

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021624\
 Data File : VN081054.D
 Acq On : 16 Feb 2024 14:29
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 16 23:46:28 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)

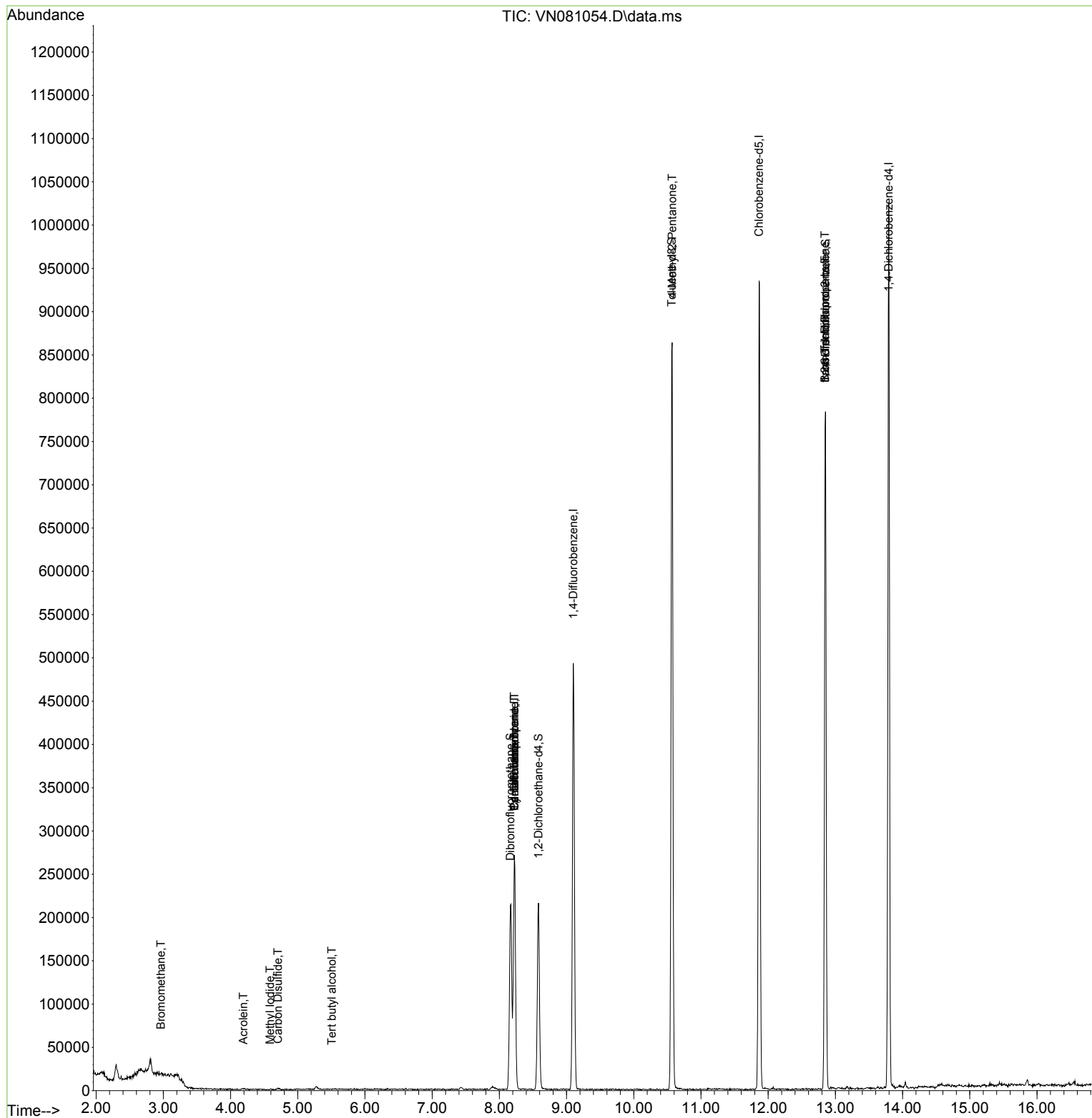
Internal Standards						
1) Pentafluorobenzene	8.224	168	188802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	433355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	543770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	257637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	167992	72.592	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 145.180%#			
35) Dibromofluoromethane	8.165	113	156672	63.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 127.860%#			
50) Toluene-d8	10.565	98	612778	70.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 140.820%#			
62) 4-Bromofluorobenzene	12.853	95	282464	86.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 172.740%#			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	3072	Below Cal		96
5) Bromomethane	2.965	94	767	0.398 ug/l #		6
6) Chloroethane	3.118	64	733	Below Cal #		46
10) Methyl Iodide	4.589	142	626	0.254 ug/l #		39
11) Tert butyl alcohol	5.506	59	129	0.303 ug/l #		72
13) Acrolein	4.189	56	1336	5.857 ug/l		98
17) Carbon Disulfide	4.706	76	2265	0.380 ug/l #		78
20) Methylene Chloride	5.271	84	1386	Below Cal #		63
31) Cyclohexane	8.224	56	5012	1.254 ug/l #		1
36) 1,1-Dichloropropene	8.224	75	15735	3.748 ug/l #		51
38) Carbon Tetrachloride	8.224	117	20876	4.915 ug/l #		19
49) 1,4-Dioxane	9.694	88	470	Below Cal #		59
51) 4-Methyl-2-Pentanone	10.570	43	3130	0.821 ug/l #		1
71) Bromoform	12.847	173	1757	0.655 ug/l #		1
76) 1,2,3-Trichloropropane	12.847	75	151376	25.860 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	151376	66.561 ug/l #		14

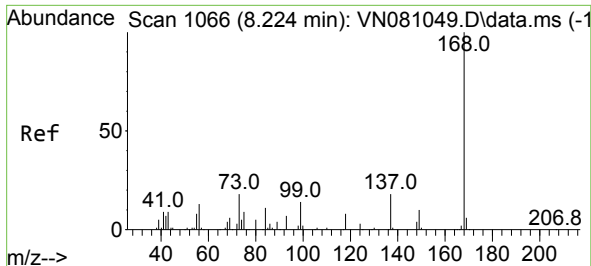
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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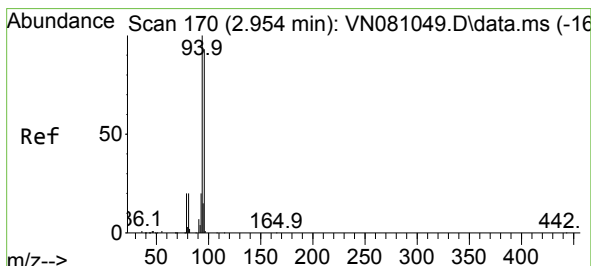
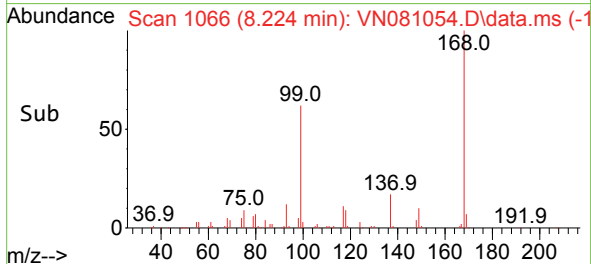
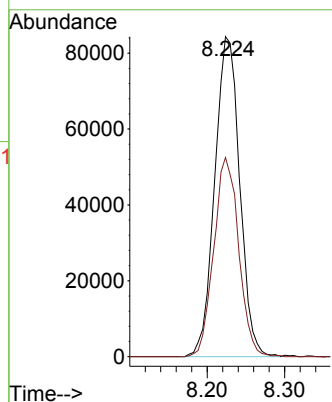
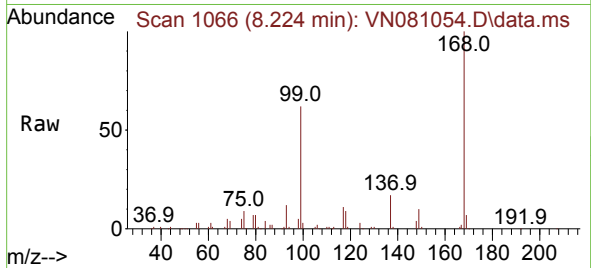




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

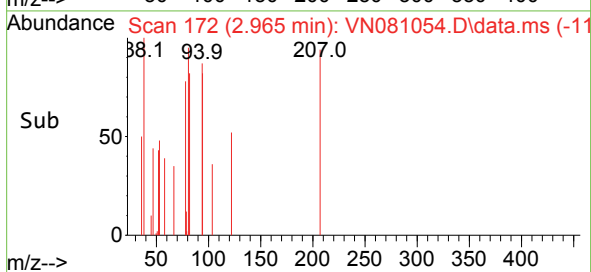
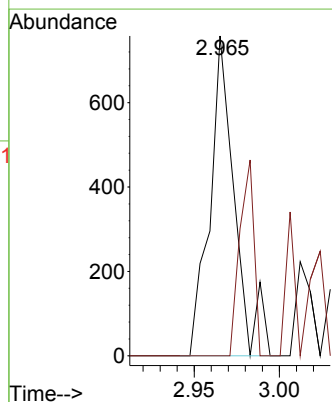
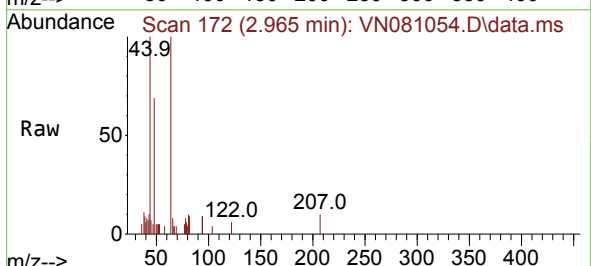
Instrument :
MSVOA_N
ClientSampleId :
IBLK

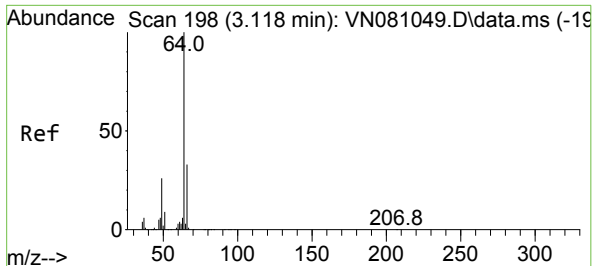
Tgt Ion:168 Resp: 188802
Ion Ratio Lower Upper
168 100
99 62.3 59.9 89.9



#5
Bromomethane
Concen: 0.398 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.012 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

Tgt Ion: 94 Resp: 767
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#

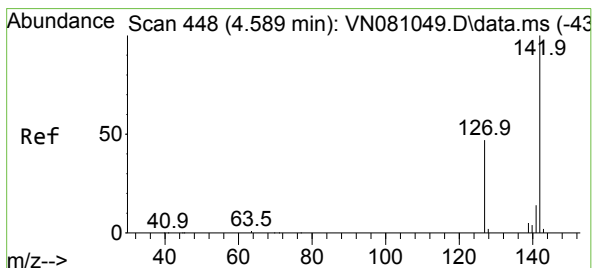
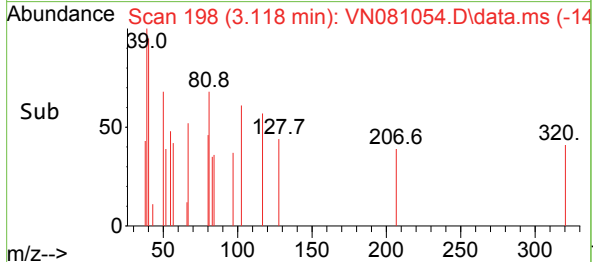
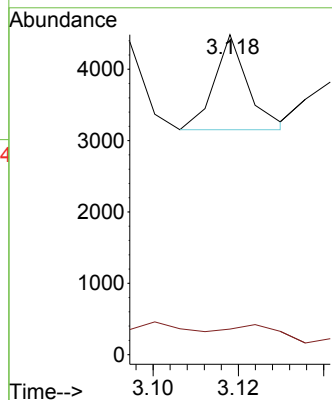
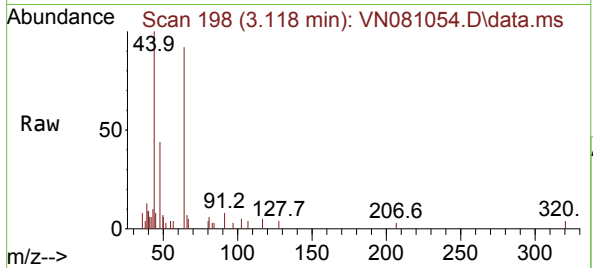




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

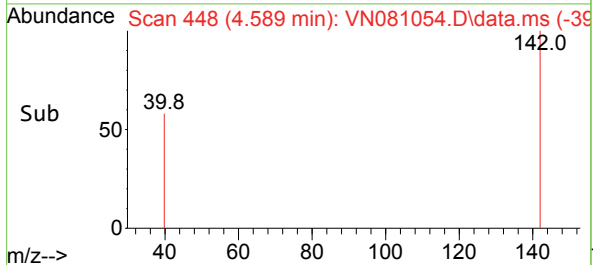
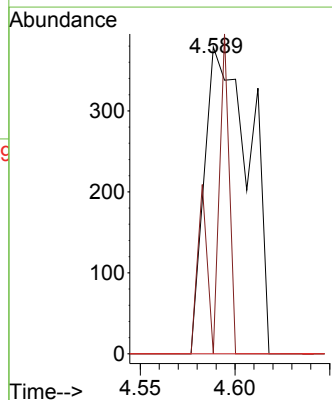
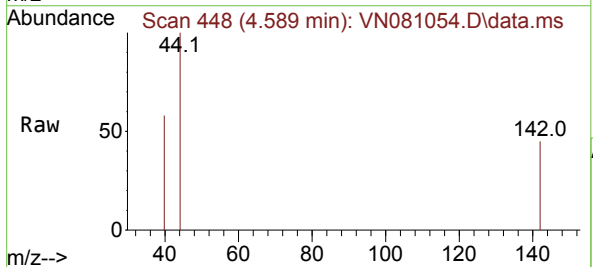
Instrument :
MSVOA_N
ClientSampleId :
IBLK

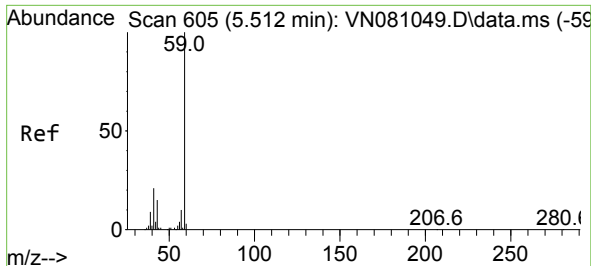
Tgt Ion: 64 Resp: 733
Ion Ratio Lower Upper
64 100
66 2.3 26.4 39.6#



#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

Tgt Ion: 142 Resp: 626
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 0.303 ug/l

RT: 5.506 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN081054.D

Acq: 16 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

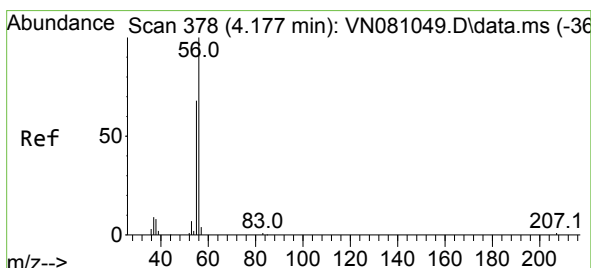
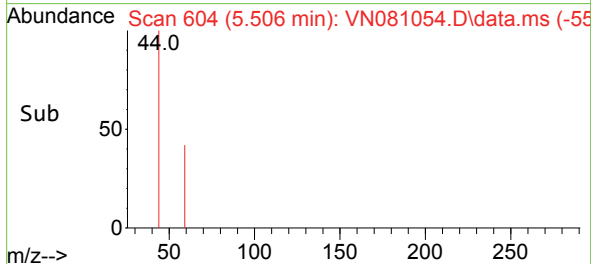
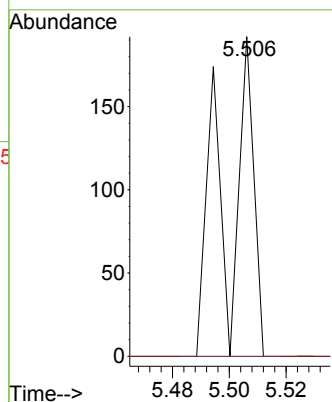
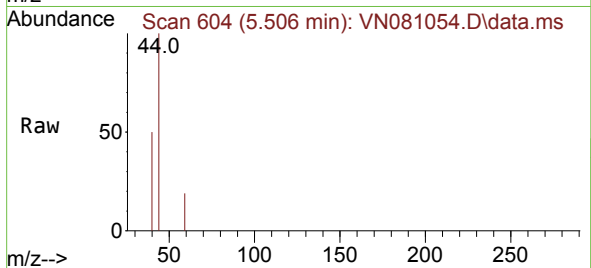
IBLK

Tgt Ion: 59 Resp: 129

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 5.857 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN081054.D

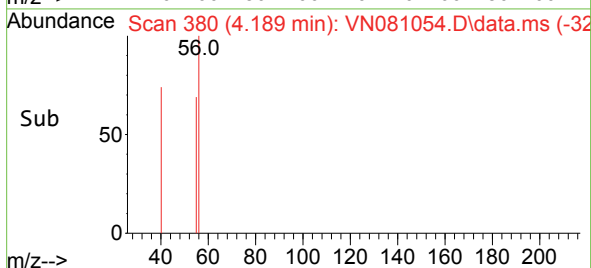
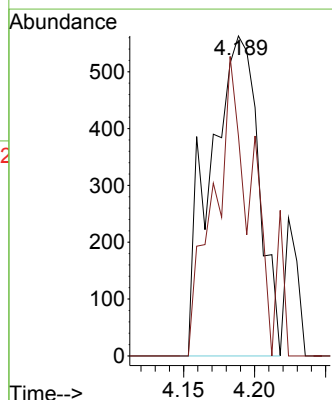
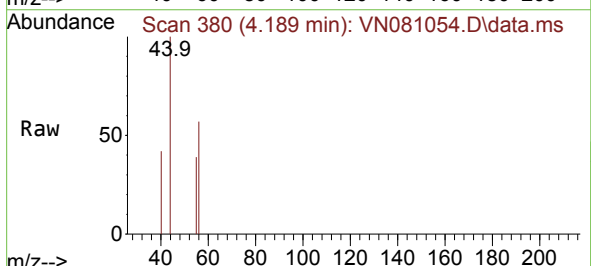
Acq: 16 Feb 2024 14:29

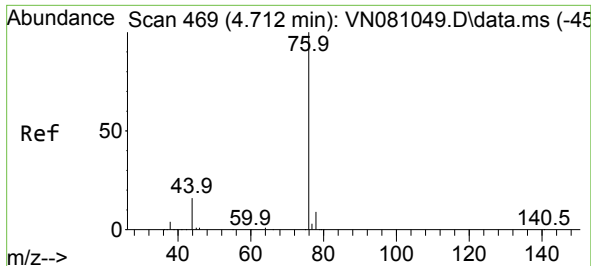
Tgt Ion: 56 Resp: 1336

Ion Ratio Lower Upper

56 100

55 70.4 55.3 82.9

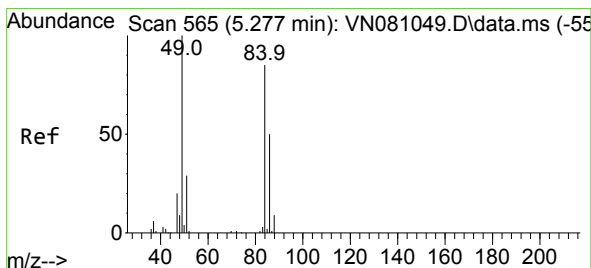
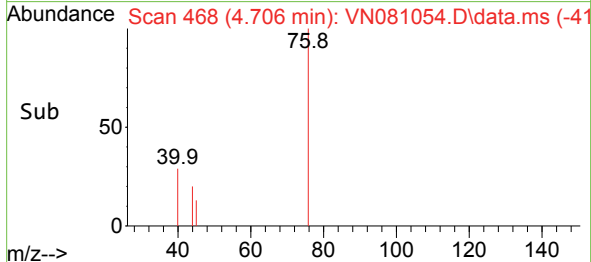
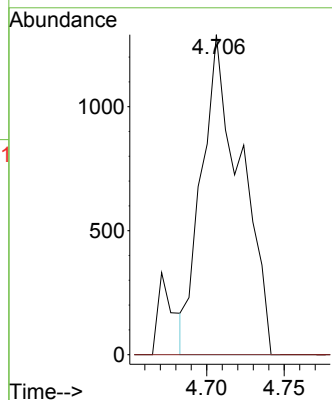
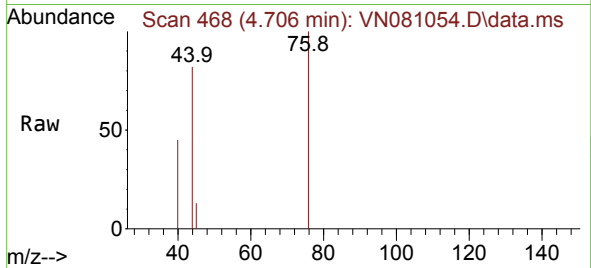




#17
Carbon Disulfide
Concen: 0.380 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

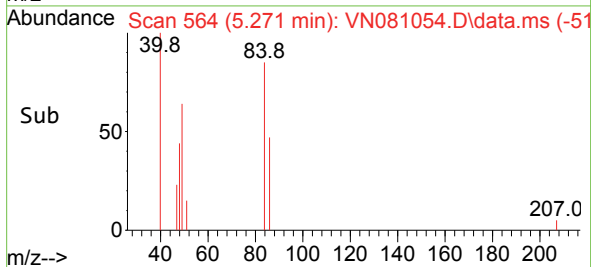
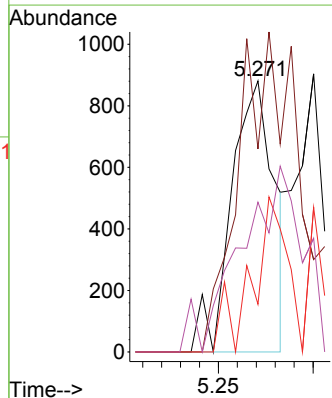
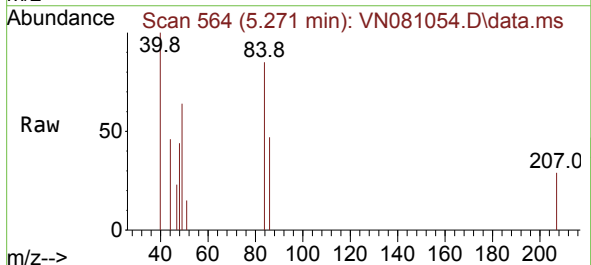
Instrument :
MSVOA_N
ClientSampleId :
IBLK

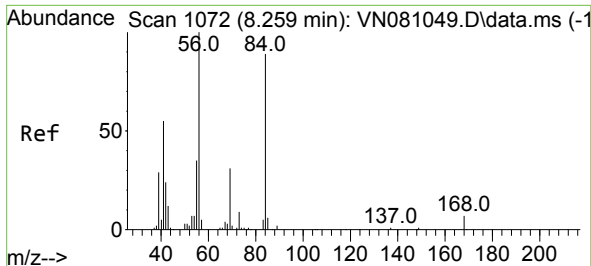
Tgt Ion: 76 Resp: 2265
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

Tgt Ion: 84 Resp: 1386
Ion Ratio Lower Upper
84 100
49 74.9 108.1 162.1#
51 17.6 32.9 49.3#
86 55.3 48.6 73.0

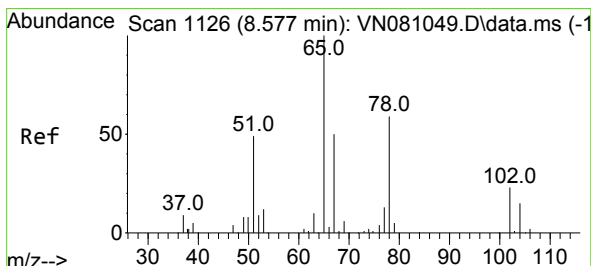
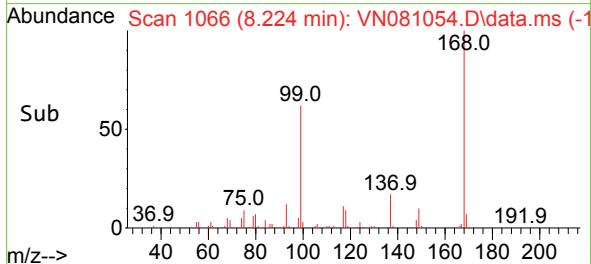
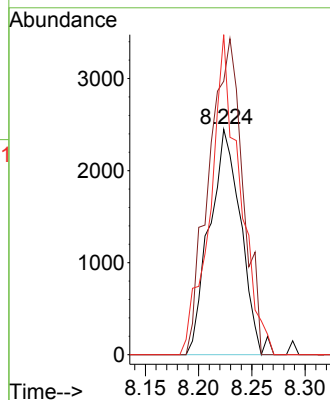
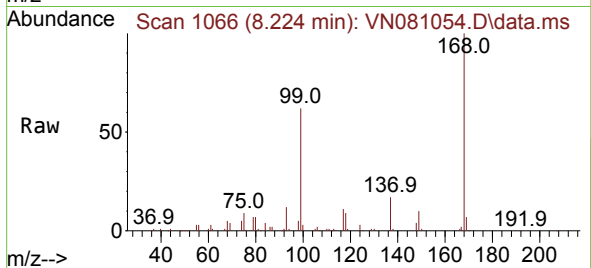




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

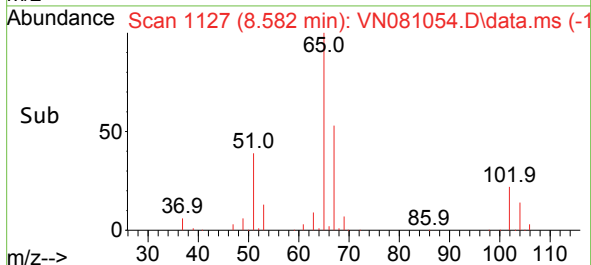
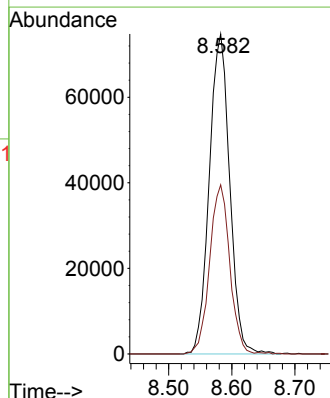
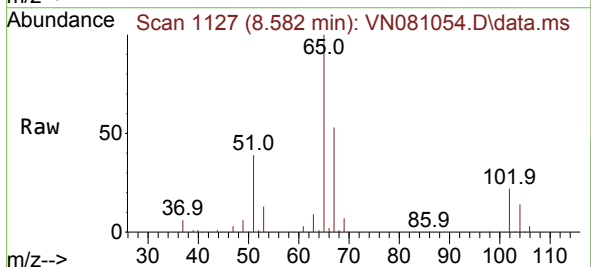
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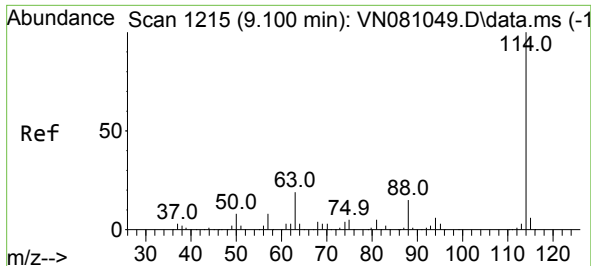
Tgt Ion: 56 Resp: 5012
Ion Ratio Lower Upper
56 100
69 121.3 20.1 30.1#
84 141.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 72.592 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

Tgt Ion: 65 Resp: 167992
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4

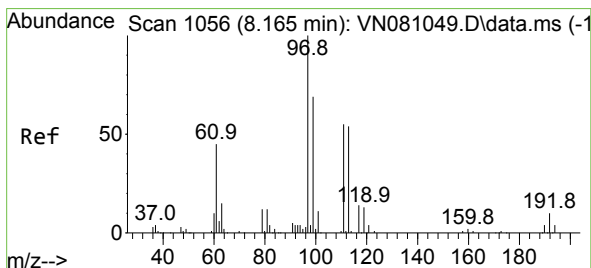
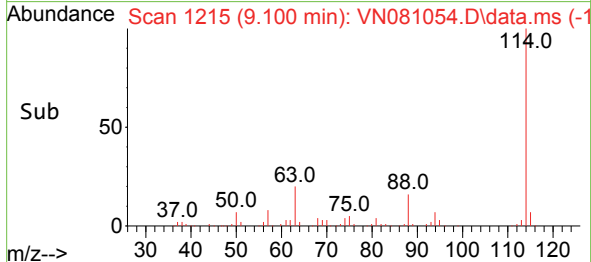
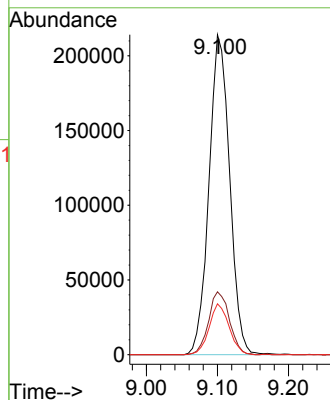
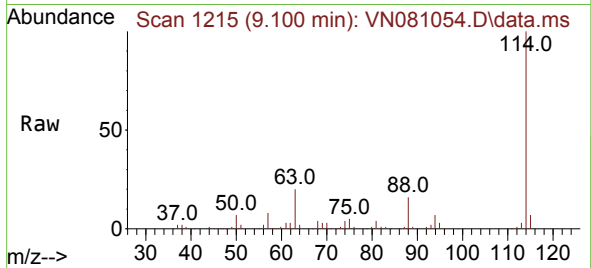




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

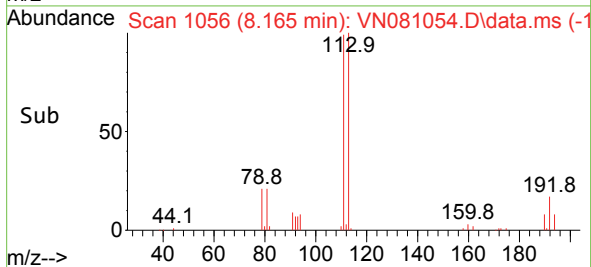
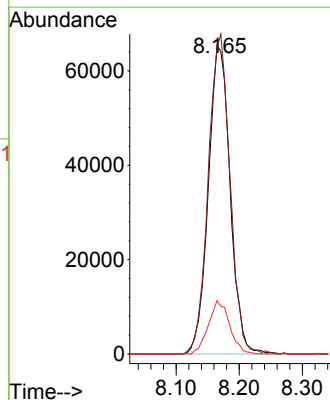
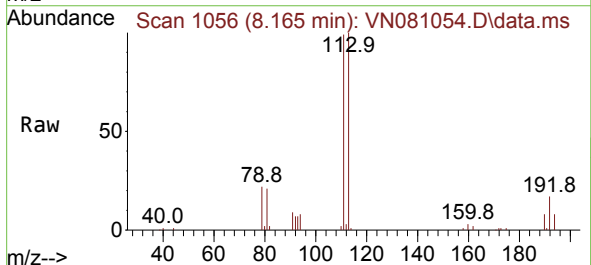
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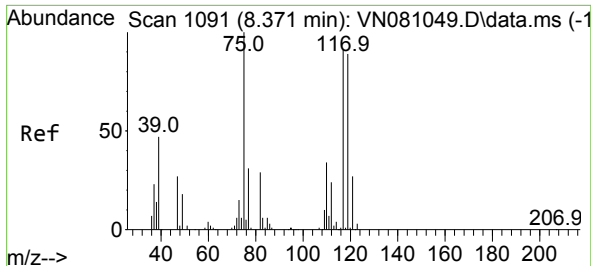
Tgt Ion:114 Resp: 433355
Ion Ratio Lower Upper
114 100
63 19.7 0.0 48.0
88 15.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 63.935 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

Tgt Ion:113 Resp: 156672
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 16.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 3.748 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081054.D

Acq: 16 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

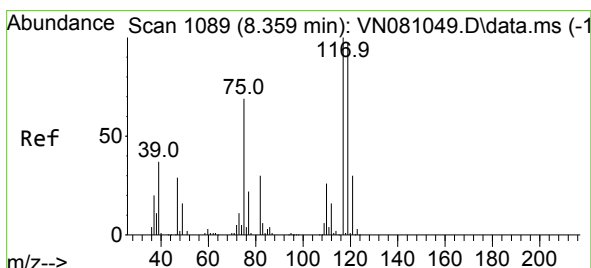
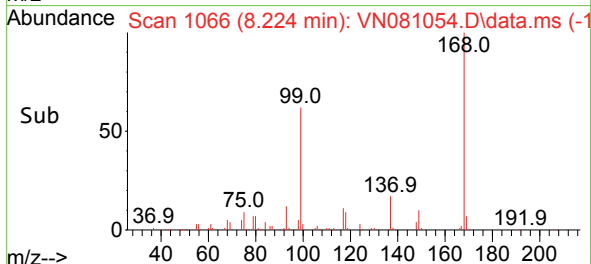
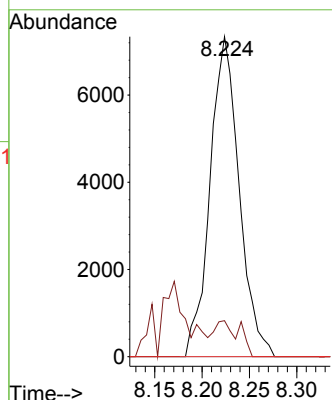
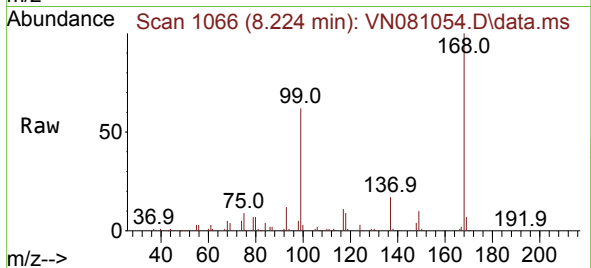
Tgt Ion: 75 Resp: 15735

Ion Ratio Lower Upper

75 100

110 9.7 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 4.915 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081054.D

Acq: 16 Feb 2024 14:29

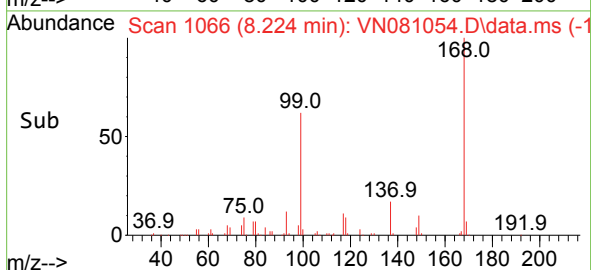
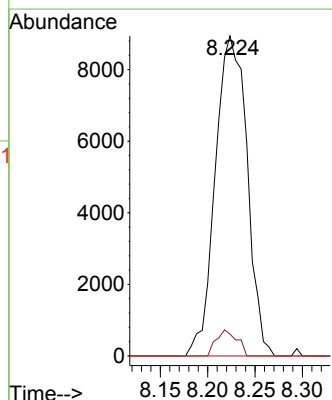
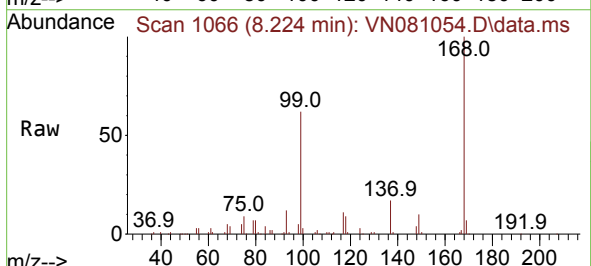
Tgt Ion: 117 Resp: 20876

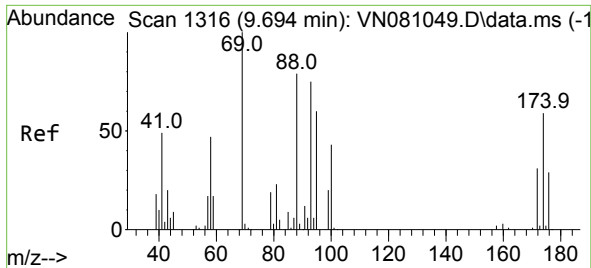
Ion Ratio Lower Upper

117 100

119 6.8 73.4 110.2#

121 0.0 24.4 36.6#

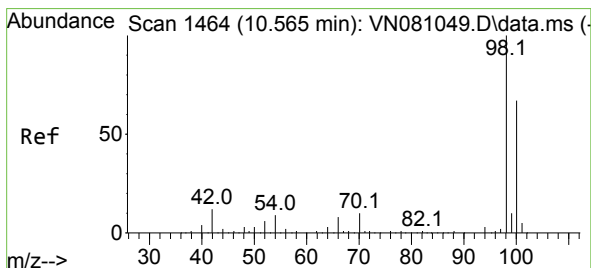
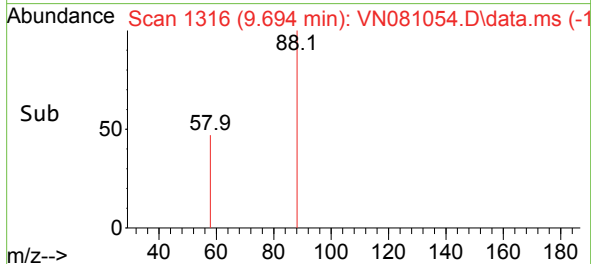
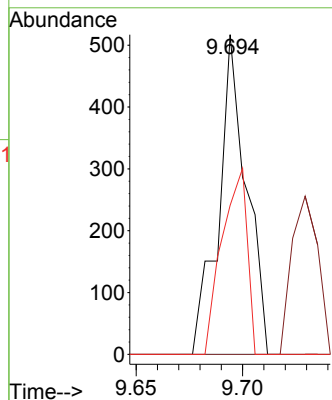
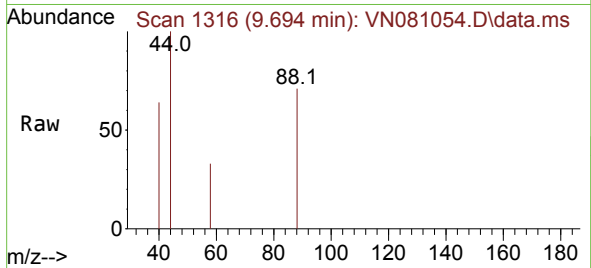




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

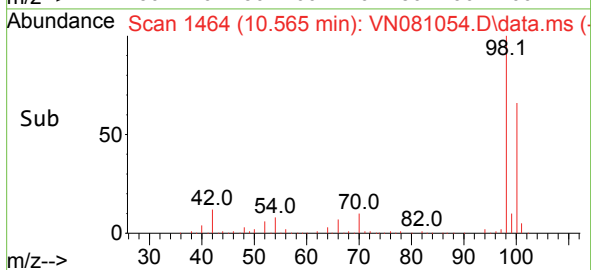
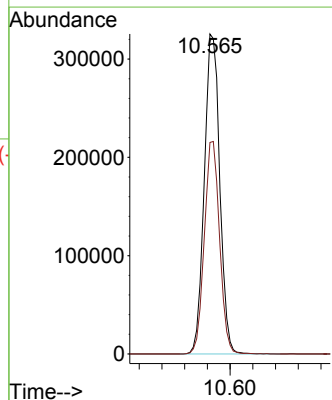
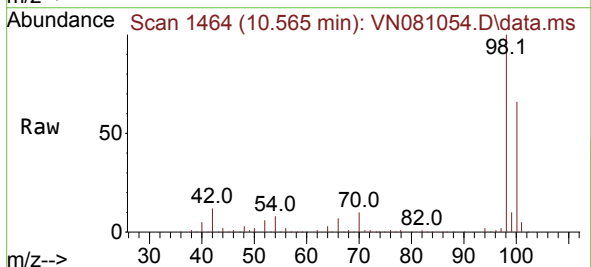
Instrument :
MSVOA_N
ClientSampleId :
IBLK

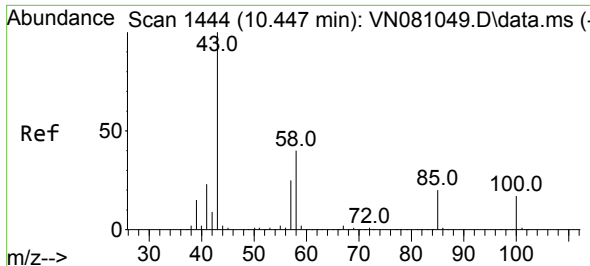
Tgt Ion: 88 Resp: 470
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 52.6 63.9 95.9#



#50
Toluene-d8
Concen: 70.406 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

Tgt Ion: 98 Resp: 612778
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0

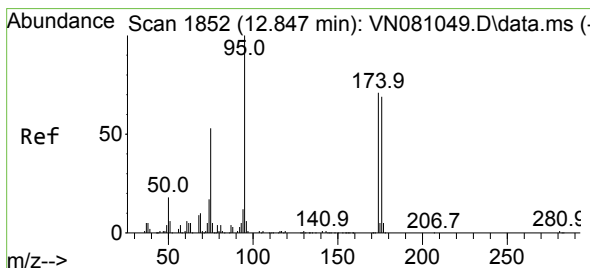
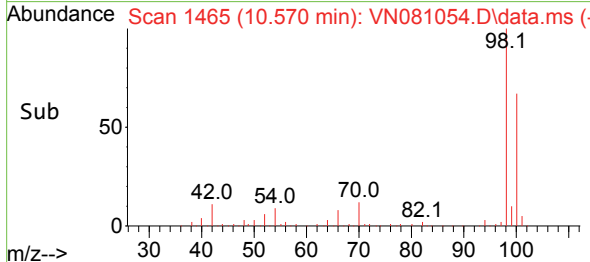
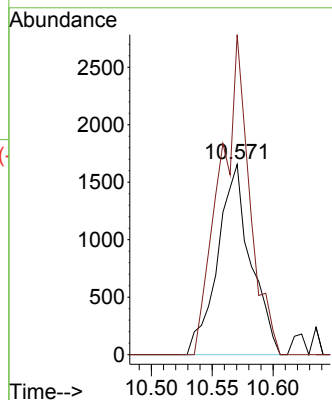
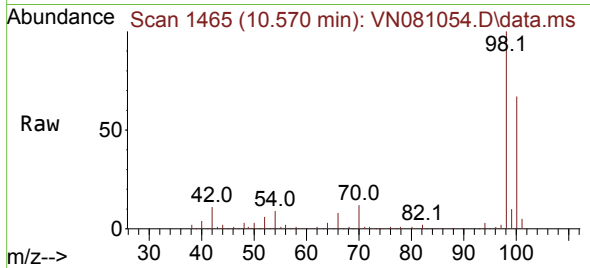




#51
4-Methyl-2-Pentanone
Concen: 0.821 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

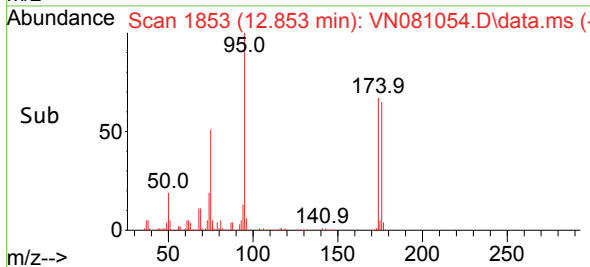
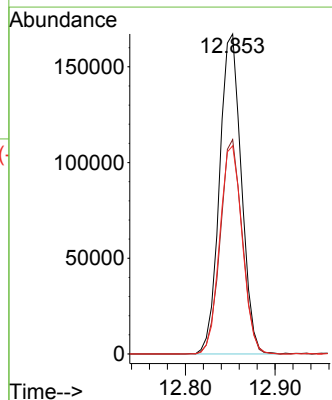
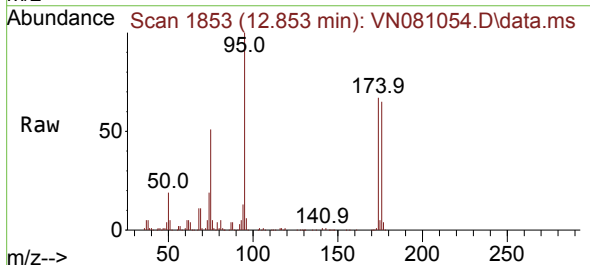
Instrument :
MSVOA_N
ClientSampleId :
IBLK

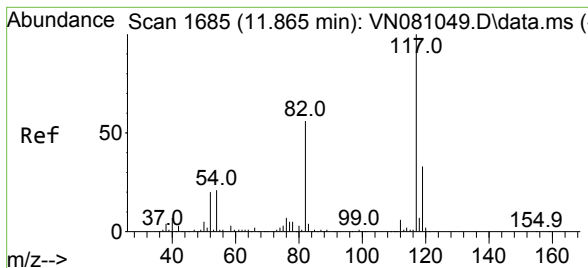
Tgt Ion: 43 Resp: 3130
Ion Ratio Lower Upper
43 100
58 149.9 29.4 44.0#



#62
4-Bromofluorobenzene
Concen: 86.371 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081054.D
Acq: 16 Feb 2024 14:29

Tgt Ion: 95 Resp: 282464
Ion Ratio Lower Upper
95 100
174 67.4 0.0 120.4
176 66.9 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081054.D

Acq: 16 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

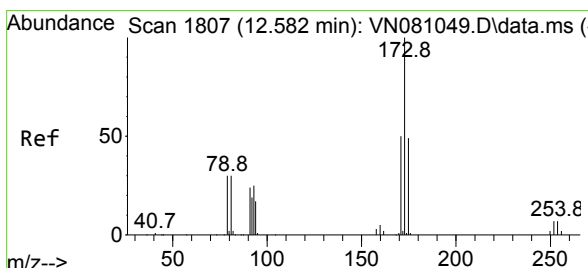
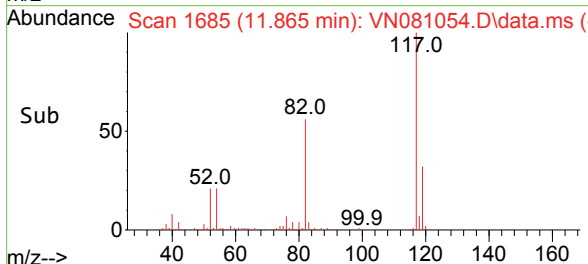
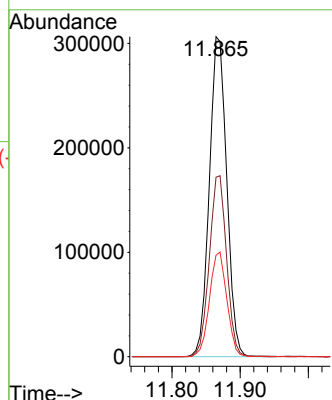
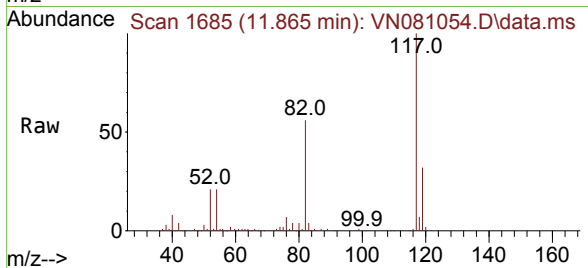
Tgt Ion:117 Resp: 543770

Ion Ratio Lower Upper

117 100

82 56.1 52.7 79.1

119 31.7 25.3 37.9



#71

Bromoform

Concen: 0.655 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.264 min

Lab File: VN081054.D

Acq: 16 Feb 2024 14:29

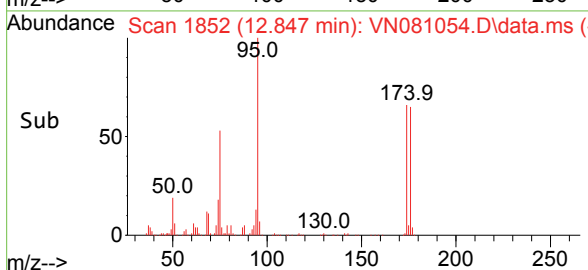
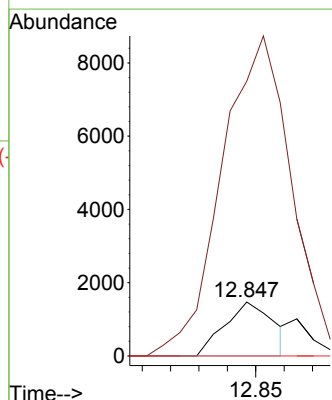
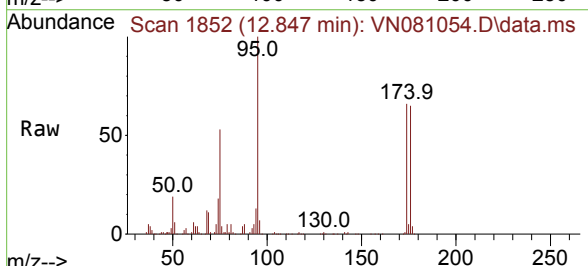
Tgt Ion:173 Resp: 1757

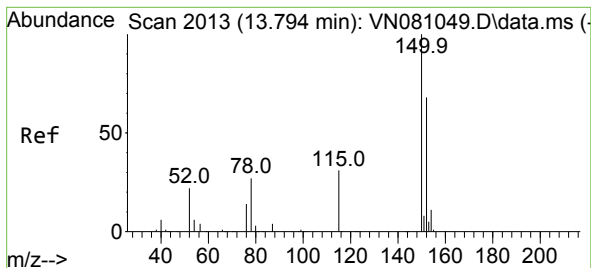
Ion Ratio Lower Upper

173 100

175 718.7 23.1 69.2#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081054.D

Acq: 16 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

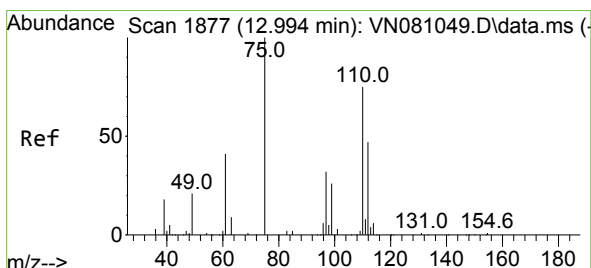
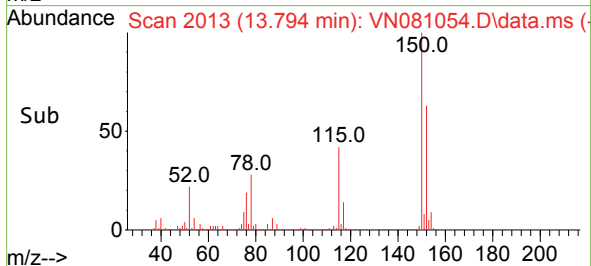
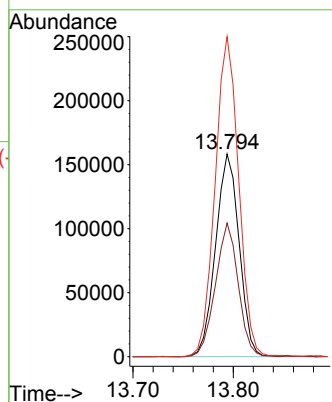
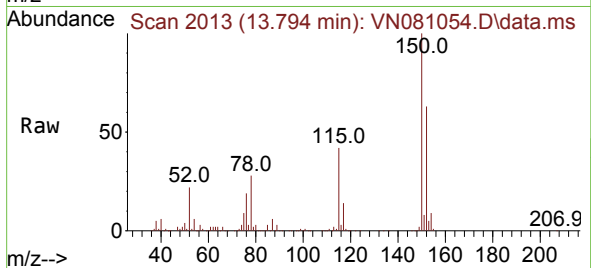
Tgt Ion:152 Resp: 257637

Ion Ratio Lower Upper

152 100

115 63.9 32.3 96.8

150 158.4 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 25.860 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081054.D

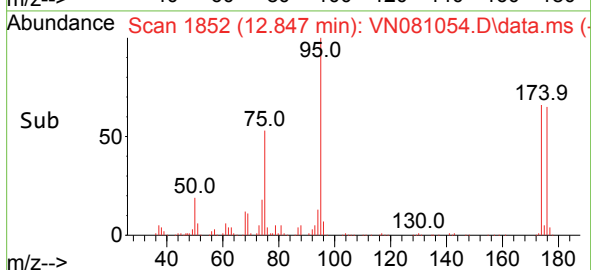
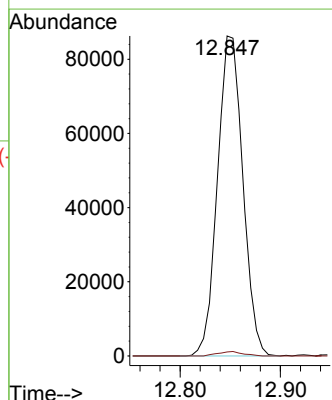
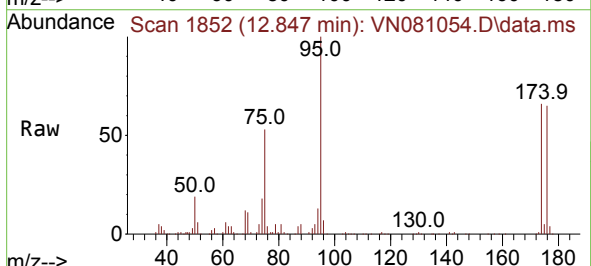
Acq: 16 Feb 2024 14:29

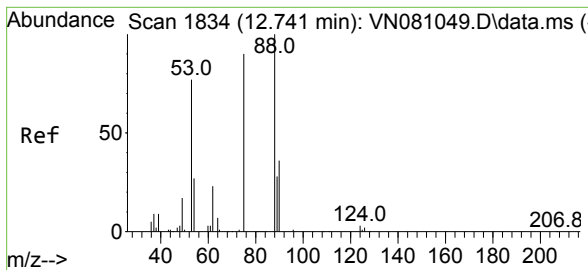
Tgt Ion: 75 Resp: 151376

Ion Ratio Lower Upper

75 100

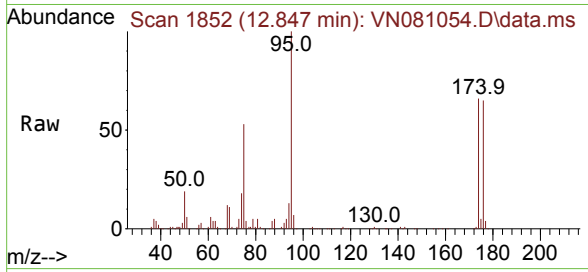
77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.561 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081054.D
 Acq: 16 Feb 2024 14:29

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion: 75 Resp: 151376
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

