

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080393.D
 Acq On : 06 Dec 2023 17:57
 Operator : JC\MD
 Sample : 05631-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:04:36 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	168166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	308739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	324612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145346	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150423	54.174	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.340%	
35) Dibromofluoromethane	8.165	113	118324	51.940	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.880%	
50) Toluene-d8	10.571	98	411560	50.117	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	12.853	95	162330	52.334	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.660%	

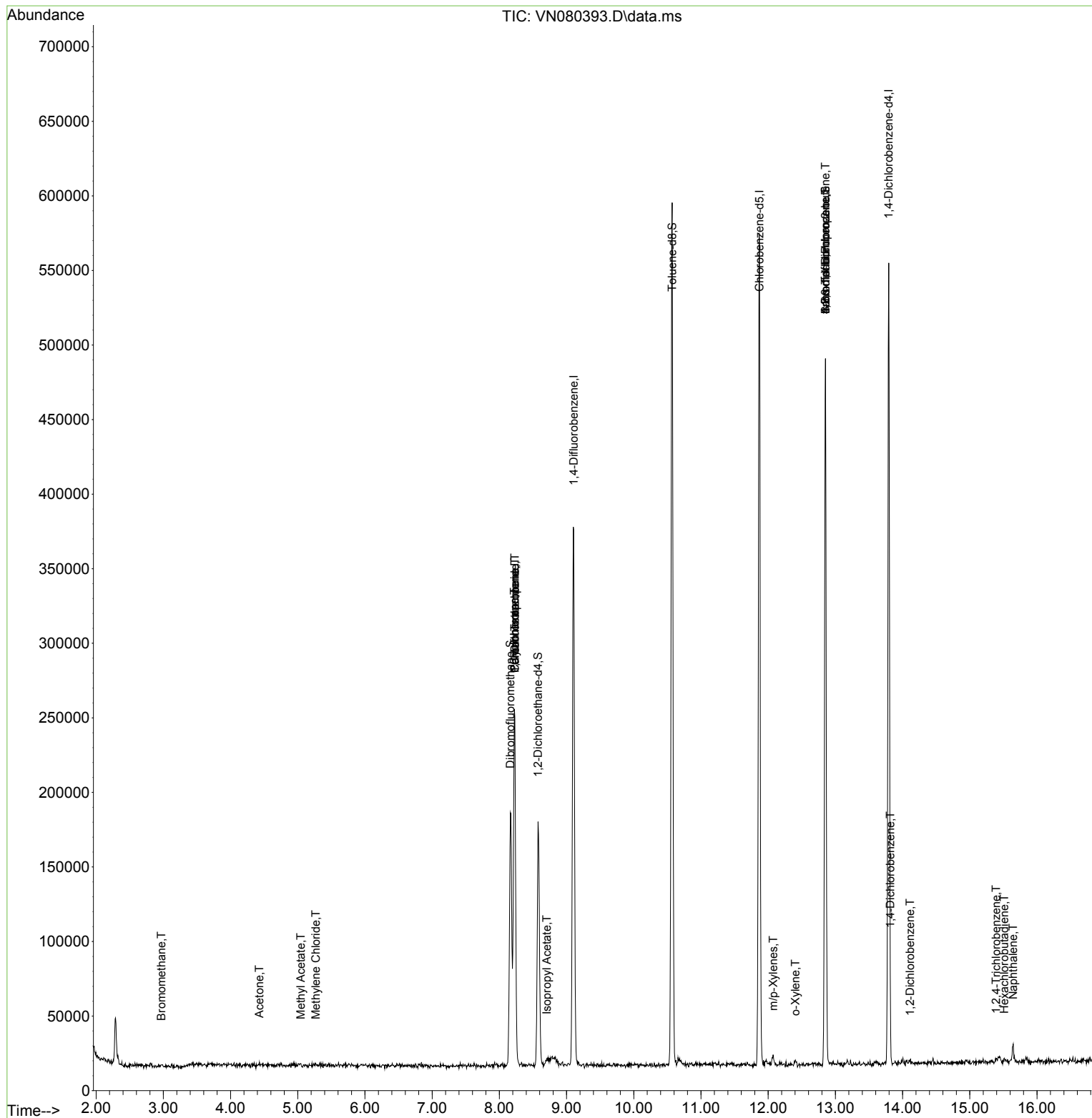
Target Compounds			Qvalue			
5) Bromomethane	2.971	94	347	0.256	ug/l #	4
6) Chloroethane	3.100	64	79	Below Cal	#	43
16) Acetone	4.430	43	1761	1.888	ug/l #	87
18) Methyl Acetate	5.047	43	1527	0.510	ug/l #	51
20) Methylene Chloride	5.271	84	687	0.352	ug/l #	39
31) Cyclohexane	8.224	56	4078	1.350	ug/l #	36
36) 1,1-Dichloropropene	8.230	75	14007	4.247	ug/l #	49
38) Carbon Tetrachloride	8.230	117	20425	4.880	ug/l #	16
43) Isopropyl Acetate	8.706	43	3307	0.743	ug/l #	49
68) m/p-Xylenes	12.076	106	2358	0.494	ug/l	95
69) o-Xylene	12.406	106	941	0.209	ug/l	84
71) Bromoform	12.853	173	942	0.445	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	91115	25.585	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91115	86.442	ug/l #	15
88) 1,4-Dichlorobenzene	13.817	146	1309	0.254	ug/l #	64
91) 1,2-Dichlorobenzene	14.112	146	1281	0.261	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	765	0.268	ug/l #	52
94) Hexachlorobutadiene	15.511	225	498	0.303	ug/l #	35
95) Naphthalene	15.647	128	9997	1.207	ug/l #	91

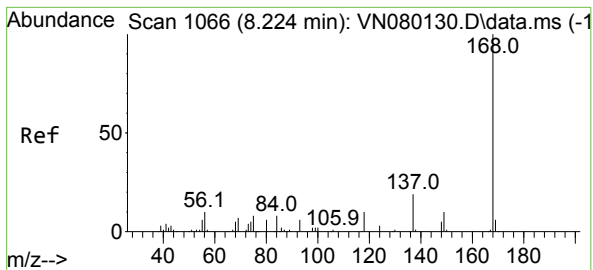
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN080393.D

Acq: 06 Dec 2023 17:57

Instrument :

MSVOA_N

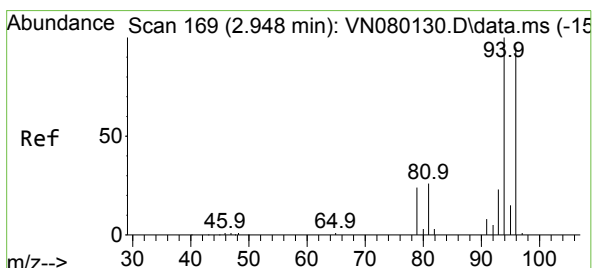
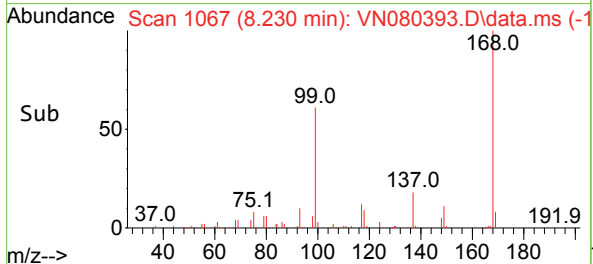
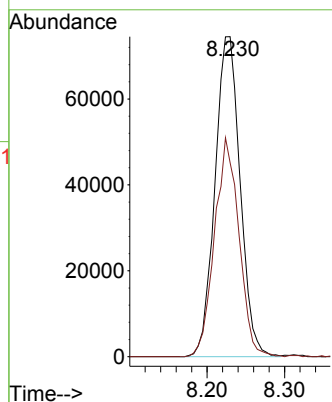
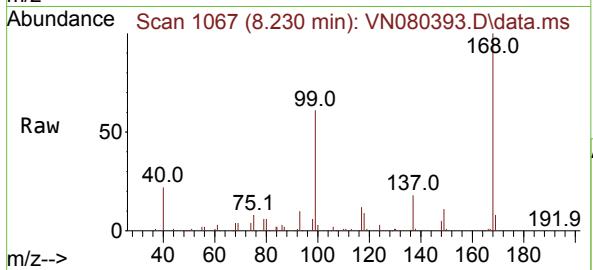
ClientSampleId :

Tgt Ion:168 Resp: 168166

Ion Ratio Lower Upper

168 100

99 60.6 53.0 79.6



#5

Bromomethane

Concen: 0.256 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.023 min

Lab File: VN080393.D

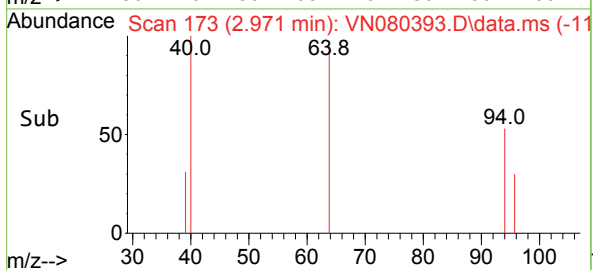
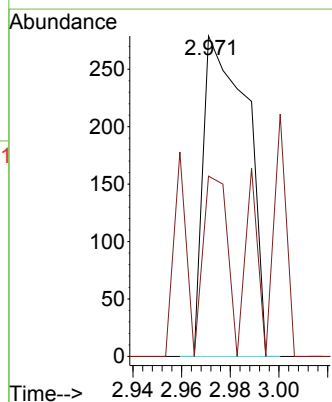
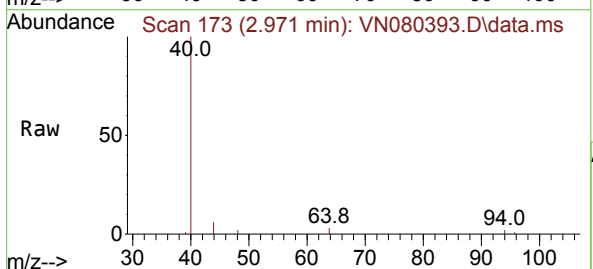
Acq: 06 Dec 2023 17:57

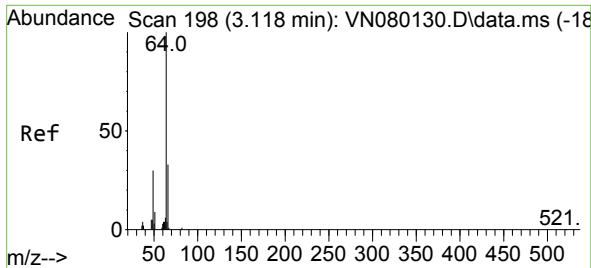
Tgt Ion: 94 Resp: 347

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#

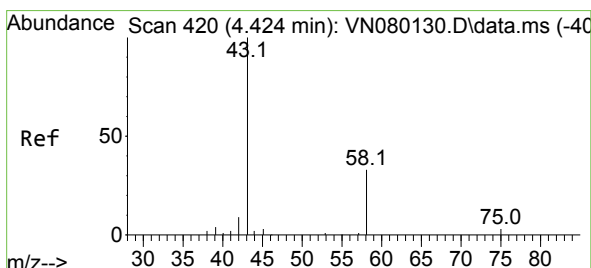
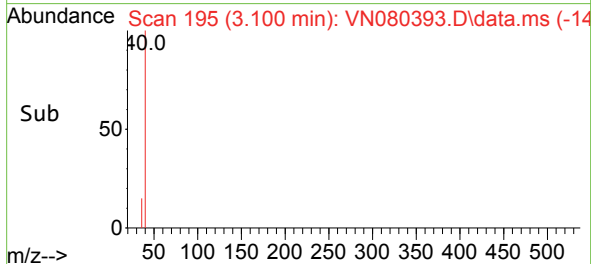
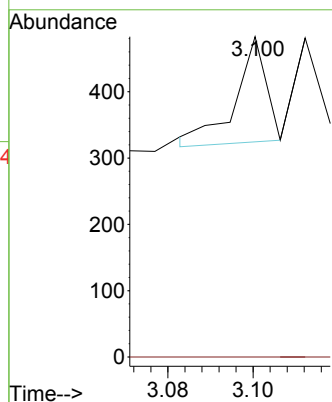
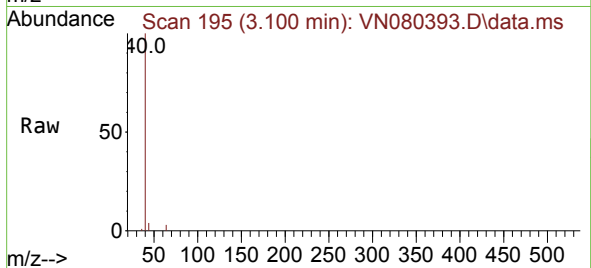




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

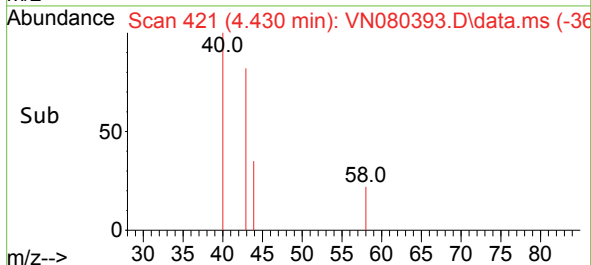
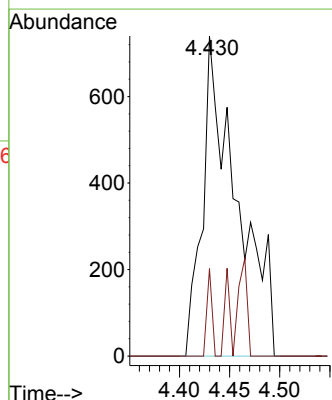
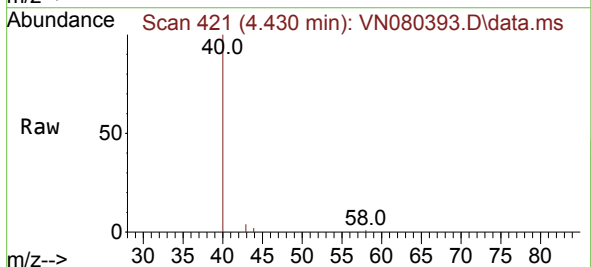
Instrument :
MSVOA_N
ClientSampleId :

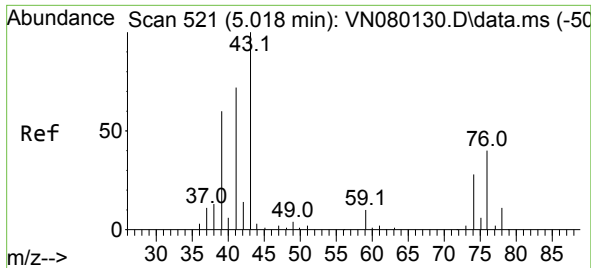
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 1.888 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
58 27.3 28.0 42.0#

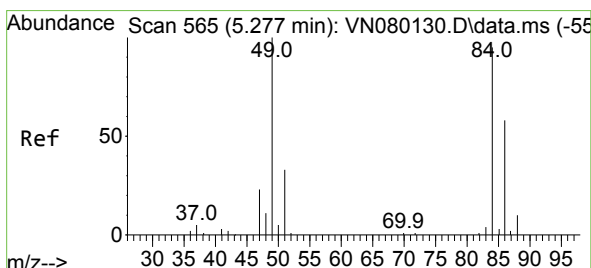
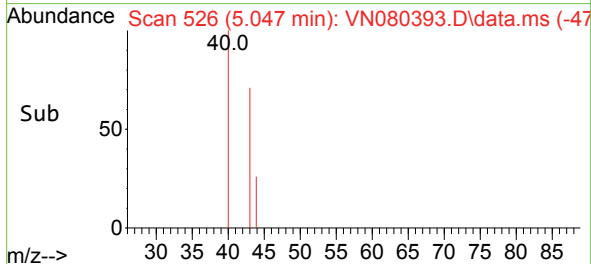
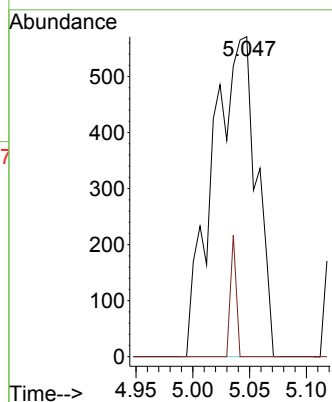
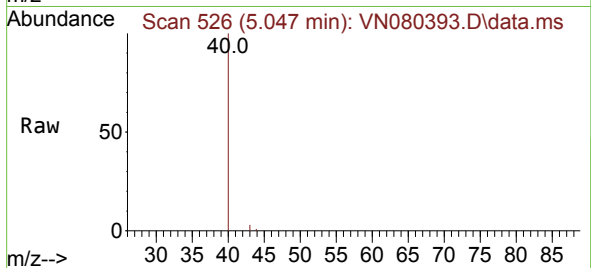




#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

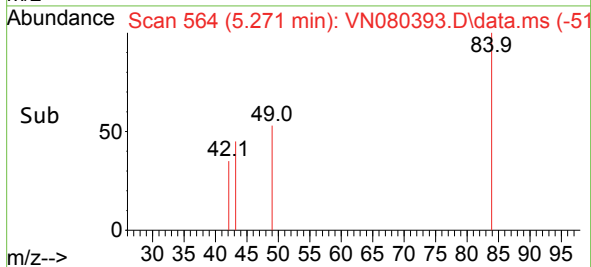
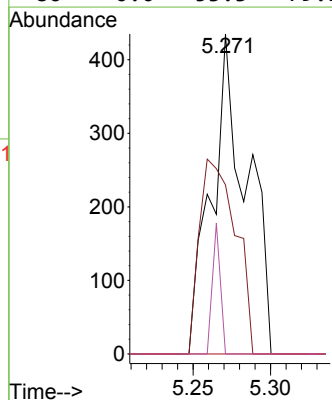
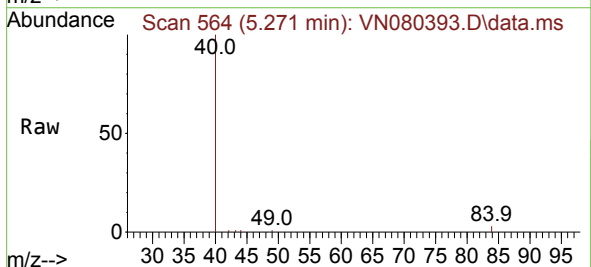
Instrument :
MSVOA_N
ClientSampleId :

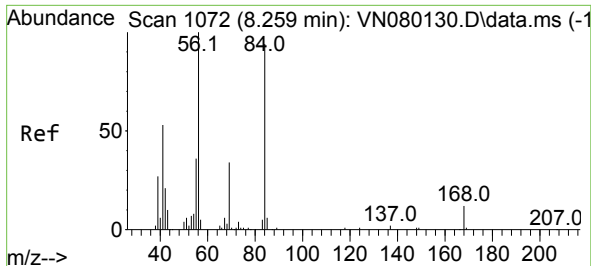
Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
74 5.0 26.2 39.4#



#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

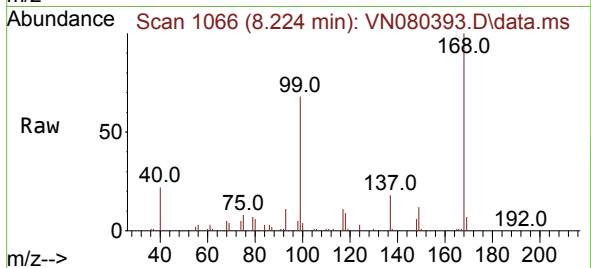
Tgt Ion: 84 Resp: 687
Ion Ratio Lower Upper
84 100
49 52.9 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#



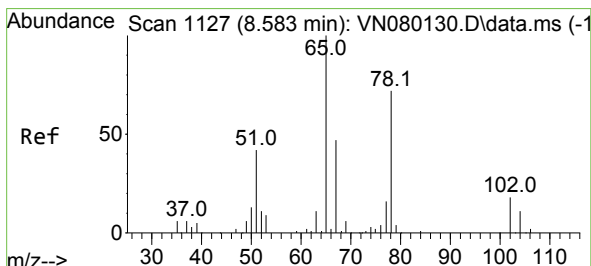
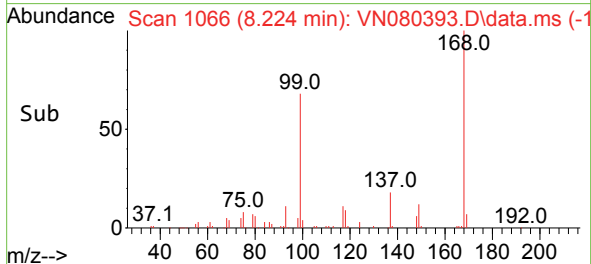
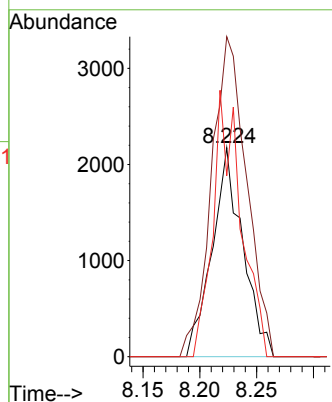


#31
Cyclohexane
Concen: 1.350 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

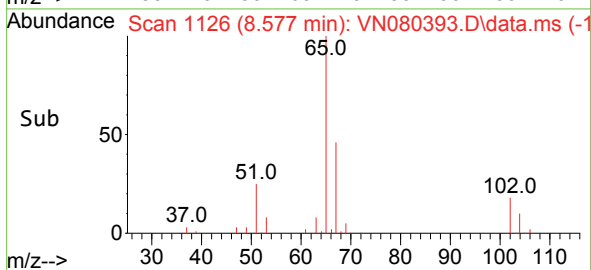
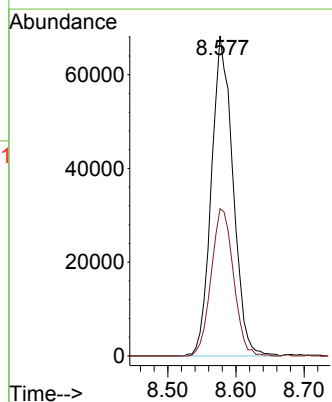
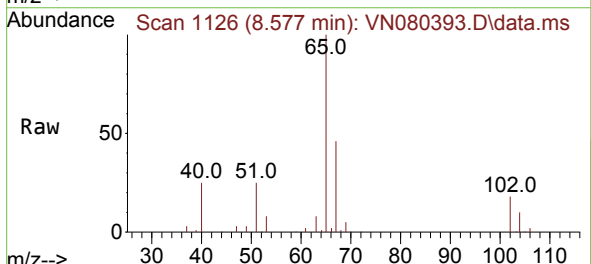


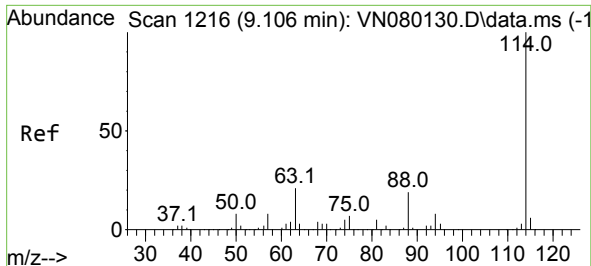
Tgt Ion: 56 Resp: 4078
Ion Ratio Lower Upper
56 100
69 153.2 26.8 40.2#
84 86.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.174 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

Tgt Ion: 65 Resp: 150423
Ion Ratio Lower Upper
65 100
67 47.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080393.D

Acq: 06 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

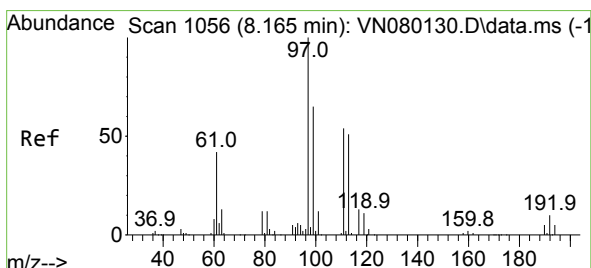
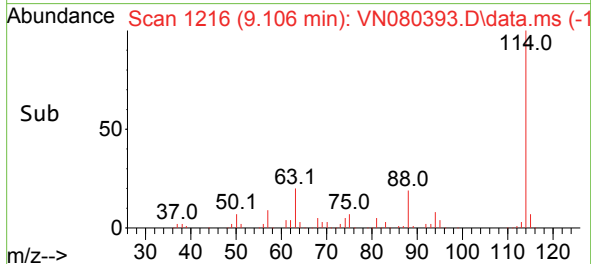
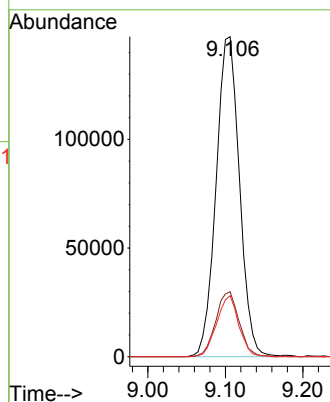
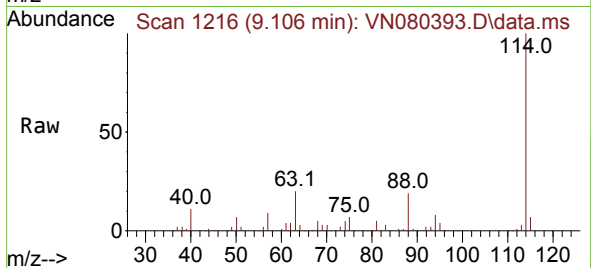
Tgt Ion:114 Resp: 308739

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 19.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.940 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080393.D

Acq: 06 Dec 2023 17:57

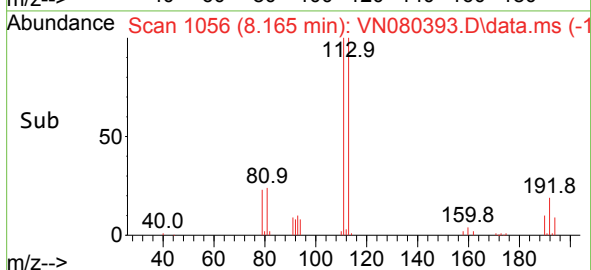
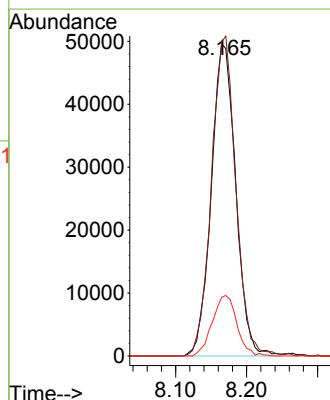
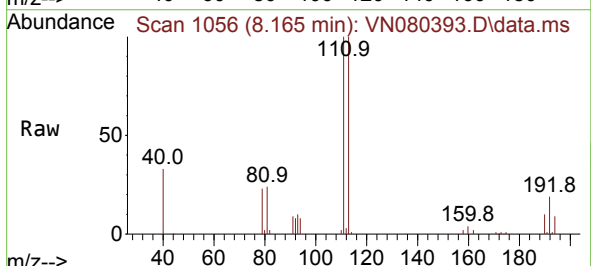
Tgt Ion:113 Resp: 118324

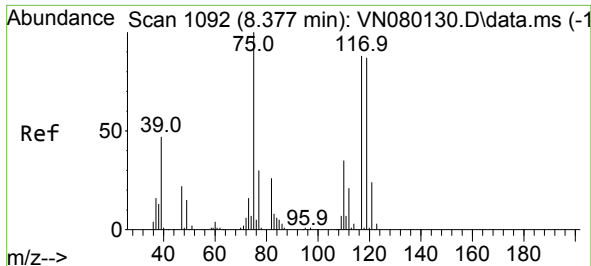
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 19.5 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.247 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

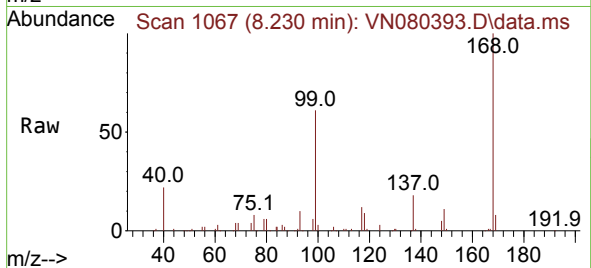
Lab File: VN080393.D

Acq: 06 Dec 2023 17:57

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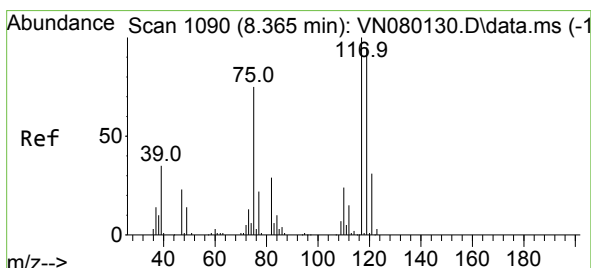
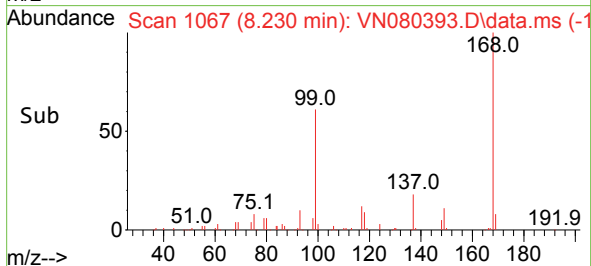
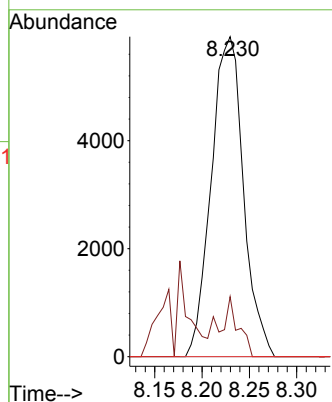
Tgt Ion: 75 Resp: 14007

Ion Ratio Lower Upper

75 100

110 10.6 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.880 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080393.D

Acq: 06 Dec 2023 17:57

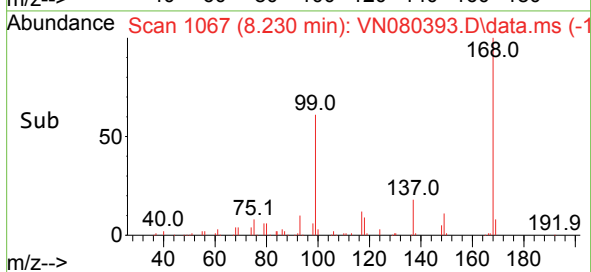
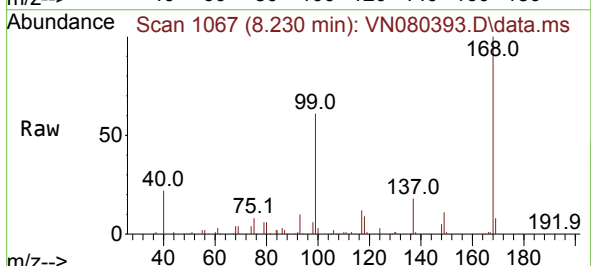
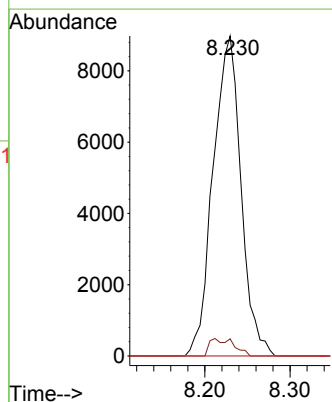
Tgt Ion: 117 Resp: 20425

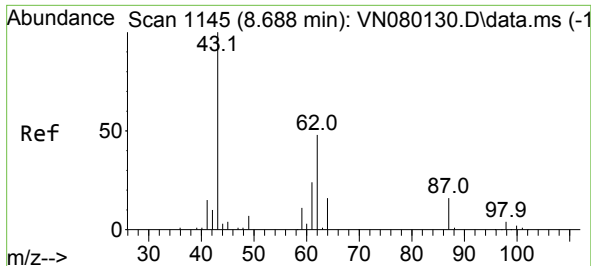
Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#

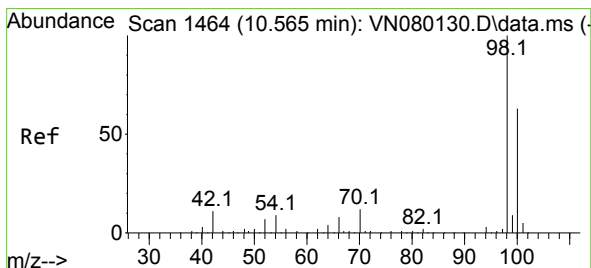
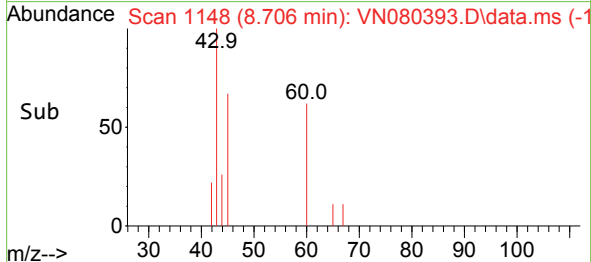
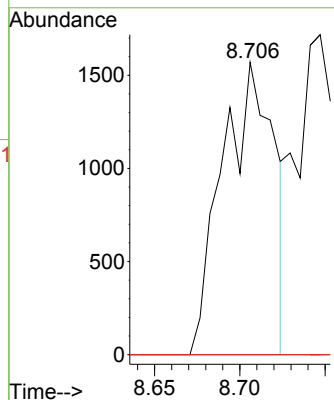
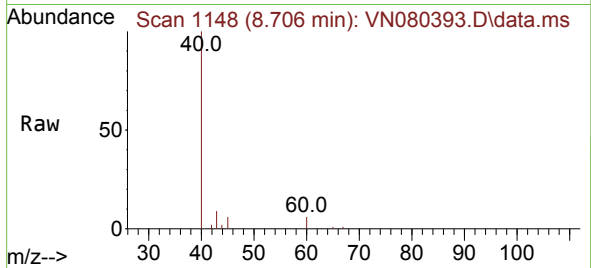




#43
Isopropyl Acetate
Concen: 0.743 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

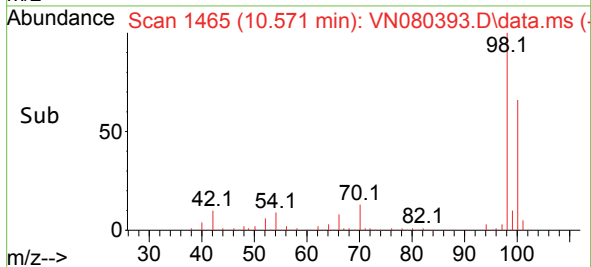
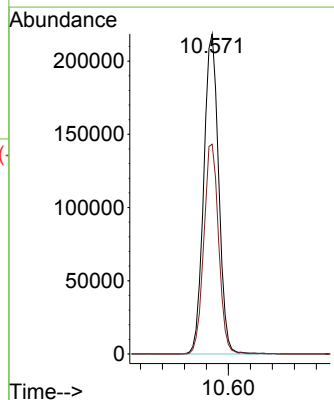
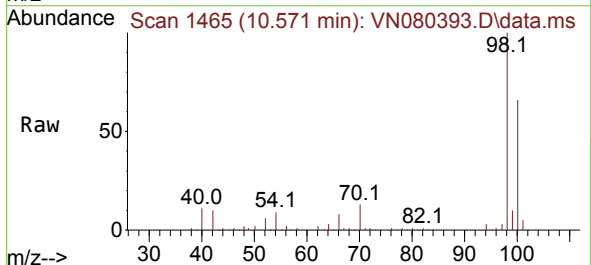
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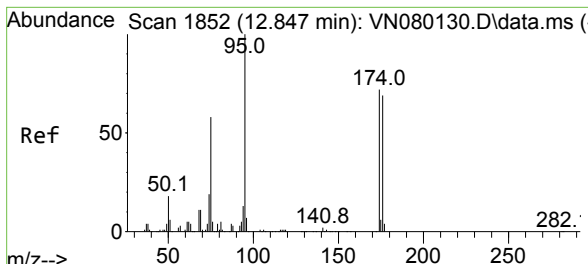
Tgt Ion: 43 Resp: 3307
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.117 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

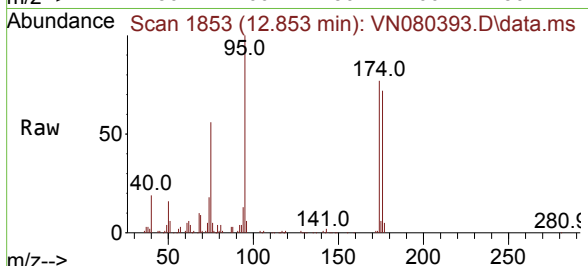
Tgt Ion: 98 Resp: 411560
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0





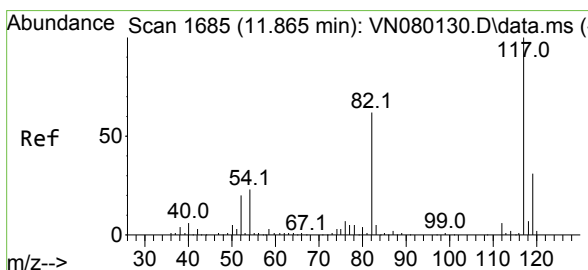
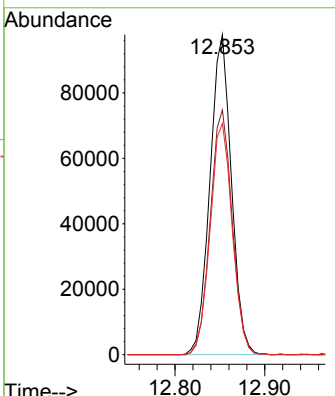
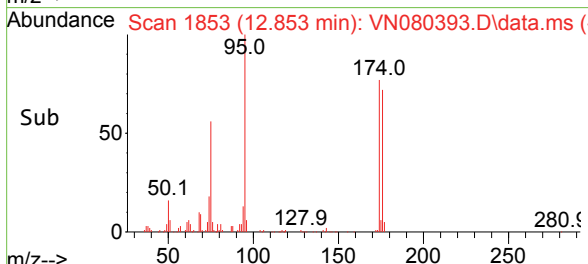
#62
 4-Bromofluorobenzene
 Concen: 52.334 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN080393.D
 Acq: 06 Dec 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :

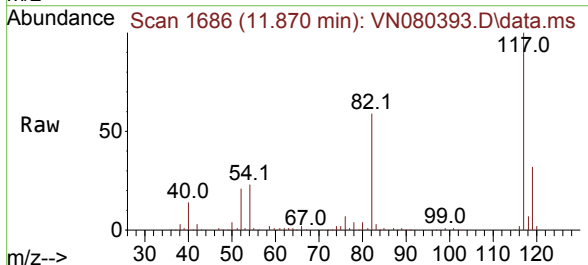


Tgt Ion: 95 Resp: 162330

Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	143.8
176	74.2	0.0	135.8

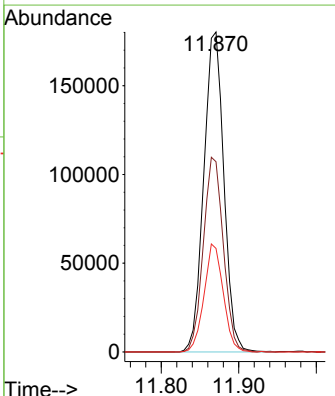
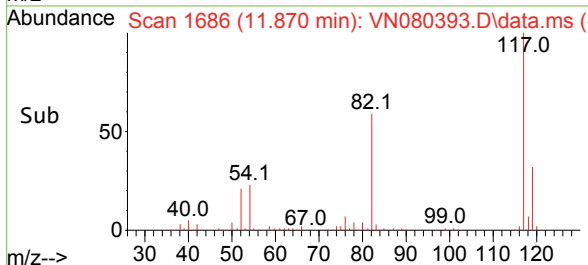


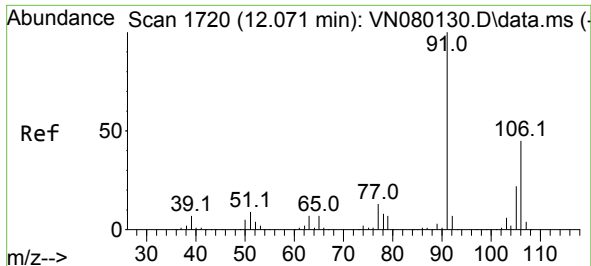
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN080393.D
 Acq: 06 Dec 2023 17:57



Tgt Ion: 117 Resp: 324612

Ion	Ratio	Lower	Upper
117	100		
82	59.4	44.0	66.0
119	32.3	25.6	38.4

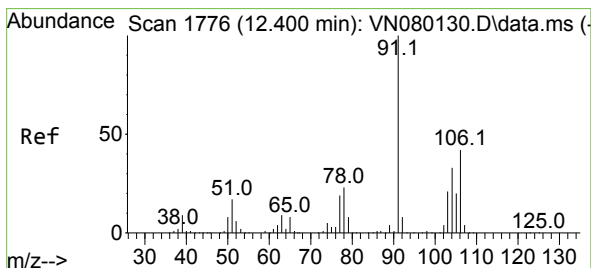
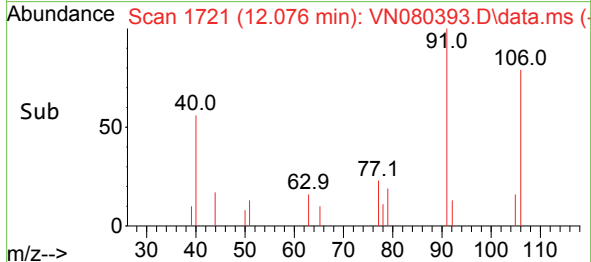
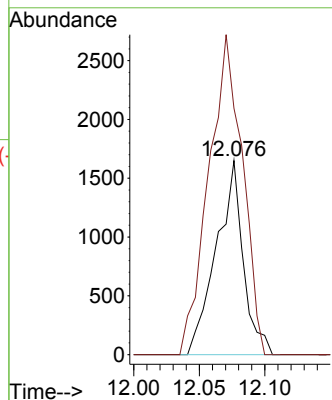
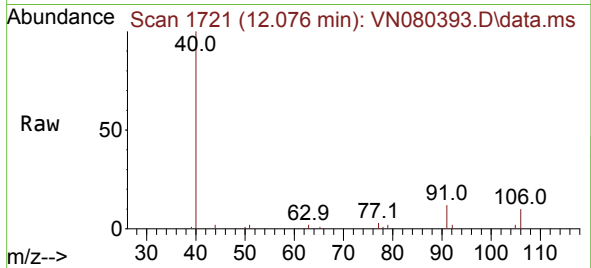




#68
m/p-Xylenes
Concen: 0.494 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

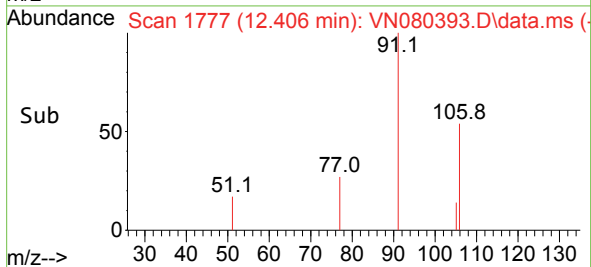
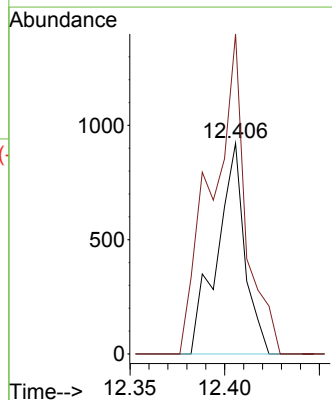
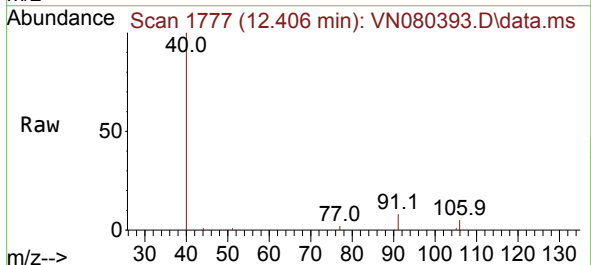
Instrument :
MSVOA_N
ClientSampleId :

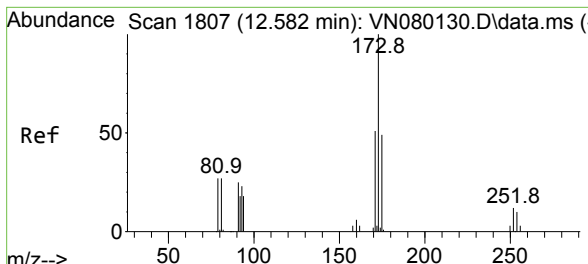
Tgt Ion:106 Resp: 2358
Ion Ratio Lower Upper
106 100
91 206.4 159.6 239.4



#69
o-Xylene
Concen: 0.209 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

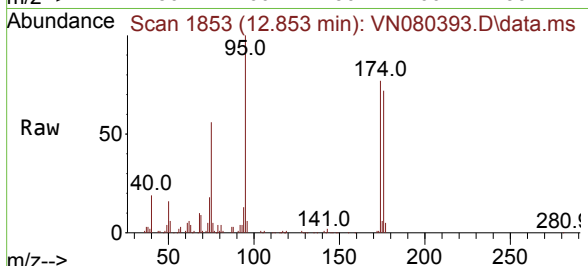
Tgt Ion:106 Resp: 941
Ion Ratio Lower Upper
106 100
91 186.0 105.2 315.5



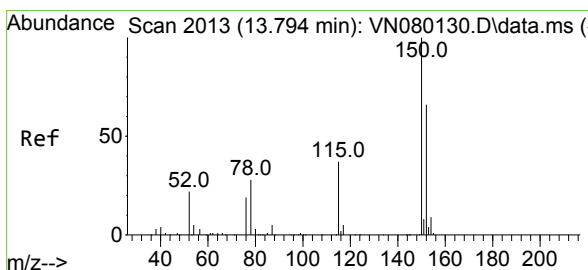
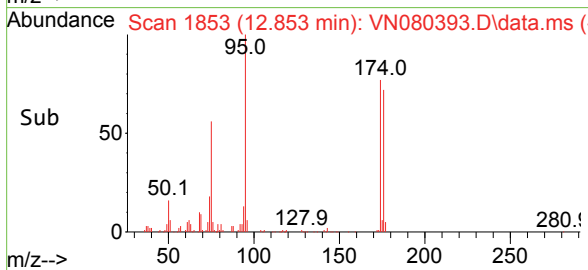
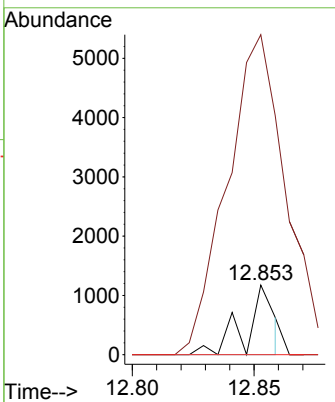


#71
 Bromoform
 Concen: 0.445 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.270 min
 Lab File: VN080393.D
 Acq: 06 Dec 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :

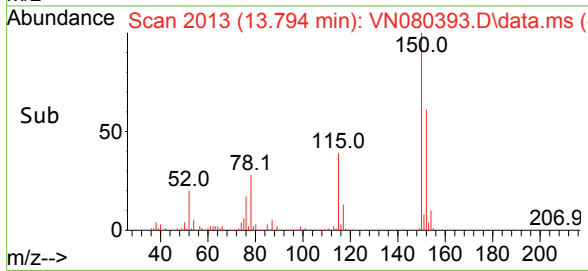
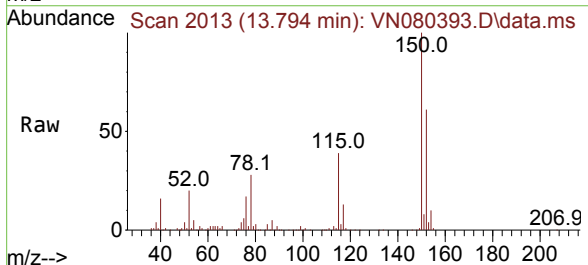
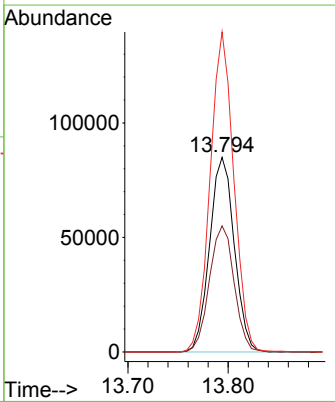


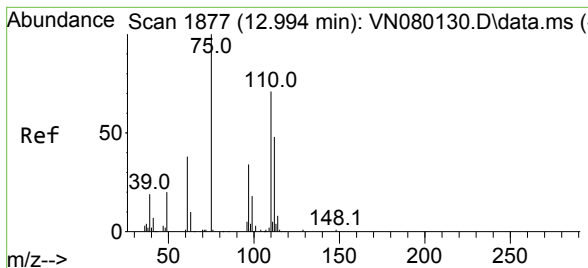
Tgt Ion:	173	Resp:	942
Ion Ratio	Lower	Upper	
173	100		
175	791.8	24.3	73.0#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080393.D
 Acq: 06 Dec 2023 17:57

Tgt Ion:	152	Resp:	145346
Ion Ratio	Lower	Upper	
152	100		
115	65.0	32.3	96.8
150	157.5	0.0	355.8

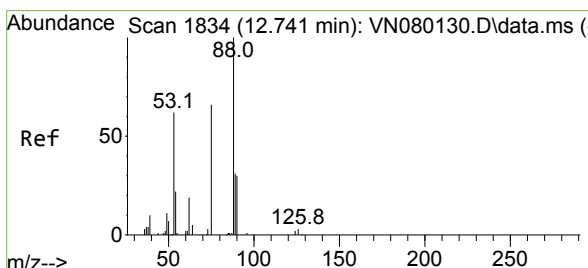
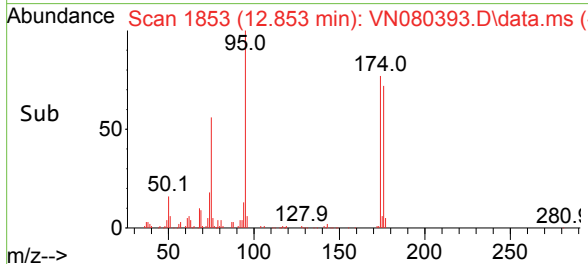
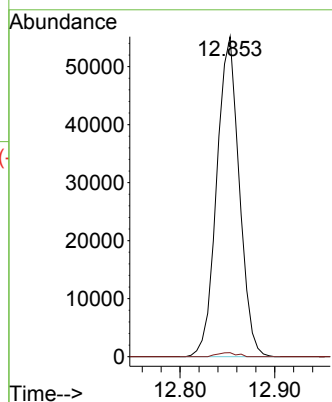
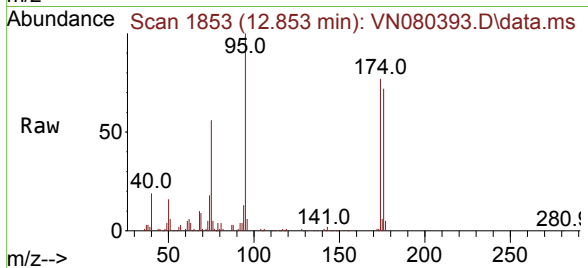




#76
1,2,3-Trichloropropane
Concen: 25.585 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

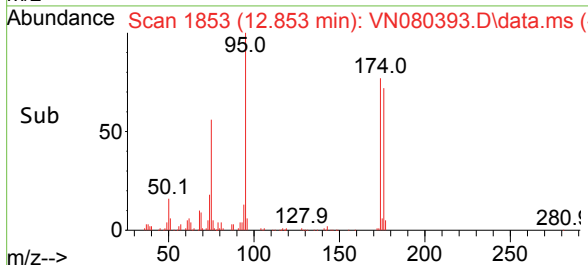
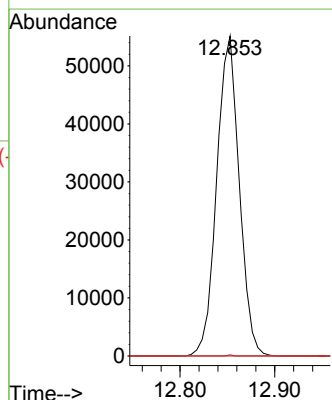
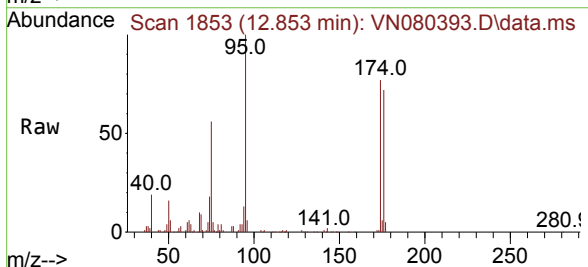
Instrument :
MSVOA_N
ClientSampleId :

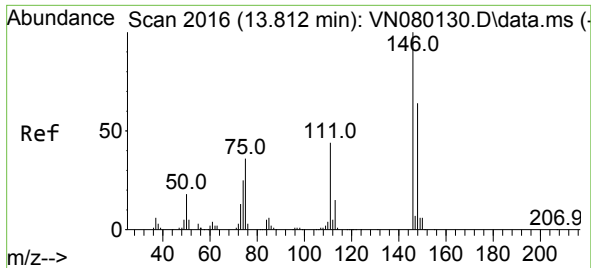
Tgt Ion: 75 Resp: 91115
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.442 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

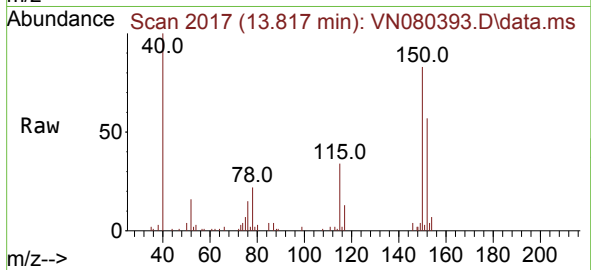
Tgt Ion: 75 Resp: 91115
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



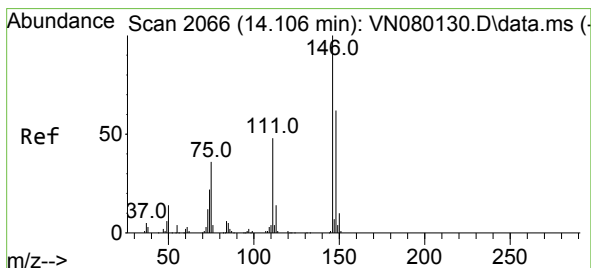
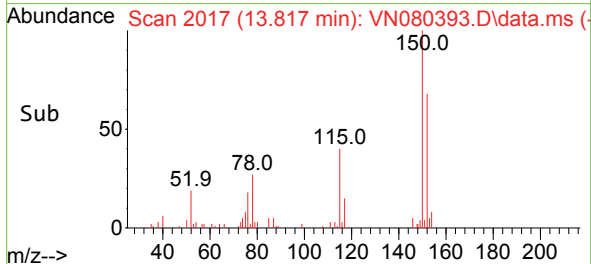
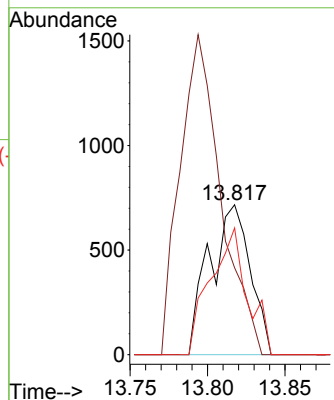


#88
1,4-Dichlorobenzene
Concen: 0.254 ug/l
RT: 13.817 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

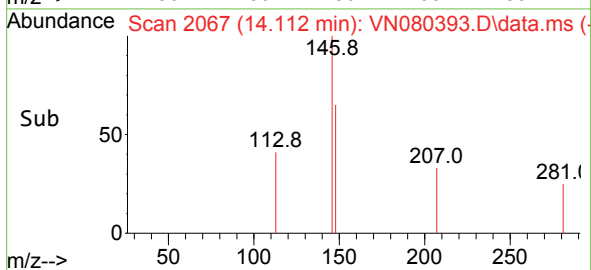
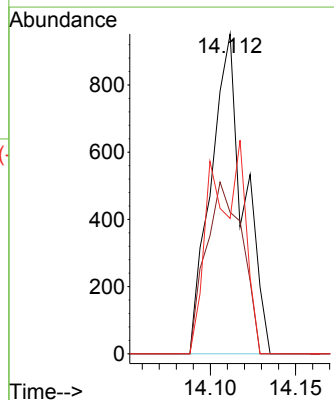
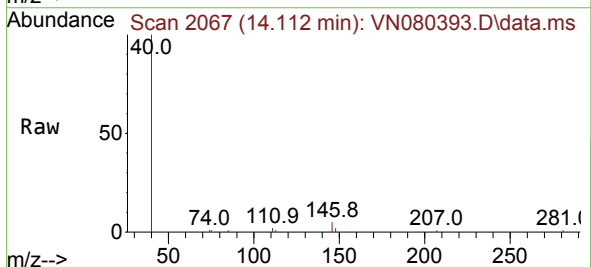


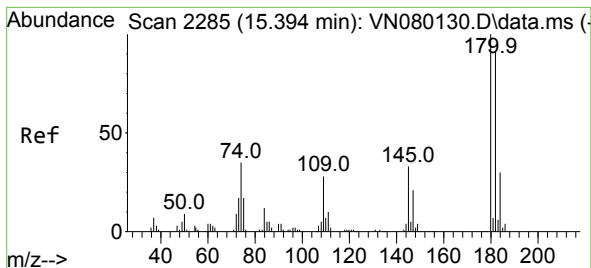
Tgt Ion:146 Resp: 1309
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 76.3 31.6 94.8



#91
1,2-Dichlorobenzene
Concen: 0.261 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN080393.D
Acq: 06 Dec 2023 17:57

Tgt Ion:146 Resp: 1281
Ion Ratio Lower Upper
146 100
111 59.3 22.0 66.0
148 67.5 31.8 95.3





#93

1,2,4-Trichlorobenzene

Concen: 0.268 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

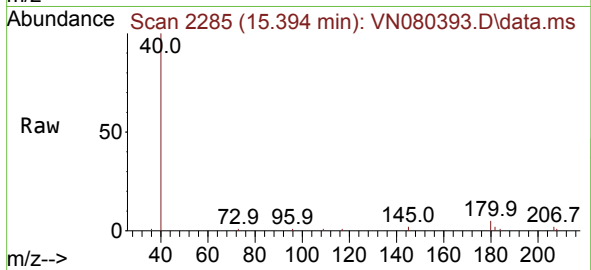
Lab File: VN080393.D

Acq: 06 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :



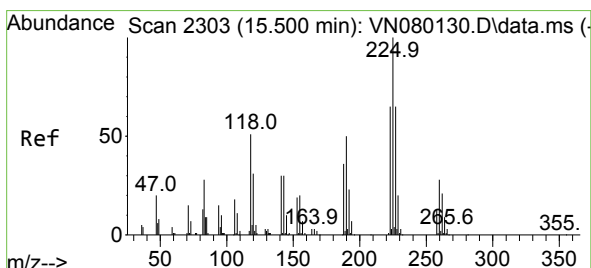
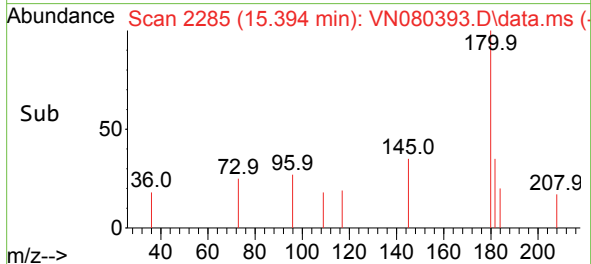
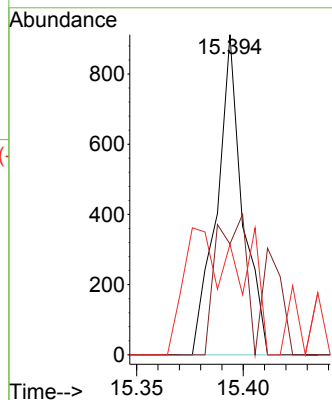
Tgt Ion:180 Resp: 765

Ion Ratio Lower Upper

180 100

182 50.2 46.1 138.2

145 0.0 16.6 49.8#



#94

Hexachlorobutadiene

Concen: 0.303 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.011 min

Lab File: VN080393.D

Acq: 06 Dec 2023 17:57

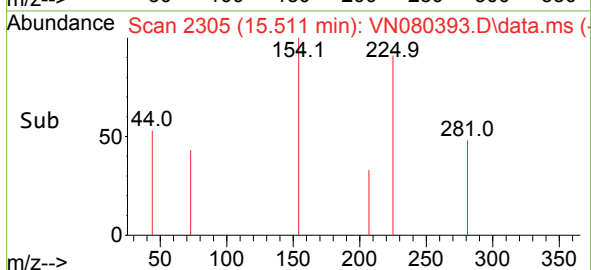
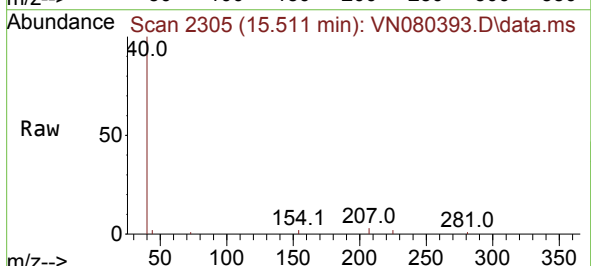
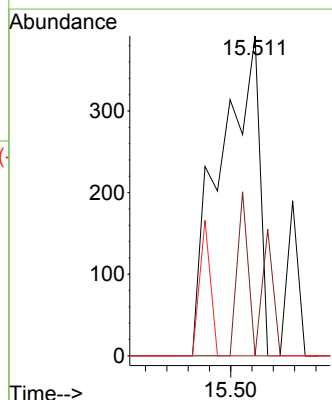
Tgt Ion:225 Resp: 498

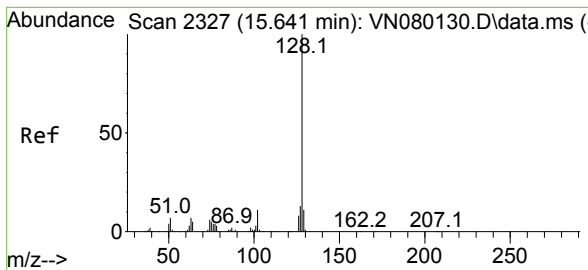
Ion Ratio Lower Upper

225 100

223 25.3 31.3 93.8#

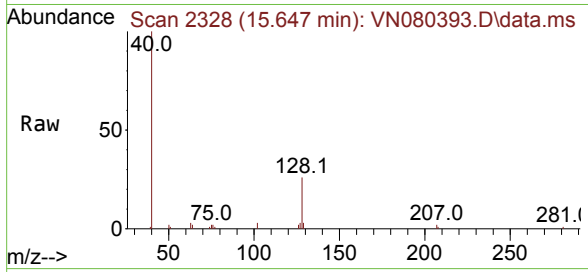
227 0.0 31.9 95.9#





#95
 Naphthalene
 Concen: 1.207 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080393.D
 Acq: 06 Dec 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	9997
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.0	15.0
129	16.0	8.7	13.1#

