

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080424.D
 Acq On : 08 Dec 2023 22:19
 Operator : JC\MD
 Sample : 05695-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 04:28:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

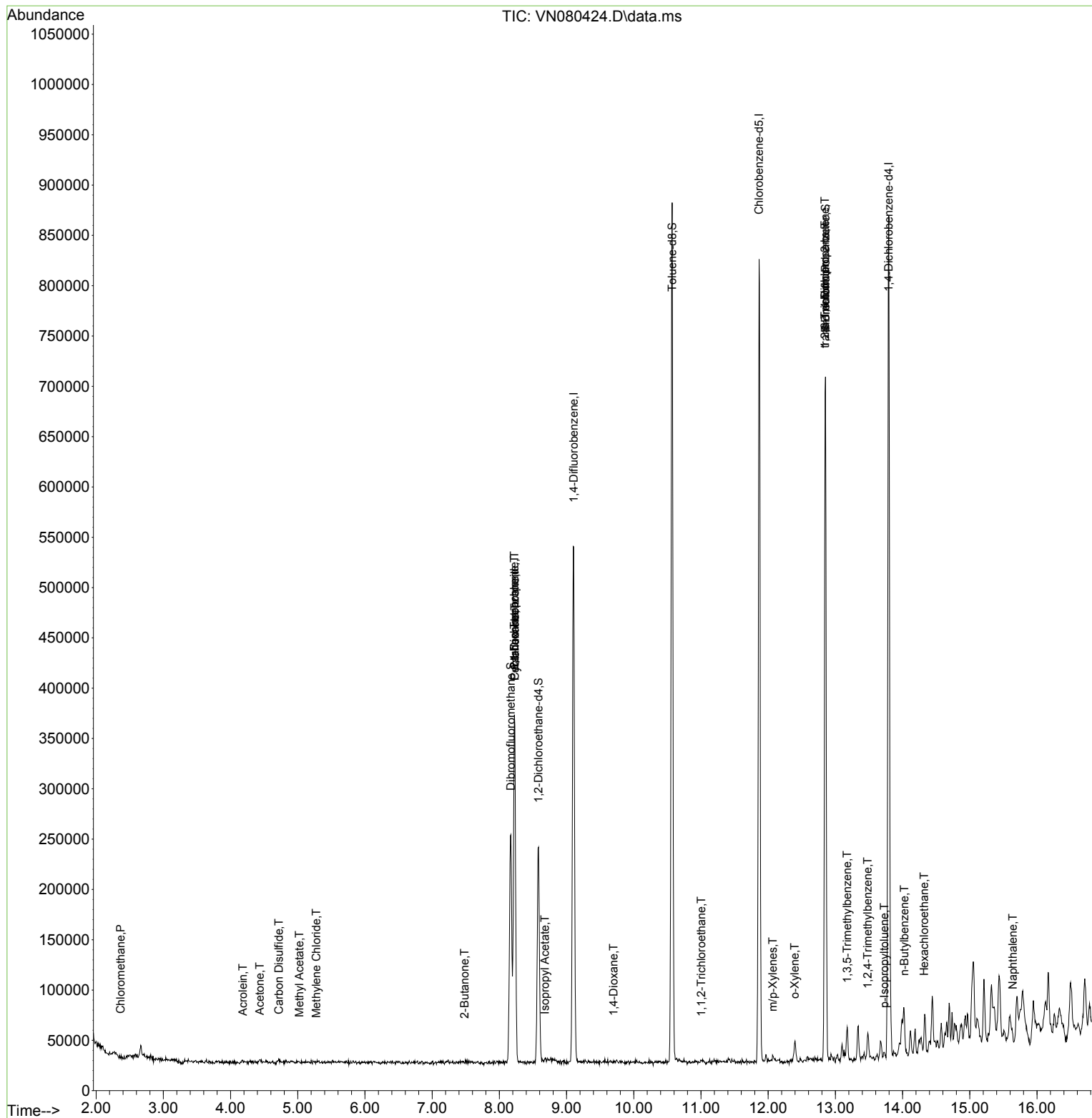
Internal Standards						
1) Pentafluorobenzene	8.230	168	247869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	449781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	475965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	187887	45.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.820%
35) Dibromofluoromethane	8.171	113	165355	49.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.640%
50) Toluene-d8	10.571	98	597049	49.906	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.853	95	252074	55.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3768	1.357	ug/l	91
6) Chloroethane	3.124	64	535	Below Cal	#	43
13) Acrolein	4.183	56	1685	4.230	ug/l	94
16) Acetone	4.436	43	3391	2.467	ug/l #	78
17) Carbon Disulfide	4.718	76	3566	0.456	ug/l #	88
18) Methyl Acetate	5.024	43	915	0.207	ug/l #	42
20) Methylene Chloride	5.277	84	1268	0.440	ug/l #	77
25) 2-Butanone	7.483	43	671	0.411	ug/l	93
31) Cyclohexane	8.230	56	5019	1.128	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	20956	4.361	ug/l #	47
38) Carbon Tetrachloride	8.224	117	27180	4.458	ug/l #	15
43) Isopropyl Acetate	8.677	43	2220	0.342	ug/l #	49
49) 1,4-Dioxane	9.700	88	306	5.503	ug/l #	66
55) 1,1,2-Trichloroethane	11.006	97	726	0.223	ug/l #	16
68) m/p-Xylenes	12.070	106	1812	0.259	ug/l	77
69) o-Xylene	12.394	106	4993	0.757	ug/l	87
71) Bromoform	12.853	173	1065	0.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	132801	23.549	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	14757	0.948	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	132801	79.561	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	16738	1.092	ug/l	94
86) p-Isopropyltoluene	13.729	119	3085	0.219	ug/l	91
89) n-Butylbenzene	14.029	91	3729	0.316	ug/l #	1
90) Hexachloroethane	14.323	117	2316	0.842	ug/l #	21
95) Naphthalene	15.641	128	3512	0.268	ug/l #	92

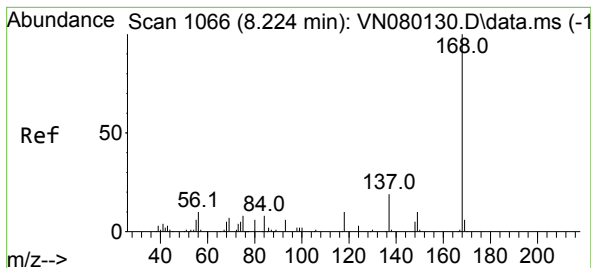
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

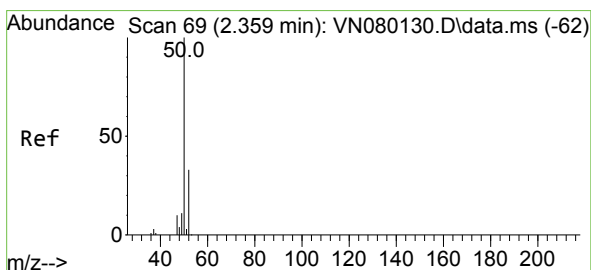
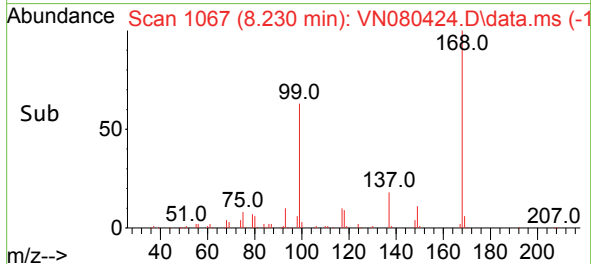
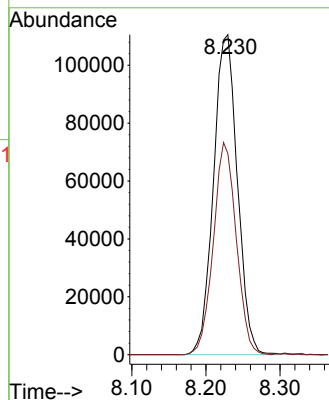
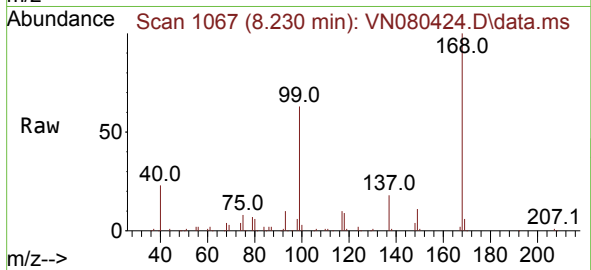
ClientSampleId :

Tgt Ion:168 Resp: 247869

Ion Ratio Lower Upper

168 100

99 62.8 53.0 79.6



#3

Chloromethane

Concen: 1.357 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080424.D

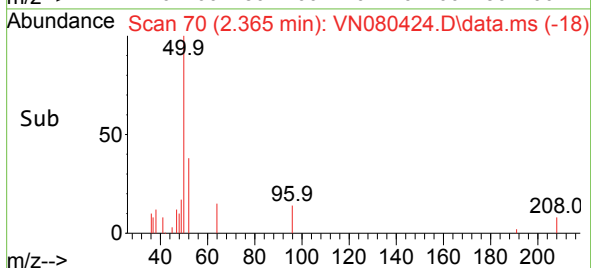
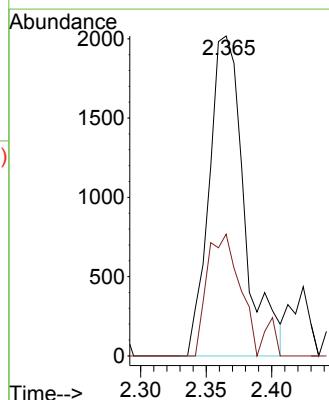
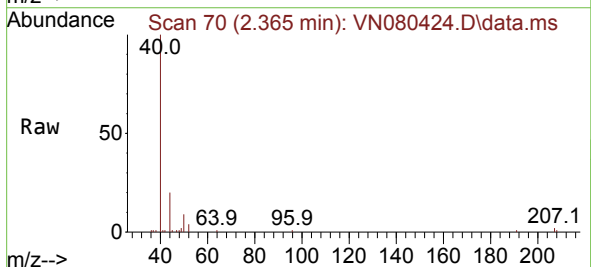
Acq: 08 Dec 2023 22:19

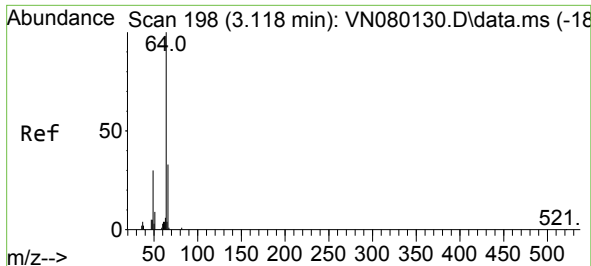
Tgt Ion: 50 Resp: 3768

Ion Ratio Lower Upper

50 100

52 38.1 26.5 39.7

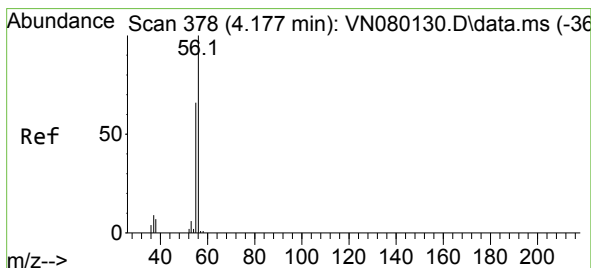
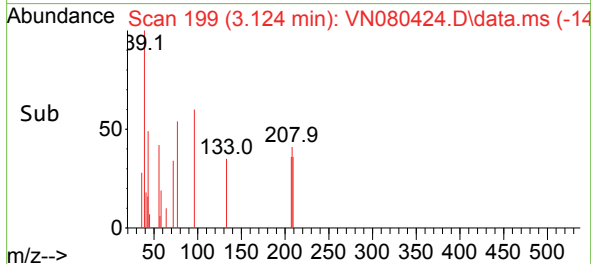
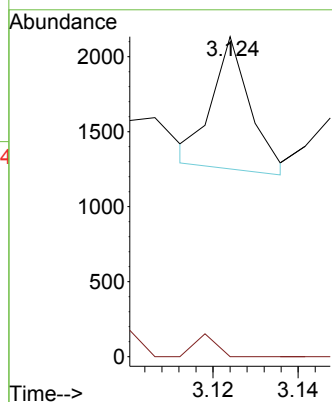
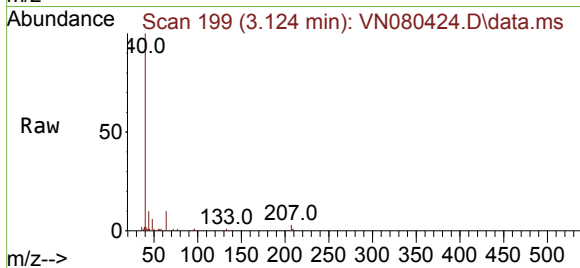




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

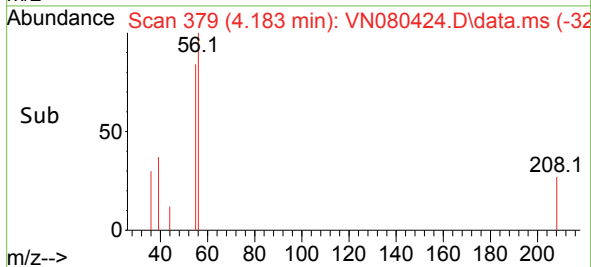
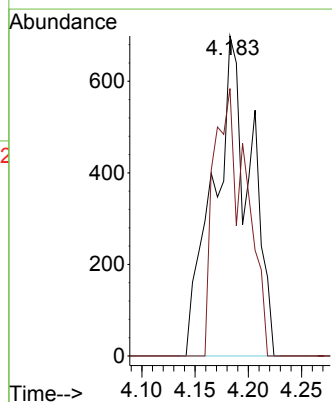
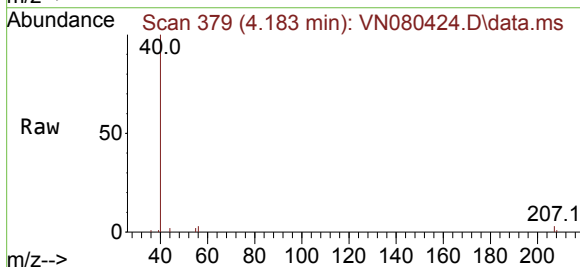
Instrument :
MSVOA_N
ClientSampleId :

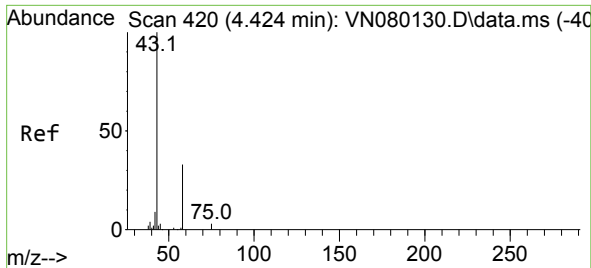
Tgt Ion: 64 Resp: 535
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 4.230 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Tgt Ion: 56 Resp: 1685
Ion Ratio Lower Upper
56 100
55 73.1 54.5 81.7

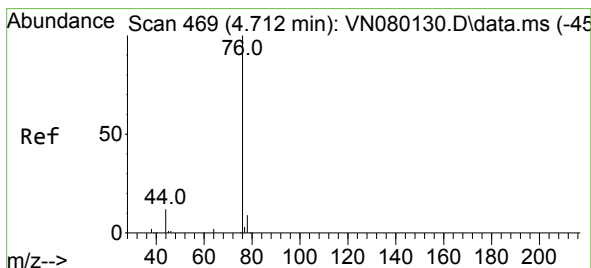
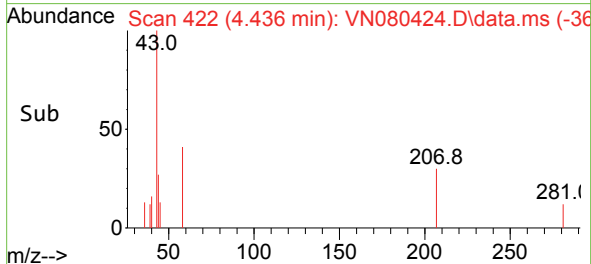
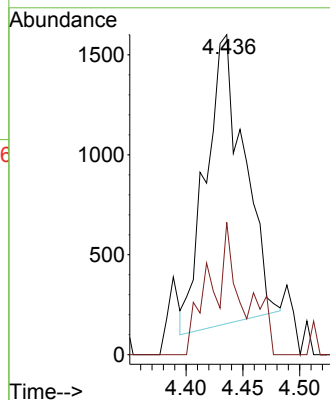
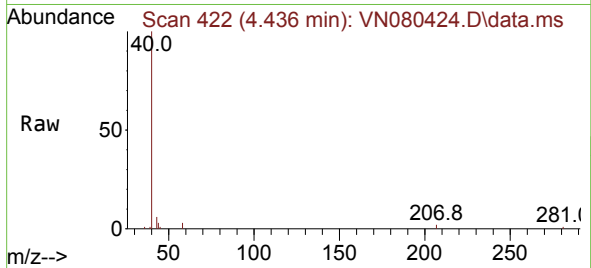




#16
Acetone
Concen: 2.467 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

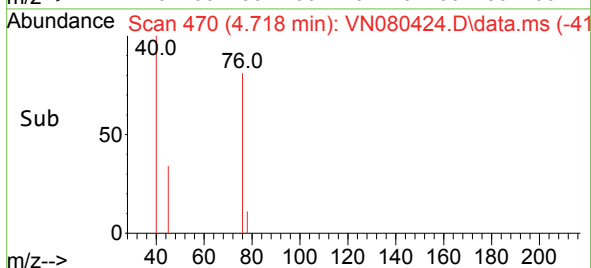
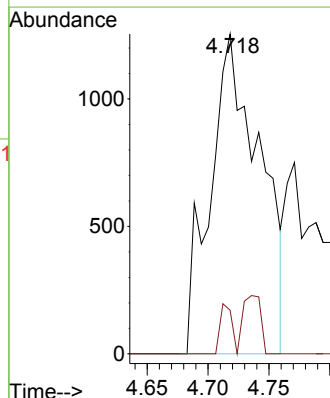
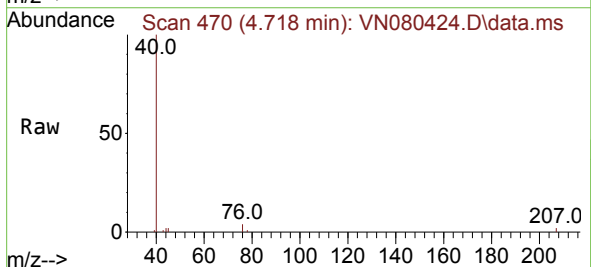
Instrument :
MSVOA_N
ClientSampleId :

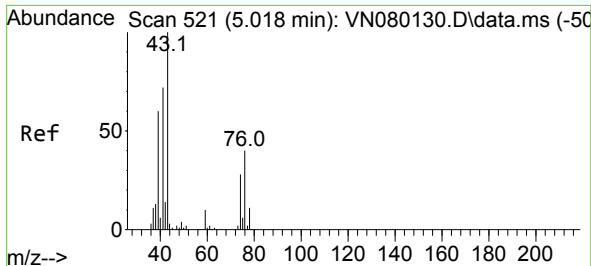
Tgt Ion: 43 Resp: 3391
Ion Ratio Lower Upper
43 100
58 47.9 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.456 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

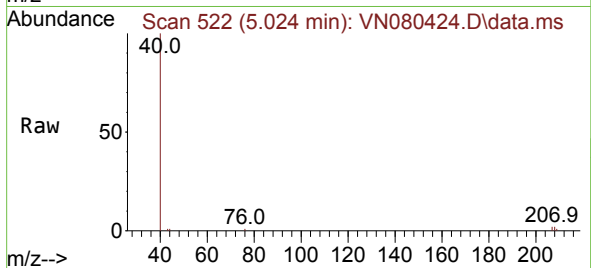
Tgt Ion: 76 Resp: 3566
Ion Ratio Lower Upper
76 100
78 13.6 7.4 11.0#



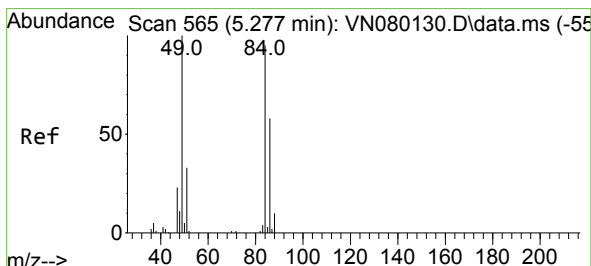
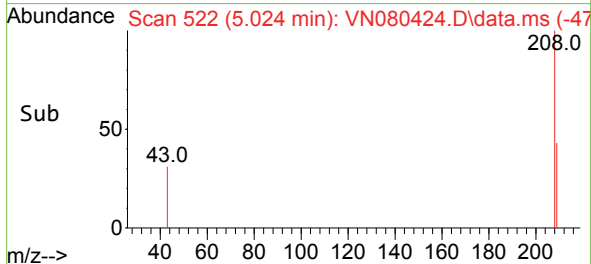
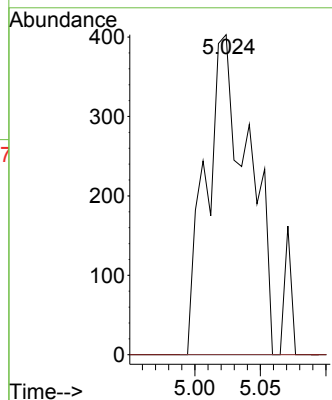


#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 5.024 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Instrument :
MSVOA_N
ClientSampleId :

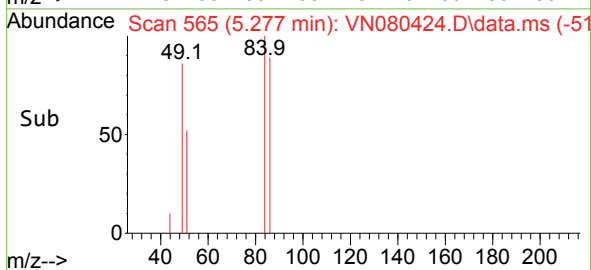
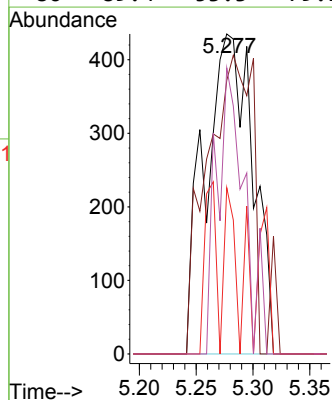
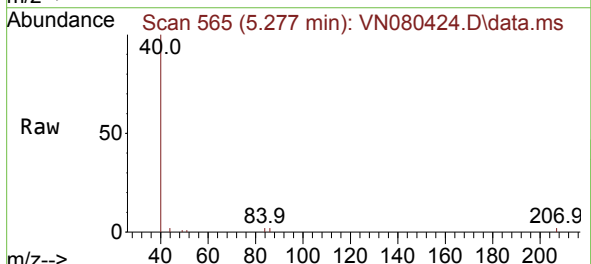


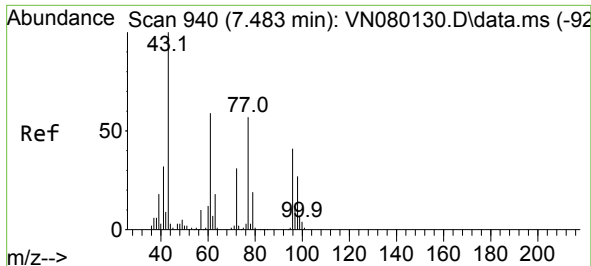
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 0.440 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Tgt Ion: 84 Resp: 1268
Ion Ratio Lower Upper
84 100
49 85.5 79.7 119.5
51 52.0 25.2 37.8#
86 89.4 53.3 79.9#

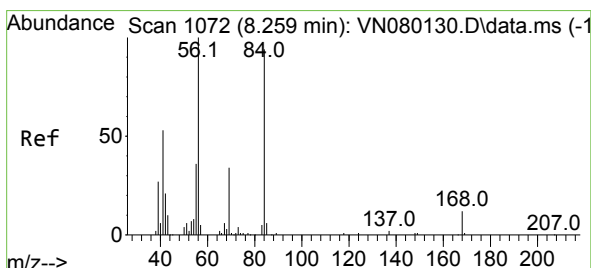
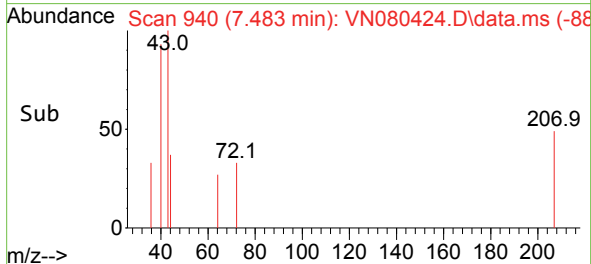
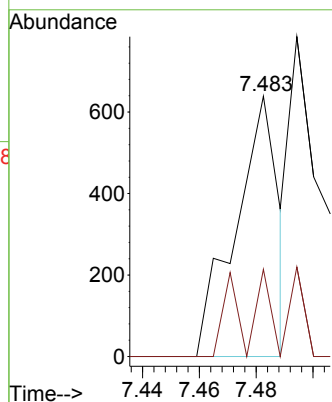
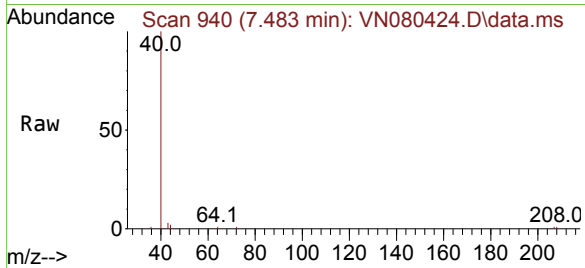




#25
2-Butanone
Concen: 0.411 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

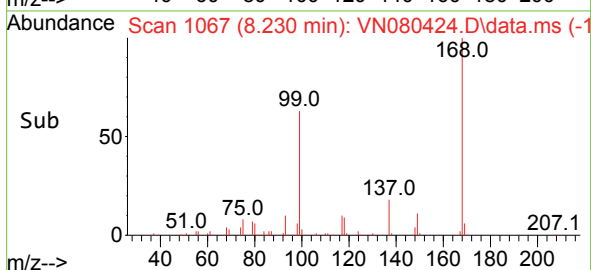
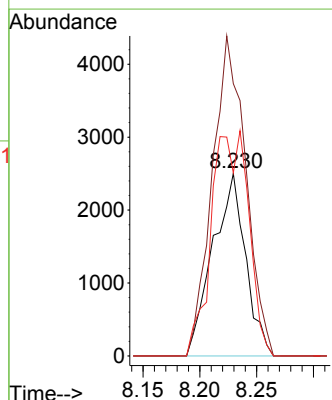
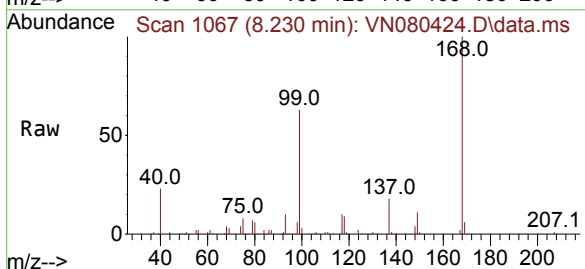
Instrument :
MSVOA_N
ClientSampleId :

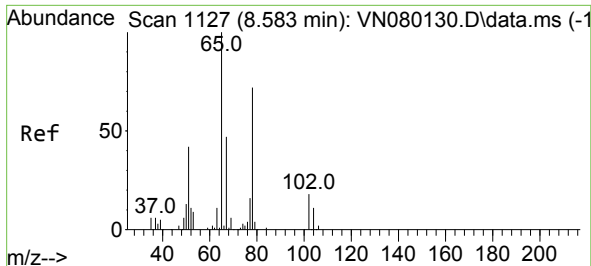
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
72 33.5 30.2 45.2



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Tgt Ion: 56 Resp: 5019
Ion Ratio Lower Upper
56 100
69 149.1 26.8 40.2#
84 100.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 45.908 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

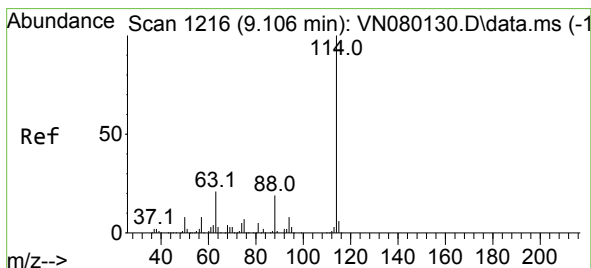
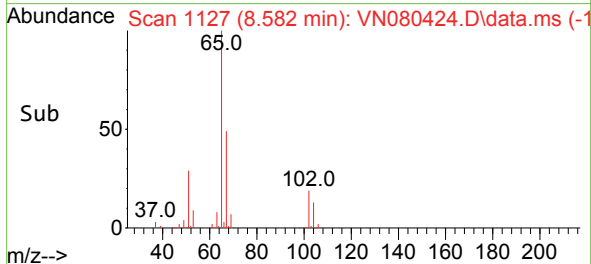
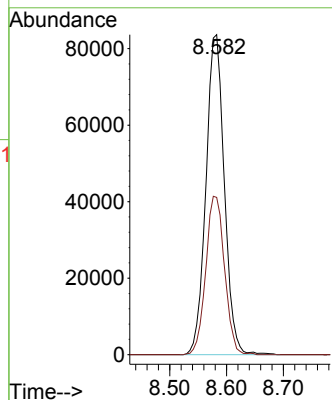
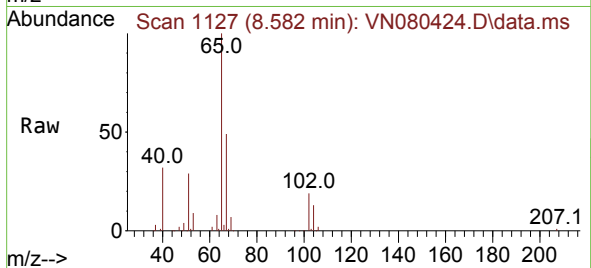
ClientSampleId :

Tgt Ion: 65 Resp: 187887

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

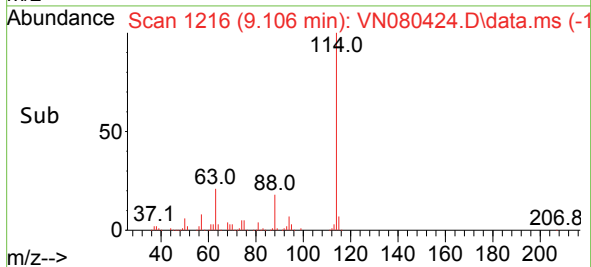
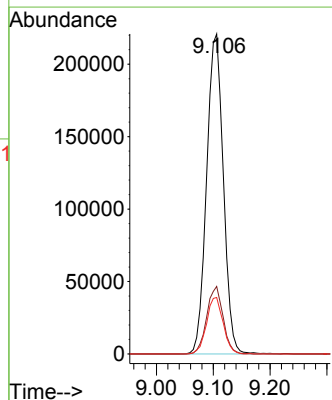
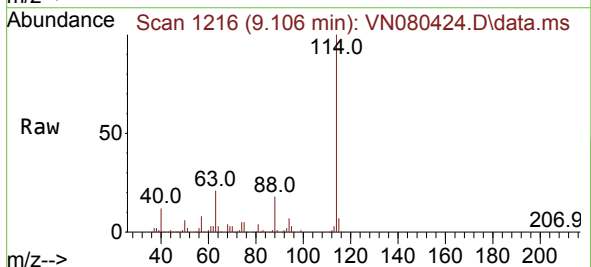
Tgt Ion: 114 Resp: 449781

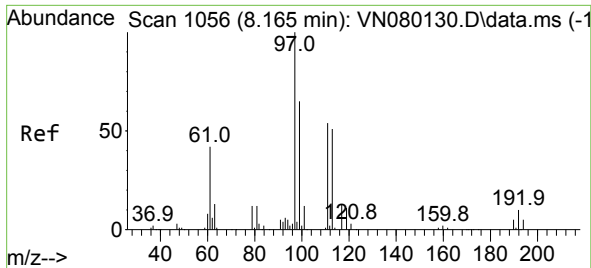
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 17.6 0.0 30.6

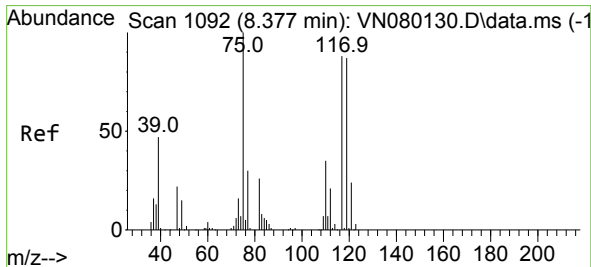
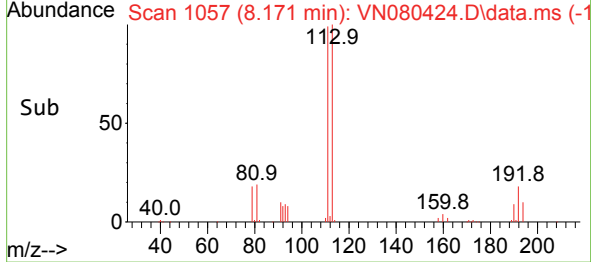
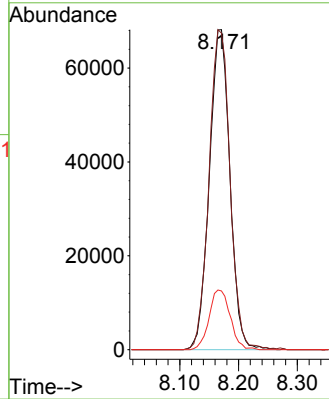
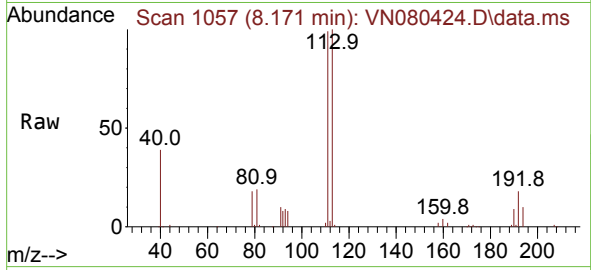




#35
Dibromofluoromethane
Concen: 49.824 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

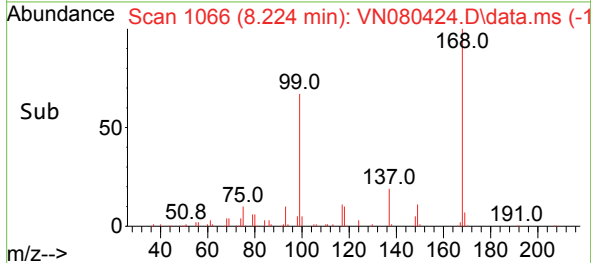
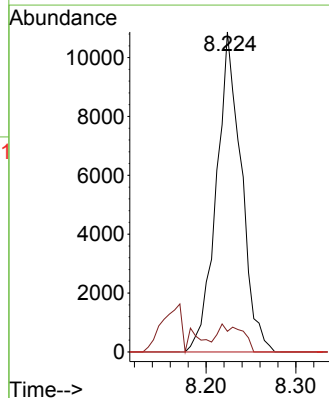
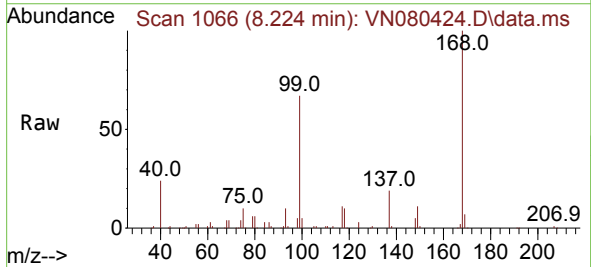
Instrument :
MSVOA_N
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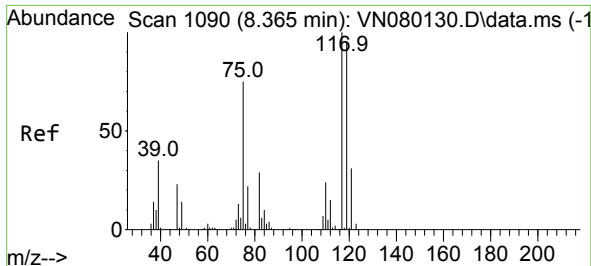
Tgt Ion:113 Resp: 165355
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.1 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.361 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

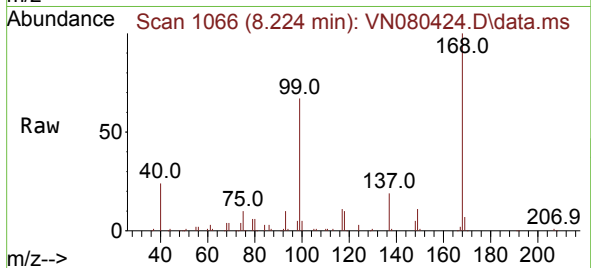
Tgt Ion: 75 Resp: 20956
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.0 25.0 37.4#



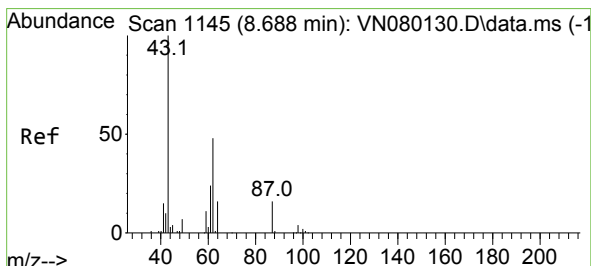
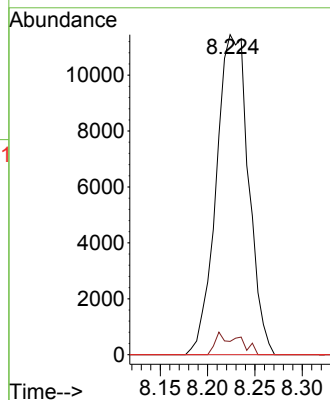
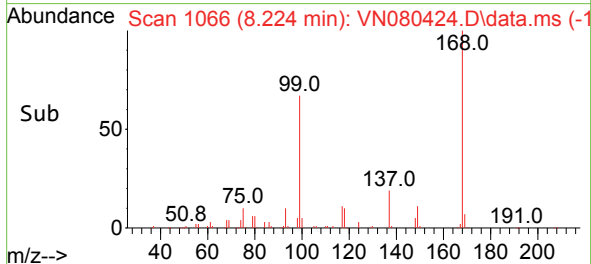


#38
Carbon Tetrachloride
Concen: 4.458 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Instrument :
MSVOA_N
ClientSampleId :

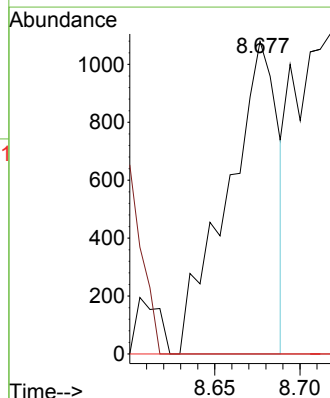
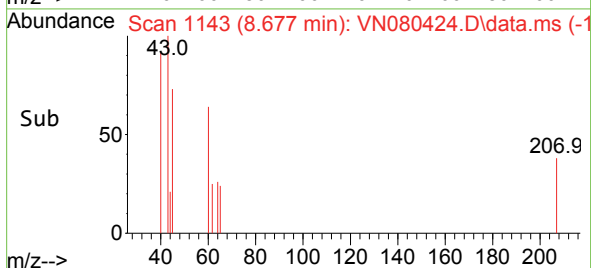
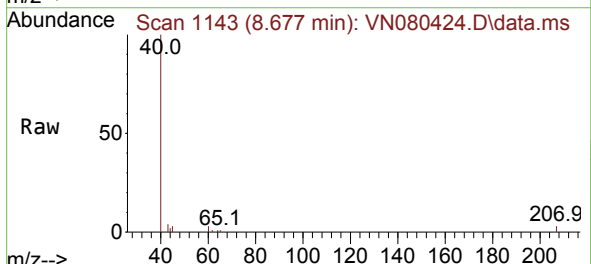


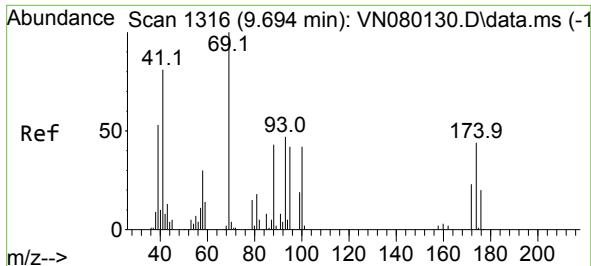
Tgt Ion:117 Resp: 27180
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.342 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#49

1,4-Dioxane

Concen: 5.503 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

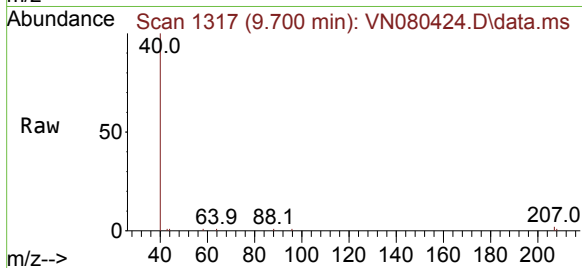
Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

ClientSampleId :



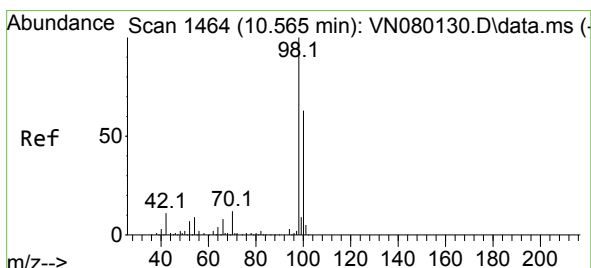
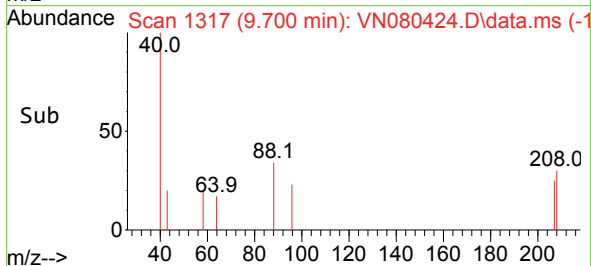
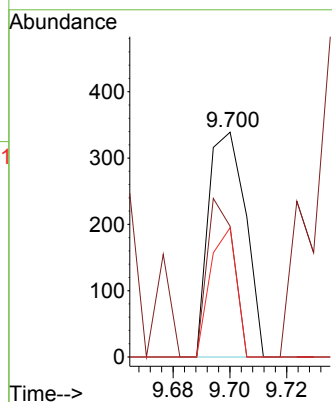
Tgt Ion: 88 Resp: 306

Ion Ratio Lower Upper

88 100

43 50.3 17.0 25.6#

58 40.5 47.0 70.4#



#50

Toluene-d8

Concen: 49.906 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080424.D

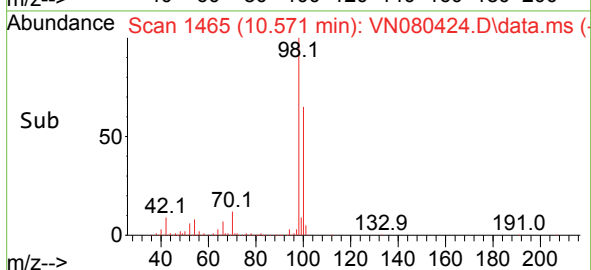
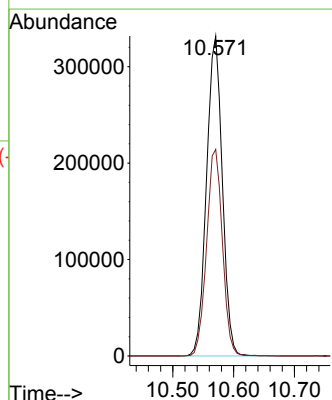
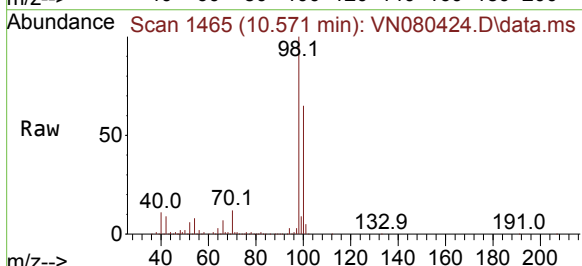
Acq: 08 Dec 2023 22:19

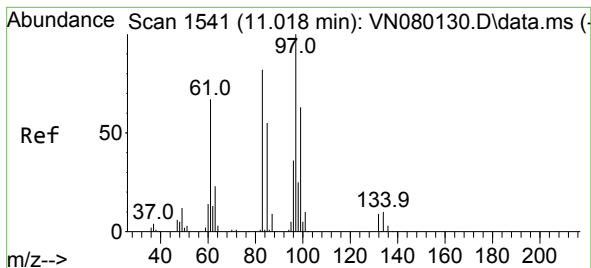
Tgt Ion: 98 Resp: 597049

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0





#55

1,1,2-Trichloroethane

Concen: 0.223 ug/l

RT: 11.006 min Scan# 1539

Delta R.T. -0.012 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 726

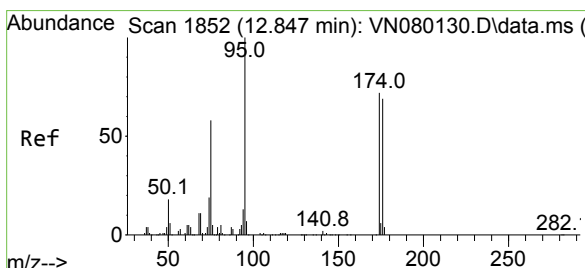
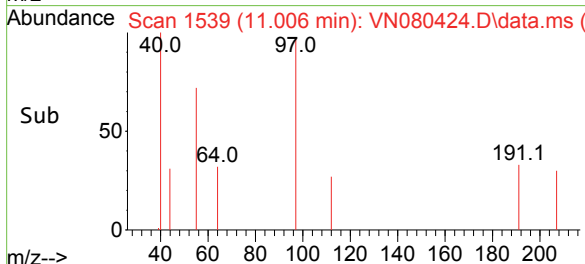
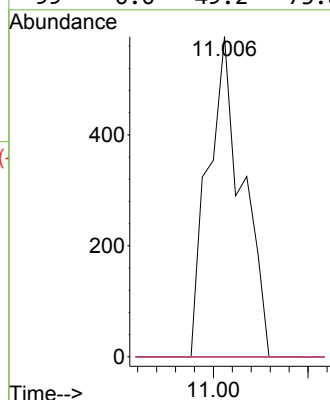
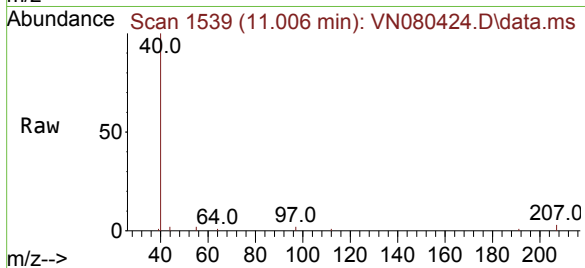
Ion Ratio Lower Upper

97 100

83 0.0 65.1 97.7#

85 0.0 43.4 65.2#

99 0.0 49.2 73.8#



#62

4-Bromofluorobenzene

Concen: 55.783 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

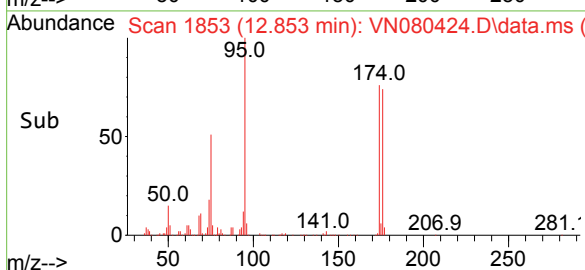
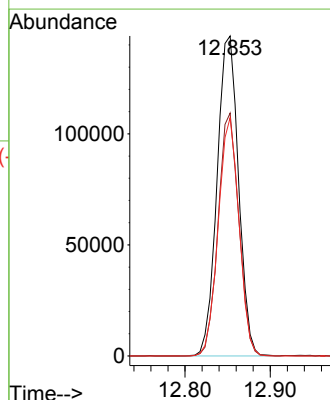
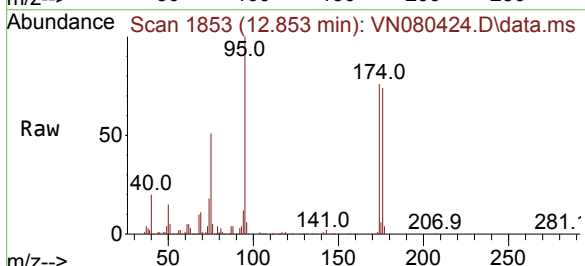
Tgt Ion: 95 Resp: 252074

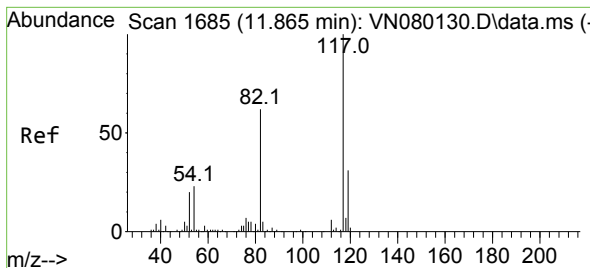
Ion Ratio Lower Upper

95 100

174 73.2 0.0 143.8

176 71.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

ClientSampleId :

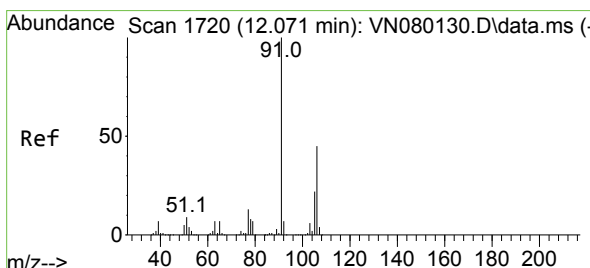
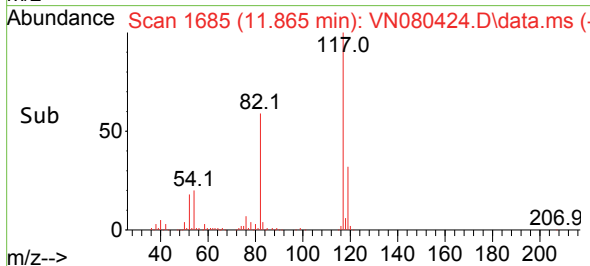
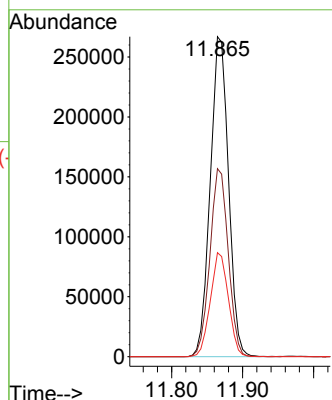
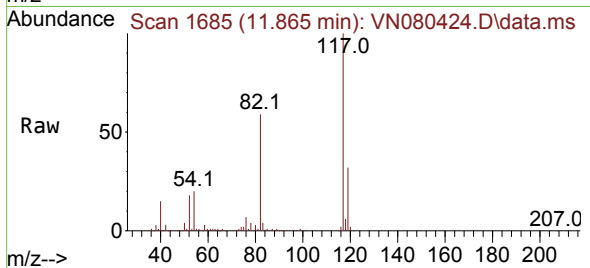
Tgt Ion:117 Resp: 475965

Ion Ratio Lower Upper

117 100

82 58.8 44.0 66.0

119 32.5 25.6 38.4



#68

m/p-Xylenes

Concen: 0.259 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN080424.D

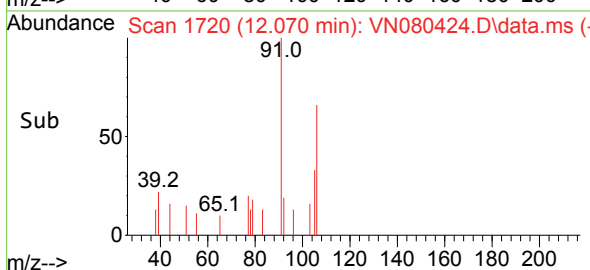
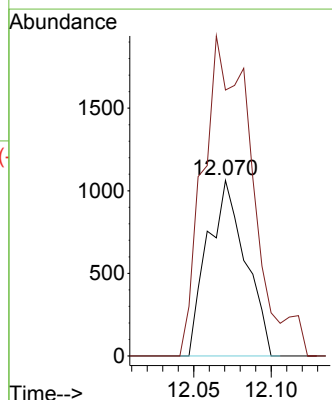
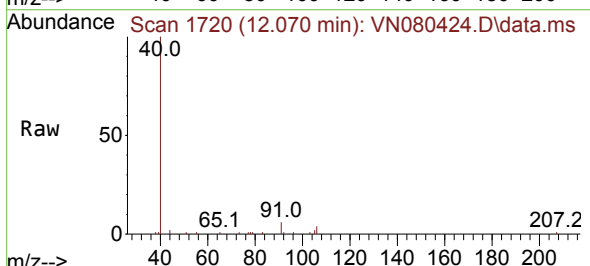
Acq: 08 Dec 2023 22:19

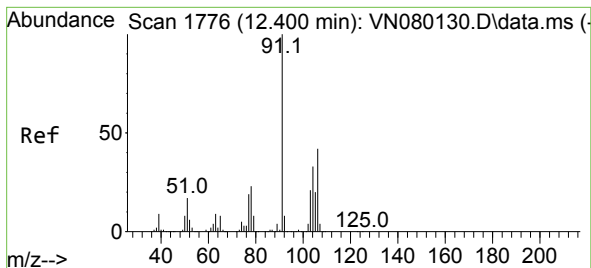
Tgt Ion:106 Resp: 1812

Ion Ratio Lower Upper

106 100

91 234.2 159.6 239.4





#69

o-Xylene

Concen: 0.757 ug/l

RT: 12.394 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

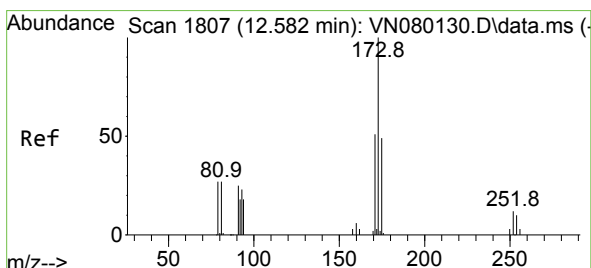
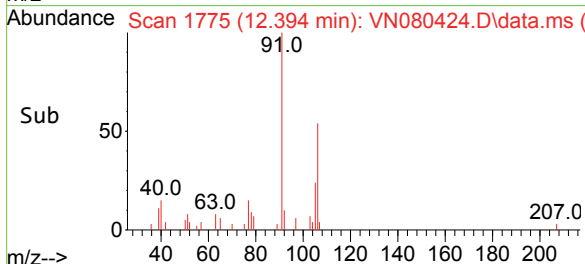
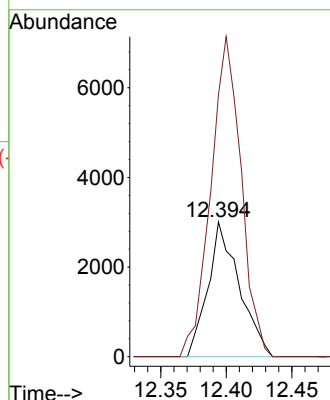
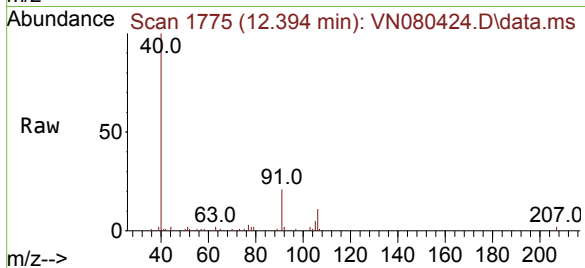
ClientSampleId :

Tgt Ion:106 Resp: 4993

Ion Ratio Lower Upper

106 100

91 230.0 105.2 315.5



#71

Bromoform

Concen: 0.343 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

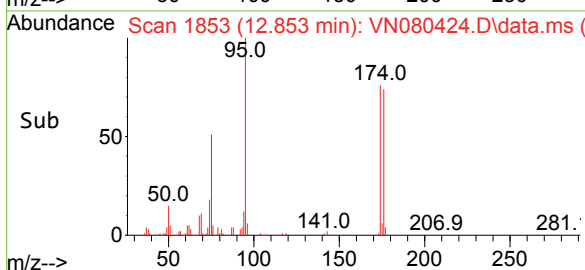
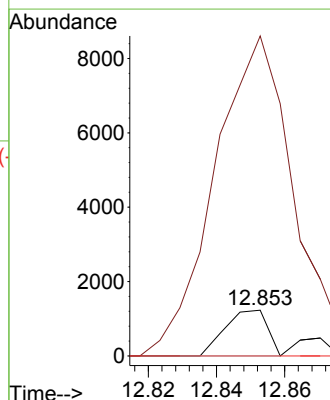
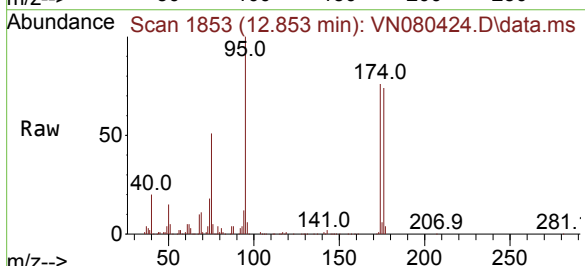
Tgt Ion:173 Resp: 1065

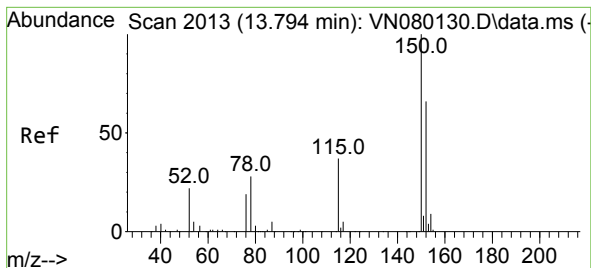
Ion Ratio Lower Upper

173 100

175 1098.6 24.3 73.0#

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: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

ClientSampleId :

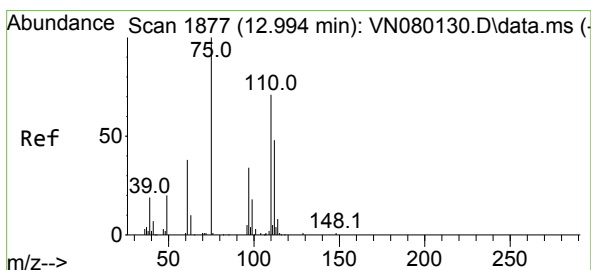
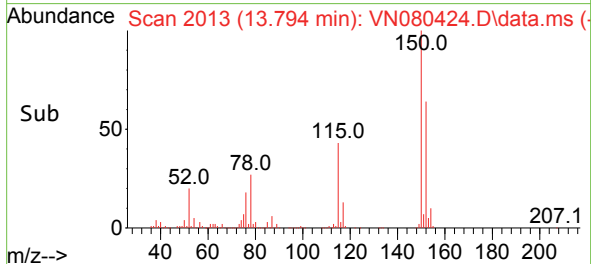
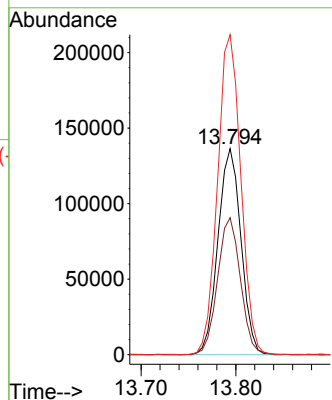
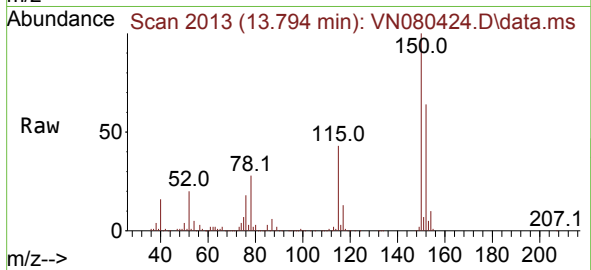
Tgt Ion:152 Resp: 230166

Ion Ratio Lower Upper

152 100

115 66.4 32.3 96.8

150 157.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 23.549 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080424.D

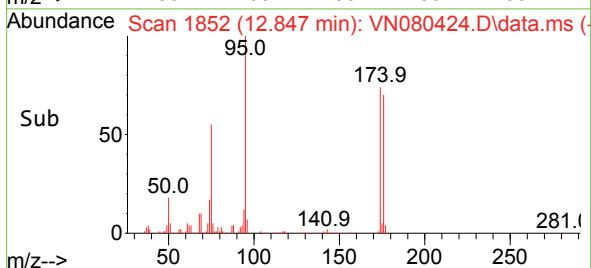
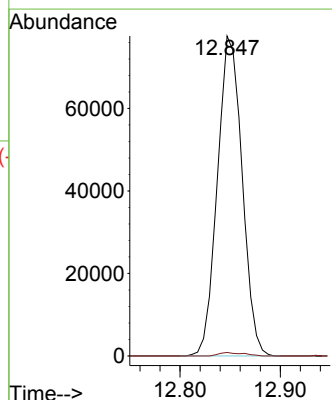
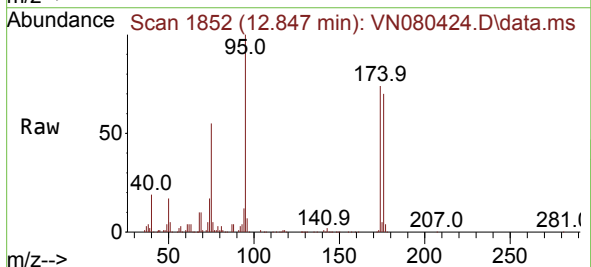
Acq: 08 Dec 2023 22:19

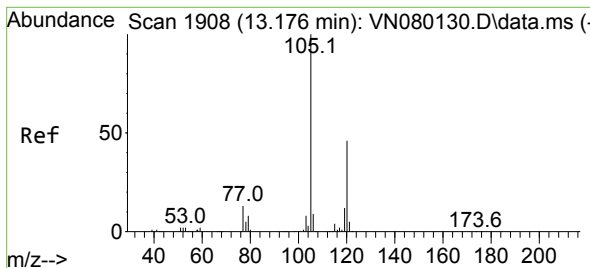
Tgt Ion: 75 Resp: 132801

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.948 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

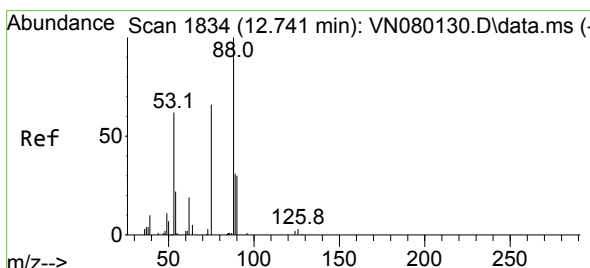
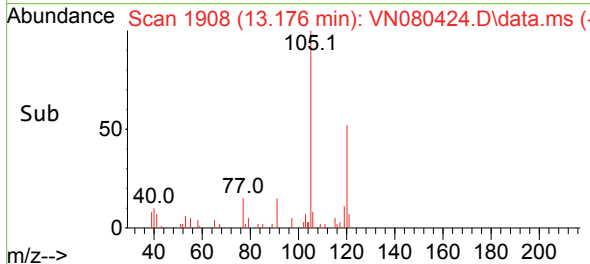
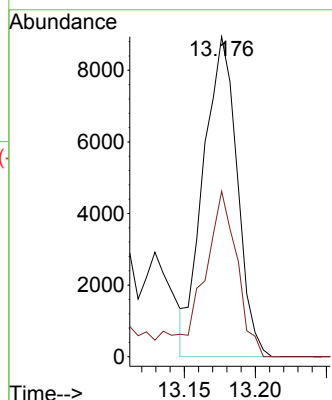
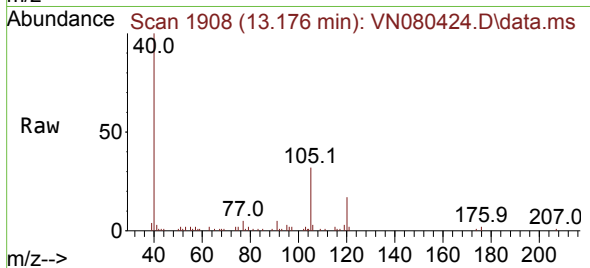
ClientSampleId :

Tgt Ion:105 Resp: 14757

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 79.561 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

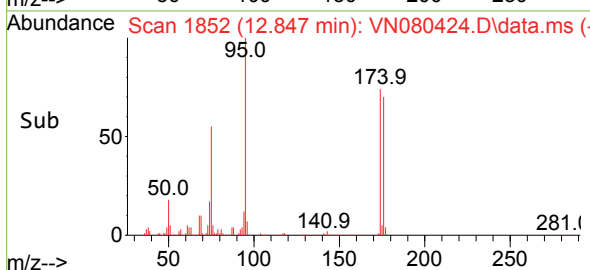
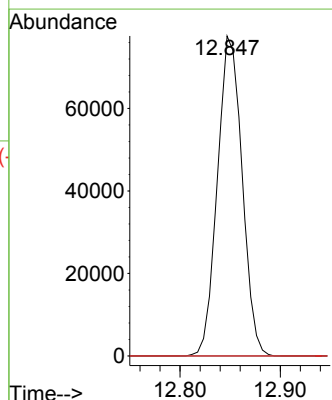
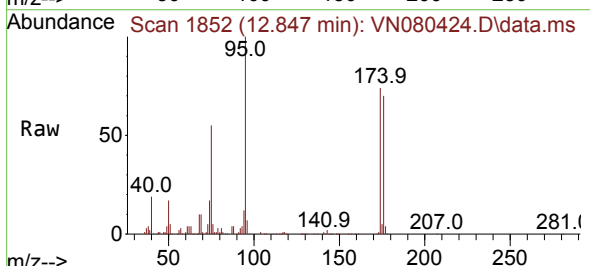
Tgt Ion: 75 Resp: 132801

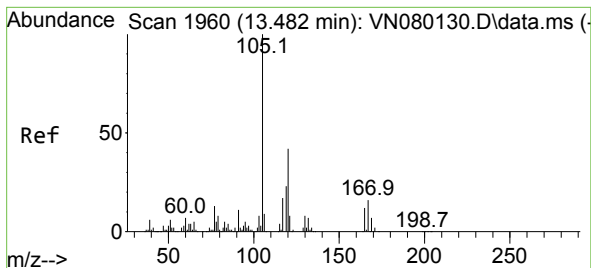
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 1.092 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

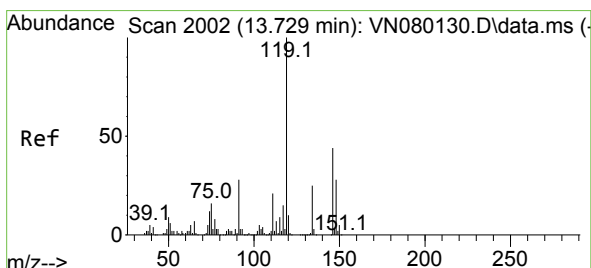
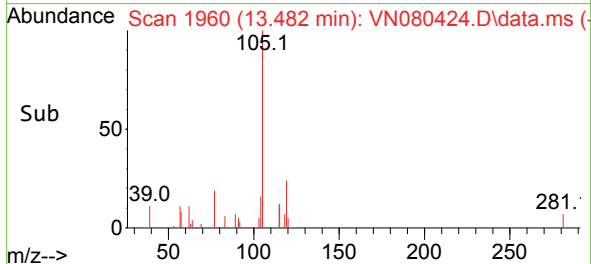
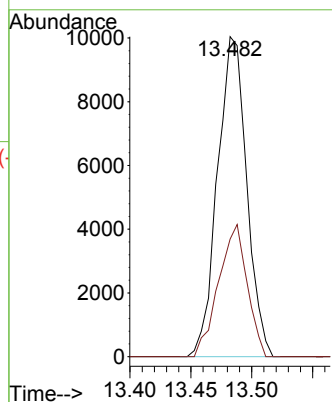
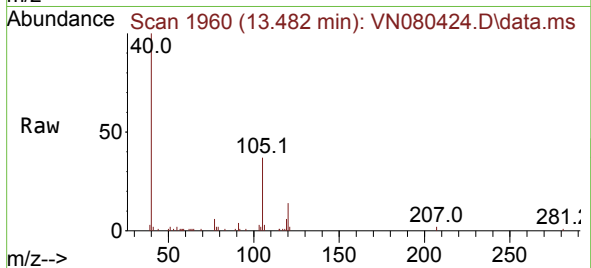
ClientSampleId :

Tgt Ion:105 Resp: 16738

Ion Ratio Lower Upper

105 100

120 40.3 22.0 66.0



#86

p-Isopropyltoluene

Concen: 0.219 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

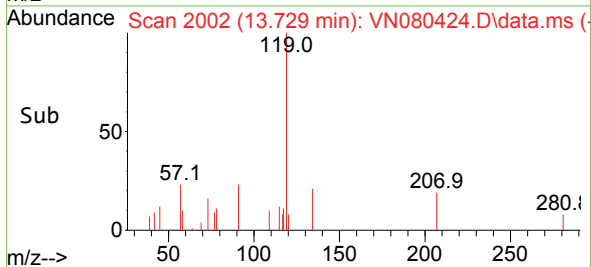
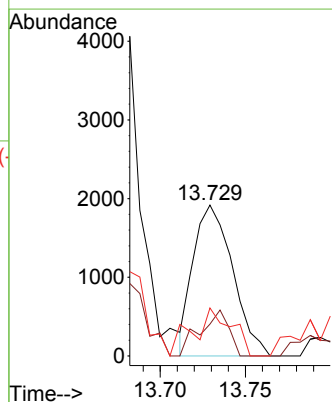
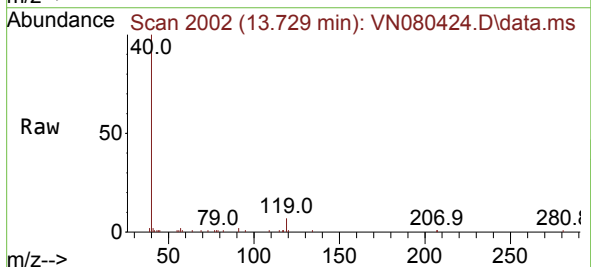
Tgt Ion:119 Resp: 3085

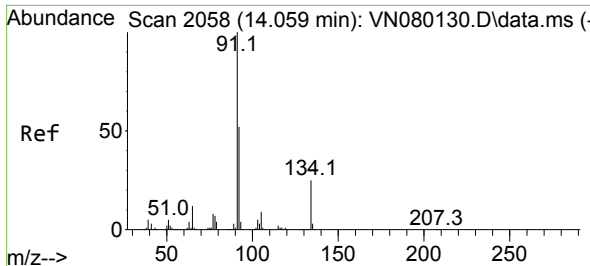
Ion Ratio Lower Upper

119 100

134 22.1 12.6 37.8

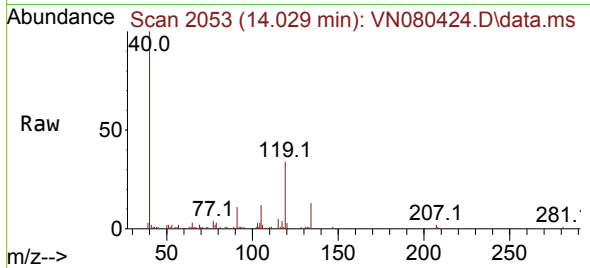
91 31.2 12.4 37.2



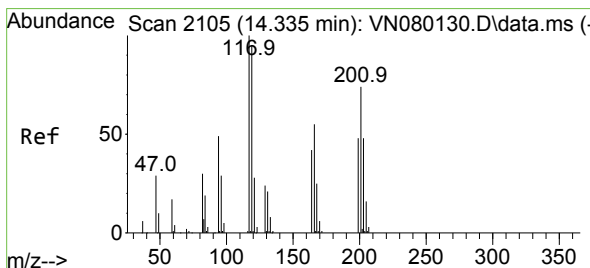
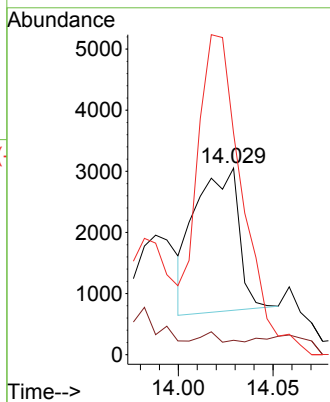
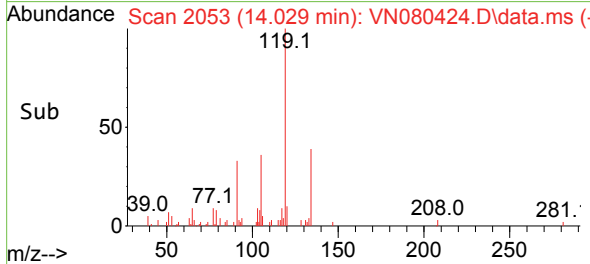


#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.030 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Instrument :
MSVOA_N
ClientSampleId :

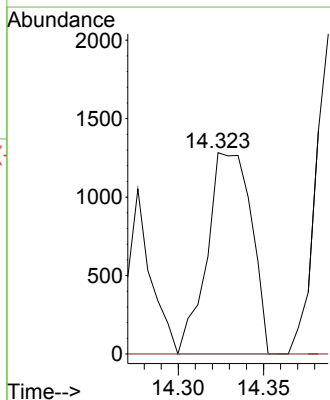
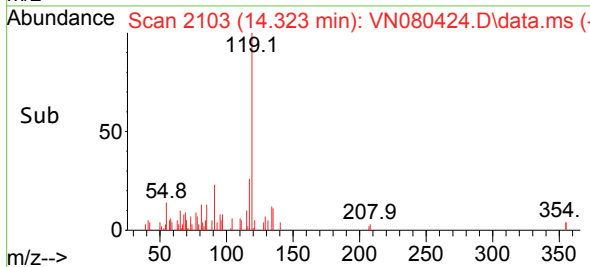
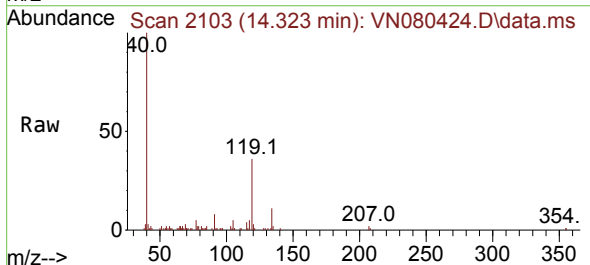


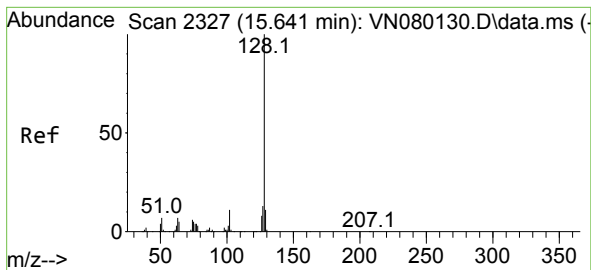
Tgt Ion: 91 Resp: 3729
Ion Ratio Lower Upper
91 100
92 12.4 26.4 79.0#
134 234.2 12.6 37.6#



#90
Hexachloroethane
Concen: 0.842 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.012 min
Lab File: VN080424.D
Acq: 08 Dec 2023 22:19

Tgt Ion: 117 Resp: 2316
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#95

Naphthalene

Concen: 0.268 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

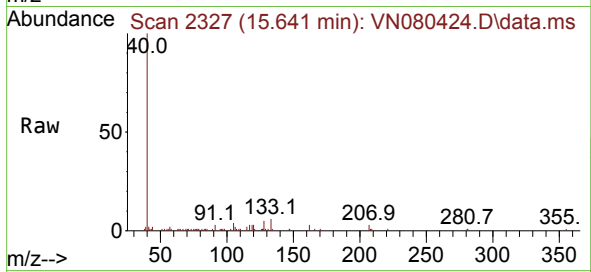
Lab File: VN080424.D

Acq: 08 Dec 2023 22:19

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 3512

Ion Ratio Lower Upper

128 100

127 9.5 10.0 15.0#

129 14.2 8.7 13.1#

