

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020224\
 Data File : VN080886.D
 Acq On : 02 Feb 2024 20:15
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 02 23:57:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

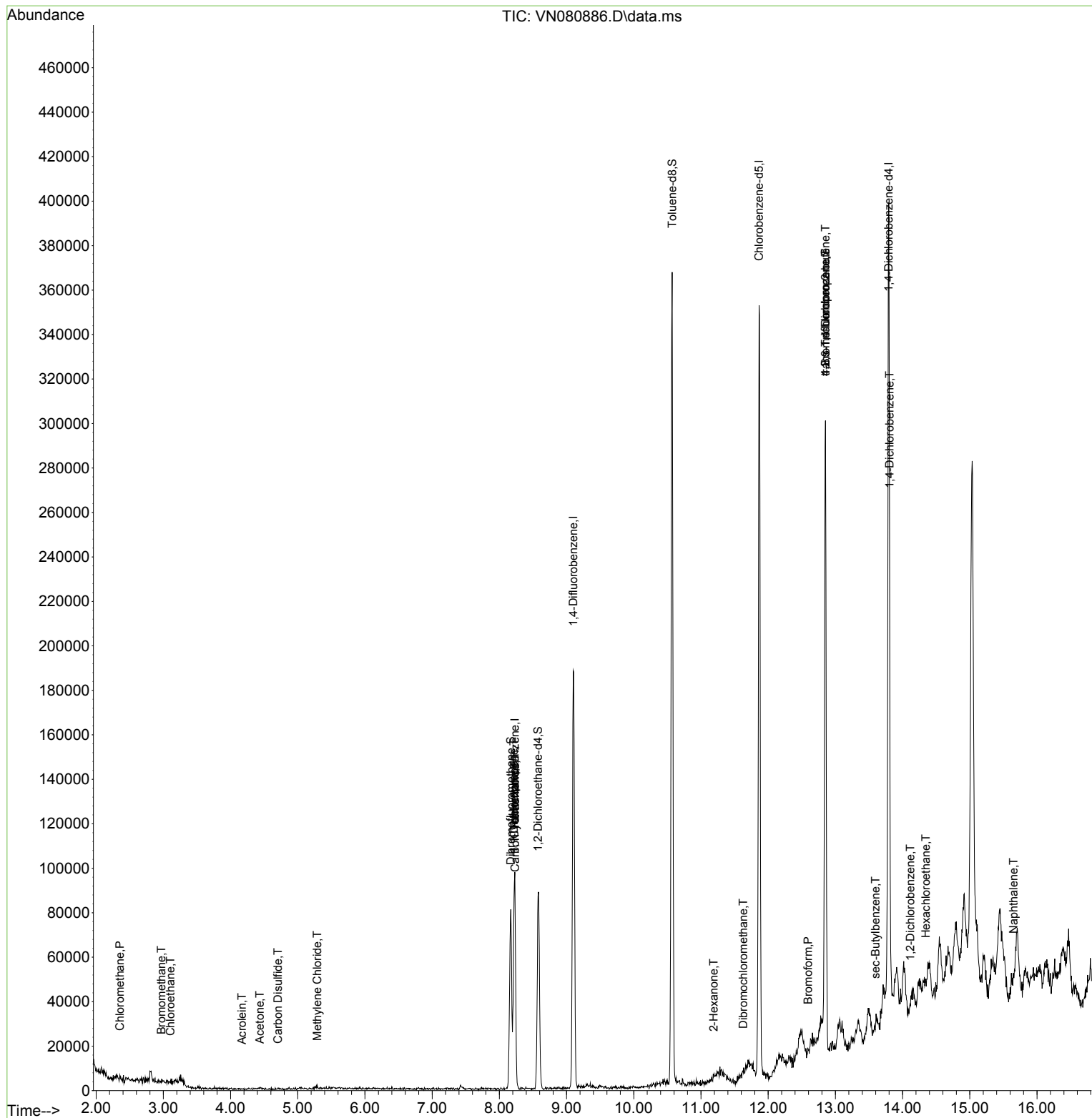
Internal Standards						
1) Pentafluorobenzene	8.229	168	59244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	152265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	176371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	69595	67.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	135.800%#
35) Dibromofluoromethane	8.171	113	53691	57.635	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	115.280%
50) Toluene-d8	10.570	98	227553	62.410	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	124.820%#
62) 4-Bromofluorobenzene	12.853	95	94763	74.584	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	149.160%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	1375	1.040	ug/l #	80
5) Bromomethane	2.971	94	120	0.298	ug/l #	58
6) Chloroethane	3.106	64	148	0.276	ug/l #	42
13) Acrolein	4.171	56	67	0.318	ug/l #	15
16) Acetone	4.436	43	256	0.689	ug/l #	44
17) Carbon Disulfide	4.706	76	519	0.200	ug/l #	78
20) Methylene Chloride	5.288	84	349	0.358	ug/l #	16
31) Cyclohexane	8.224	56	2350	1.337	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	7470	4.314	ug/l #	44
38) Carbon Tetrachloride	8.235	117	7541	5.405	ug/l #	14
59) 2-Hexanone	11.188	43	462	0.328	ug/l #	26
60) Dibromochloromethane	11.629	129	402	0.385	ug/l	71
71) Bromoform	12.594	173	244	0.288	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	55602	23.178	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	55602	59.710	ug/l #	14
85) sec-Butylbenzene	13.600	105	2089	0.306	ug/l	91
88) 1,4-Dichlorobenzene	13.806	146	604	0.216	ug/l #	1
90) Hexachloroethane	14.347	117	497	0.535	ug/l #	21
91) 1,2-Dichlorobenzene	14.117	146	511	0.200	ug/l #	48
95) Naphthalene	15.653	128	2130	0.424	ug/l #	70

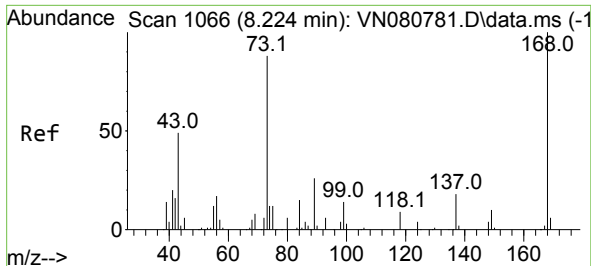
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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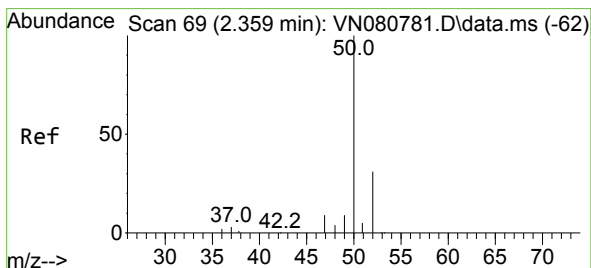
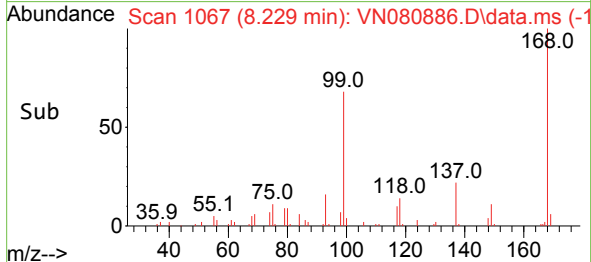
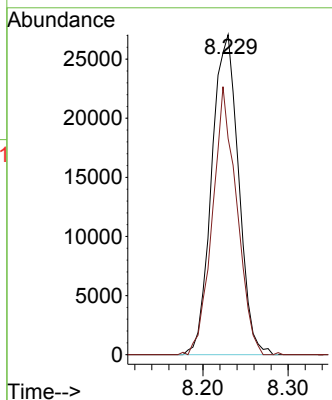
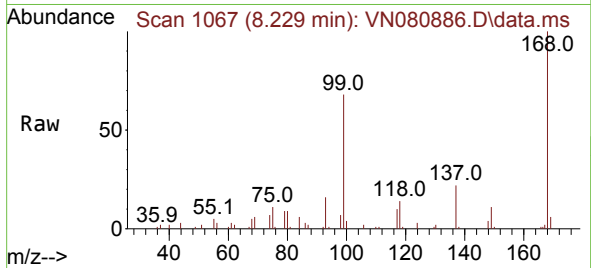




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

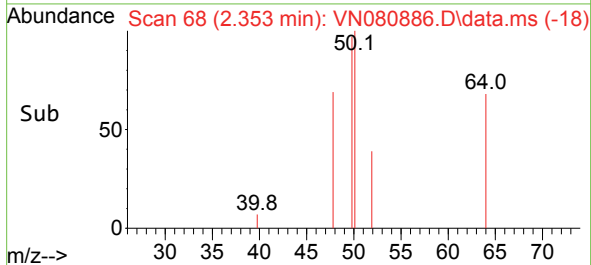
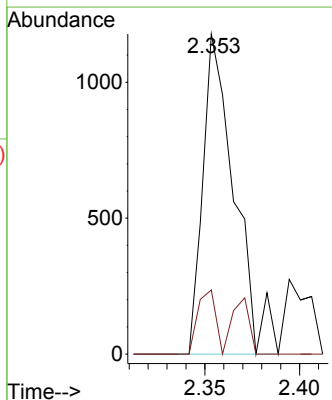
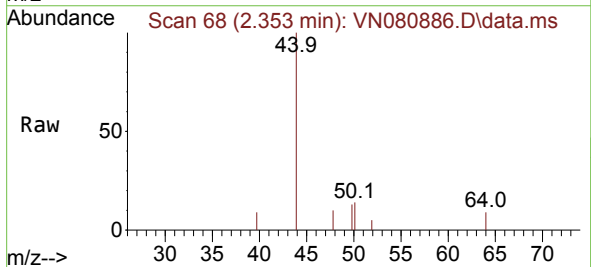
Instrument :
MSVOA_N
ClientSampleId :
IBLK

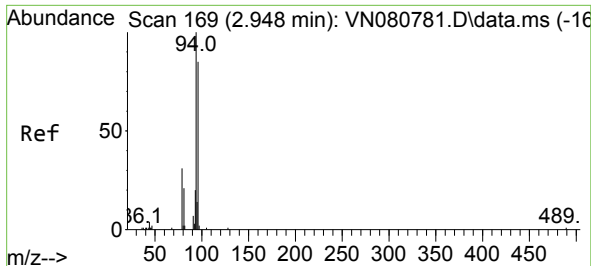
Tgt Ion:168 Resp: 59244
Ion Ratio Lower Upper
168 100
99 67.6 59.9 89.9



#3
Chloromethane
Concen: 1.040 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Tgt Ion: 50 Resp: 1375
Ion Ratio Lower Upper
50 100
52 20.0 25.0 37.4#

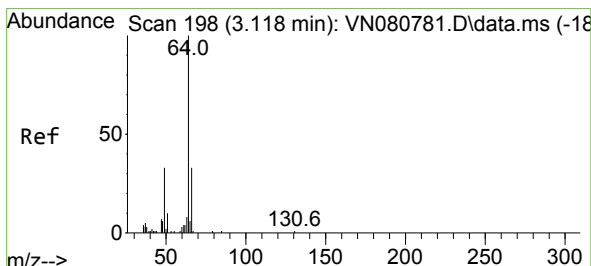
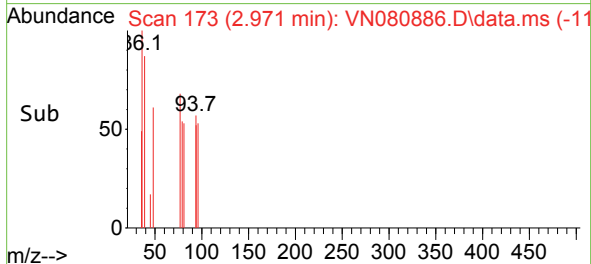
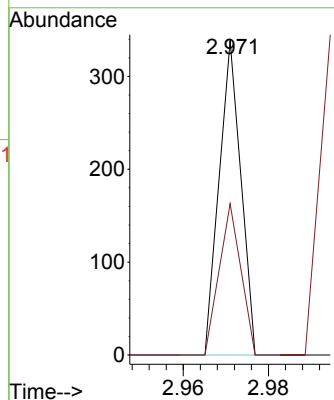
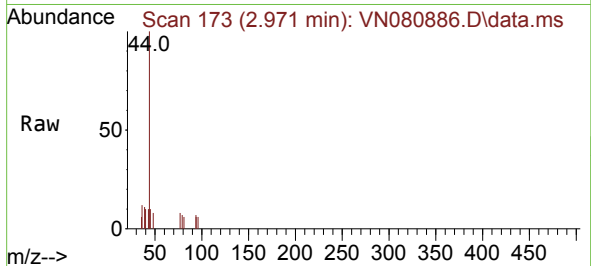




#5
Bromomethane
Concen: 0.298 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

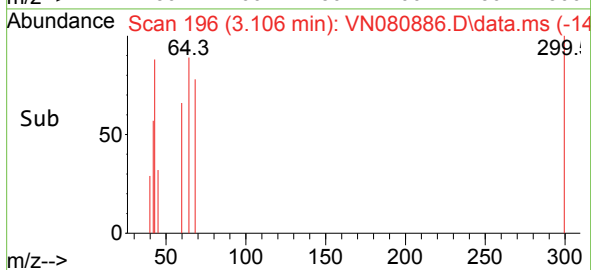
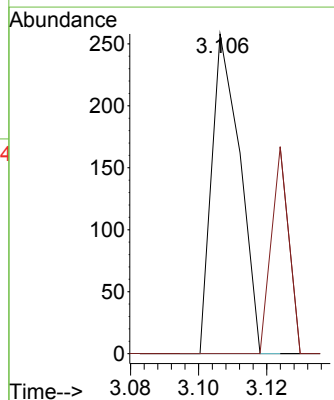
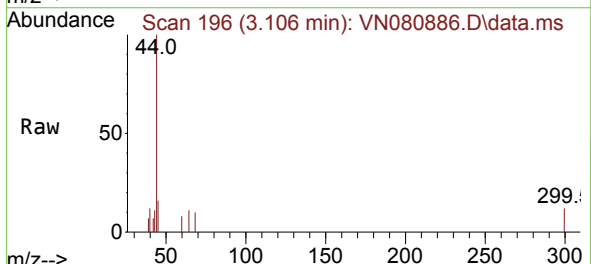
Instrument :
MSVOA_N
ClientSampleId :
IBLK

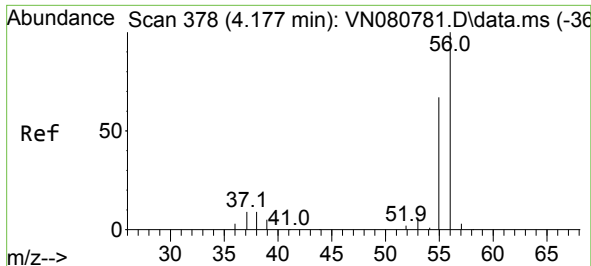
Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 48.1 69.2 103.8#



#6
Chloroethane
Concen: 0.276 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Tgt Ion: 64 Resp: 148
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#13

Acrolein

Concen: 0.318 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

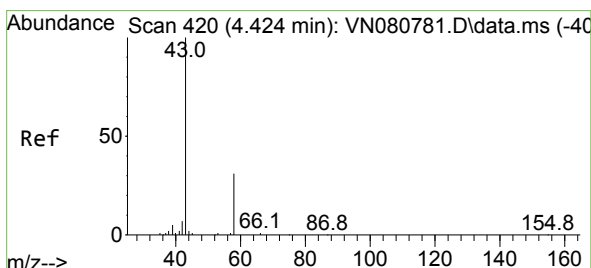
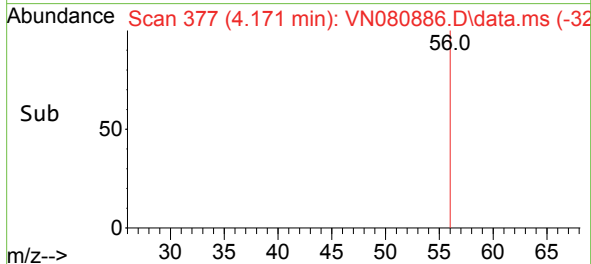
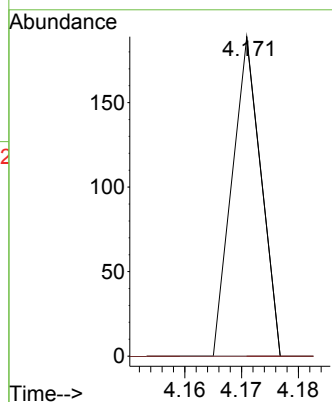
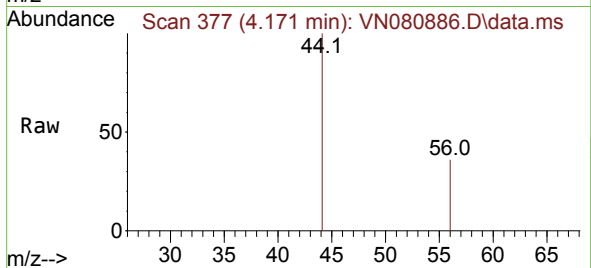
IBLK

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 0.689 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080886.D

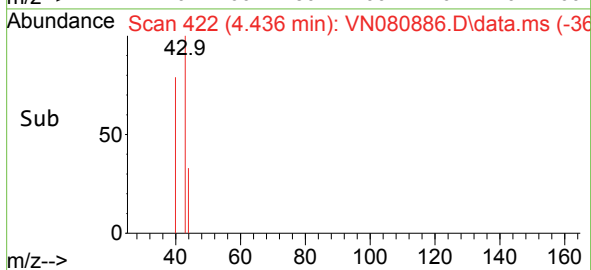
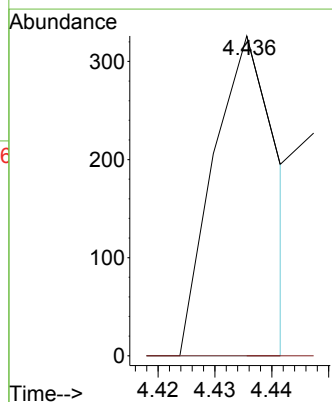
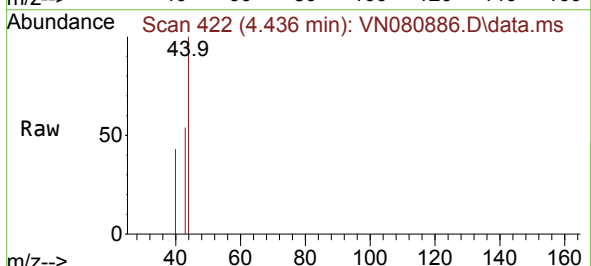
Acq: 02 Feb 2024 20:15

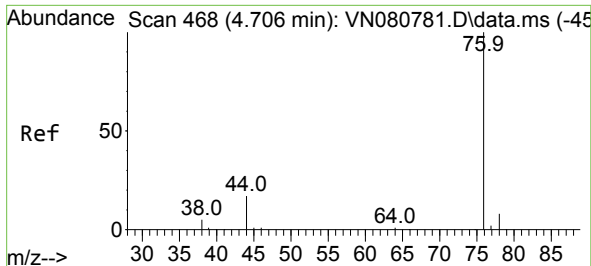
Tgt Ion: 43 Resp: 256

Ion Ratio Lower Upper

43 100

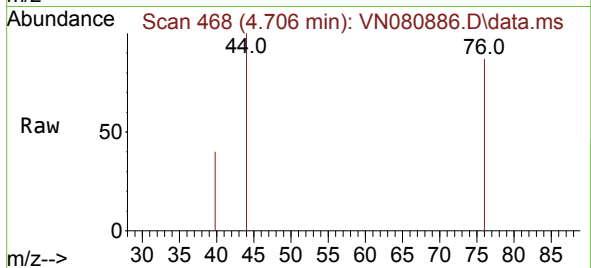
58 0.0 24.8 37.2#



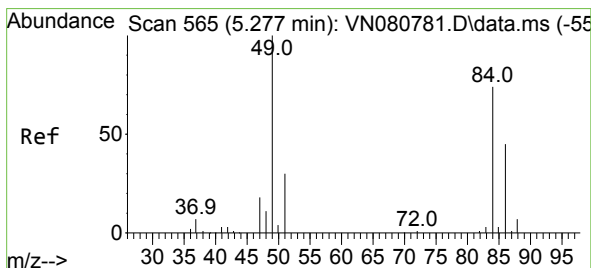
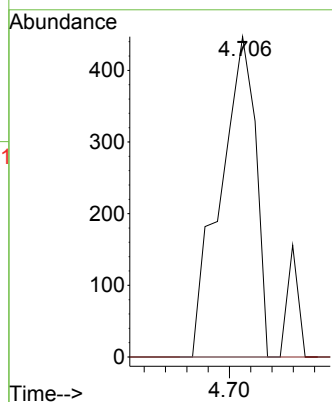


#17
Carbon Disulfide
Concen: 0.200 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

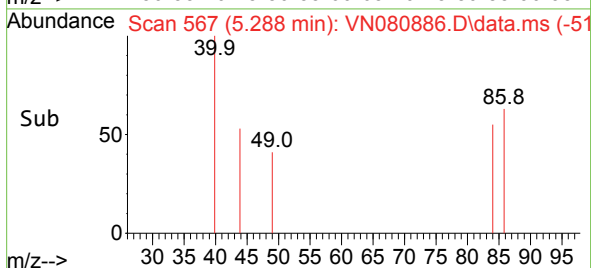
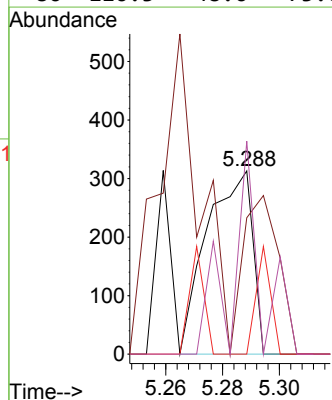
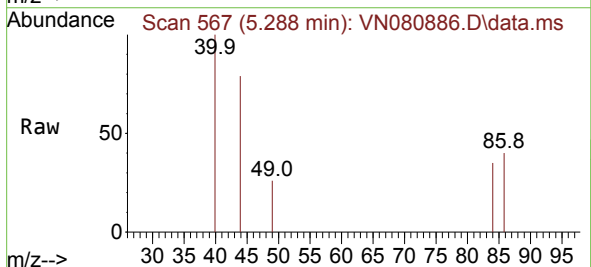


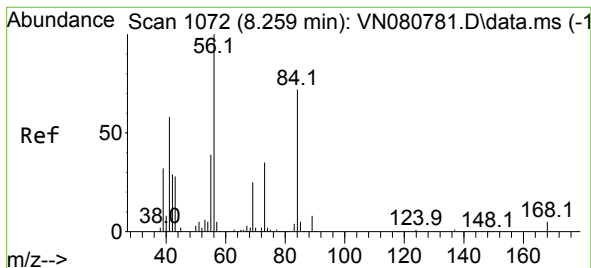
Tgt Ion: 76 Resp: 519
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: 0.358 ug/l
RT: 5.288 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Tgt Ion: 84 Resp: 349
Ion Ratio Lower Upper
84 100
49 22.0 108.1 162.1#
51 0.0 32.9 49.3#
86 116.3 48.6 73.0#





#31

Cyclohexane

Concen: 1.337 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080886.D

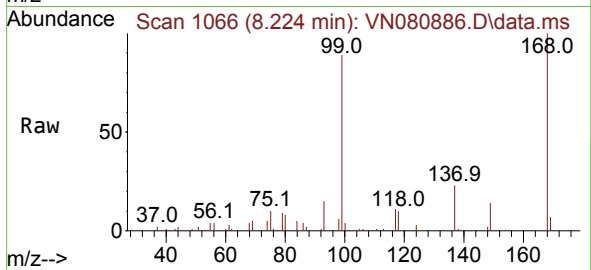
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Instrument :

MSVOA_N

ClientSampleId :

IBLK



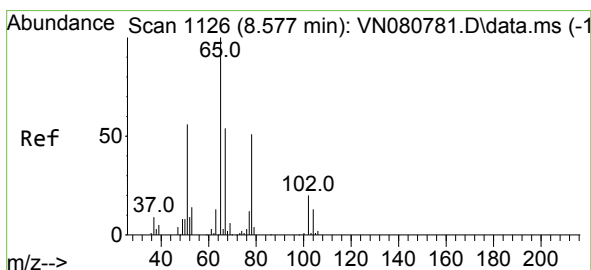
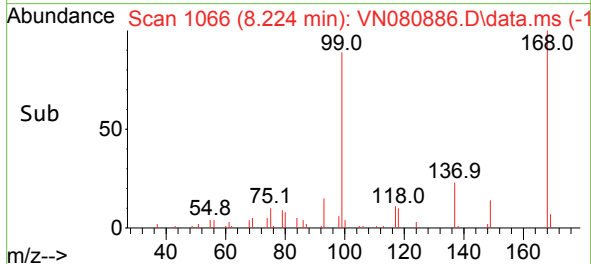
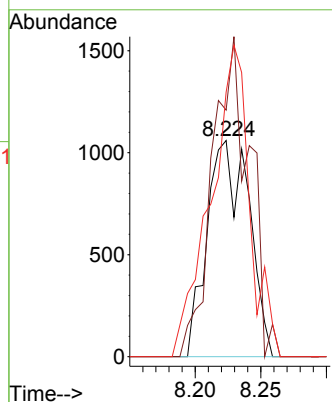
Tgt Ion: 56 Resp: 2350

Ion Ratio Lower Upper

56 100

69 114.1 20.1 30.1#

84 122.4 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 67.904 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080886.D

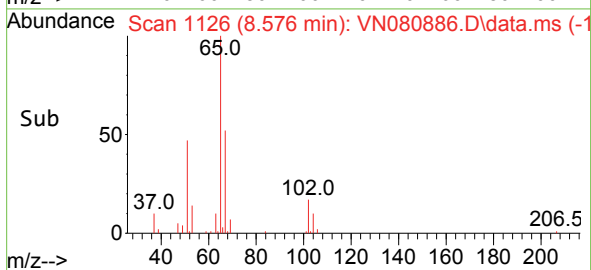
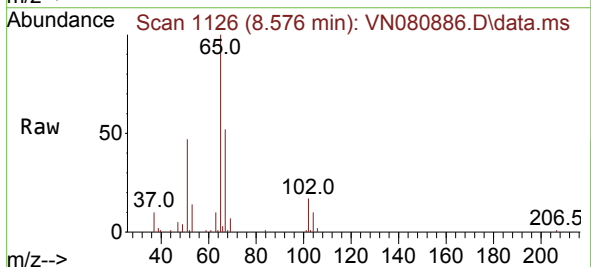
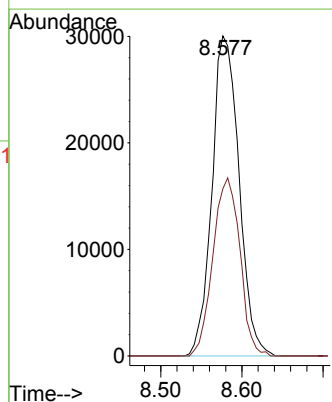
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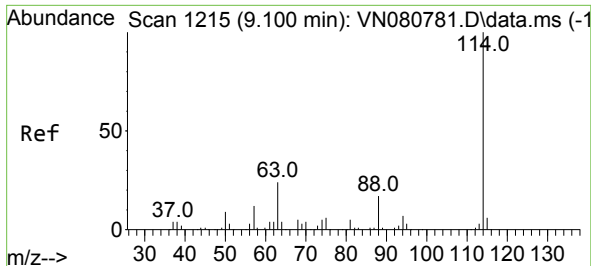
Tgt Ion: 65 Resp: 69595

Ion Ratio Lower Upper

65 100

67 55.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

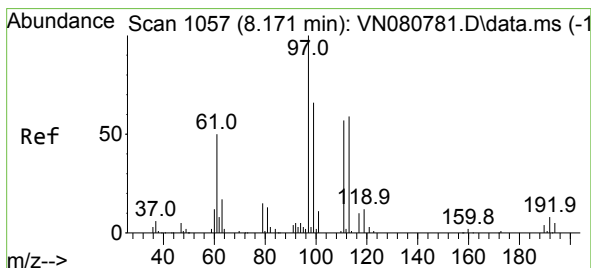
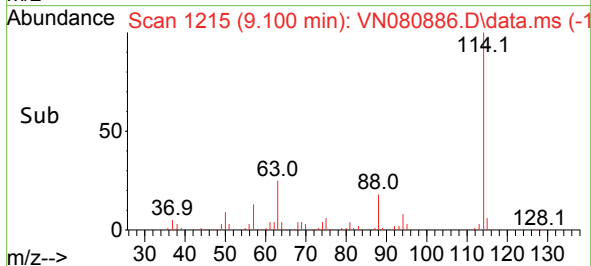
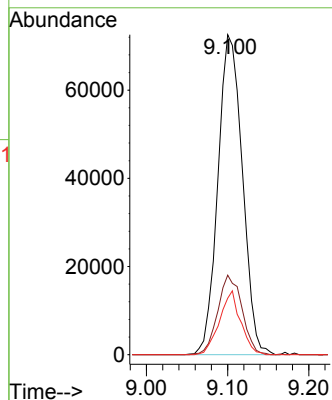
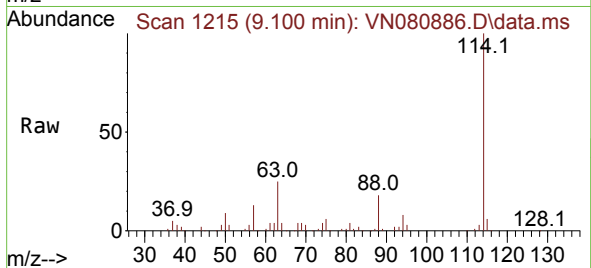
Tgt Ion:114 Resp: 152265

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.0

88 17.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 57.635 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

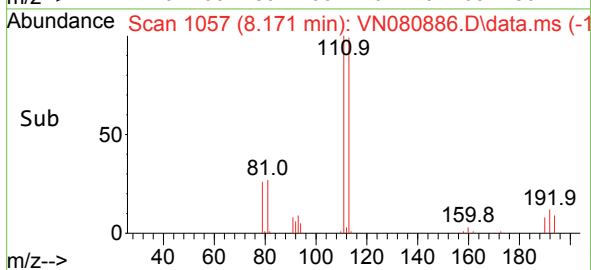
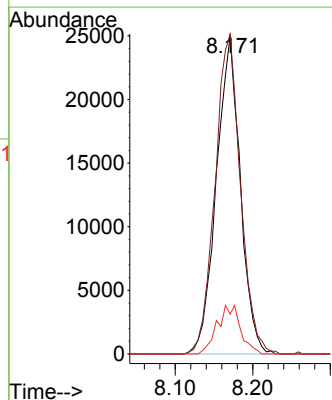
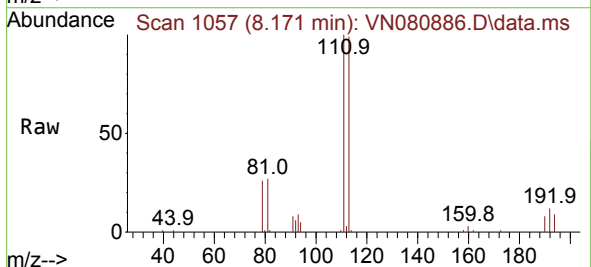
Tgt Ion:113 Resp: 53691

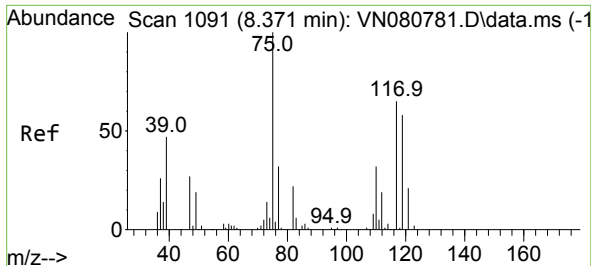
Ion Ratio Lower Upper

113 100

111 106.6 82.2 123.4

192 14.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.314 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

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IBLK

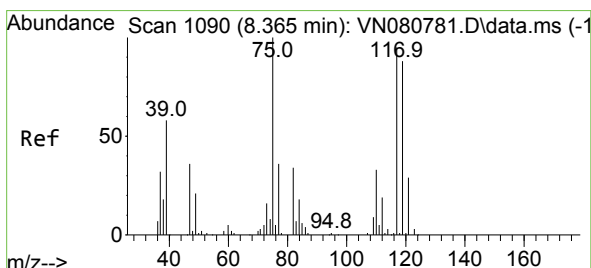
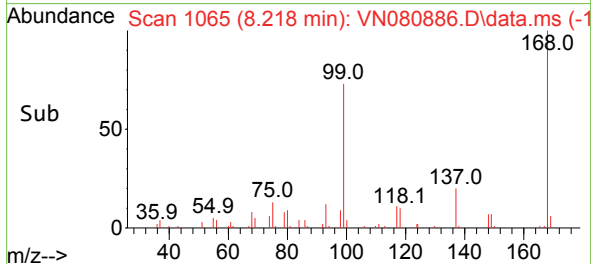
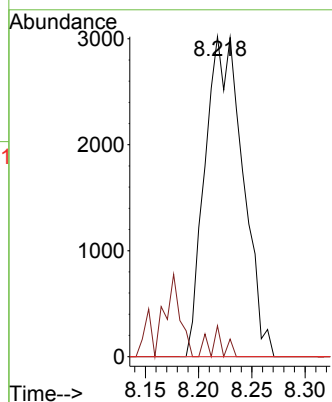
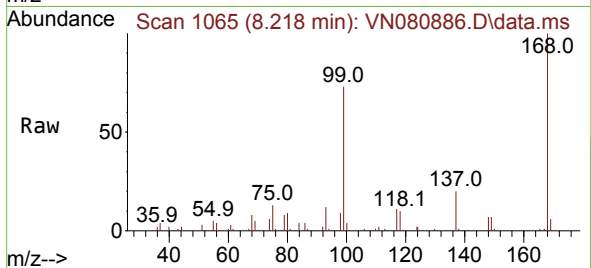
Tgt Ion: 75 Resp: 7470

Ion Ratio Lower Upper

75 100

110 2.2 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.405 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

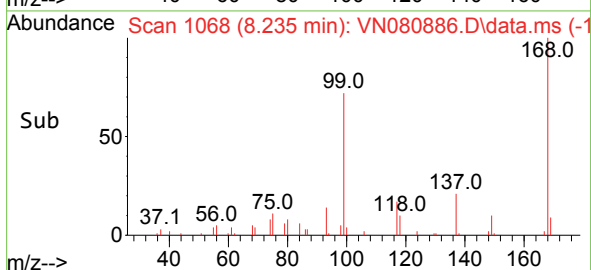
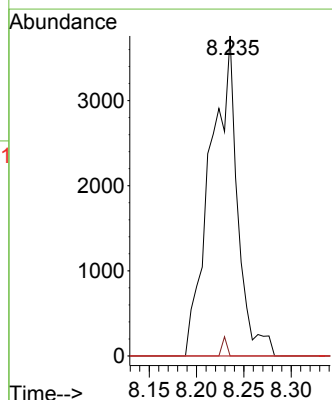
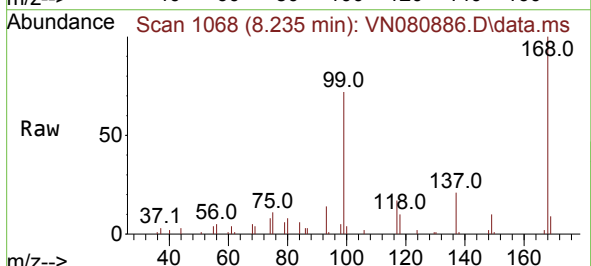
Tgt Ion: 117 Resp: 7541

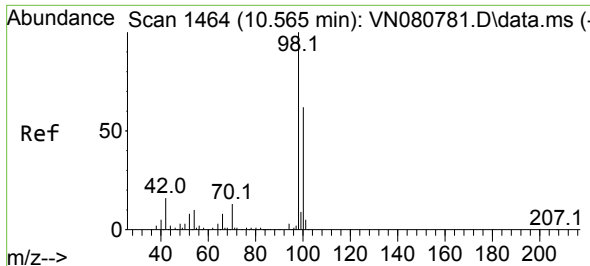
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 24.4 36.6#

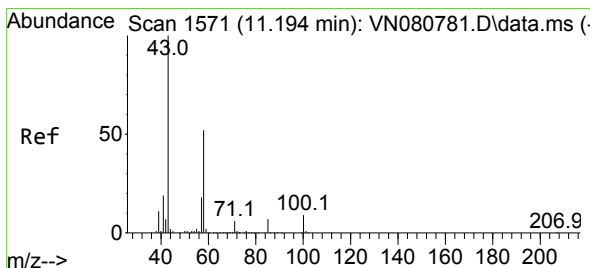
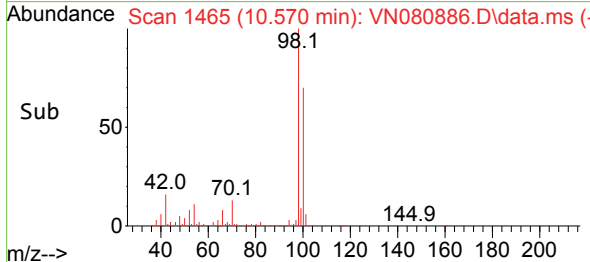
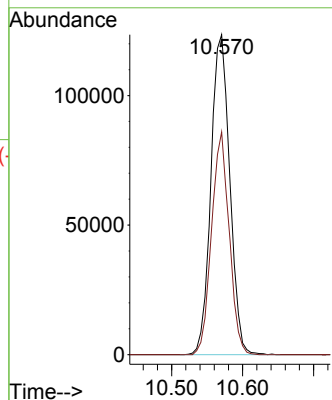
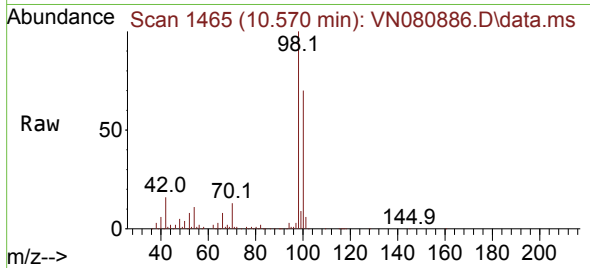




#50
Toluene-d8
Concen: 62.410 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

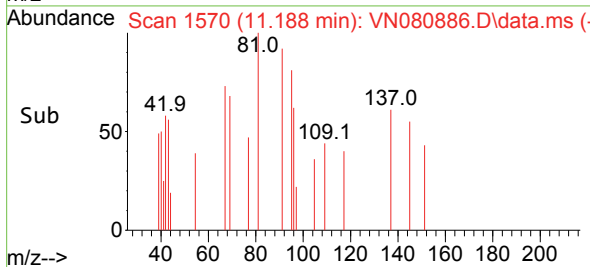
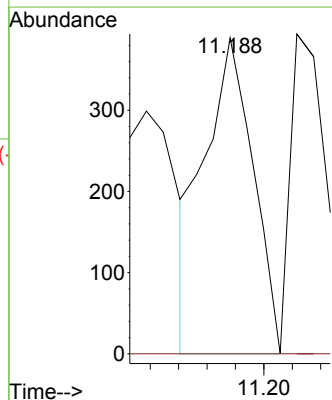
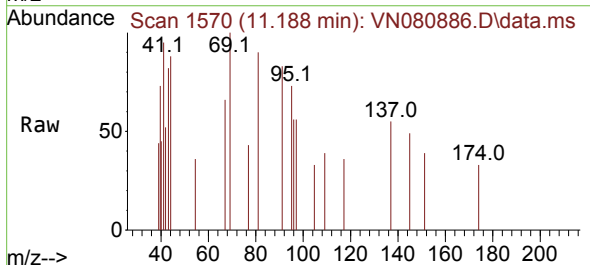
Instrument :
MSVOA_N
ClientSampleId :
IBLK

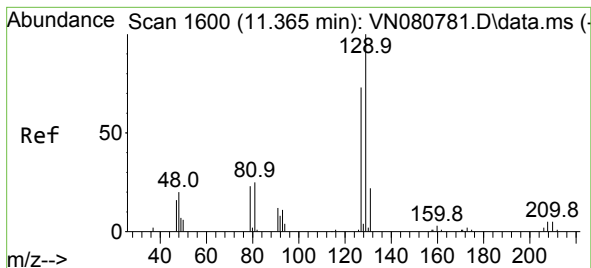
Tgt Ion: 98 Resp: 227553
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#59
2-Hexanone
Concen: 0.328 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#





#60

Dibromochloromethane

Concen: 0.385 ug/l

RT: 11.629 min Scan# 1

Delta R.T. 0.265 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

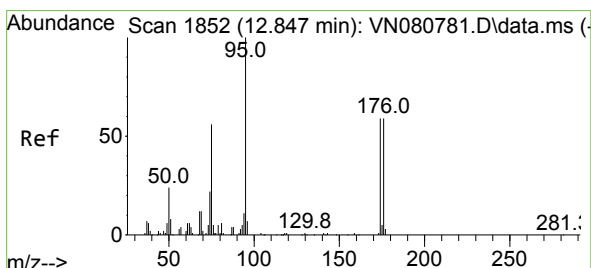
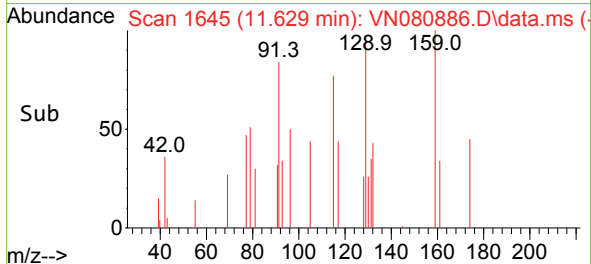
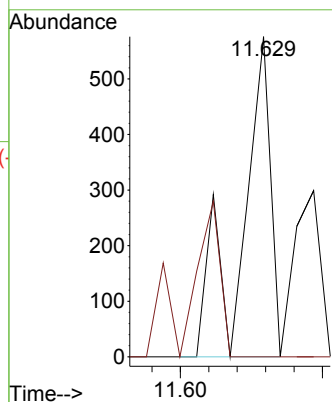
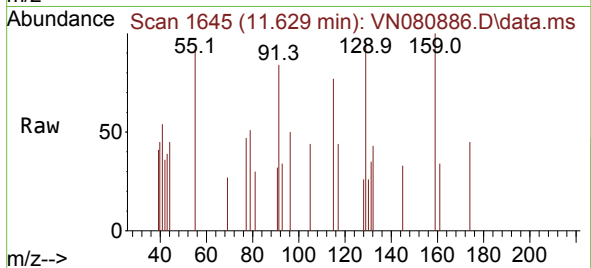
IBLK

Tgt Ion:129 Resp: 402

Ion Ratio Lower Upper

129 100

127 53.0 39.4 118.2



#62

4-Bromofluorobenzene

Concen: 74.584 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

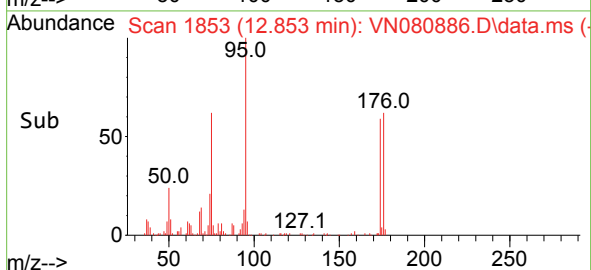
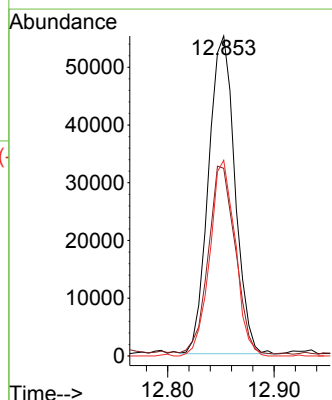
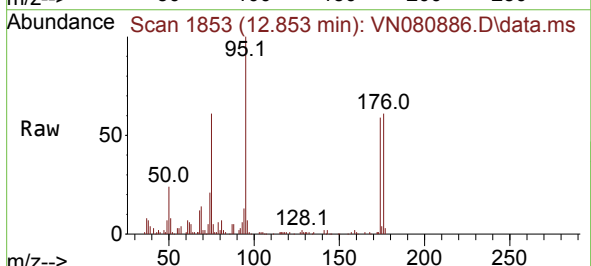
Tgt Ion: 95 Resp: 94763

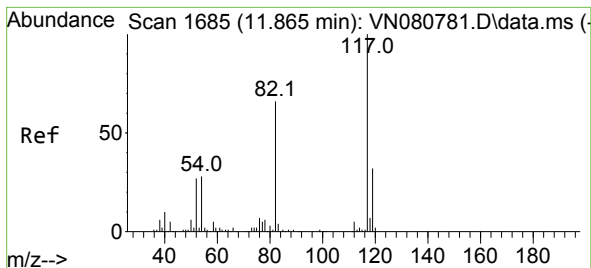
Ion Ratio Lower Upper

95 100

174 60.8 0.0 120.4

176 59.2 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: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

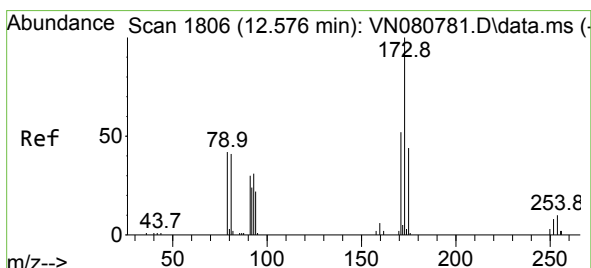
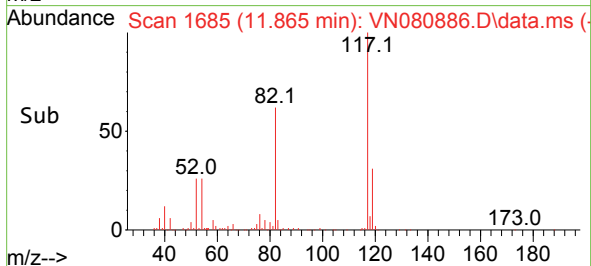
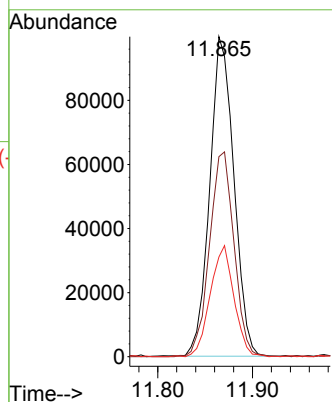
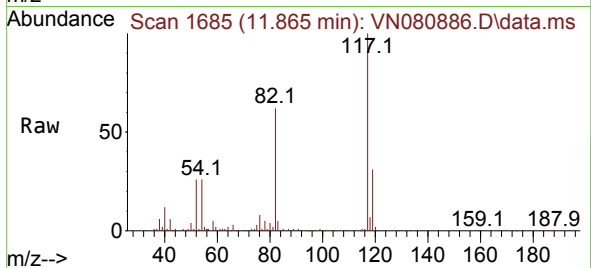
Tgt Ion:117 Resp: 176371

Ion Ratio Lower Upper

117 100

82 62.4 52.7 79.1

119 31.2 25.3 37.9



#71

Bromoform

Concen: 0.288 ug/l

RT: 12.594 min Scan# 1809

Delta R.T. 0.018 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

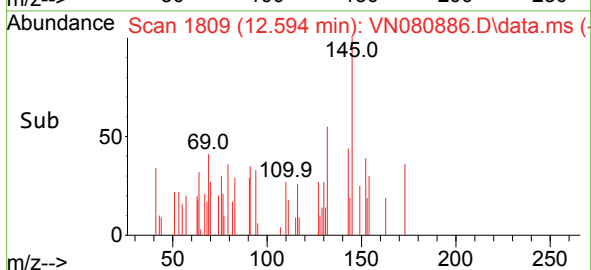
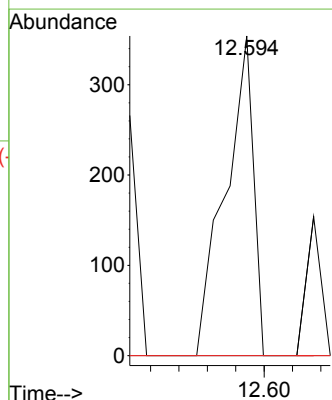
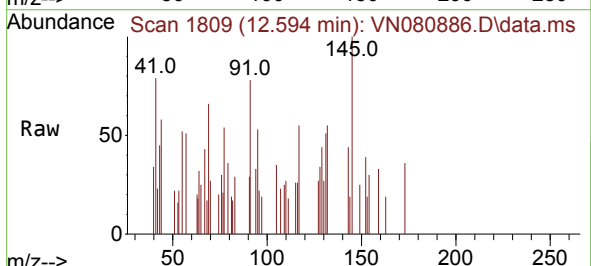
Tgt Ion:173 Resp: 244

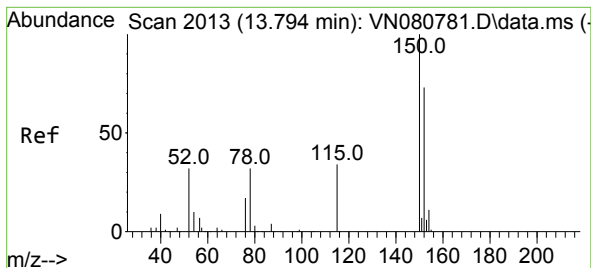
Ion Ratio Lower Upper

173 100

175 0.0 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# 2013

Delta R.T. -0.000 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

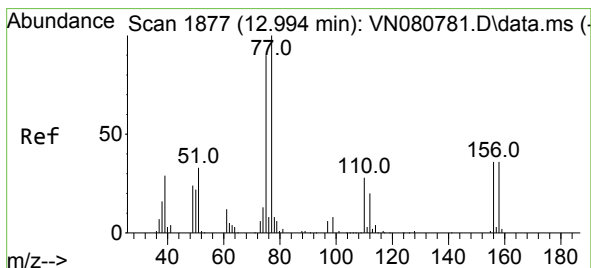
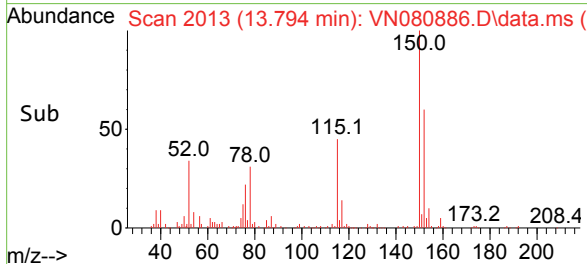
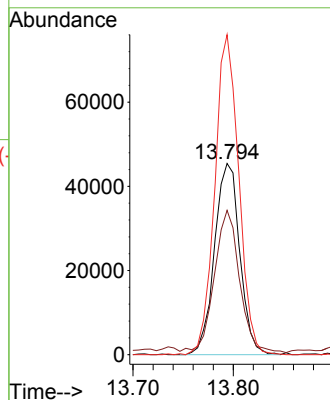
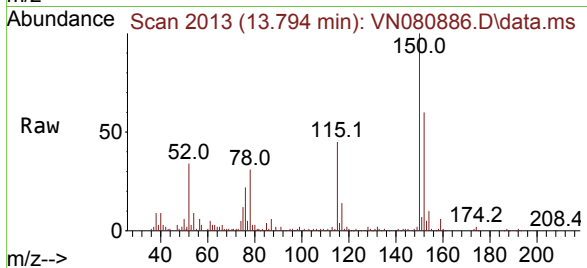
Tgt Ion:152 Resp: 79540

Ion Ratio Lower Upper

152 100

115 73.9 32.3 96.8

150 158.6 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 23.178 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080886.D

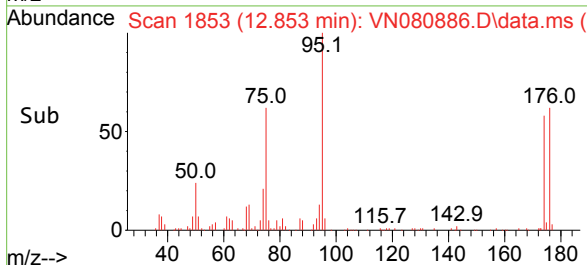
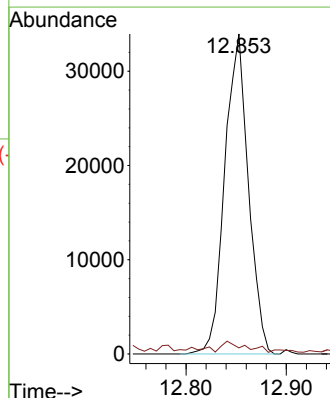
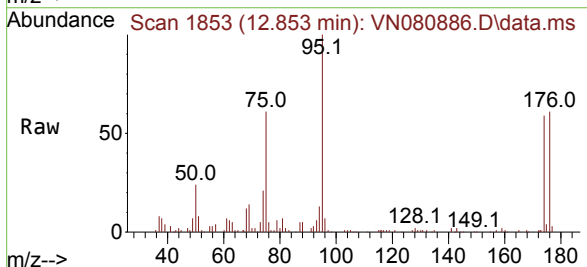
Acq: 02 Feb 2024 20:15

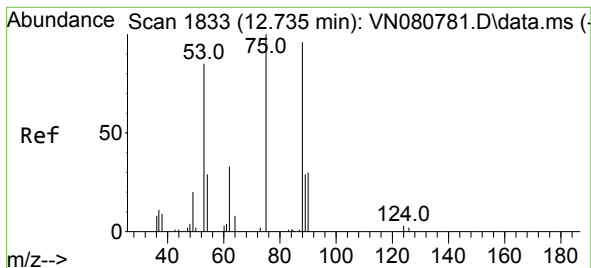
Tgt Ion: 75 Resp: 55602

Ion Ratio Lower Upper

75 100

77 3.3 91.0 272.8#

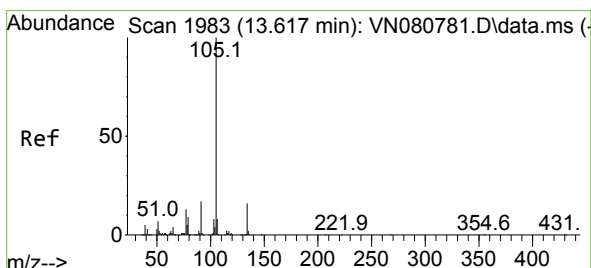
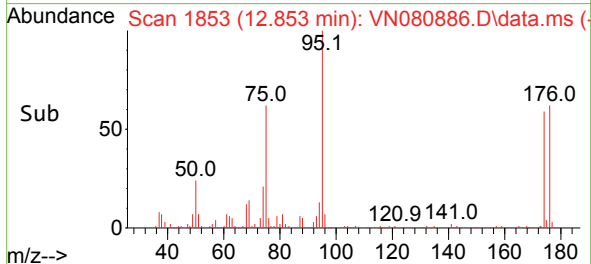
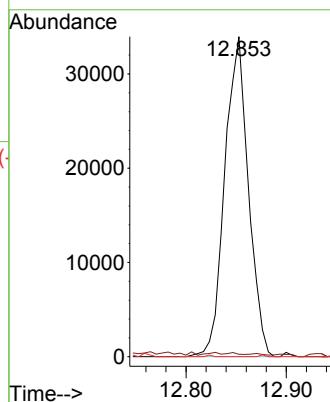
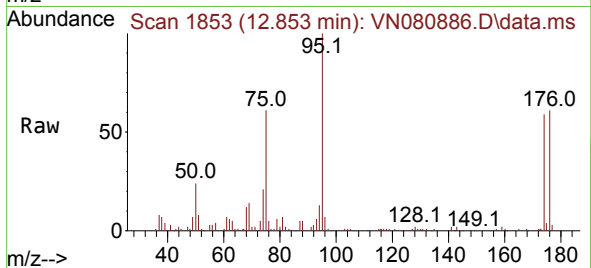




#81
trans-1,4-Dichloro-2-butene
Concen: 59.710 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

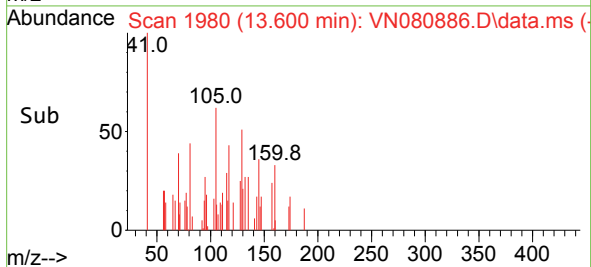
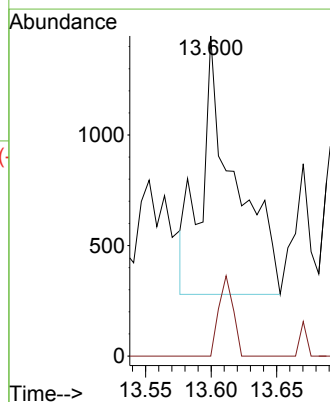
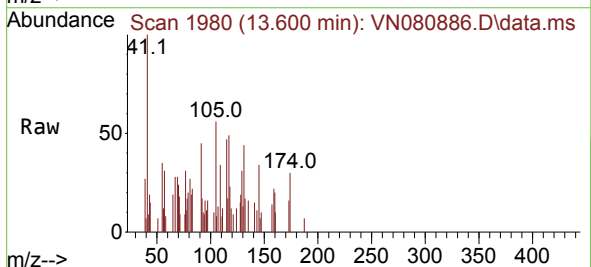
Instrument :
MSVOA_N
ClientSampleId :
IBLK

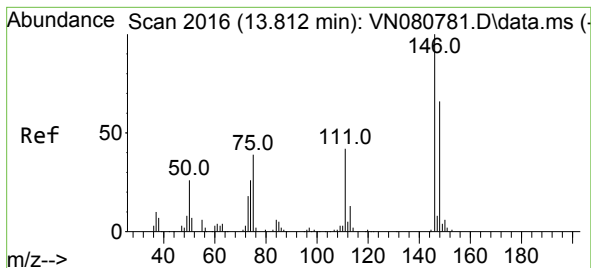
Tgt Ion: 75 Resp: 55602
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#85
sec-Butylbenzene
Concen: 0.306 ug/l
RT: 13.600 min Scan# 1980
Delta R.T. -0.018 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Tgt Ion: 105 Resp: 2089
Ion Ratio Lower Upper
105 100
134 13.1 8.6 25.8





#88

1,4-Dichlorobenzene

Concen: 0.216 ug/l

RT: 13.806 min Scan# 2016

Delta R.T. -0.006 min

Lab File: VN080886.D

Acq: 02 Feb 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

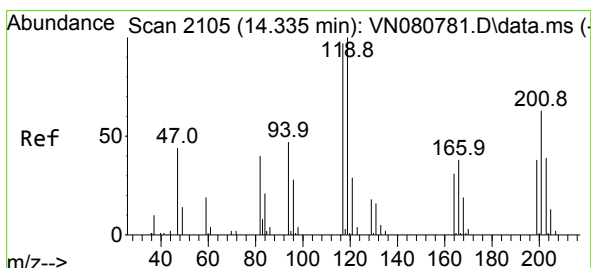
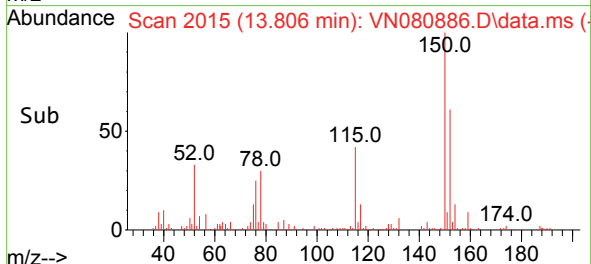
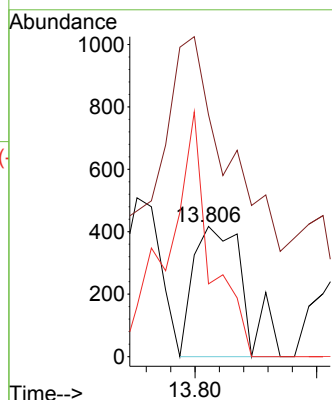
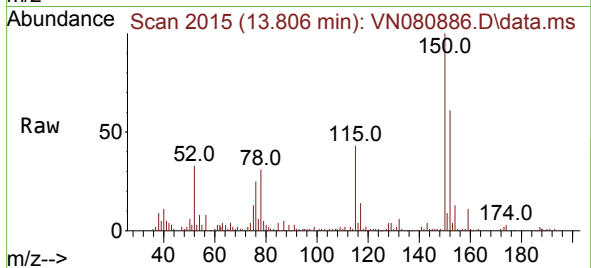
Tgt Ion:146 Resp: 604

Ion Ratio Lower Upper

146 100

111 368.9 22.6 67.7#

148 158.4 31.9 95.5#



#90

Hexachloroethane

Concen: 0.535 ug/l

RT: 14.347 min Scan# 2107

Delta R.T. 0.012 min

Lab File: VN080886.D

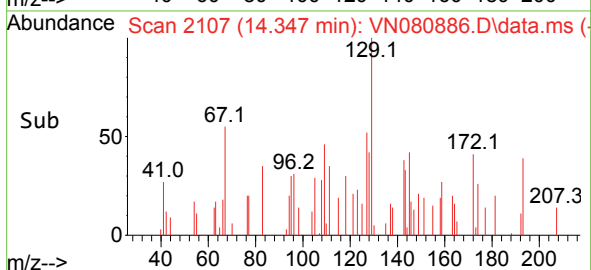
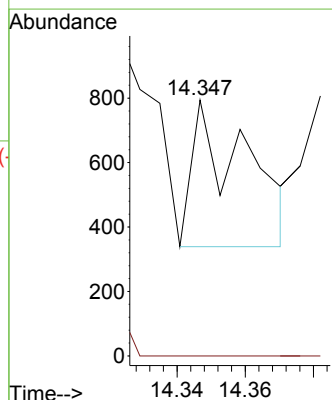
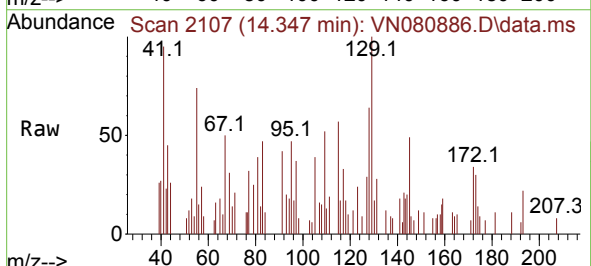
Acq: 02 Feb 2024 20:15

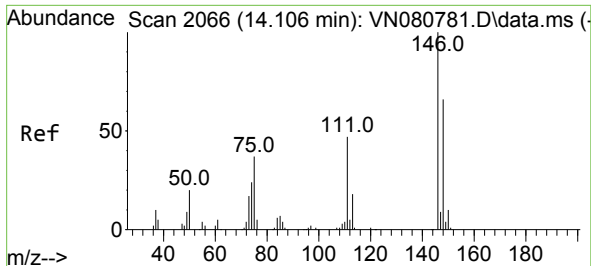
Tgt Ion:117 Resp: 497

Ion Ratio Lower Upper

117 100

201 0.0 30.0 90.0#

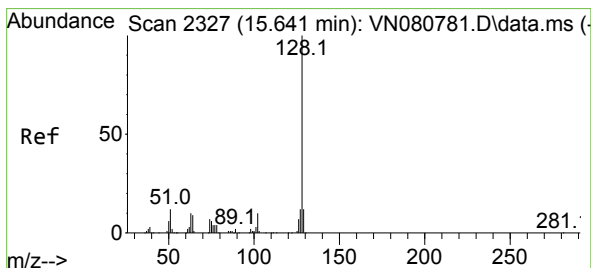
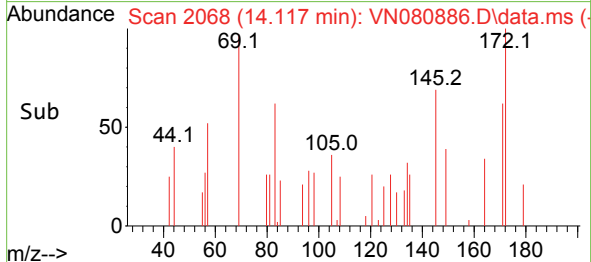
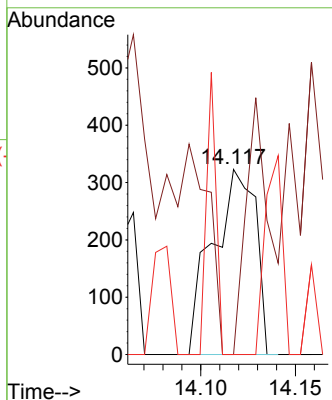
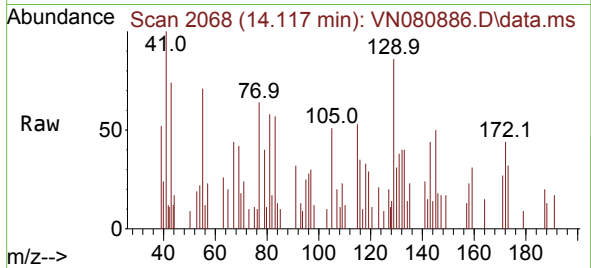




#91
1,2-Dichlorobenzene
Concen: 0.200 ug/l
RT: 14.117 min Scan# 2068
Delta R.T. 0.012 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:146 Resp: 511
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.8#
148 34.1 31.4 94.0



#95
Naphthalene
Concen: 0.424 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.012 min
Lab File: VN080886.D
Acq: 02 Feb 2024 20:15

Tgt Ion:128 Resp: 2130
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

