

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081862.D
 Acq On : 25 Apr 2024 19:52
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 26 05:41:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

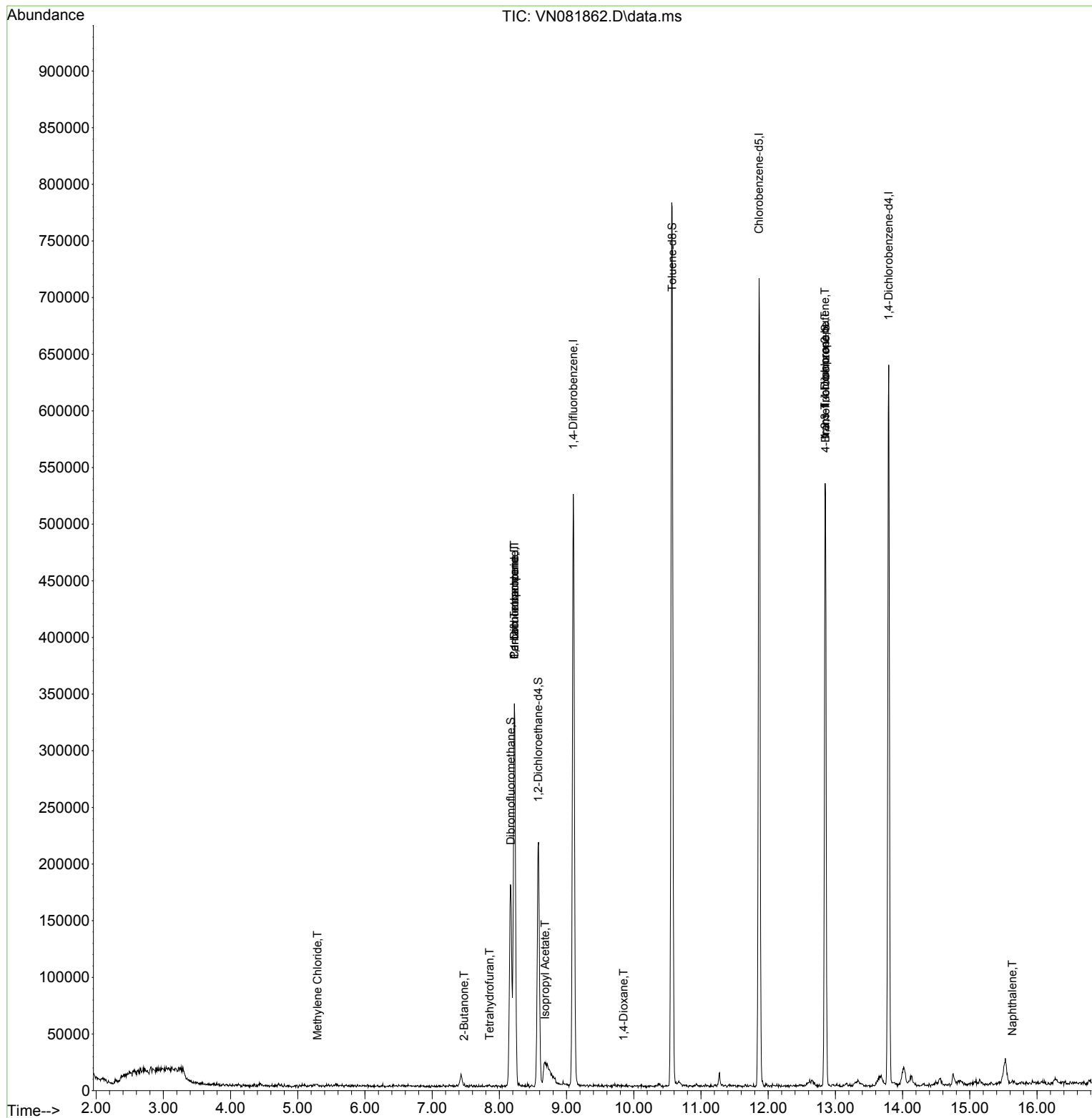
Internal Standards						
1) Pentafluorobenzene	8.224	168	232220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	434691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	177942	45.402	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.800%
35) Dibromofluoromethane	8.171	113	128890	49.247	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.500%
50) Toluene-d8	10.571	98	537853	52.326	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.660%
62) 4-Bromofluorobenzene	12.853	95	194269	47.811	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	95.620%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	933	Below Cal		84
13) Acrolein	4.177	56	163	Below Cal	#	15
16) Acetone	4.442	43	3525	Below Cal	#	43
20) Methylene Chloride	5.294	84	1174	0.350	ug/l #	62
25) 2-Butanone	7.477	43	521	0.234	ug/l #	43
29) Tetrahydrofuran	7.853	42	444	0.278	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	21668	5.089	ug/l #	50
38) Carbon Tetrachloride	8.224	117	25054	6.020	ug/l #	18
43) Isopropyl Acetate	8.682	43	17948	2.073	ug/l #	54
49) 1,4-Dioxane	9.847	88	110	1.751	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	112211	27.265	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	112211	55.870	ug/l #	12
95) Naphthalene	15.635	128	2409	0.216	ug/l #	80

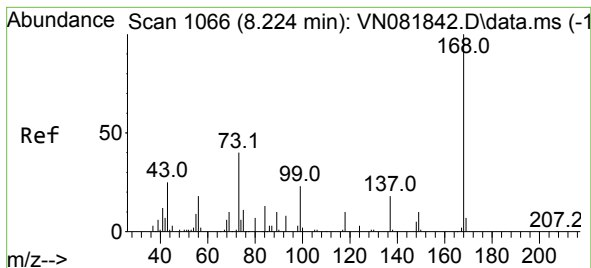
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN081862.D

Acq: 25 Apr 2024 19:52

Instrument :

MSVOA_N

ClientSampleId :

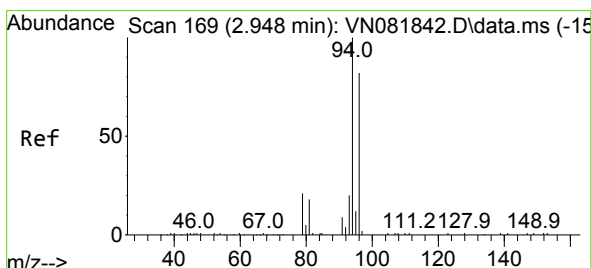
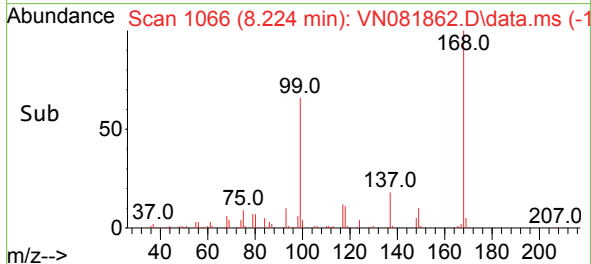
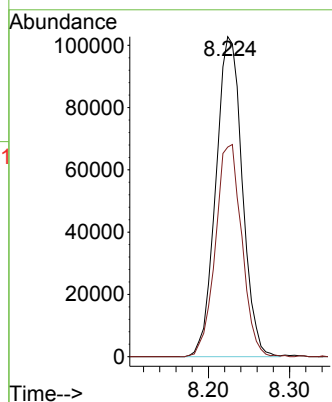
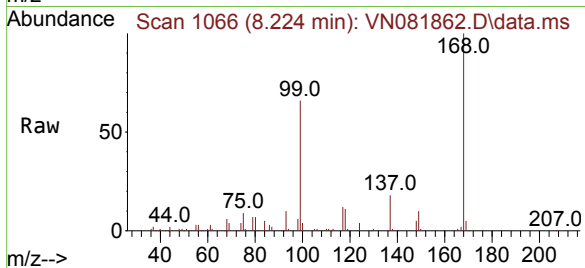
IBLK

Tgt Ion:168 Resp: 232220

Ion Ratio Lower Upper

168 100

99 65.5 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.977 min Scan# 174

Delta R.T. 0.029 min

Lab File: VN081862.D

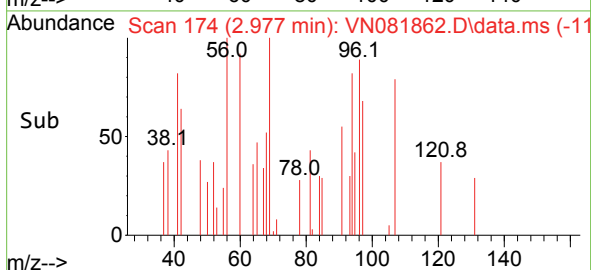
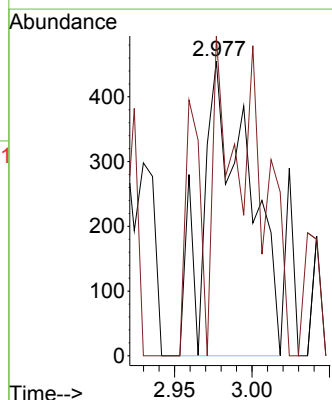
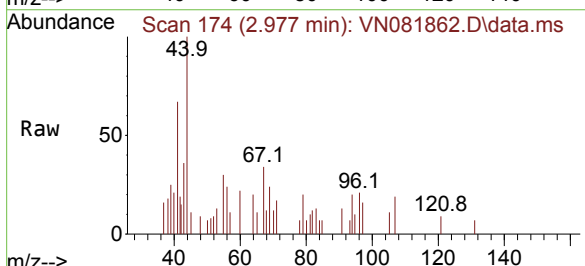
Acq: 25 Apr 2024 19:52

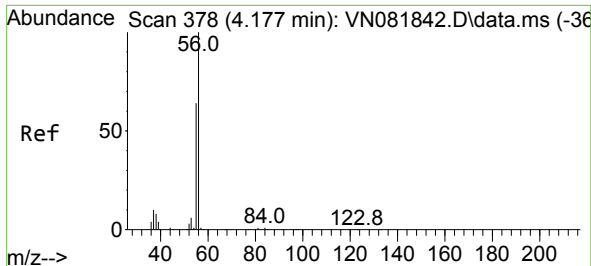
Tgt Ion: 94 Resp: 933

Ion Ratio Lower Upper

94 100

96 108.6 74.8 112.2





#13

Acrolein

Concen: Below Cal

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN081862.D

Acq: 25 Apr 2024 19:52

Instrument :

MSVOA_N

ClientSampleId :

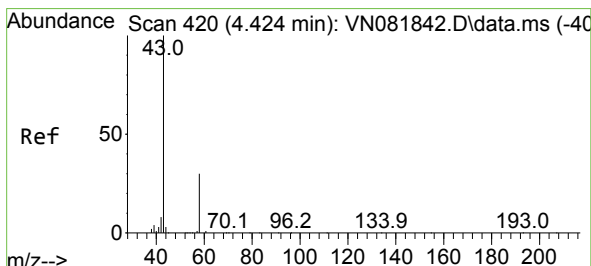
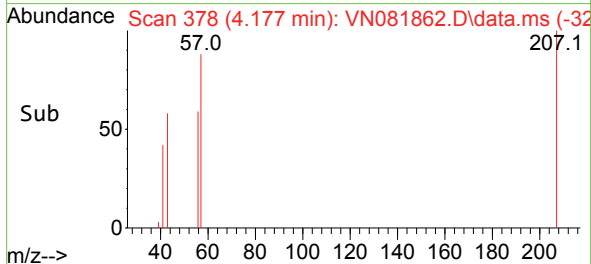
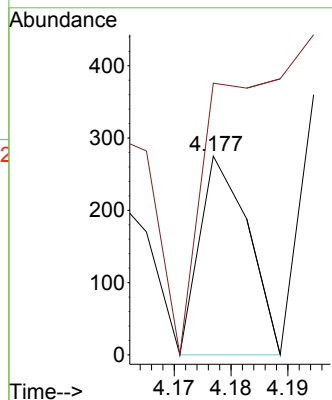
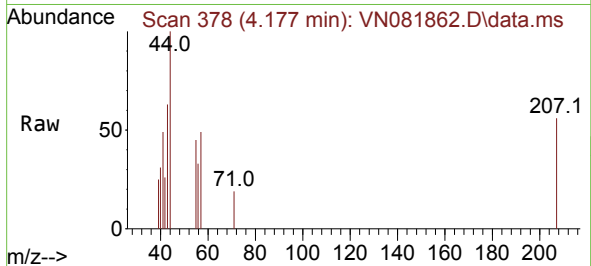
IBLK

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.442 min Scan# 423

Delta R.T. 0.018 min

Lab File: VN081862.D

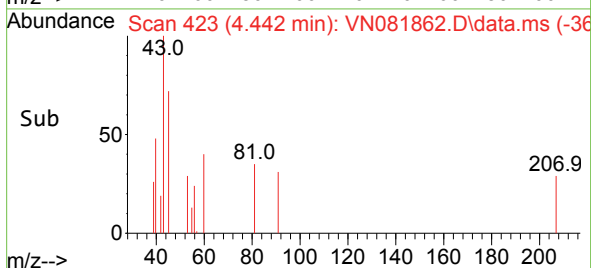
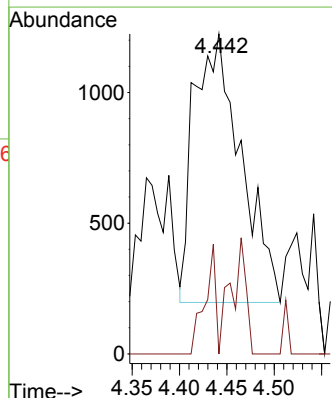
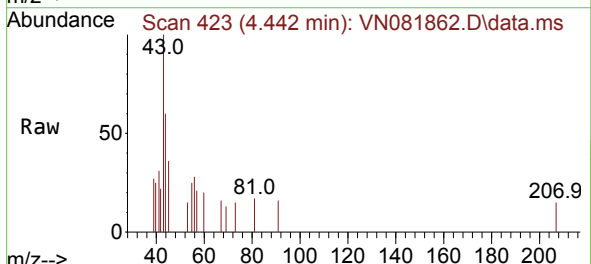
Acq: 25 Apr 2024 19:52

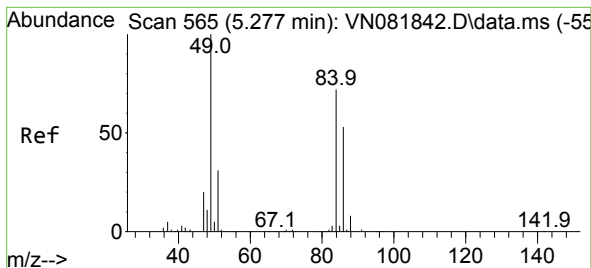
Tgt Ion: 43 Resp: 3525

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#





#20

Methylene Chloride

Concen: 0.350 ug/l

RT: 5.294 min Scan# 5

Delta R.T. 0.018 min

Lab File: VN081862.D

Acq: 25 Apr 2024 19:52

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 1174

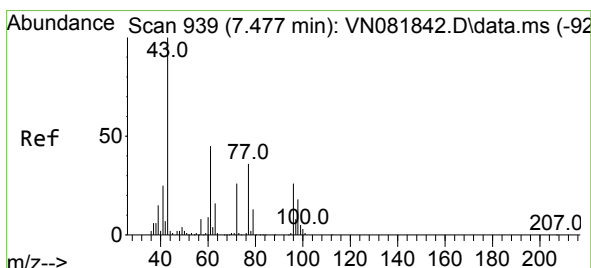
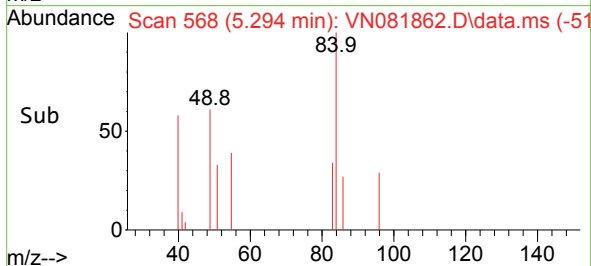
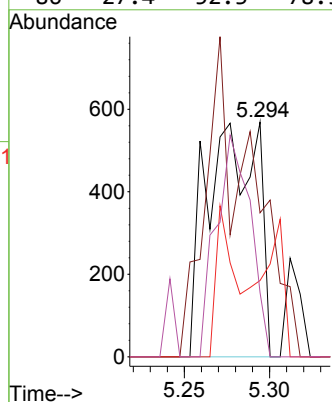
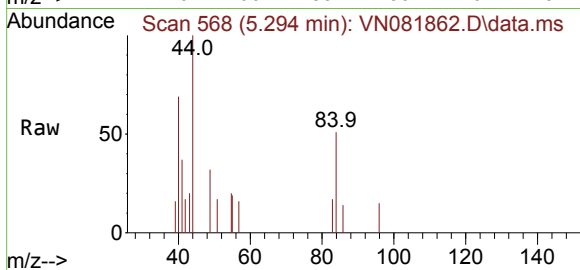
Ion Ratio Lower Upper

84 100

49 61.3 84.9 127.3#

51 32.5 27.0 40.6

86 27.4 52.3 78.5#



#25

2-Butanone

Concen: 0.234 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN081862.D

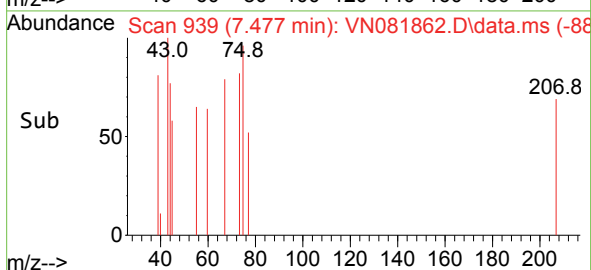
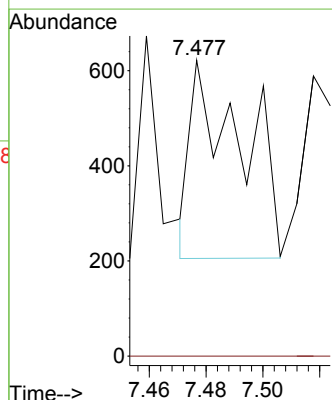
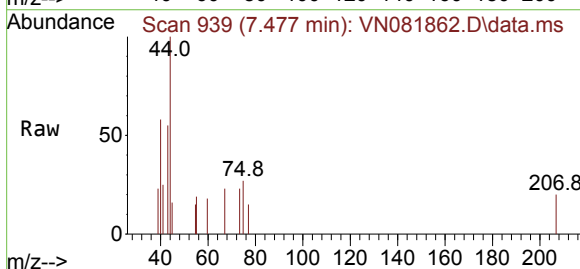
Acq: 25 Apr 2024 19:52

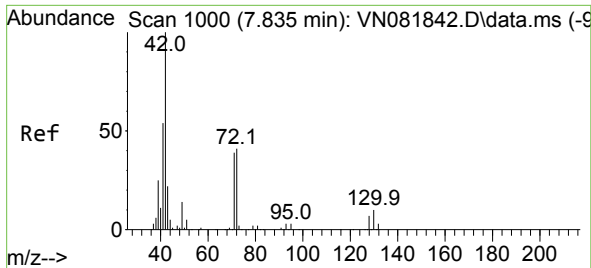
Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

72 0.0 25.3 37.9#

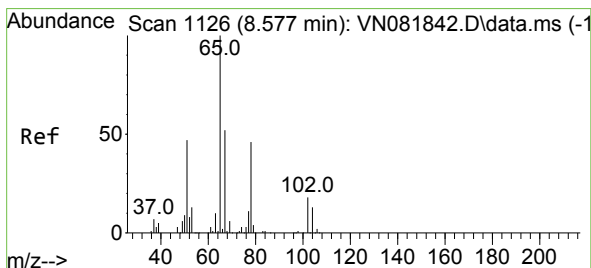
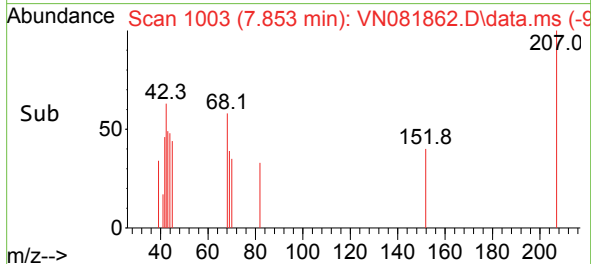
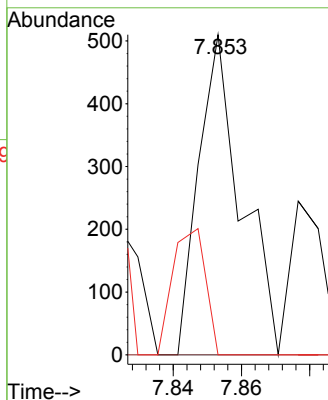
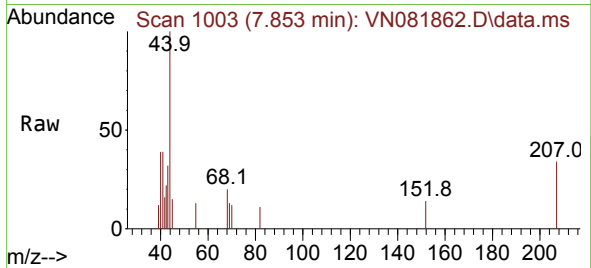




#29
Tetrahydrofuran
Concen: 0.278 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

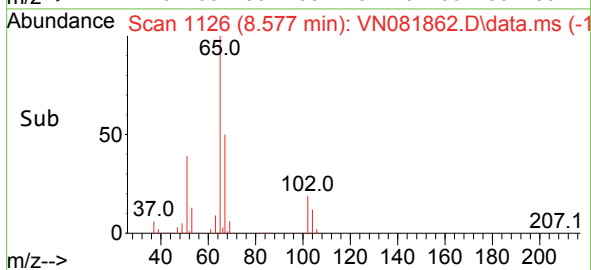
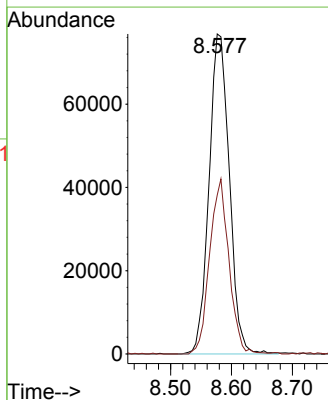
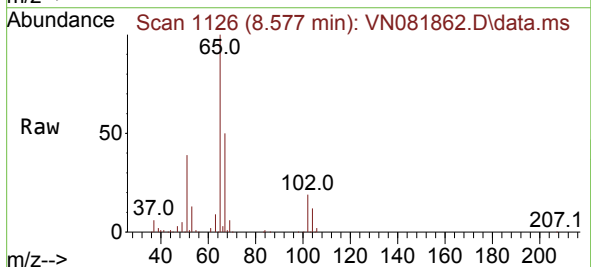
Instrument :
MSVOA_N
ClientSampleId :
IBLK

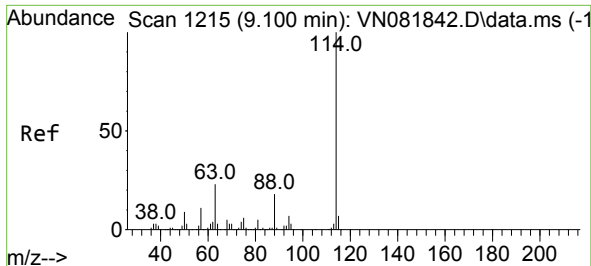
Tgt Ion: 42 Resp: 444
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 30.2 37.4 56.0#



#33
1,2-Dichloroethane-d4
Concen: 45.402 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

Tgt Ion: 65 Resp: 177942
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081862.D

Acq: 25 Apr 2024 19:52

Instrument :

MSVOA_N

ClientSampleId :

IBLK

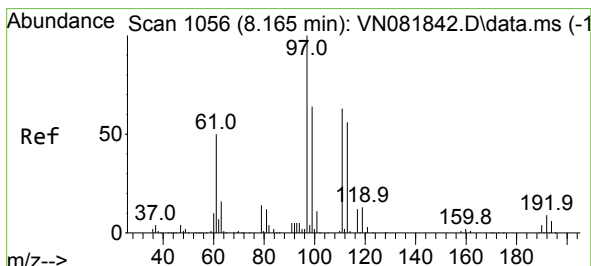
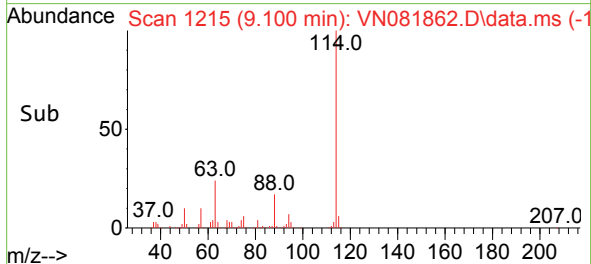
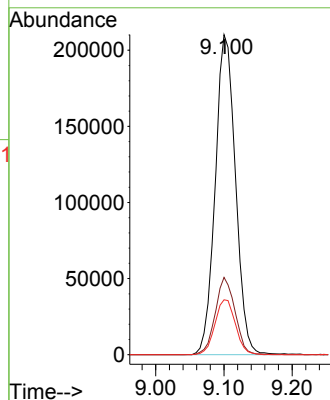
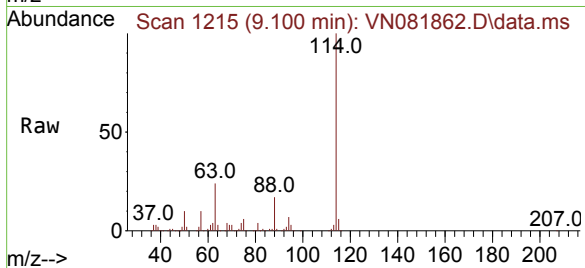
Tgt Ion:114 Resp: 434691

Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 17.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.247 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081862.D

Acq: 25 Apr 2024 19:52

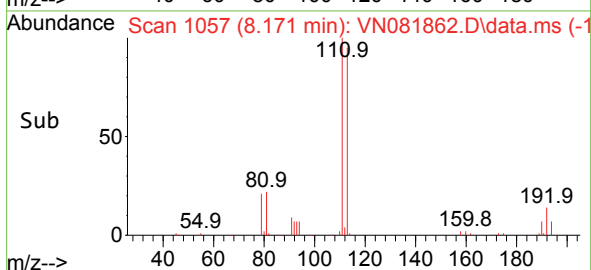
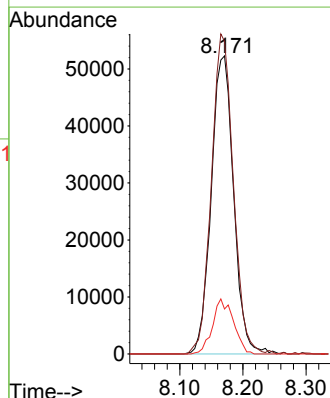
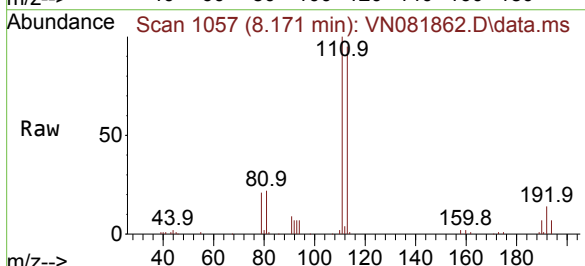
Tgt Ion:113 Resp: 128890

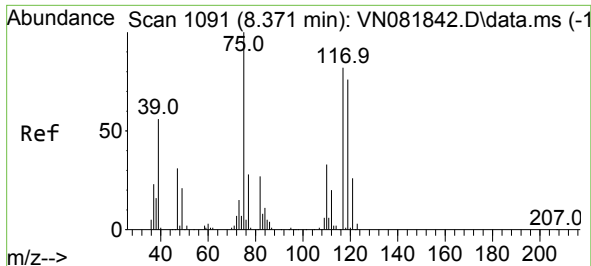
Ion Ratio Lower Upper

113 100

111 104.9 83.4 125.2

192 17.3 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.089 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081862.D

Acq: 25 Apr 2024 19:52

Instrument :

MSVOA_N

ClientSampleId :

IBLK

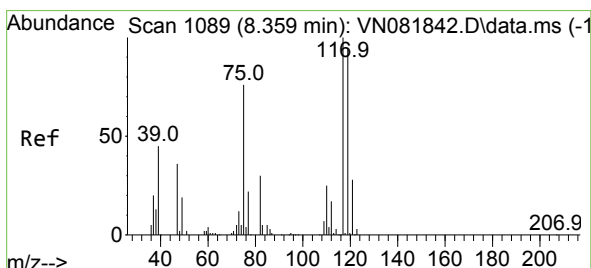
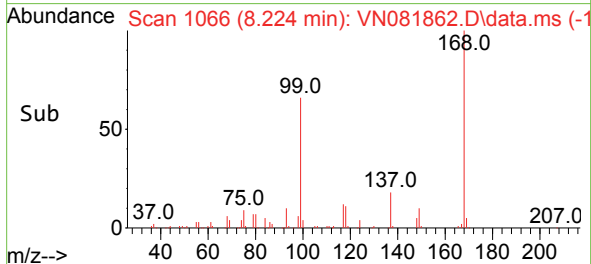
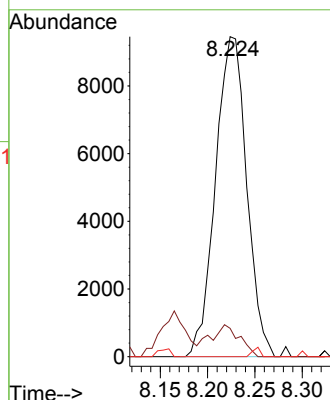
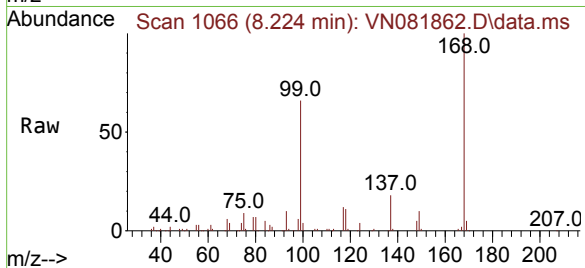
Tgt Ion: 75 Resp: 21668

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.020 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081862.D

Acq: 25 Apr 2024 19:52

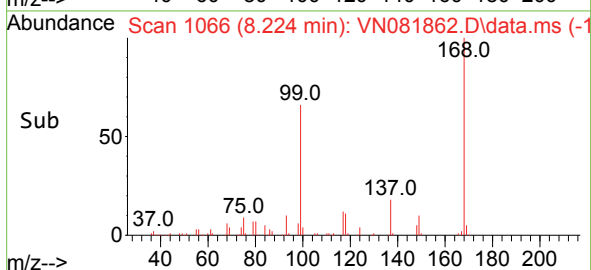
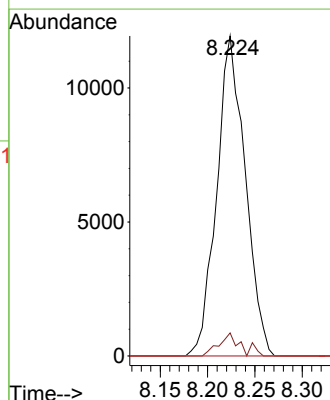
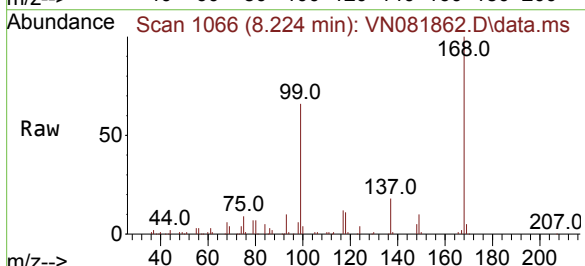
Tgt Ion: 117 Resp: 25054

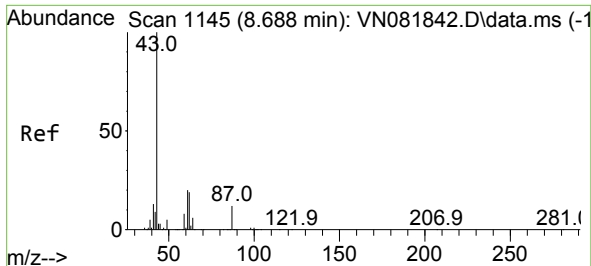
Ion Ratio Lower Upper

117 100

119 7.2 76.5 114.7#

121 0.0 23.9 35.9#

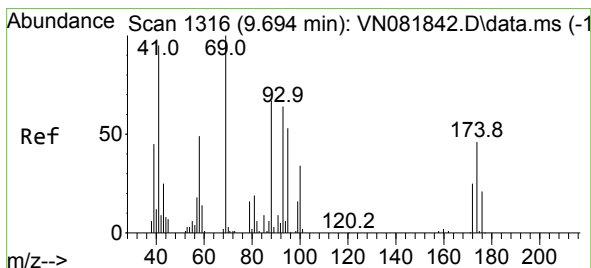
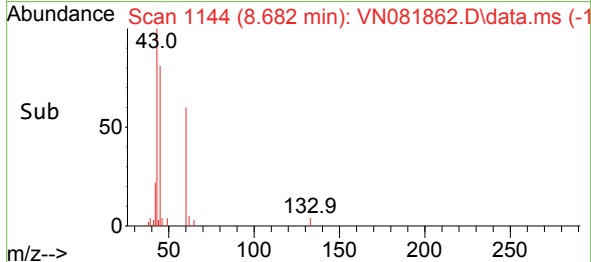
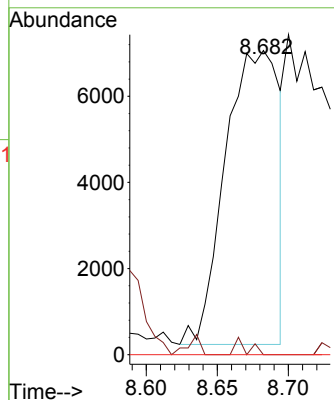
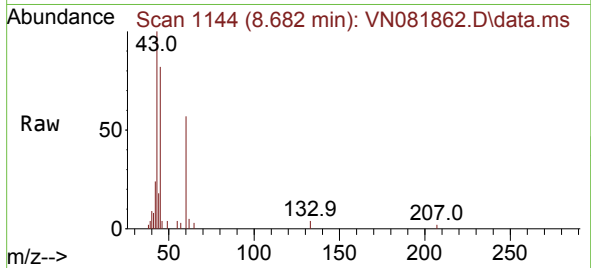




#43
Isopropyl Acetate
Concen: 2.073 ug/l
RT: 8.682 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

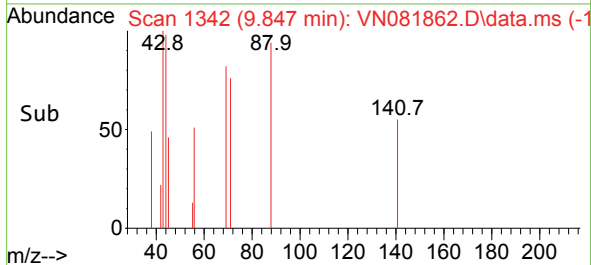
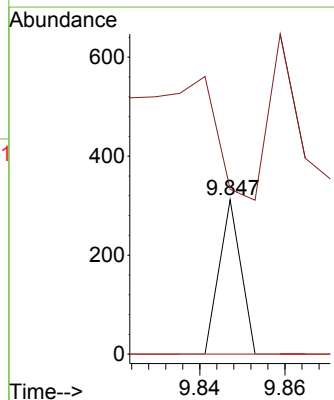
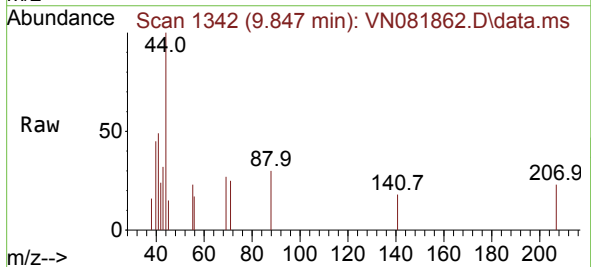
Instrument :
MSVOA_N
ClientSampleId :
IBLK

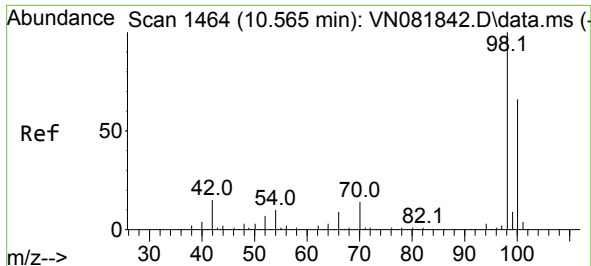
Tgt Ion: 43 Resp: 17948
Ion Ratio Lower Upper
43 100
61 1.3 22.8 34.2#
87 0.0 12.0 18.0#



#49
1,4-Dioxane
Concen: 1.751 ug/l
RT: 9.847 min Scan# 1342
Delta R.T. 0.153 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 366.4 19.0 28.6#
58 0.0 50.6 76.0#

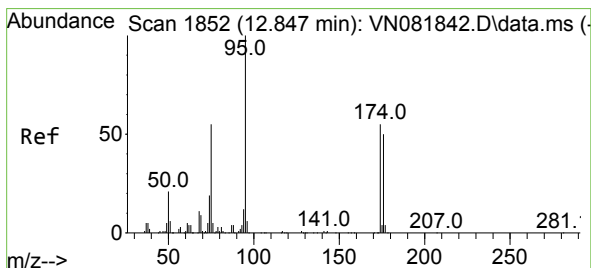
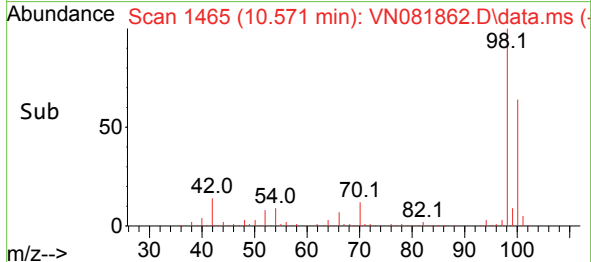
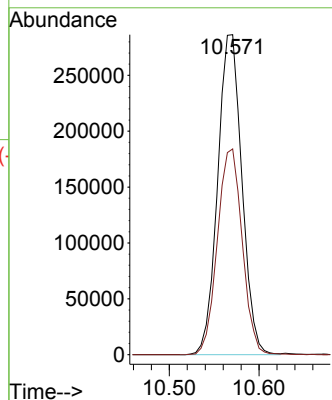
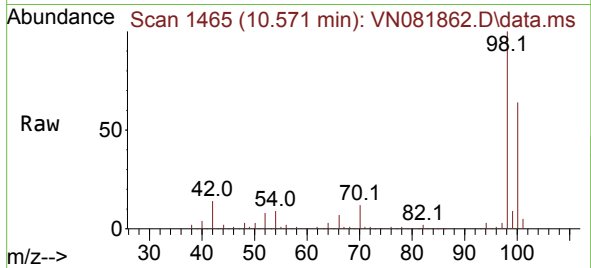




#50
Toluene-d8
Concen: 52.326 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

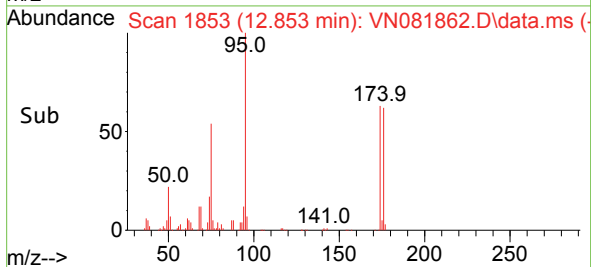
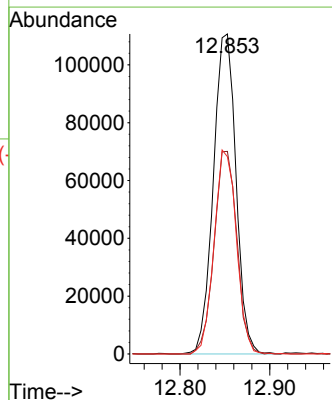
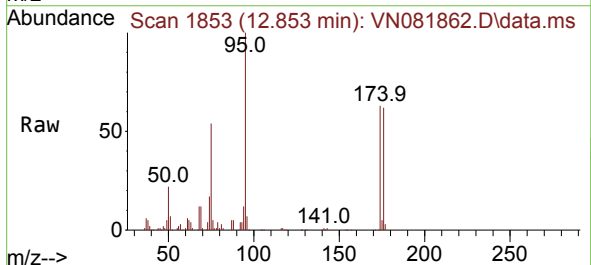
Instrument :
MSVOA_N
ClientSampleId :
IBLK

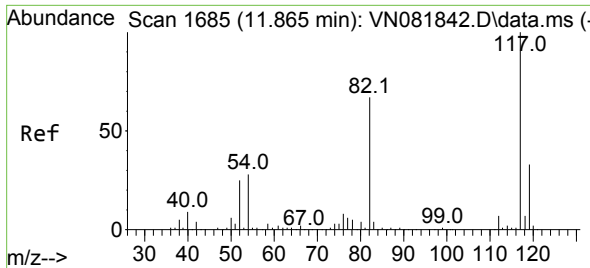
Tgt Ion: 98 Resp: 537853
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 47.811 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

Tgt Ion: 95 Resp: 194269
Ion Ratio Lower Upper
95 100
174 63.4 0.0 160.6
176 62.7 0.0 152.8

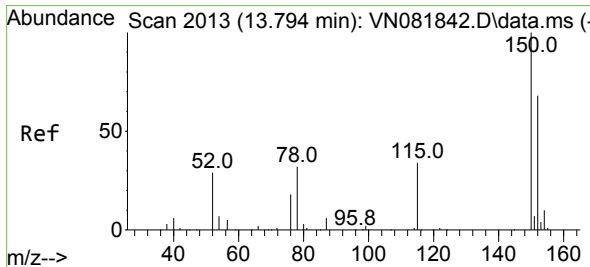
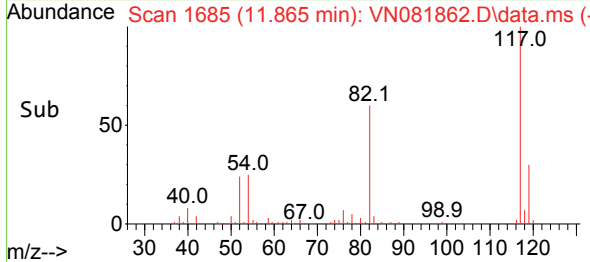
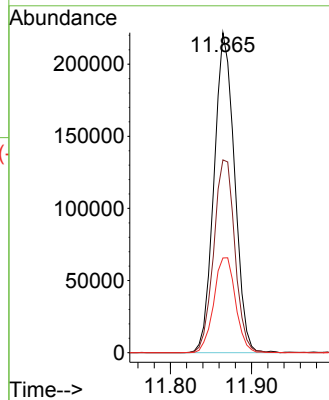
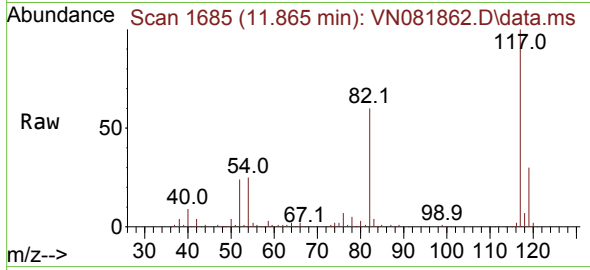




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

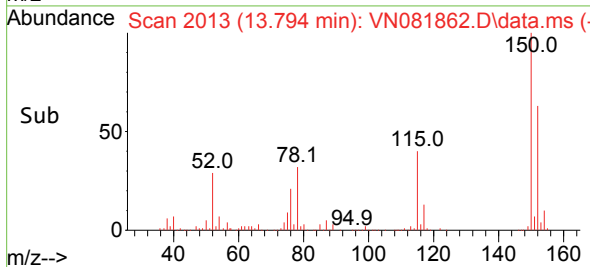
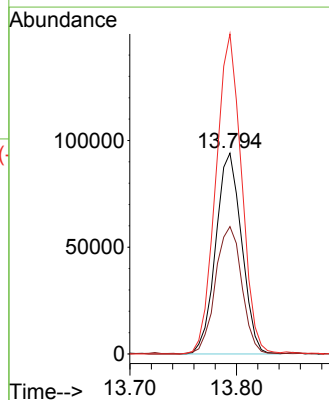
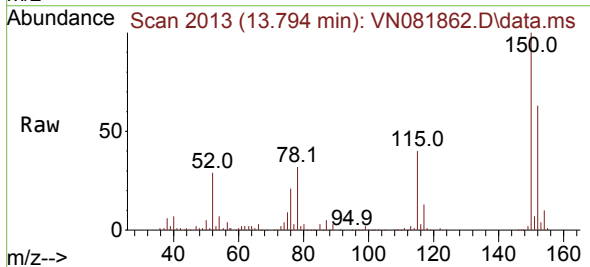
Instrument :
MSVOA_N
ClientSampleId :
IBLK

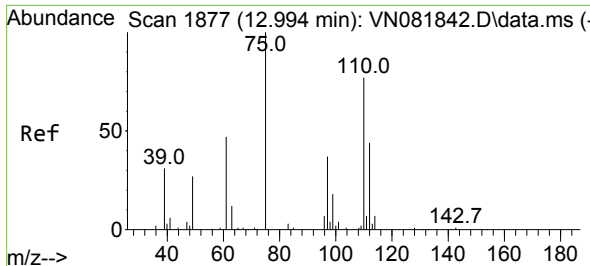
Tgt Ion:117 Resp: 389565
Ion Ratio Lower Upper
117 100
82 60.3 44.6 66.8
119 29.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

Tgt Ion:152 Resp: 158731
Ion Ratio Lower Upper
152 100
115 64.8 30.4 91.3
150 158.2 0.0 353.2

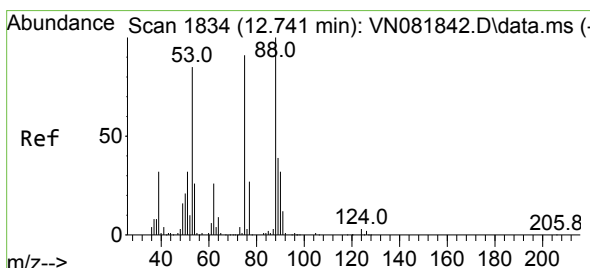
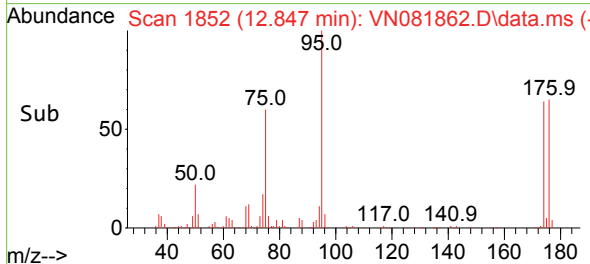
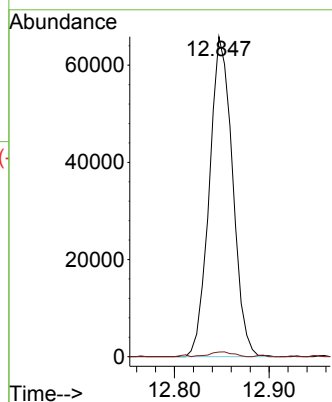
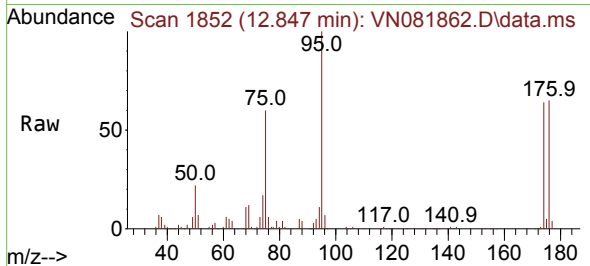




#76
1,2,3-Trichloropropane
Concen: 27.265 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

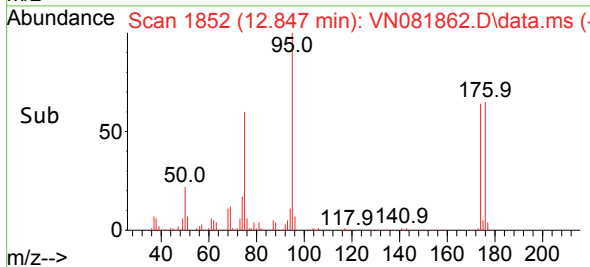
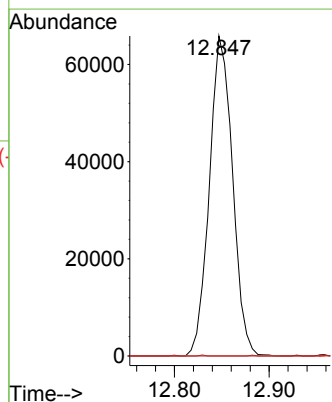
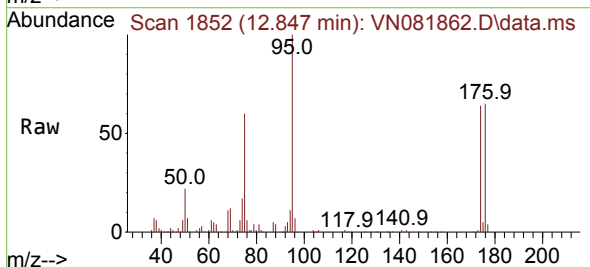
Instrument :
MSVOA_N
ClientSampleId :
IBLK

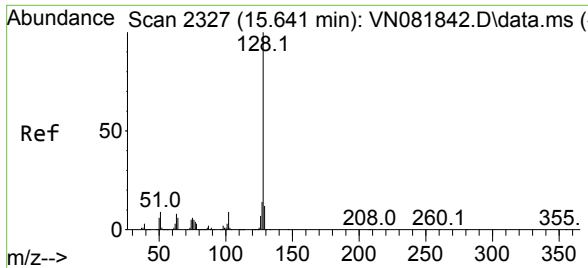
Tgt Ion: 75 Resp: 112211
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.870 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

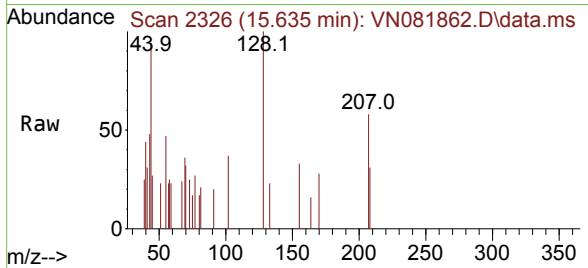
Tgt Ion: 75 Resp: 112211
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#





#95
Naphthalene
Concen: 0.216 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081862.D
Acq: 25 Apr 2024 19:52

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:	128	Resp:	2409
Ion	Ratio	Lower	Upper
128	100		
127	5.1	10.1	15.1#
129	2.7	8.9	13.3#

