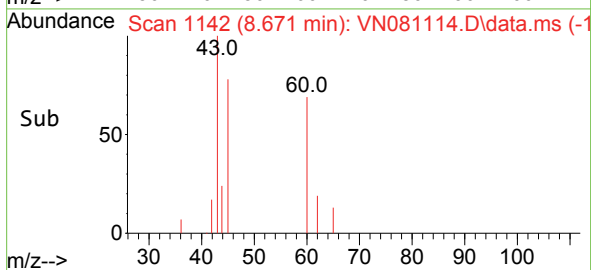
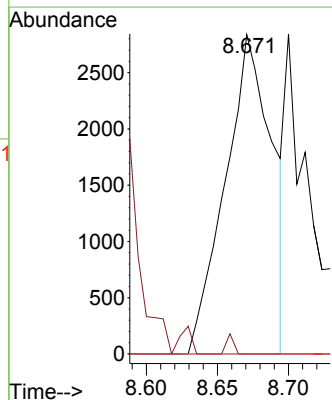
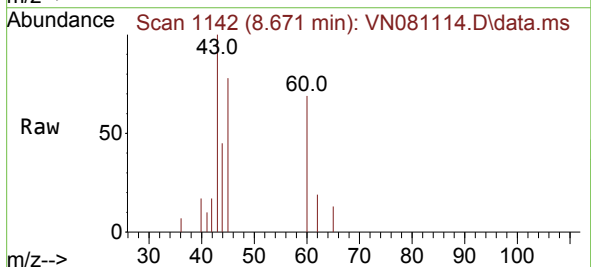


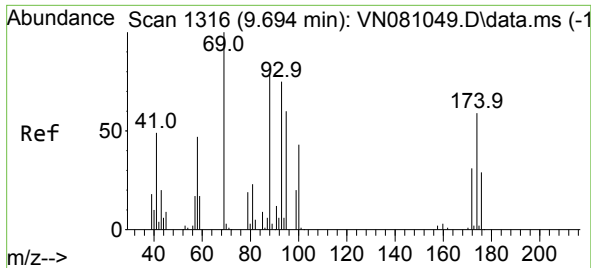
Tgt Ion:117 Resp: 35254
Ion Ratio Lower Upper
117 100
119 6.2 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.018 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 43 Resp: 6450
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.718 min Scan# 11

Delta R.T. 0.024 min

Lab File: VN081114.D

Acq: 21 Feb 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

IBLK

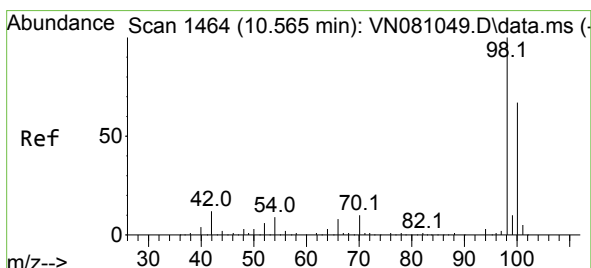
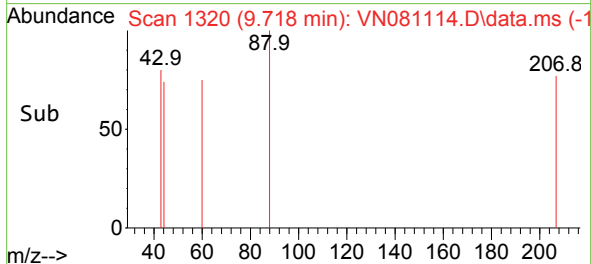
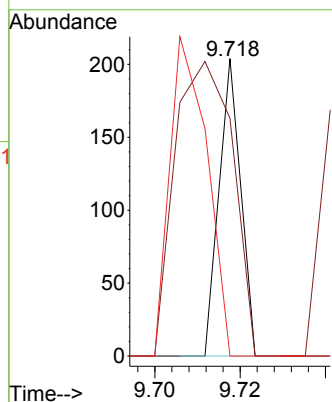
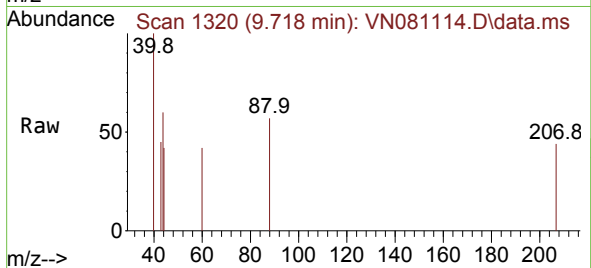
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 263.9 30.1 45.1#

58 183.3 63.9 95.9#



#50

Toluene-d8

Concen: 46.196 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081114.D

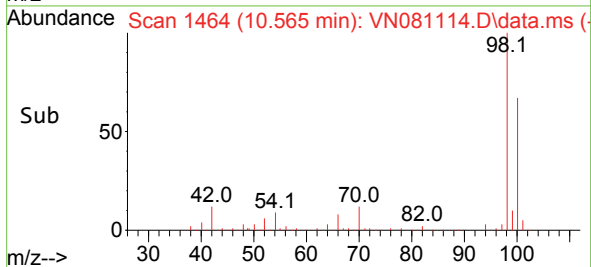
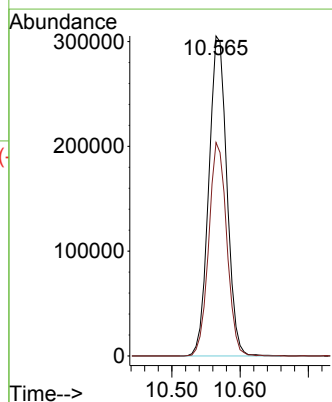
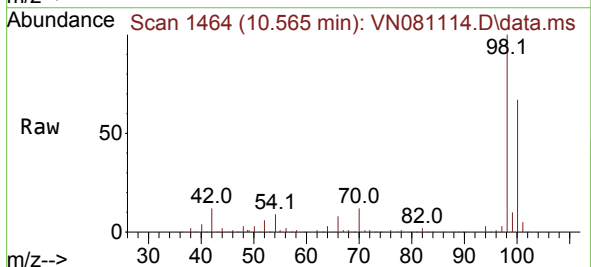
Acq: 21 Feb 2024 12:48

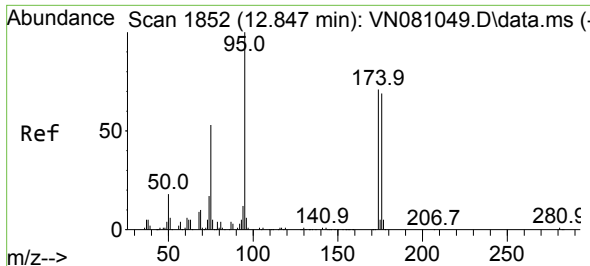
Tgt Ion: 98 Resp: 561827

Ion Ratio Lower Upper

98 100

100 66.5 51.4 77.0

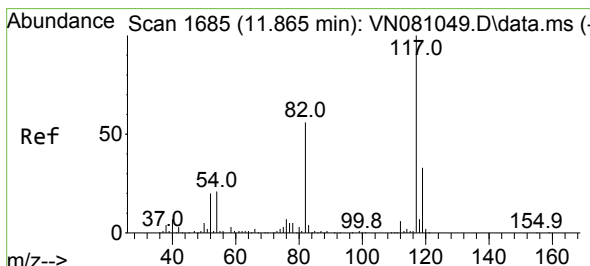
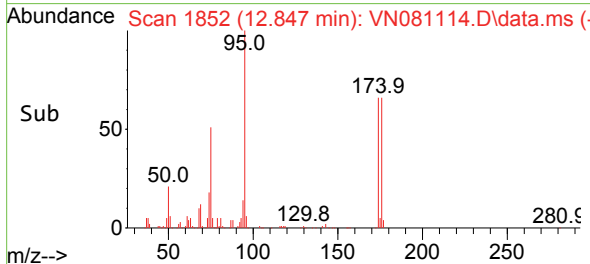
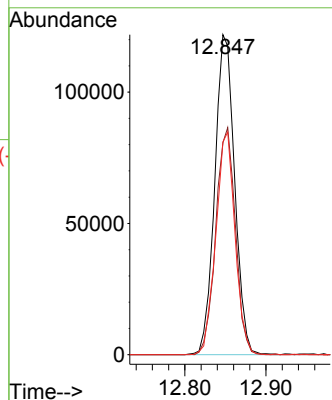
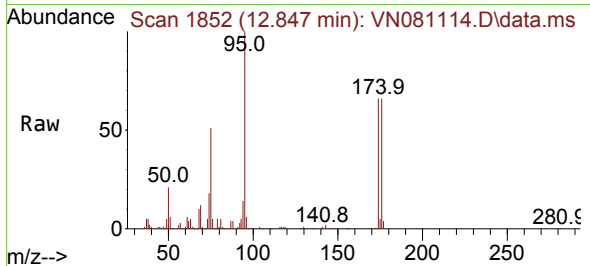




#62
4-Bromofluorobenzene
Concen: 45.360 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

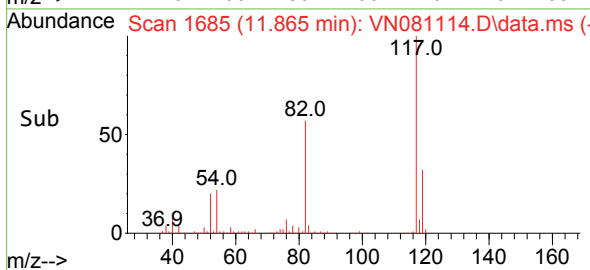
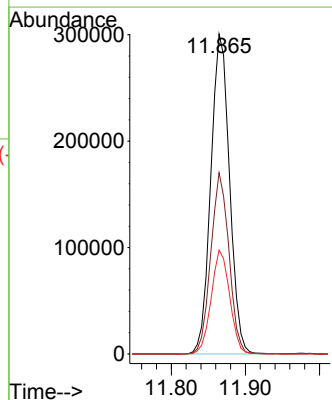
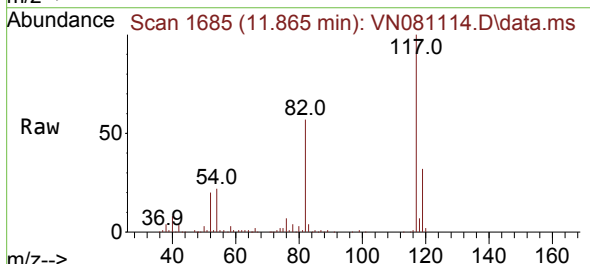
Instrument :
MSVOA_N
ClientSampleId :
IBLK

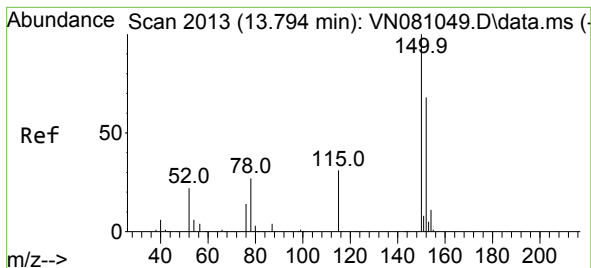
Tgt Ion: 95 Resp: 207289
Ion Ratio Lower Upper
95 100
174 70.1 0.0 120.4
176 67.3 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 117 Resp: 527158
Ion Ratio Lower Upper
117 100
82 56.7 52.7 79.1
119 32.5 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: VN081114.D

Acq: 21 Feb 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

IBLK

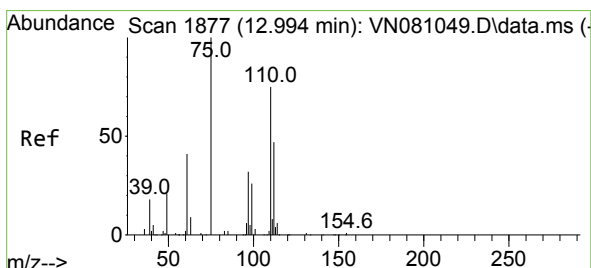
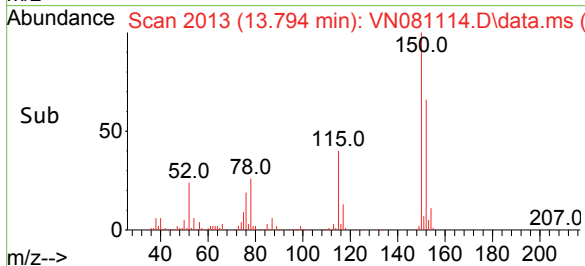
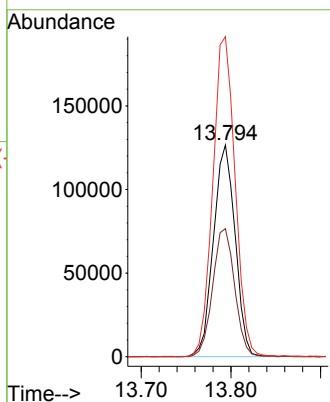
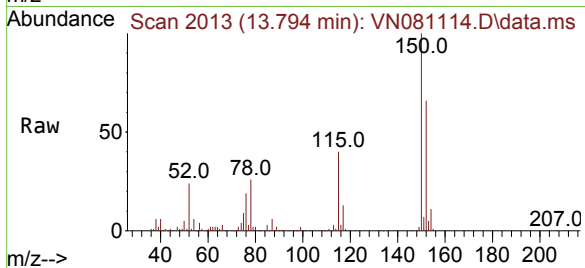
Tgt Ion:152 Resp: 212511

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 155.7 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 23.042 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081114.D

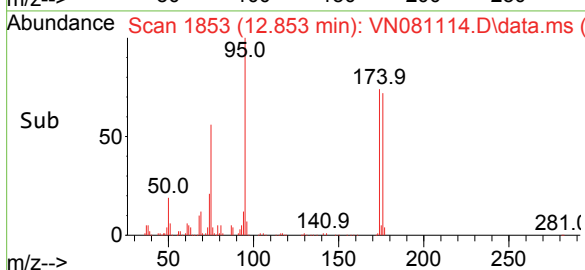
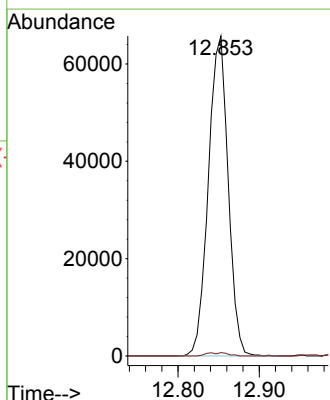
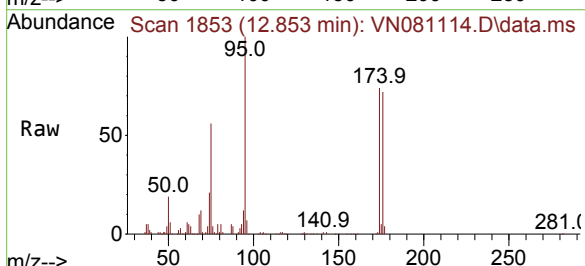
Acq: 21 Feb 2024 12:48

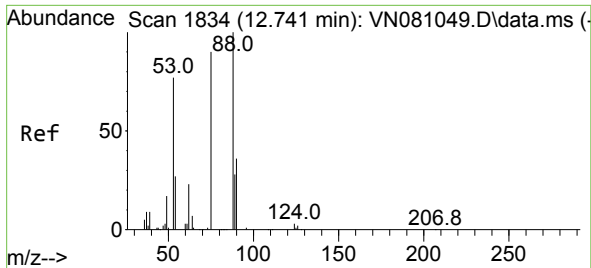
Tgt Ion: 75 Resp: 111256

Ion Ratio Lower Upper

75 100

77 0.6 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 59.308 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081114.D
Acq: 21 Feb 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 111256
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

