

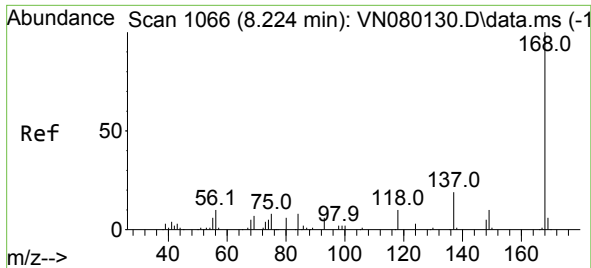
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080369.D
 Acq On : 05 Dec 2023 16:45
 Operator : JC\MD
 Sample : 05632-01 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:53:53 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	8.224	168	152959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139091	55.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.140%	
35) Dibromofluoromethane	8.165	113	106306	51.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.720%	
50) Toluene-d8	10.571	98	371126	49.744	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	12.847	95	146990	52.160	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.320%	
Target Compounds						Qvalue
6) Chloroethane	3.118	64	781	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	358	1.289	ug/l #	72
13) Acrolein	4.189	56	56	0.228	ug/l #	16
16) Acetone	4.430	43	381	0.449	ug/l #	40
17) Carbon Disulfide	4.706	76	1382	0.286	ug/l #	75
18) Methyl Acetate	5.030	43	1254	0.460	ug/l #	88
20) Methylene Chloride	5.277	84	570	0.321	ug/l #	88
31) Cyclohexane	8.218	56	3755	1.367	ug/l #	32
36) 1,1-Dichloropropene	8.218	75	13239	4.418	ug/l #	51
38) Carbon Tetrachloride	8.224	117	17885	4.703	ug/l #	19
43) Isopropyl Acetate	8.718	43	997	0.246	ug/l #	49
59) 2-Hexanone	11.194	43	723	0.430	ug/l #	41
71) Bromoform	12.847	173	888	0.455	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	82251	24.729	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82251	83.549	ug/l #	15
88) 1,4-Dichlorobenzene	13.812	146	1242	0.258	ug/l #	1
89) n-Butylbenzene	14.065	91	2243	0.322	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	1018	0.222	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	1490	0.559	ug/l	80
94) Hexachlorobutadiene	15.506	225	738	0.481	ug/l	87
95) Naphthalene	15.641	128	8847	1.144	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1878	0.751	ug/l	94

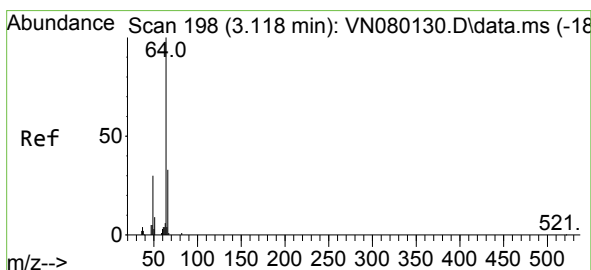
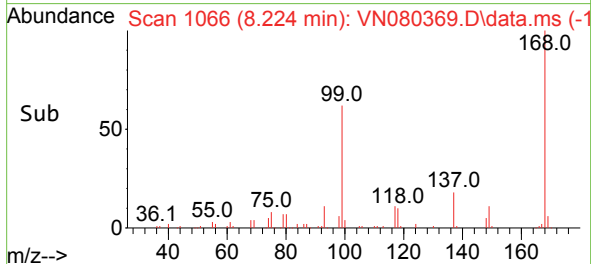
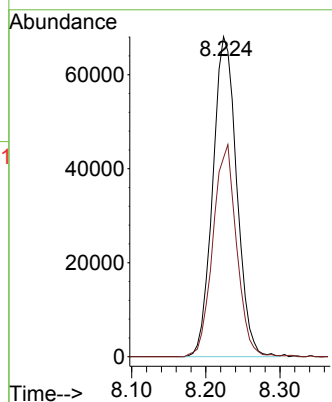
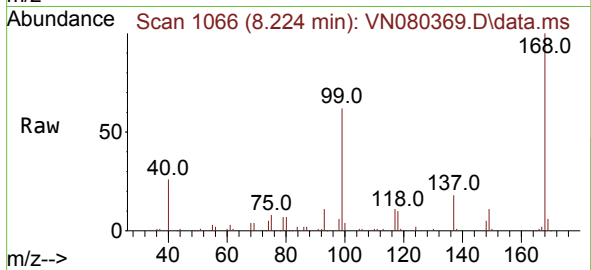
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

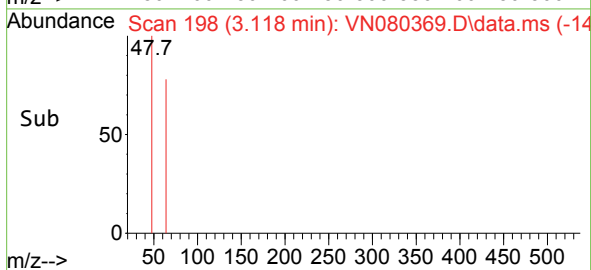
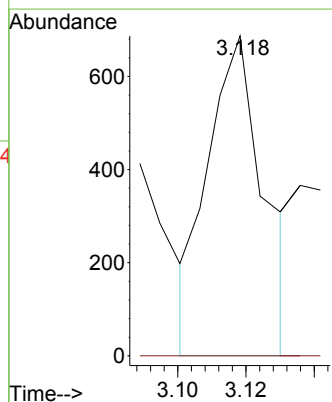
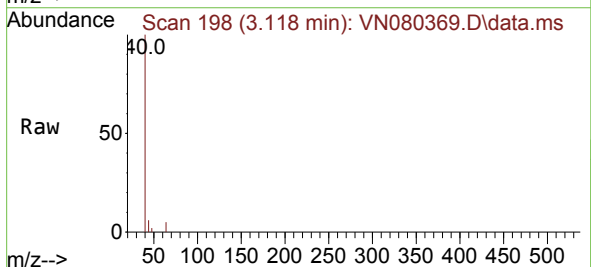
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MSVOA_N
ClientSampleId :

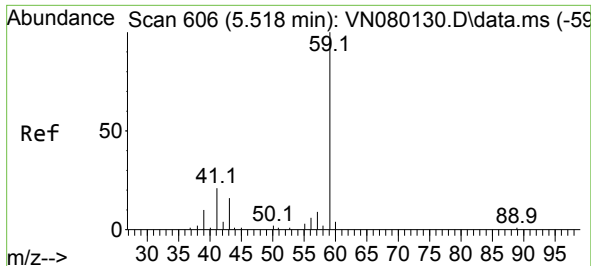
Tgt Ion:168 Resp: 152959
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Tgt Ion: 64 Resp: 781
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

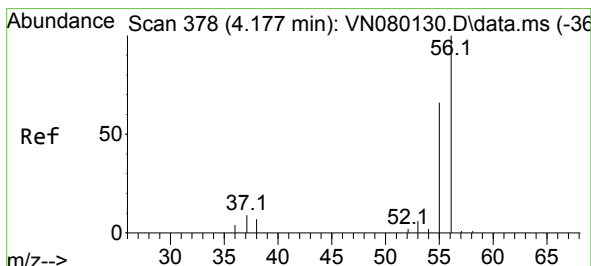
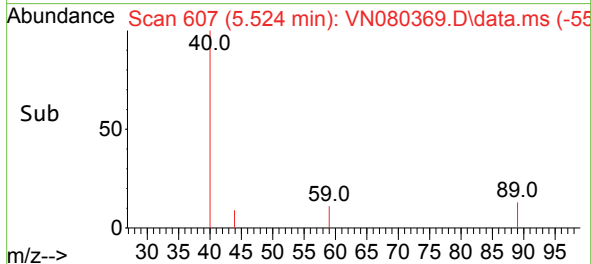
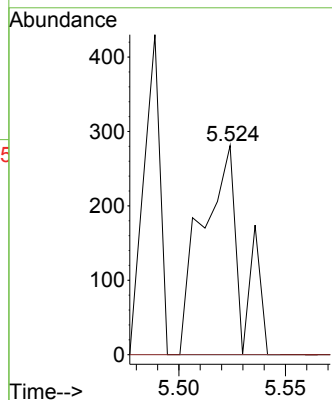
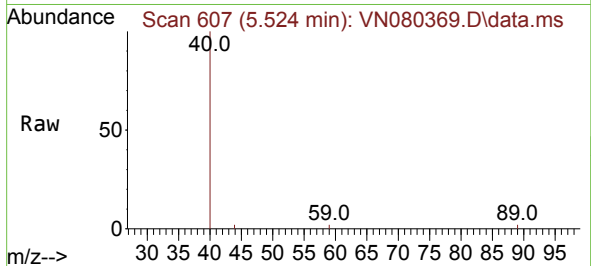




#11
Tert butyl alcohol
Concen: 1.289 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

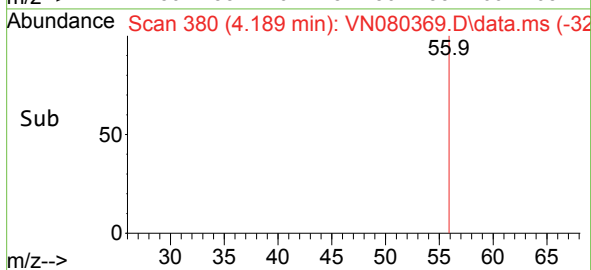
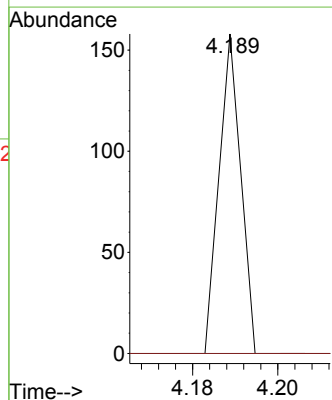
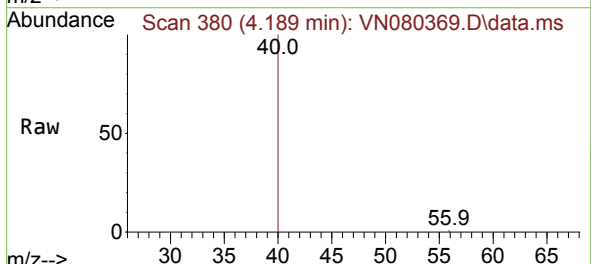
Instrument :
MSVOA_N
ClientSampleId :

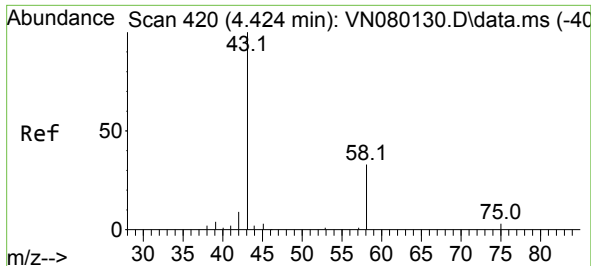
Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.228 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 0.449 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

Instrument :

MSVOA_N

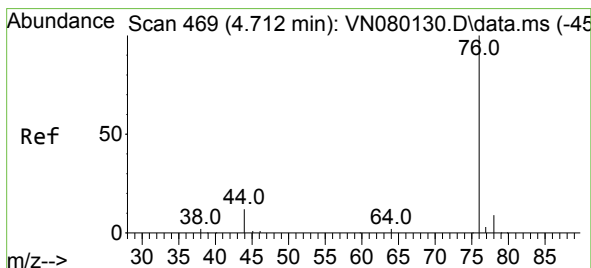
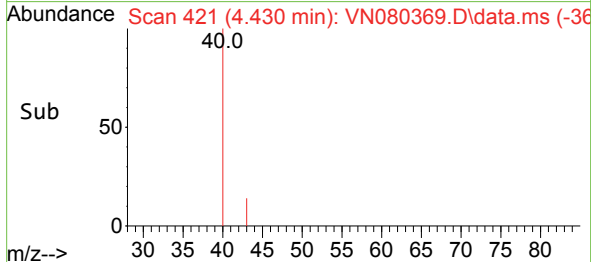
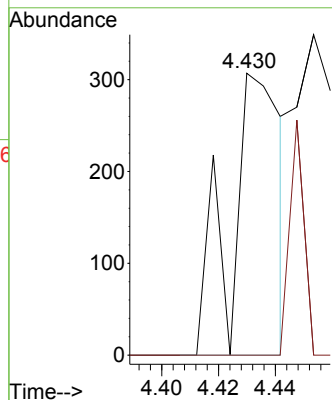
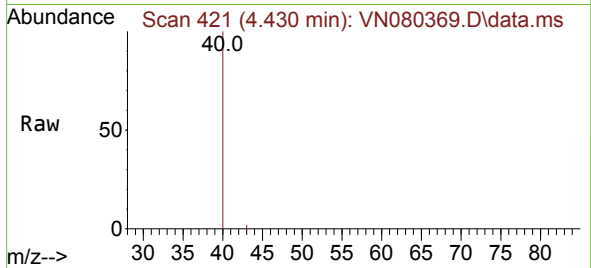
ClientSampleId :

Tgt Ion: 43 Resp: 381

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.286 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN080369.D

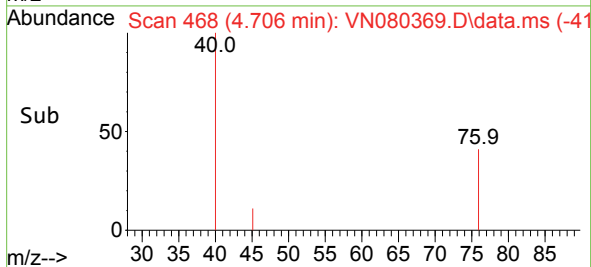
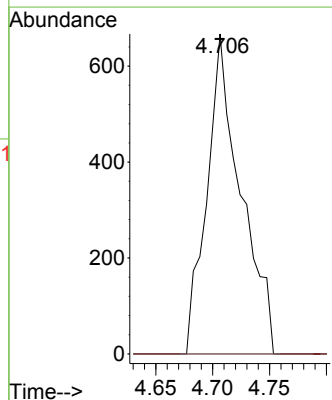
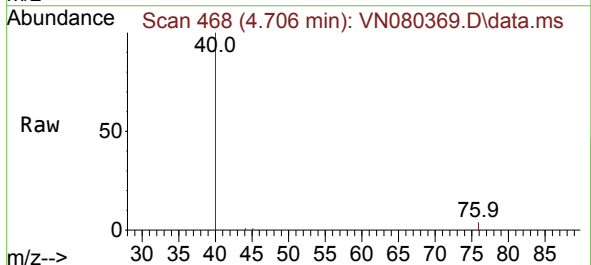
Acq: 05 Dec 2023 16:45

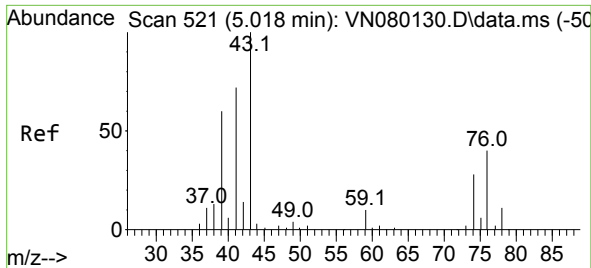
Tgt Ion: 76 Resp: 1382

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

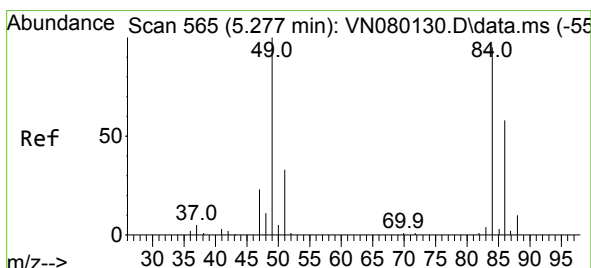
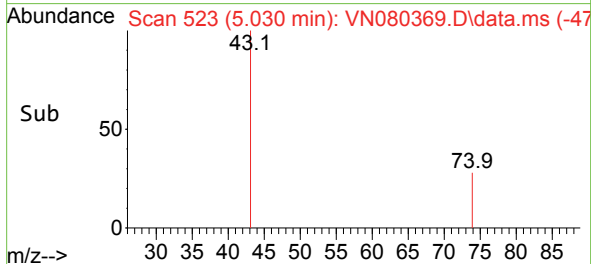
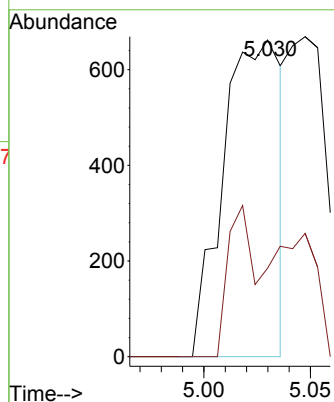
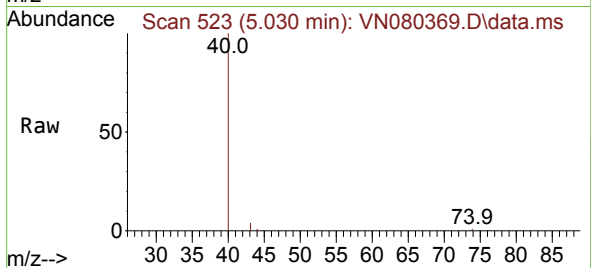




#18
Methyl Acetate
Concen: 0.460 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

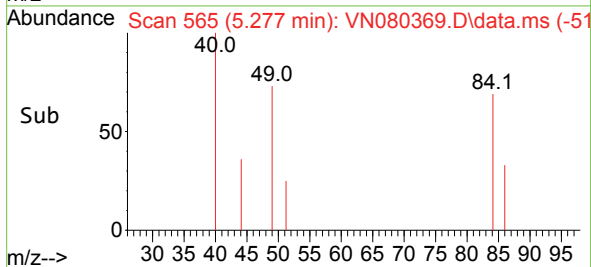
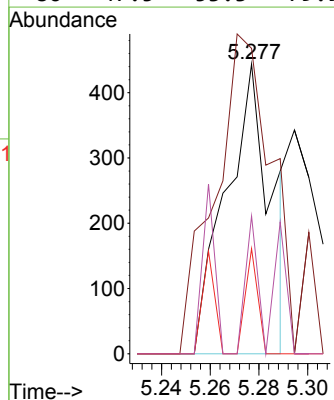
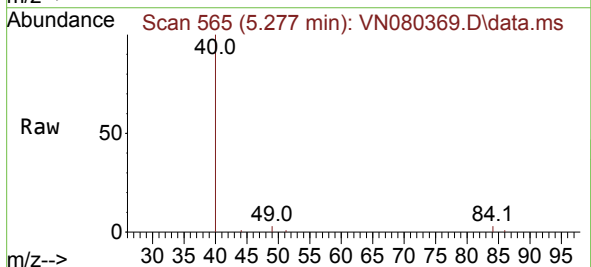
Instrument :
MSVOA_N
ClientSampleId :

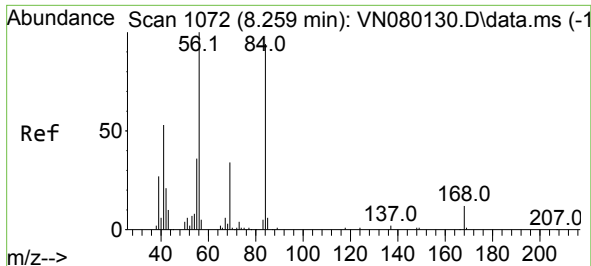
Tgt Ion: 43 Resp: 1254
Ion Ratio Lower Upper
43 100
74 25.8 26.2 39.4#



#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

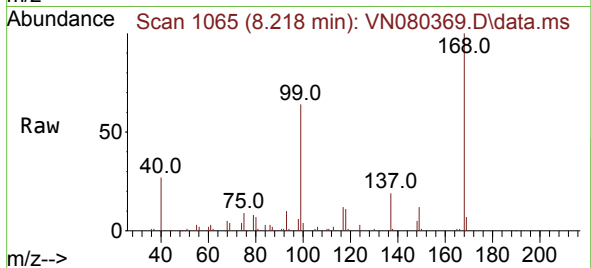
Tgt Ion: 84 Resp: 570
Ion Ratio Lower Upper
84 100
49 105.4 79.7 119.5
51 36.3 25.2 37.8
86 47.5 53.3 79.9#



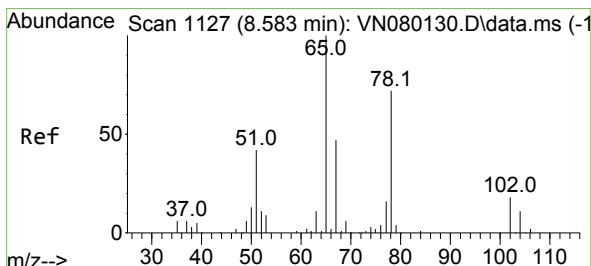
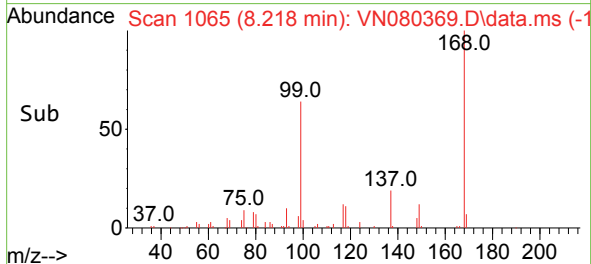
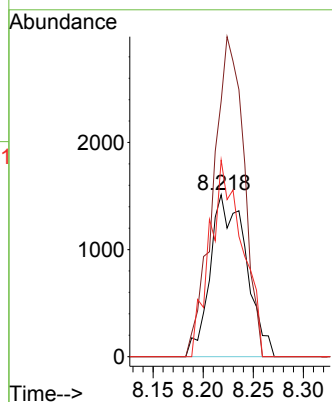


#31
Cyclohexane
Concen: 1.367 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :

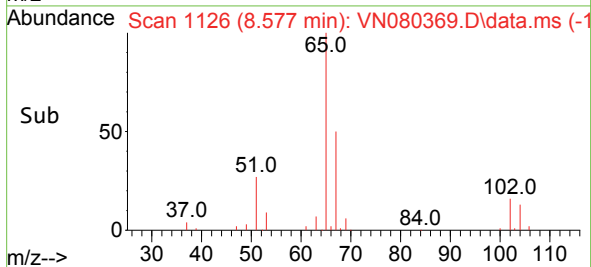
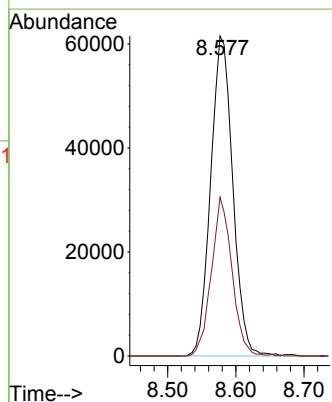
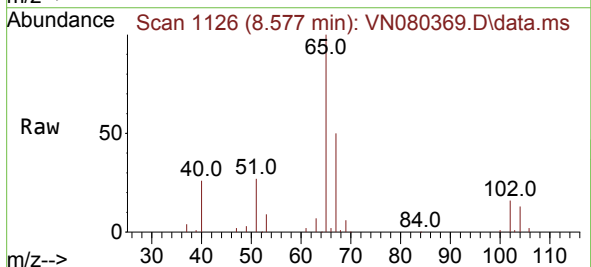


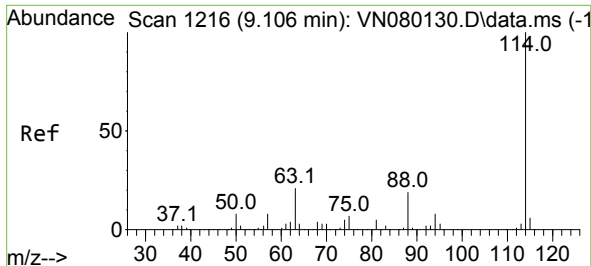
Tgt Ion: 56 Resp: 3755
Ion Ratio Lower Upper
56 100
69 157.8 26.8 40.2#
84 121.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.073 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Tgt Ion: 65 Resp: 139091
Ion Ratio Lower Upper
65 100
67 46.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

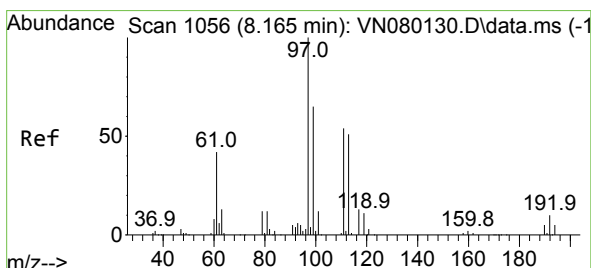
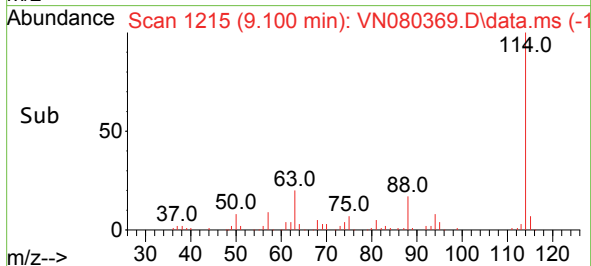
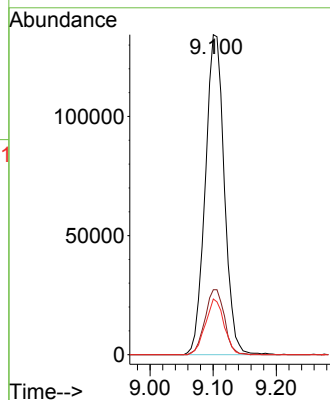
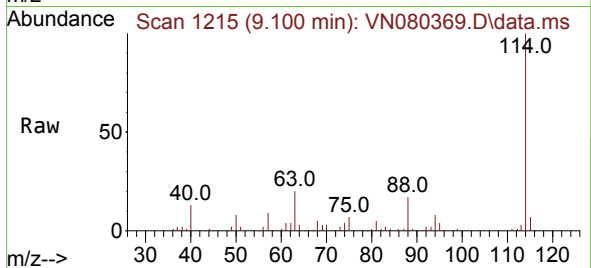
Tgt Ion:114 Resp: 280492

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 17.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.364 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

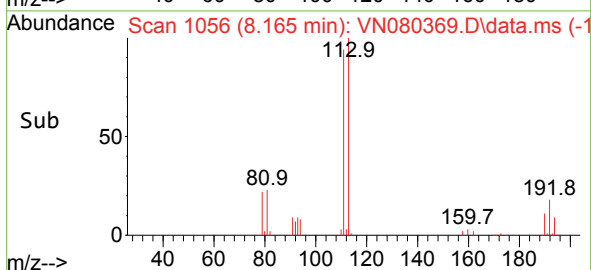
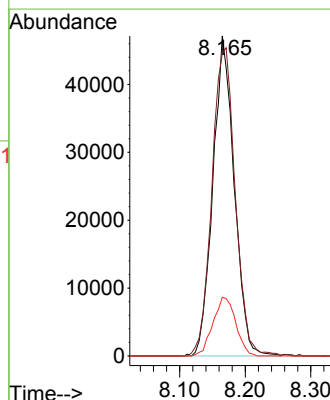
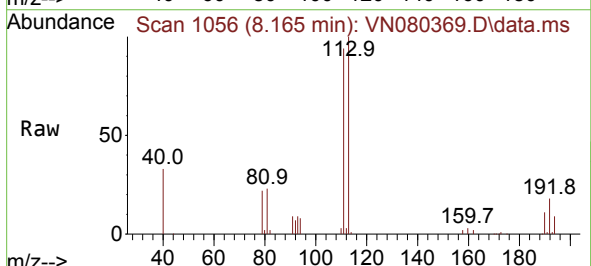
Tgt Ion:113 Resp: 106306

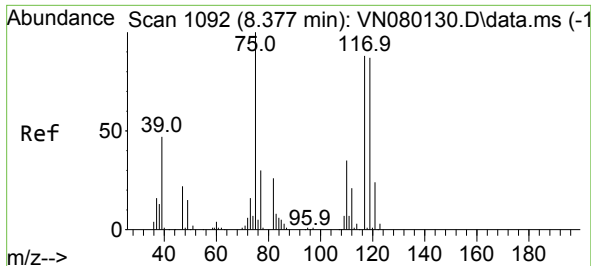
Ion Ratio Lower Upper

113 100

111 105.4 82.6 123.8

192 19.6 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.418 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

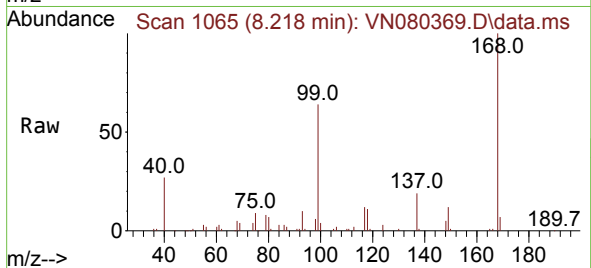
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Acq: 05 Dec 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :



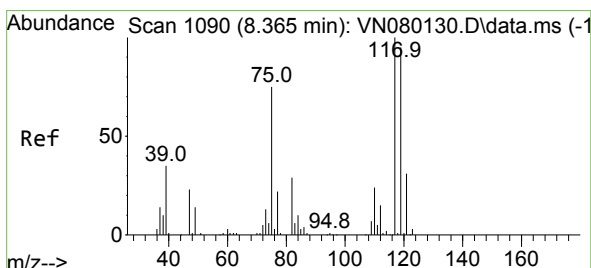
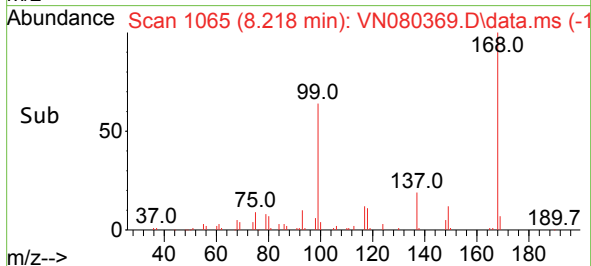
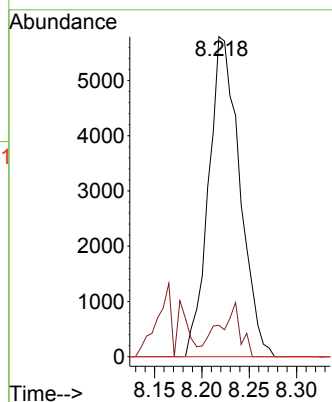
Tgt Ion: 75 Resp: 13239

Ion Ratio Lower Upper

75 100

110 11.9 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.703 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

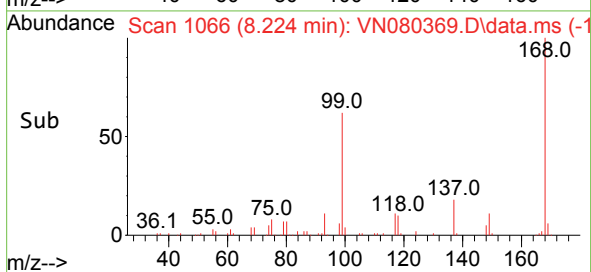
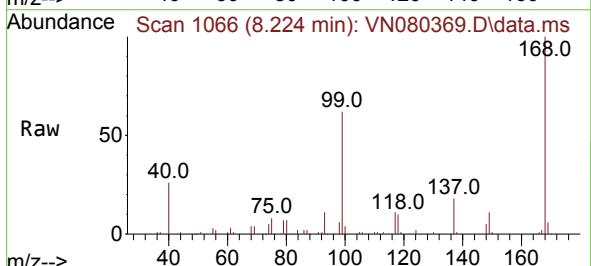
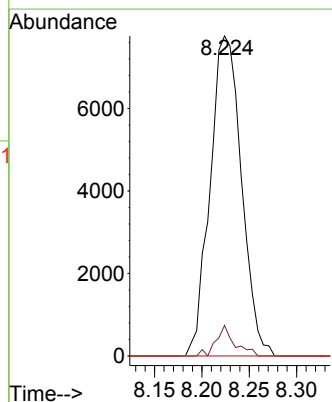
Tgt Ion: 117 Resp: 17885

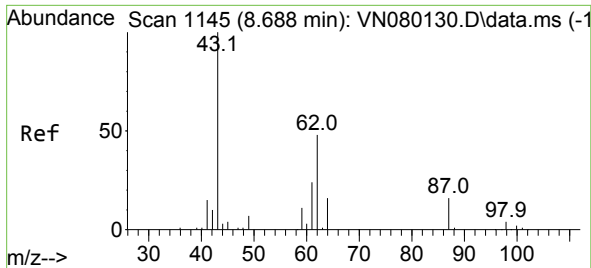
Ion Ratio Lower Upper

117 100

119 9.6 77.3 115.9#

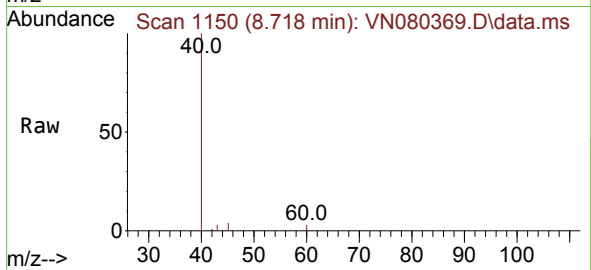
121 0.0 23.3 34.9#



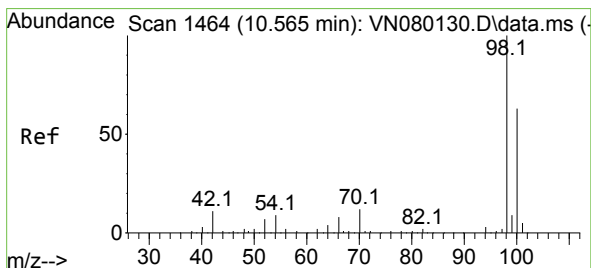
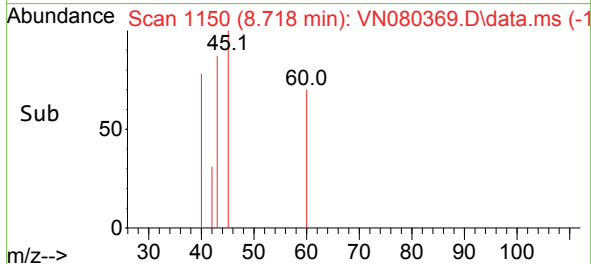
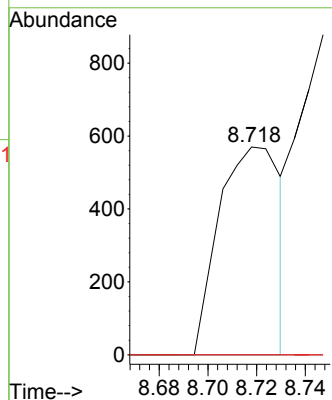


#43
Isopropyl Acetate
Concen: 0.246 ug/l
RT: 8.718 min Scan# 1145
Delta R.T. 0.029 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :

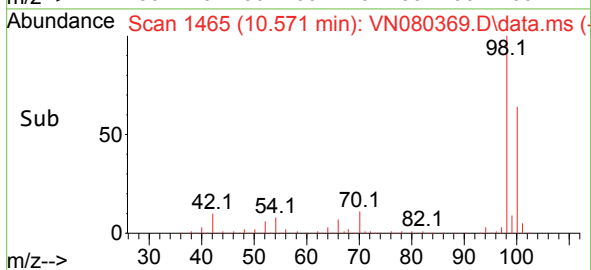
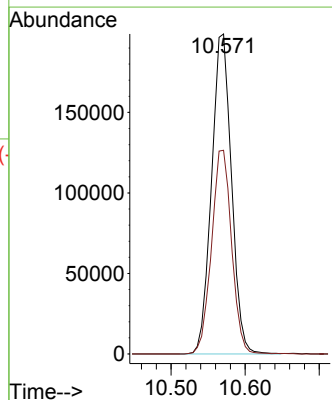
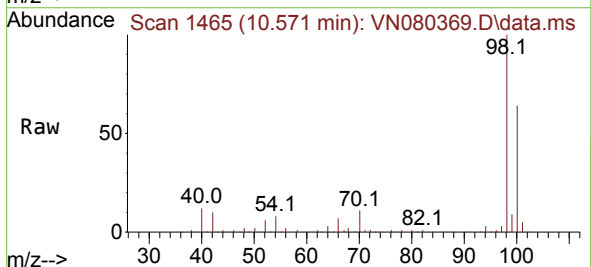


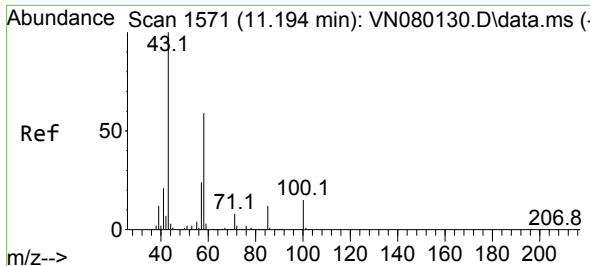
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.744 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Tgt Ion: 98 Resp: 371126
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

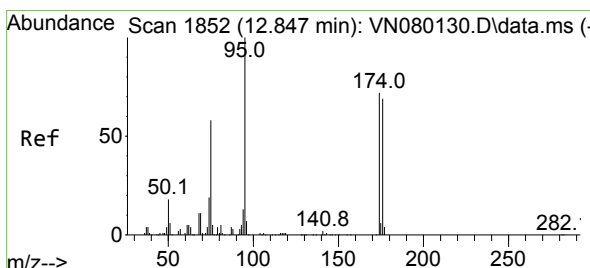
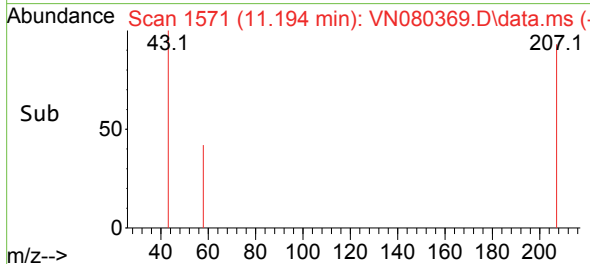
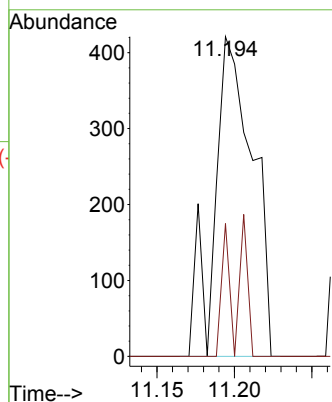
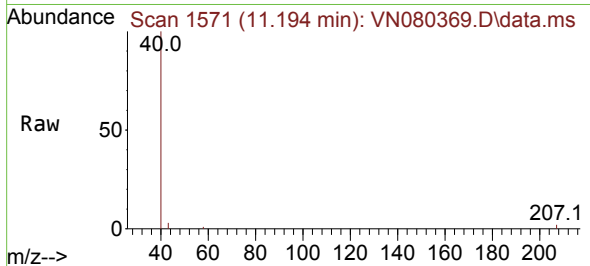




#59
2-Hexanone
Concen: 0.430 ug/l
RT: 11.194 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

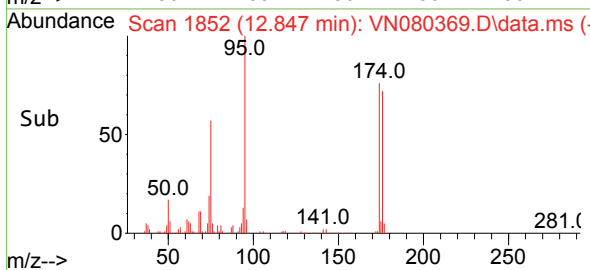
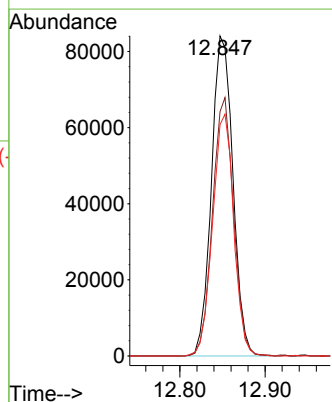
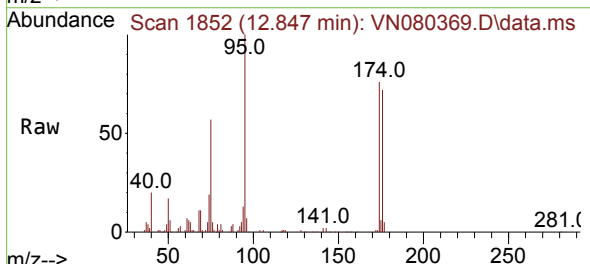
Instrument :
MSVOA_N
ClientSampleId :

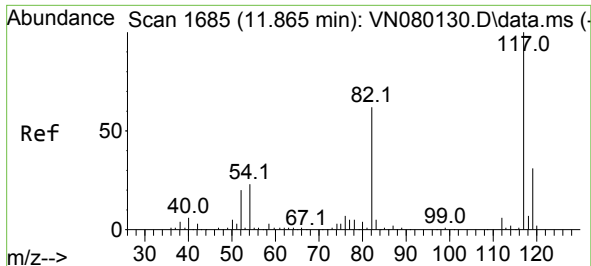
Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 17.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

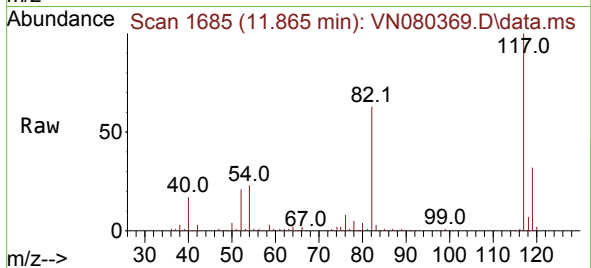
Tgt Ion: 95 Resp: 146990
Ion Ratio Lower Upper
95 100
174 79.4 0.0 143.8
176 74.6 0.0 135.8



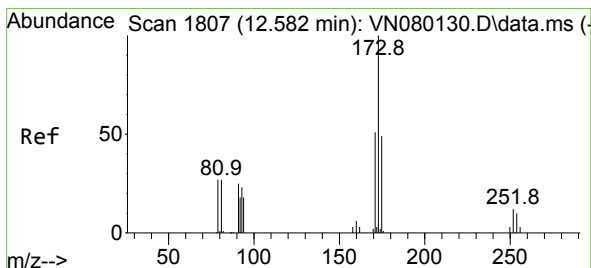
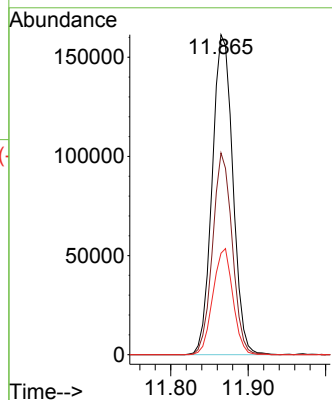
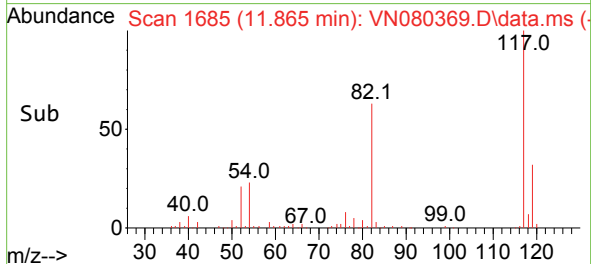


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :

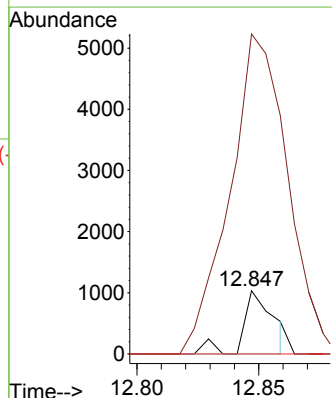
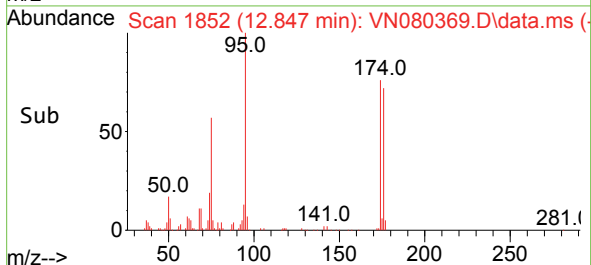
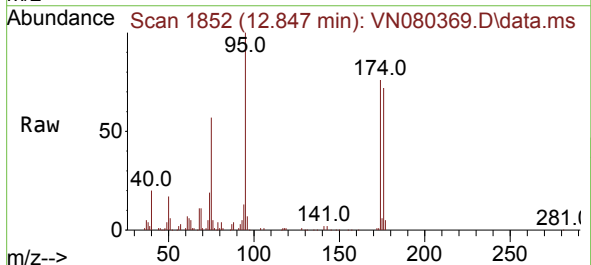


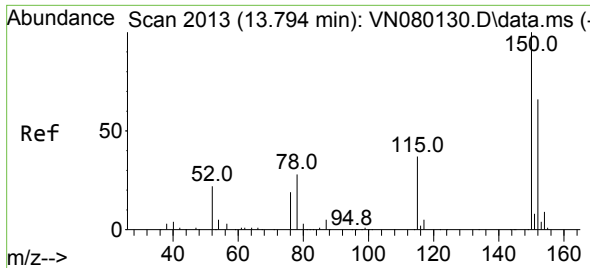
Tgt Ion:117 Resp: 298966
Ion Ratio Lower Upper
117 100
82 63.1 44.0 66.0
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.455 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Tgt Ion:173 Resp: 888
Ion Ratio Lower Upper
173 100
175 832.2 24.3 73.0#
254 0.0 0.0 0.0

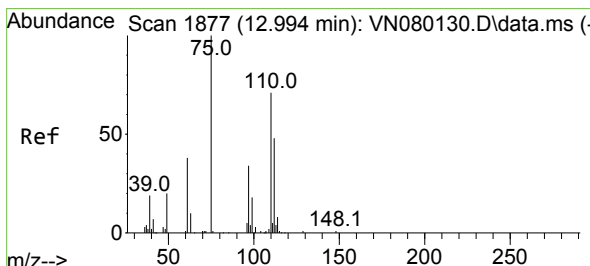
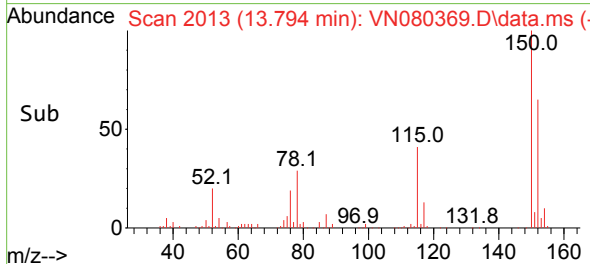
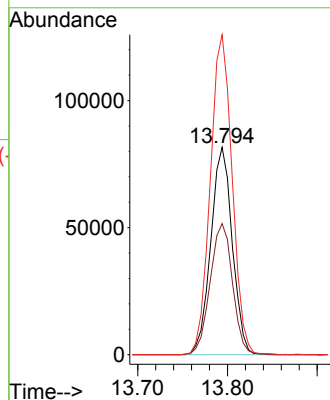
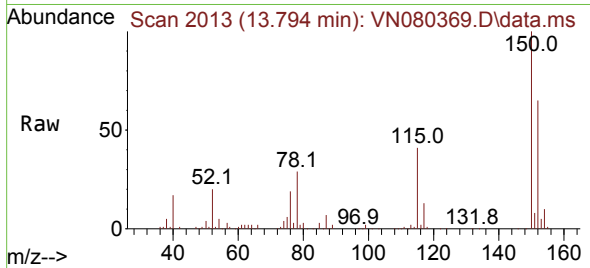




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080369.D
 Acq: 05 Dec 2023 16:45

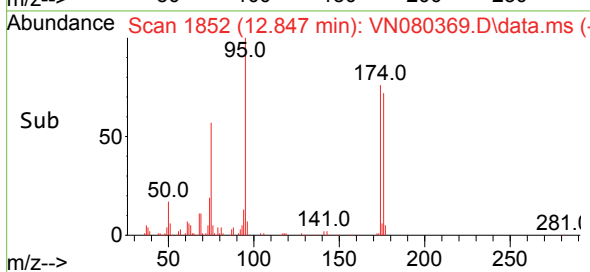
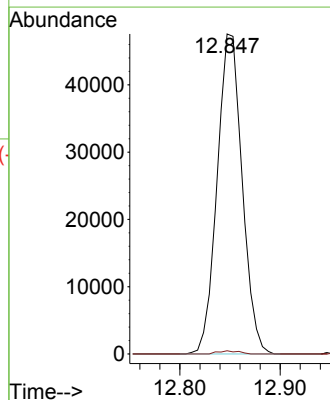
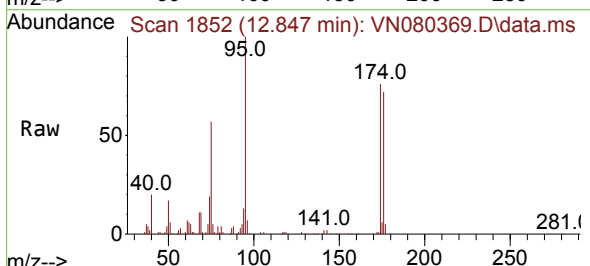
Instrument :
 MSVOA_N
 ClientSampleId :

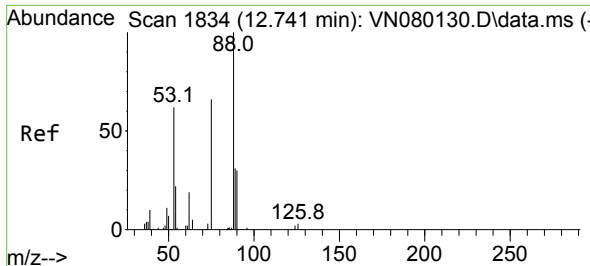
Tgt Ion:152 Resp: 135750
 Ion Ratio Lower Upper
 152 100
 115 65.6 32.3 96.8
 150 156.8 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 24.729 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080369.D
 Acq: 05 Dec 2023 16:45

Tgt Ion: 75 Resp: 82251
 Ion Ratio Lower Upper
 75 100
 77 0.8 84.5 253.5#

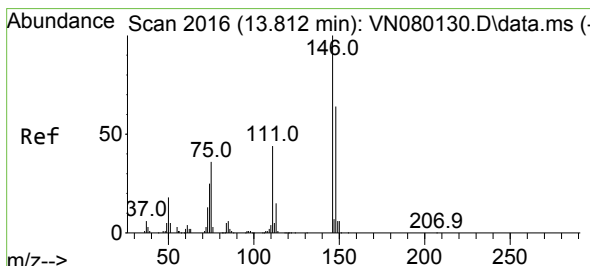
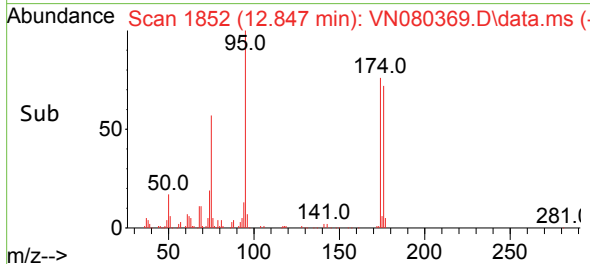
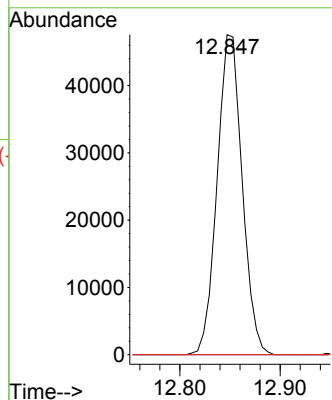
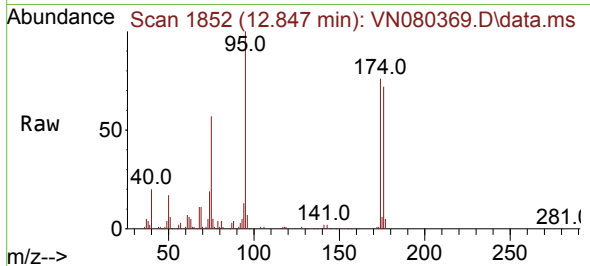




#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.549 ug/l
 RT: 12.847 min Scan# 1834
 Delta R.T. 0.106 min
 Lab File: VN080369.D
 Acq: 05 Dec 2023 16:45

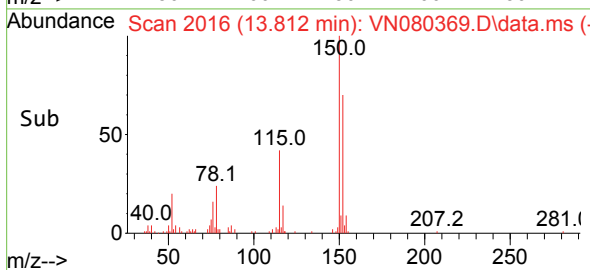
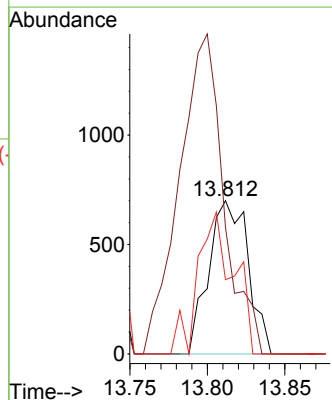
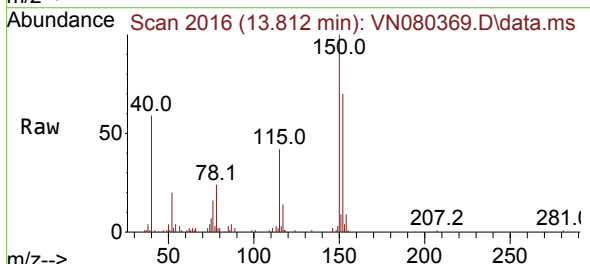
Instrument :
 MSVOA_N
 ClientSampleId :

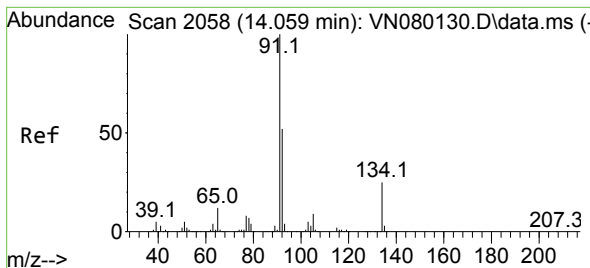
Tgt Ion: 75 Resp: 82251
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#88
 1,4-Dichlorobenzene
 Concen: 0.258 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN080369.D
 Acq: 05 Dec 2023 16:45

Tgt Ion:146 Resp: 1242
 Ion Ratio Lower Upper
 146 100
 111 235.0 20.6 61.8#
 148 83.4 31.6 94.8





#89

n-Butylbenzene

Concen: 0.322 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

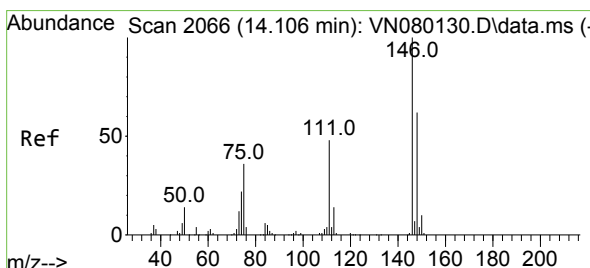
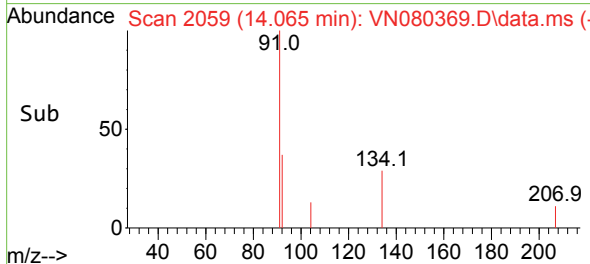
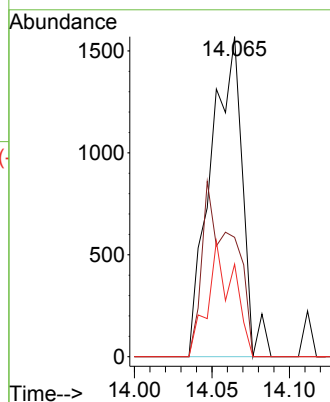
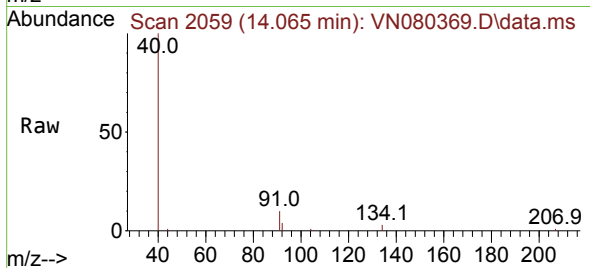
Tgt Ion: 91 Resp: 2243

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.0

134 29.2 12.6 37.6



#91

1,2-Dichlorobenzene

Concen: 0.222 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.006 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

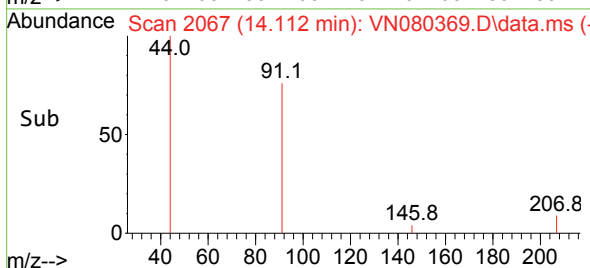
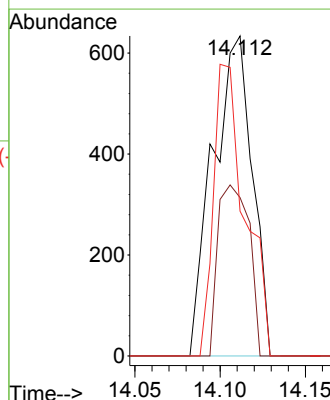
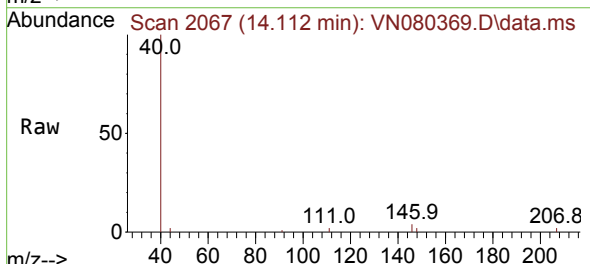
Tgt Ion:146 Resp: 1018

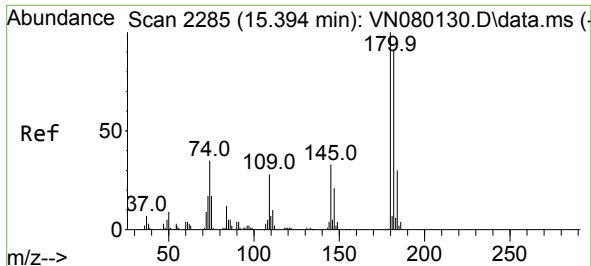
Ion Ratio Lower Upper

146 100

111 42.5 22.0 66.0

148 72.8 31.8 95.3

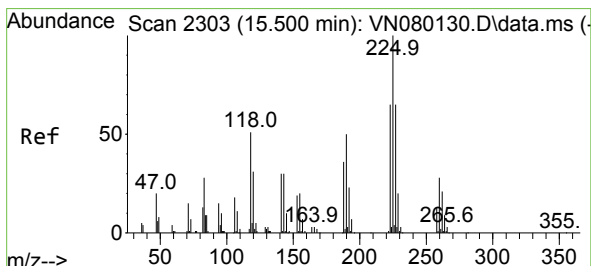
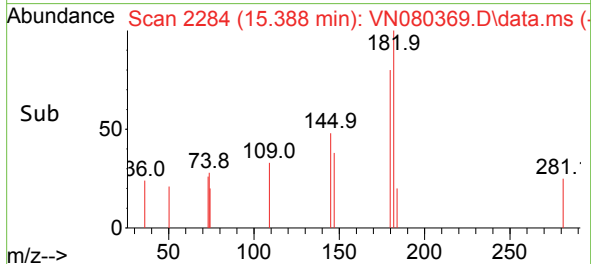
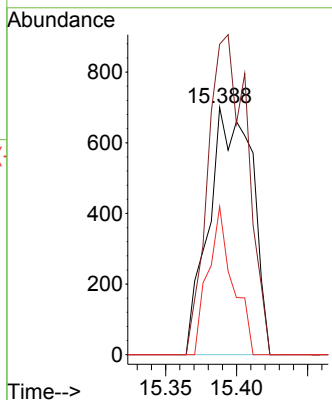
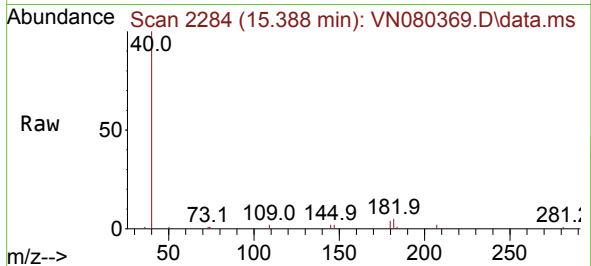




#93
1,2,4-Trichlorobenzene
Concen: 0.559 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

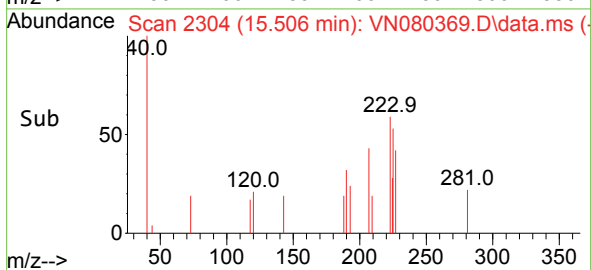
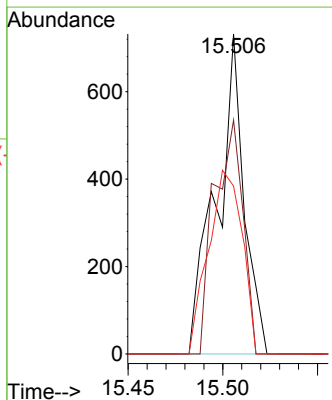
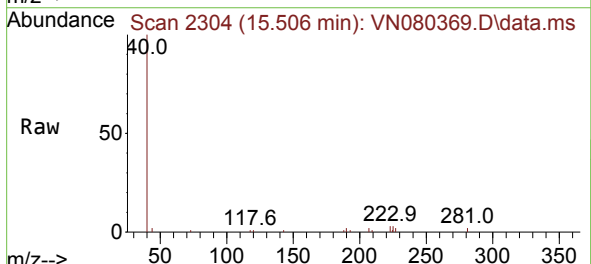
Instrument :
MSVOA_N
ClientSampleId :

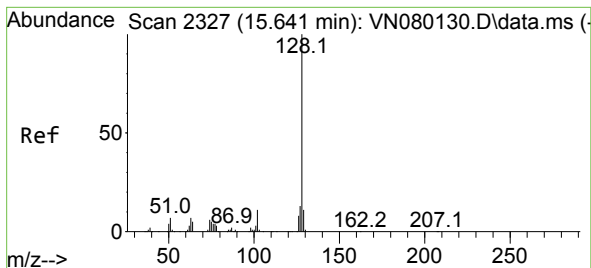
Tgt Ion:180 Resp: 1490
Ion Ratio Lower Upper
180 100
182 117.2 46.1 138.2
145 34.0 16.6 49.8



#94
Hexachlorobutadiene
Concen: 0.481 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN080369.D
Acq: 05 Dec 2023 16:45

Tgt Ion:225 Resp: 738
Ion Ratio Lower Upper
225 100
223 76.0 31.3 93.8
227 70.5 31.9 95.9





#95

Naphthalene

Concen: 1.144 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

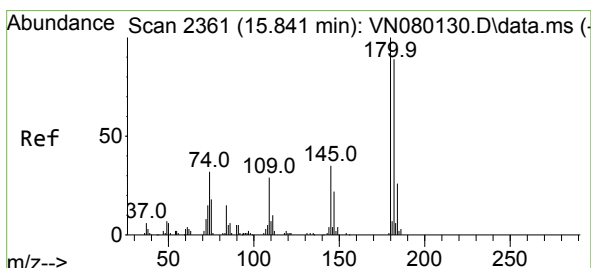
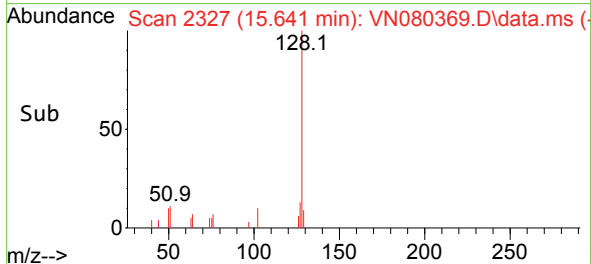
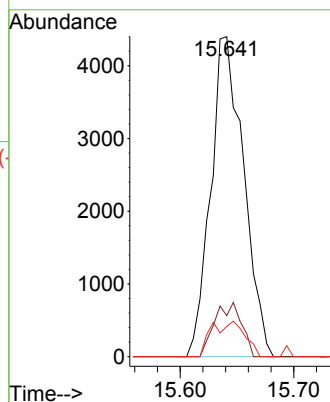
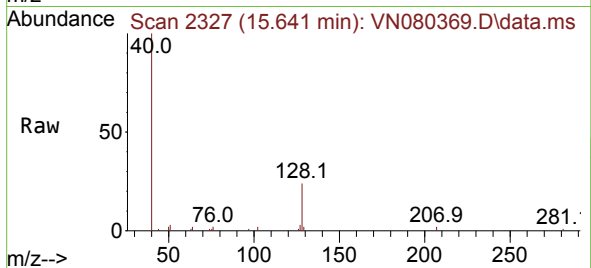
Tgt Ion:128 Resp: 8847

Ion Ratio Lower Upper

128 100

127 13.8 10.0 15.0

129 11.2 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.751 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080369.D

Acq: 05 Dec 2023 16:45

Tgt Ion:180 Resp: 1878

Ion Ratio Lower Upper

180 100

182 100.0 46.2 138.6

145 36.0 17.5 52.6

