

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081246.D
 Acq On : 28 Feb 2024 16:29
 Operator : JC\MD
 Sample : P1590-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT163S1-20240223

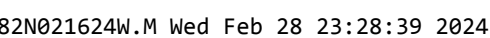
Quant Time: Feb 28 23:28:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

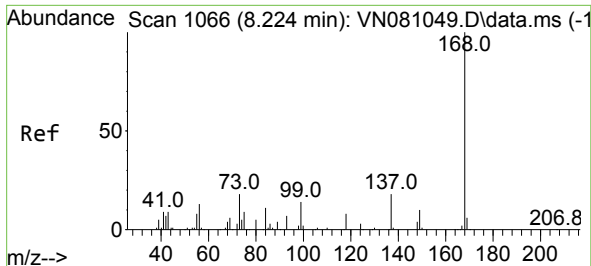
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	317659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	587948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	519020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	198082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	219794	56.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.900%			
35) Dibromofluoromethane	8.171	113	173734	52.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	10.571	98	651417	55.166	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.340%			
62) 4-Bromofluorobenzene	12.853	95	207999	46.878	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1565	Below Cal	#	81
5) Bromomethane	2.977	94	1049	0.324	ug/l #	69
6) Chloroethane	3.112	64	73	Below Cal	#	80
10) Methyl Iodide	4.594	142	889	0.214	ug/l #	39
13) Acrolein	4.183	56	225	0.586	ug/l #	1
16) Acetone	4.442	43	3533	2.306	ug/l	94
20) Methylene Chloride	5.277	84	116	Below Cal	#	4
31) Cyclohexane	8.224	56	8312	1.236	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	29036	5.098	ug/l #	51
38) Carbon Tetrachloride	8.230	117	36262	6.293	ug/l #	17
49) 1,4-Dioxane	9.700	88	159	Below Cal		95
52) Toluene	10.635	92	27936	2.677	ug/l	94
76) 1,2,3-Trichloropropane	12.853	75	112173	24.924	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112173	64.153	ug/l #	14
95) Naphthalene	15.647	128	3300	0.229	ug/l #	73

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

Quant Time: Feb 28 23:28:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

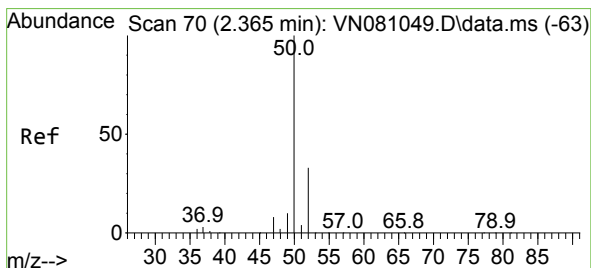
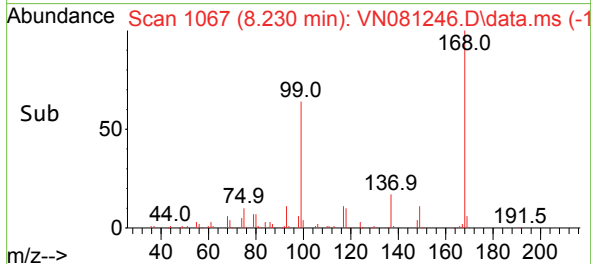
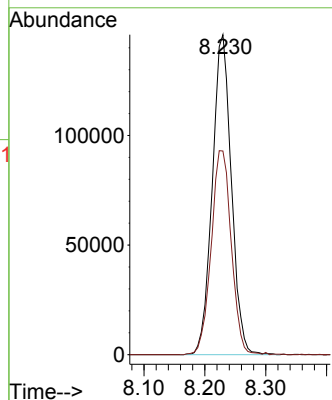
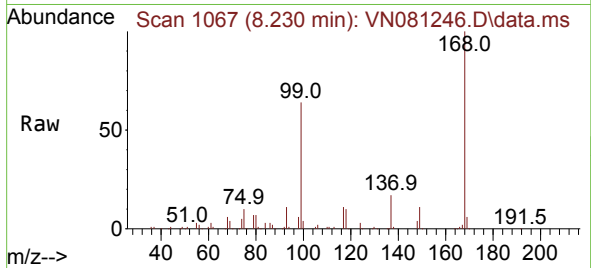




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

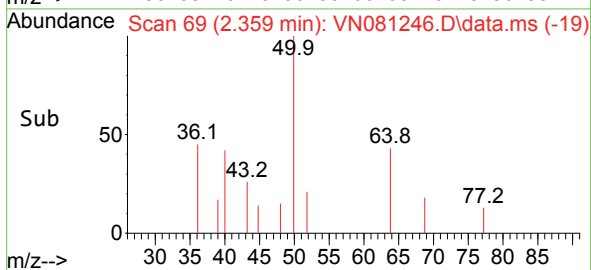
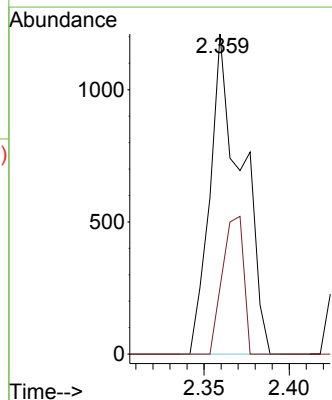
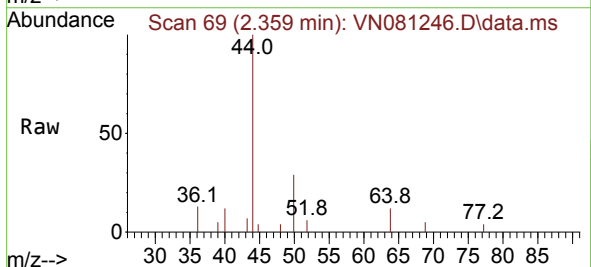
Instrument :
MSVOA_N
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TT163S1-20240223

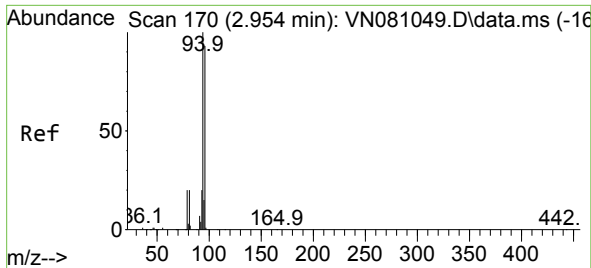
Tgt Ion:168 Resp: 317659
Ion Ratio Lower Upper
168 100
99 63.7 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Tgt Ion: 50 Resp: 1565
Ion Ratio Lower Upper
50 100
52 20.9 25.0 37.4#

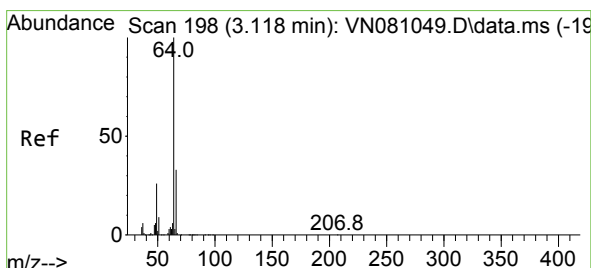
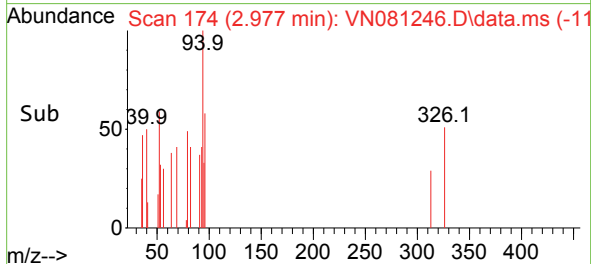
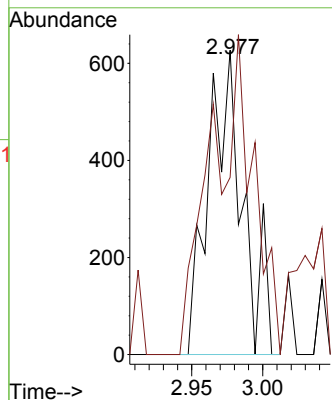
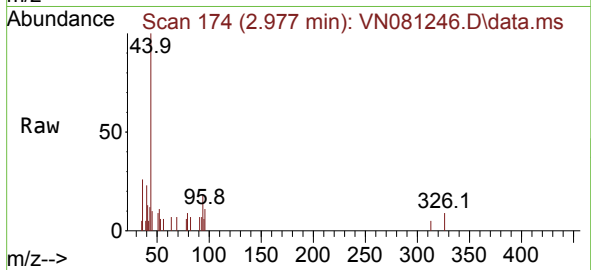




#5
Bromomethane
Concen: 0.324 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

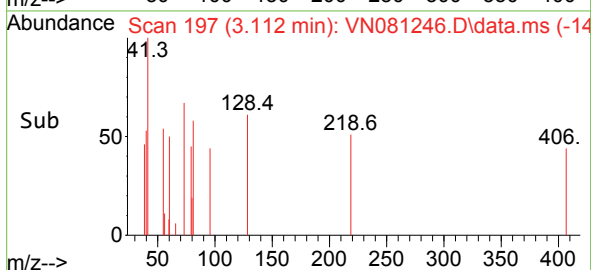
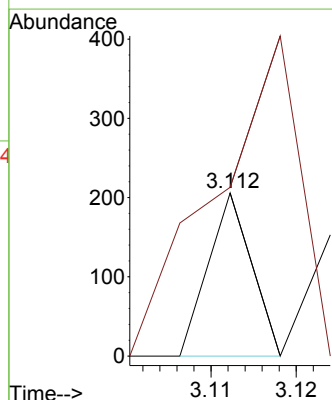
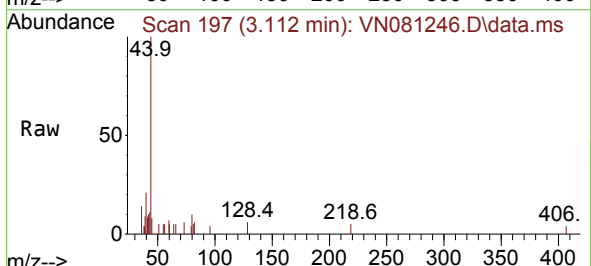
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20240223

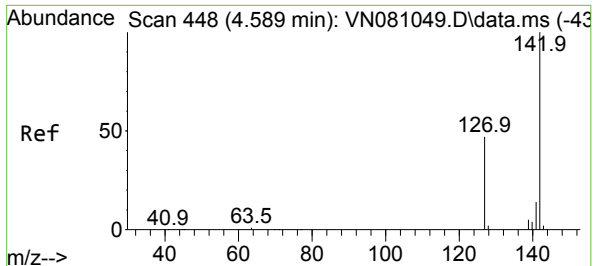
Tgt Ion: 94 Resp: 1049
Ion Ratio Lower Upper
94 100
96 58.2 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Tgt Ion: 64 Resp: 73
Ion Ratio Lower Upper
64 100
66 21.8 26.4 39.6#





#10

Methyl Iodide

Concen: 0.214 ug/l

RT: 4.594 min Scan# 448

Delta R.T. 0.006 min

Lab File: VN081246.D

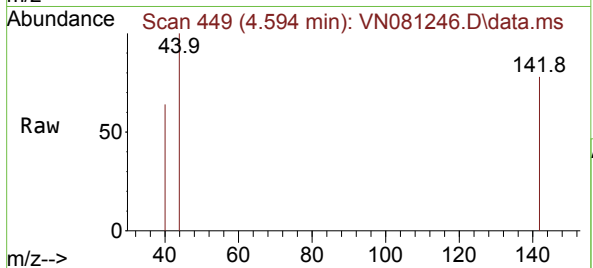
Acq: 28 Feb 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

TT163S1-20240223



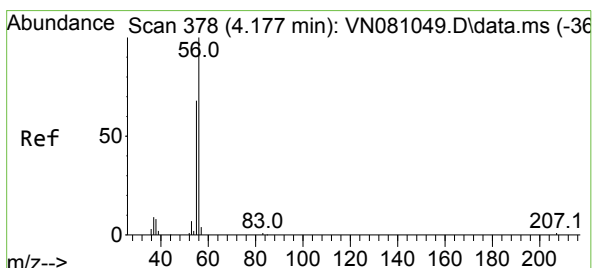
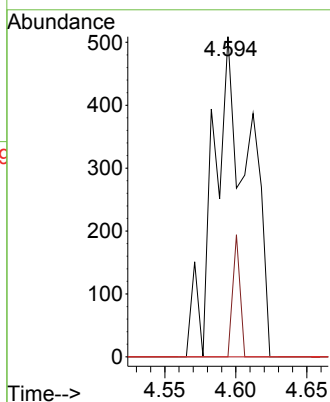
Tgt Ion:142 Resp: 889

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.4#

141 0.0 12.5 18.7#



#13

Acrolein

Concen: 0.586 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081246.D

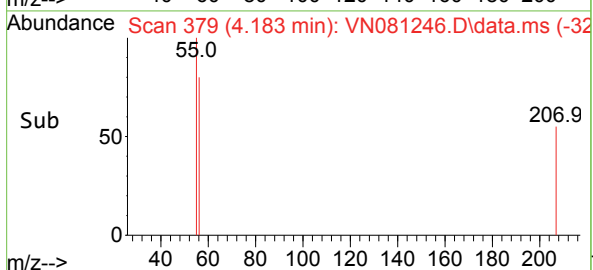
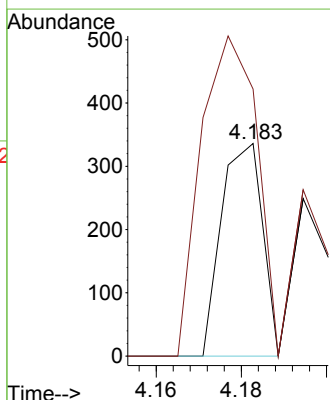
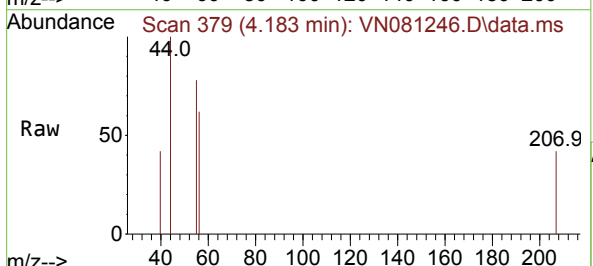
Acq: 28 Feb 2024 16:29

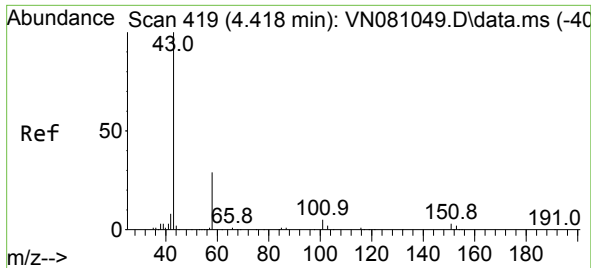
Tgt Ion: 56 Resp: 225

Ion Ratio Lower Upper

56 100

55 271.1 55.3 82.9#

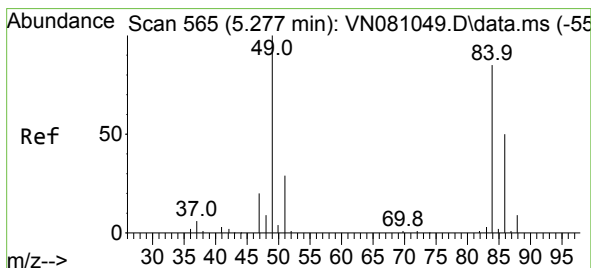
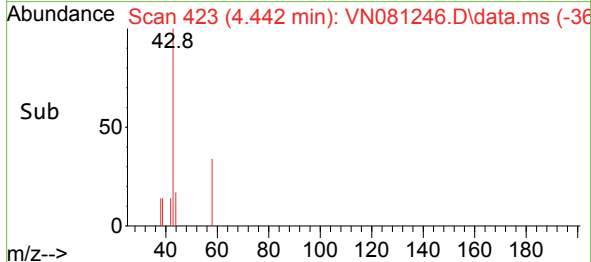
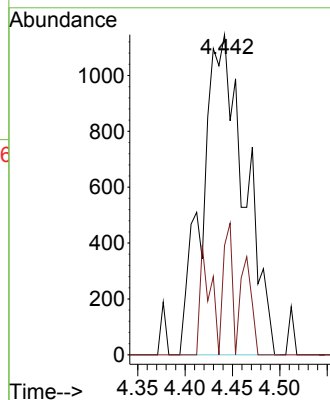
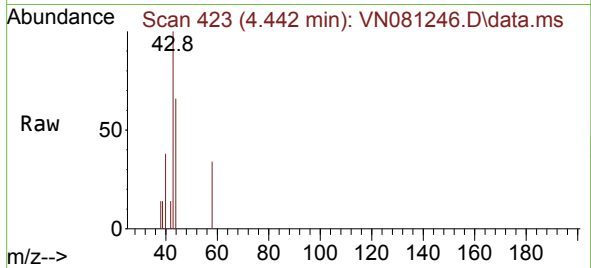




#16
Acetone
Concen: 2.306 ug/l
RT: 4.442 min Scan# 419
Delta R.T. 0.023 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

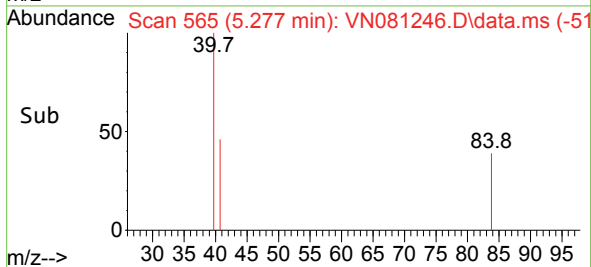
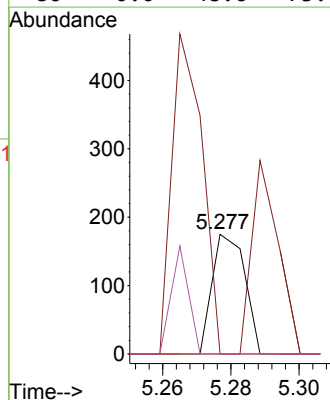
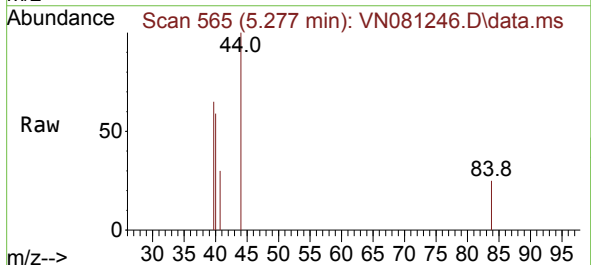
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20240223

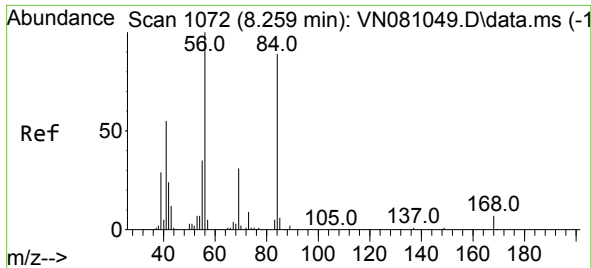
Tgt Ion: 43 Resp: 3533
Ion Ratio Lower Upper
43 100
58 34.1 24.8 37.2



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

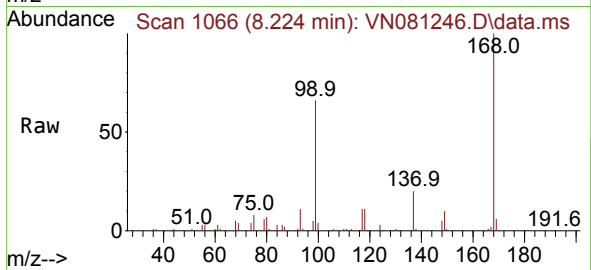
Tgt Ion: 84 Resp: 116
Ion Ratio Lower Upper
84 100
49 0.0 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#



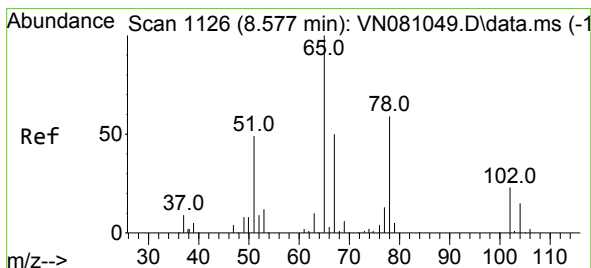
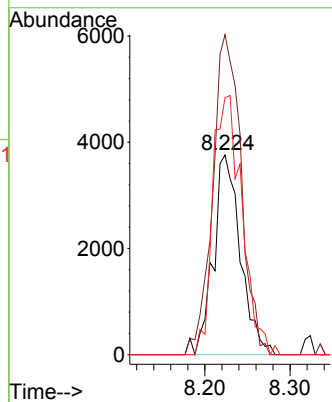
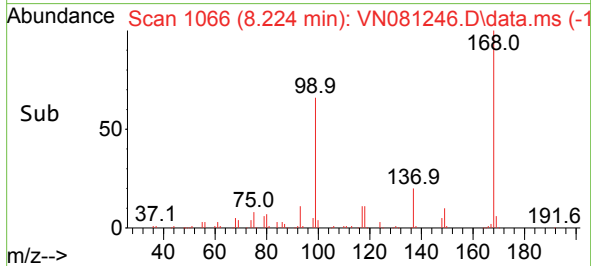


#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20240223

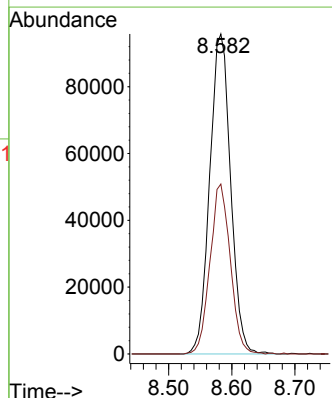
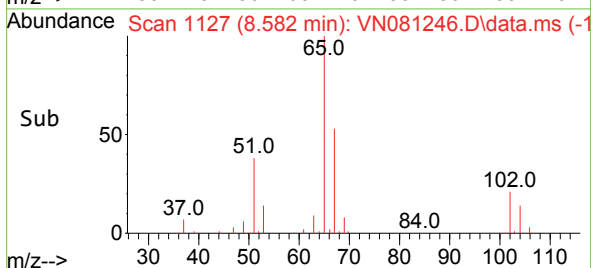
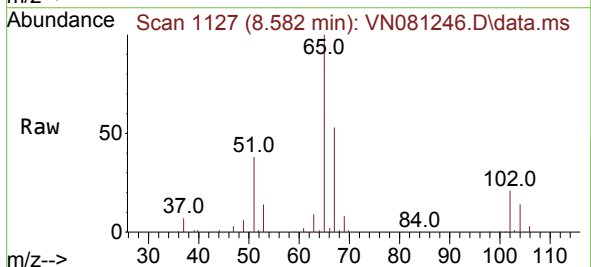


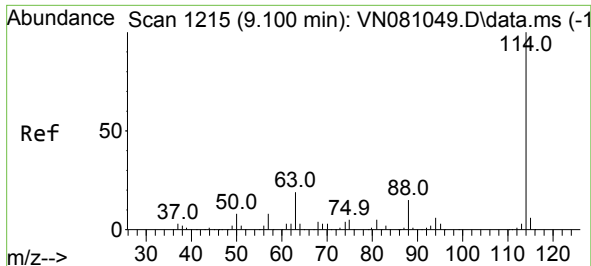
Tgt Ion: 56 Resp: 8312
Ion Ratio Lower Upper
56 100
69 160.2 20.1 30.1#
84 128.7 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 56.450 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Tgt Ion: 65 Resp: 219794
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.4

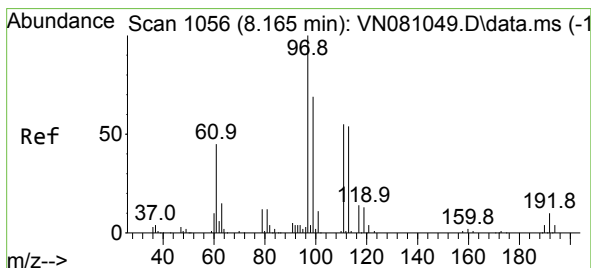
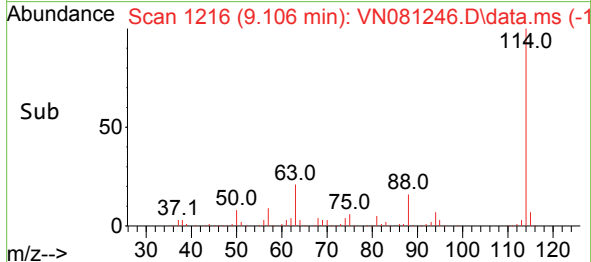
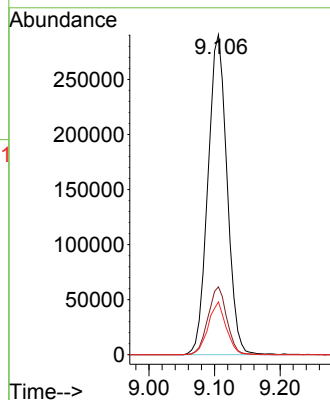
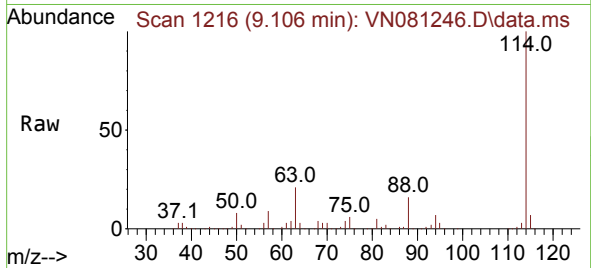




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

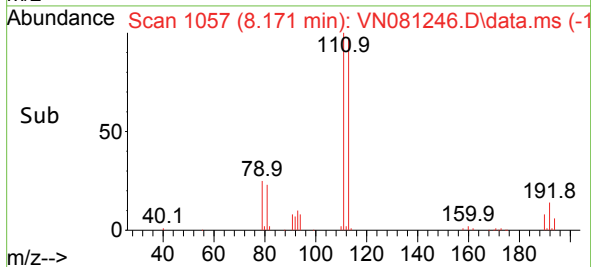
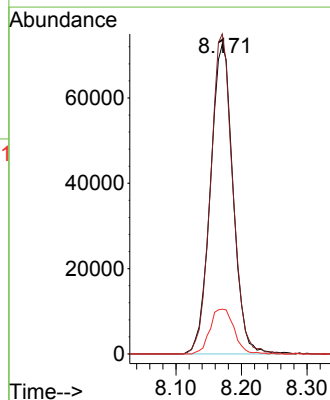
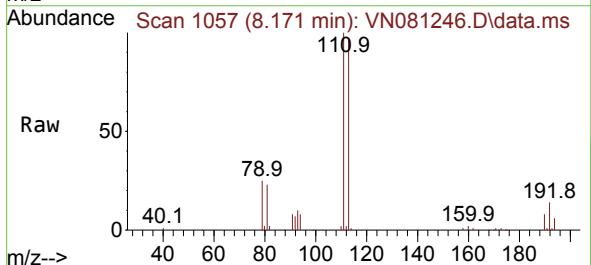
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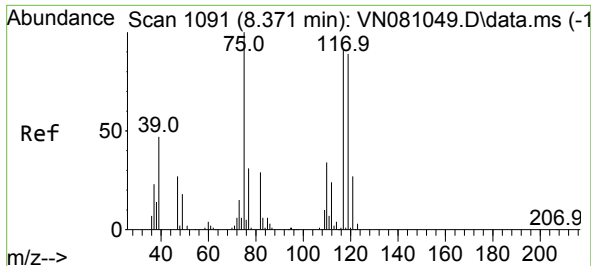
Tgt Ion:114 Resp: 587948
Ion Ratio Lower Upper
114 100
63 21.2 0.0 48.0
88 16.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.256 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Tgt Ion:113 Resp: 173734
Ion Ratio Lower Upper
113 100
111 100.9 82.2 123.4
192 15.4 12.5 18.7

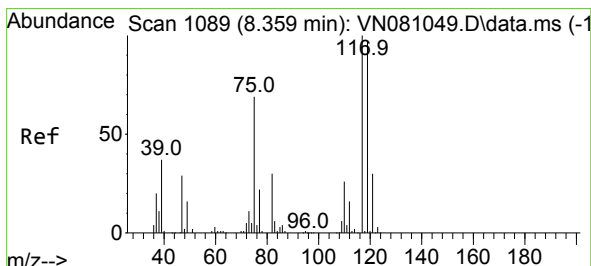
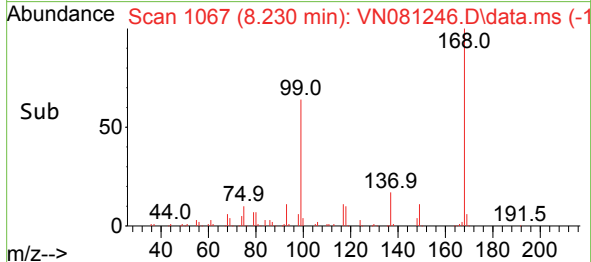
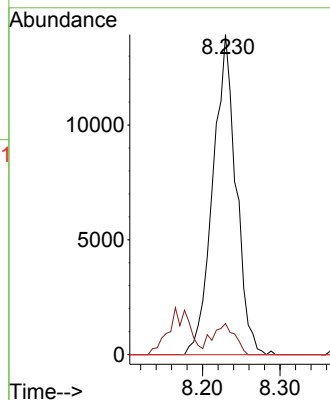
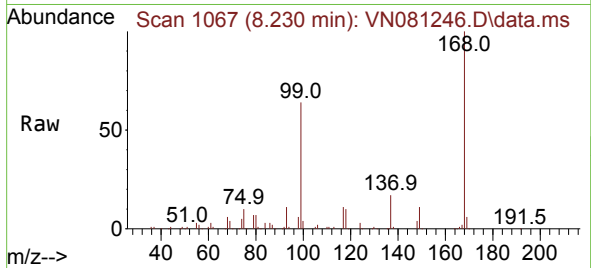




#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

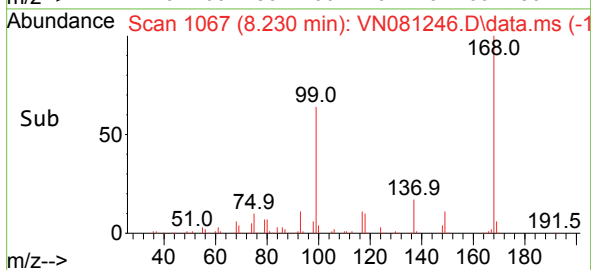
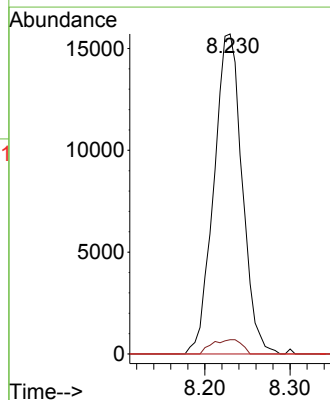
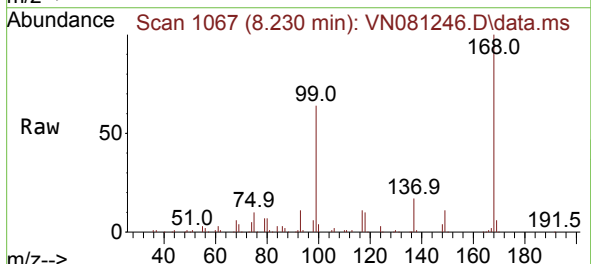
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20240223

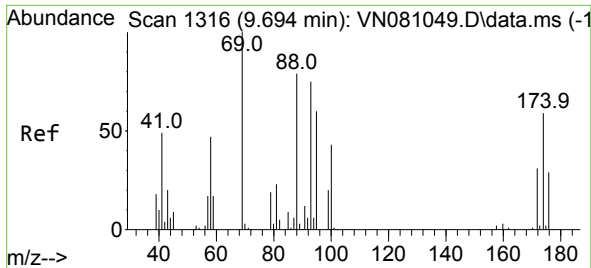
Tgt Ion: 75 Resp: 29036
Ion Ratio Lower Upper
75 100
110 9.4 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.293 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Tgt Ion: 117 Resp: 36262
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081246.D

Acq: 28 Feb 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

TT163S1-20240223

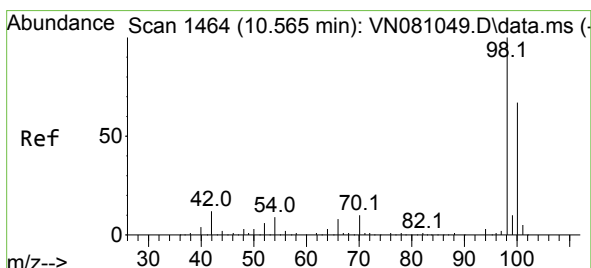
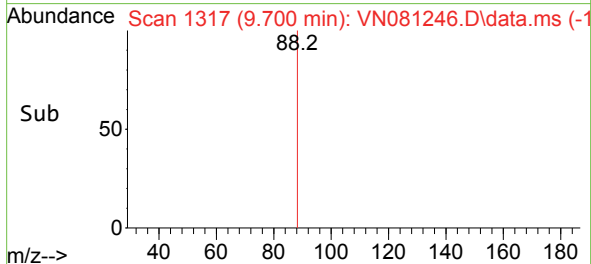
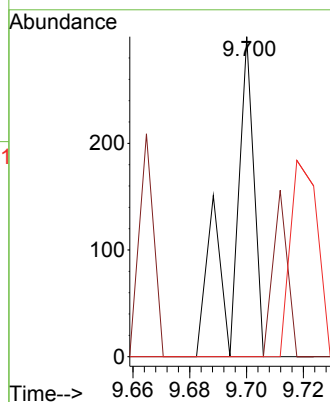
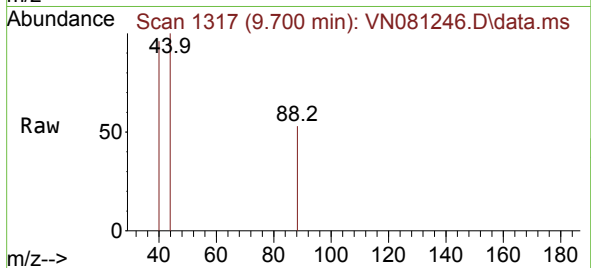
Tgt Ion: 88 Resp: 159

Ion Ratio Lower Upper

88 100

43 34.6 30.1 45.1

58 76.1 63.9 95.9



#50

Toluene-d8

Concen: 55.166 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081246.D

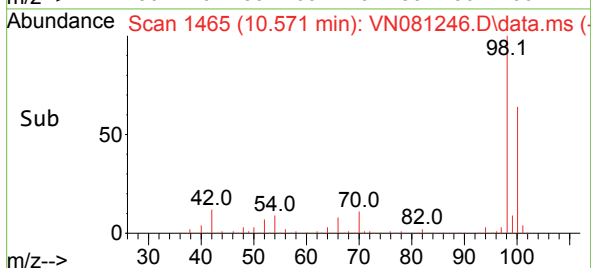
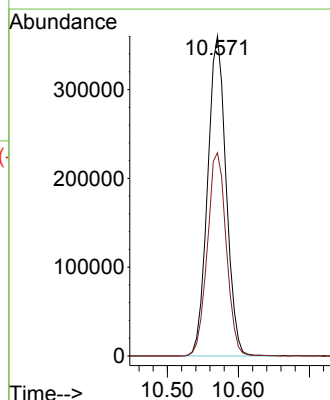
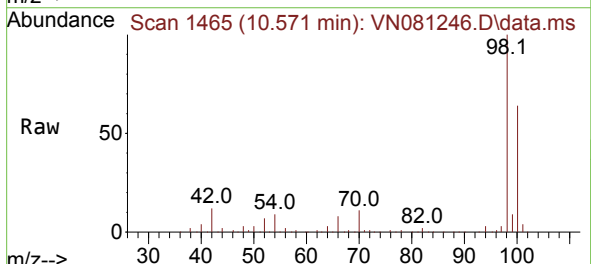
Acq: 28 Feb 2024 16:29

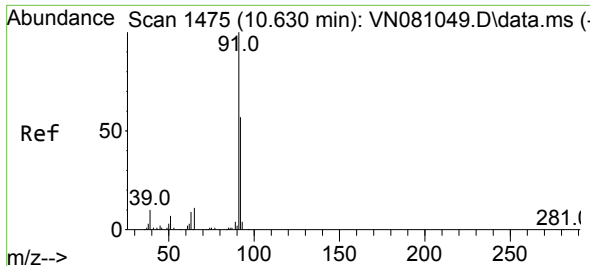
Tgt Ion: 98 Resp: 651417

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

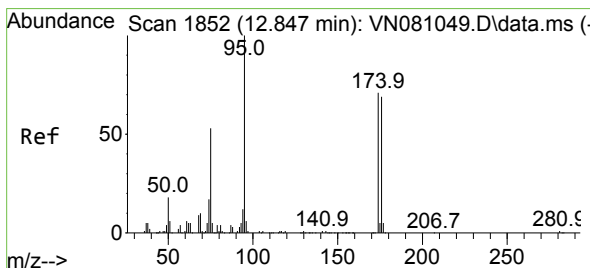
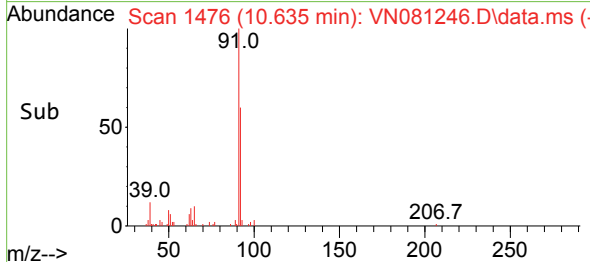
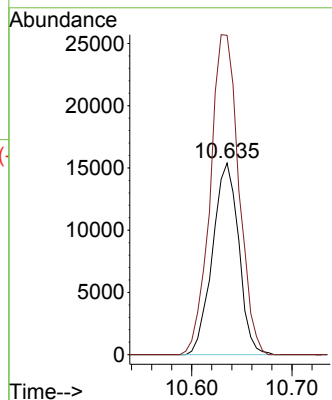
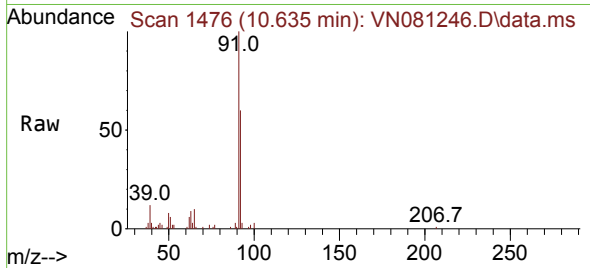




#52
Toluene
Concen: 2.677 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

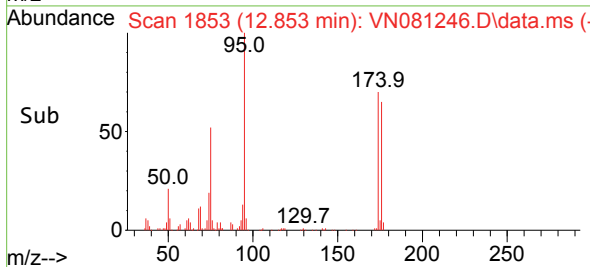
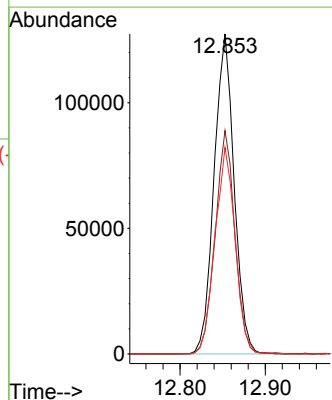
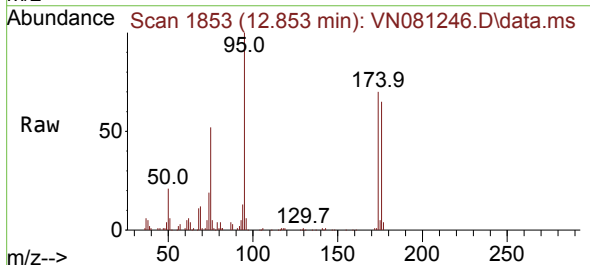
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20240223

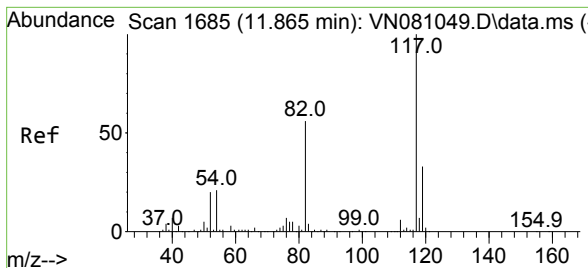
Tgt Ion: 92 Resp: 27936
Ion Ratio Lower Upper
92 100
91 181.9 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 46.878 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Tgt Ion: 95 Resp: 207999
Ion Ratio Lower Upper
95 100
174 68.7 0.0 120.4
176 65.2 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081246.D

Acq: 28 Feb 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

TT163S1-20240223

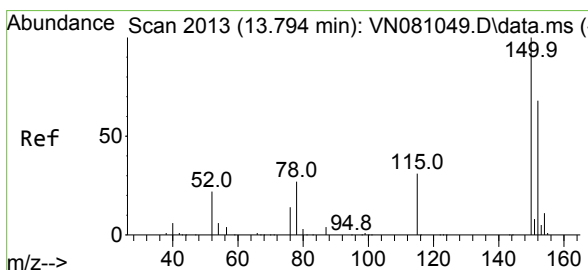
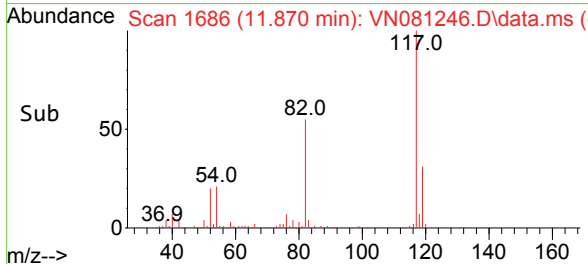
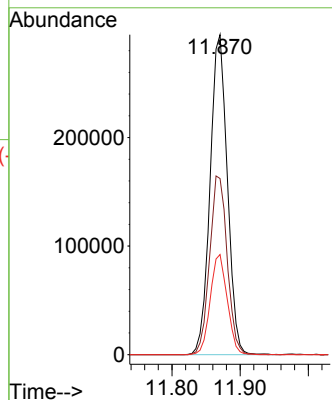
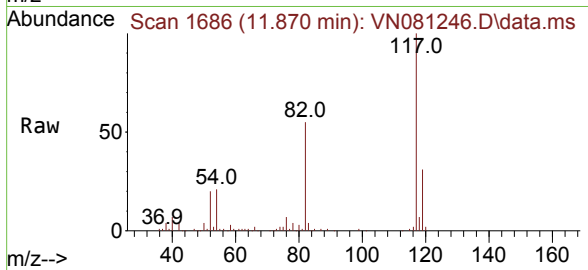
Tgt Ion:117 Resp: 519020

Ion Ratio Lower Upper

117 100

82 55.0 52.7 79.1

119 31.3 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081246.D

Acq: 28 Feb 2024 16:29

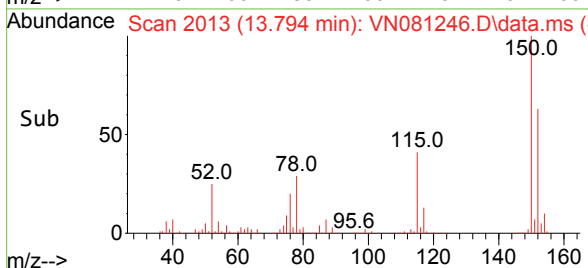
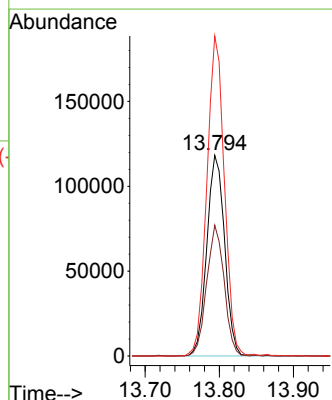
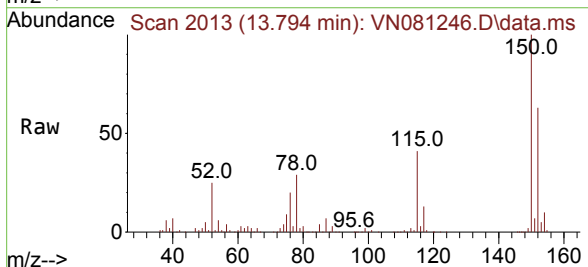
Tgt Ion:152 Resp: 198082

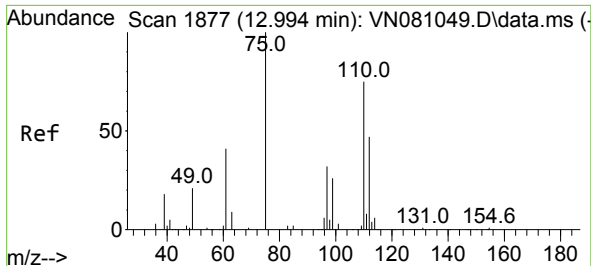
Ion Ratio Lower Upper

152 100

115 63.9 32.3 96.8

150 155.9 0.0 339.8

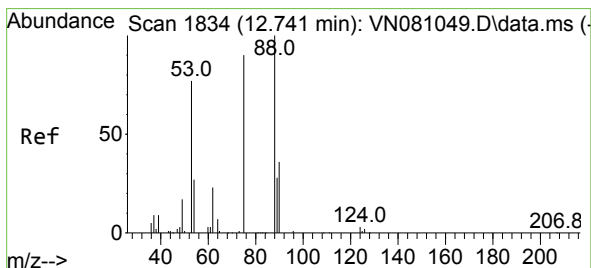
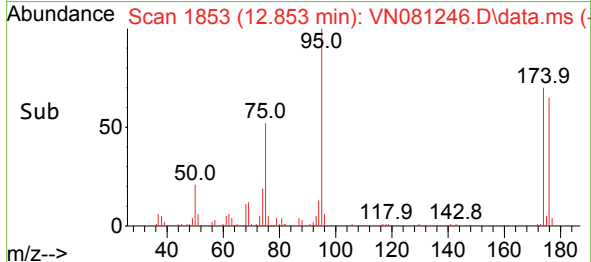
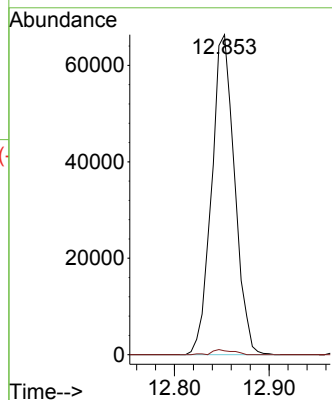
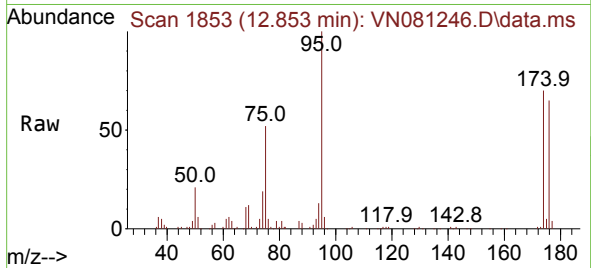




#76
1,2,3-Trichloropropane
Concen: 24.924 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

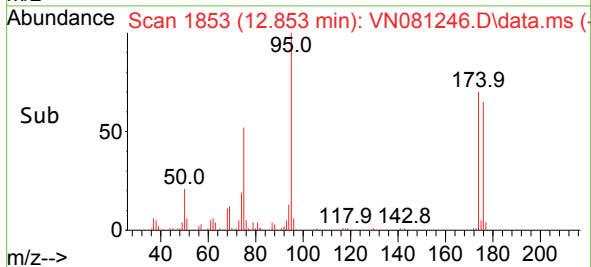
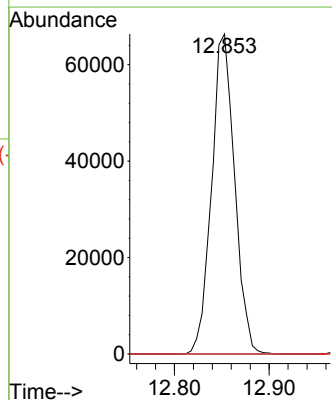
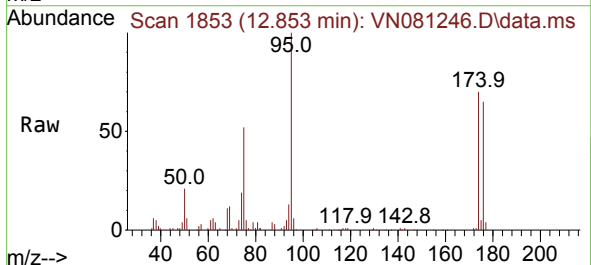
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20240223

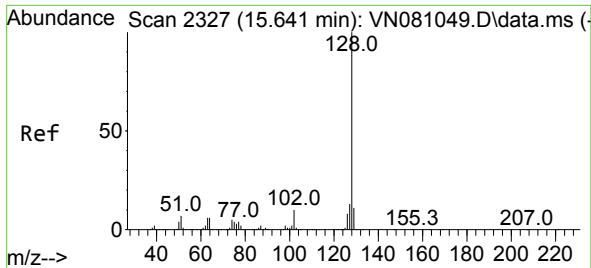
Tgt Ion: 75 Resp: 112173
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.153 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Tgt Ion: 75 Resp: 112173
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#





#95
Naphthalene
Concen: 0.229 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081246.D
Acq: 28 Feb 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20240223

Tgt Ion:128 Resp: 3300
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 2.4 8.7 13.1#

