

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081251.D
 Acq On : 28 Feb 2024 18:29
 Operator : JC\MD
 Sample : P1590-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20240222

Quant Time: Feb 28 23:30:23 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)

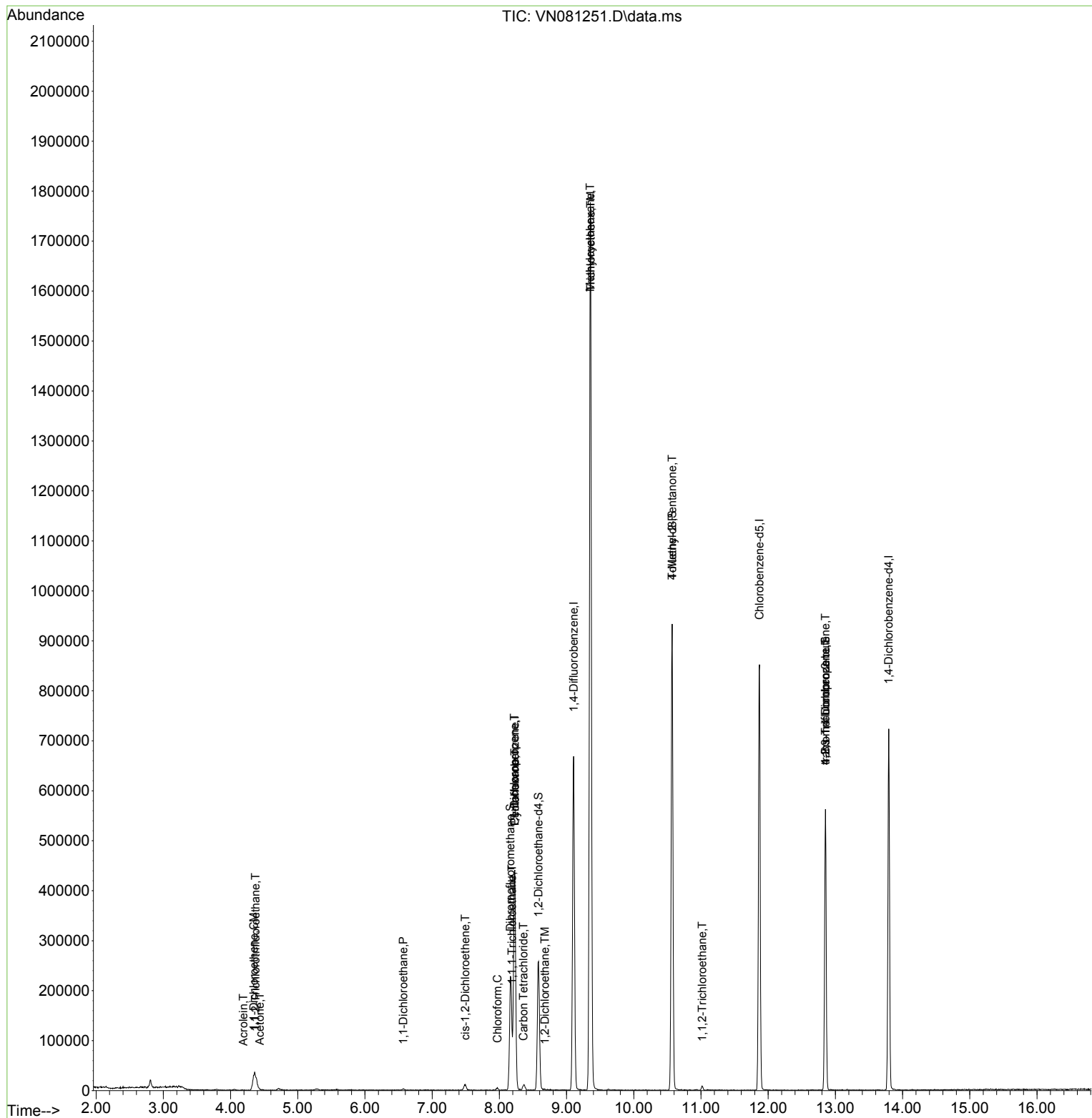
Internal Standards						
1) Pentafluorobenzene	8.230	168	304806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	559564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	483013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	208502	55.808	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.620%
35) Dibromofluoromethane	8.165	113	163393	51.639	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.280%
50) Toluene-d8	10.571	98	619434	55.118	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.240%
62) 4-Bromofluorobenzene	12.853	95	192210	45.517	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	846	Below Cal	#	43
6) Chloroethane	3.118	64	54	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	4.371	101	14010	3.929	ug/l #	77
12) 1,1-Dichloroethene	4.348	96	13811	4.007	ug/l	95
13) Acrolein	4.189	56	175	0.475	ug/l #	1
16) Acetone	4.436	43	4056	2.759	ug/l #	44
20) Methylene Chloride	5.295	84	628	Below Cal	#	65
24) 1,1-Dichloroethane	6.571	63	3441	0.513	ug/l #	85
27) cis-1,2-Dichloroethene	7.494	96	6963	1.558	ug/l	75
30) Chloroform	7.971	83	3594	0.504	ug/l #	67
31) Cyclohexane	8.230	56	8443	1.309	ug/l #	1
32) 1,1,1-Trichloroethane	8.188	97	1740	0.268	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	27397	5.054	ug/l #	49
38) Carbon Tetrachloride	8.359	117	7208	1.314	ug/l	85
39) Methylcyclohexane	9.353	83	8219	1.301	ug/l #	1
42) 1,2-Dichloroethane	8.677	62	1398	0.255	ug/l	87
44) Trichloroethene	9.359	130	618779	148.064	ug/l	94
49) 1,4-Dioxane	9.706	88	438	Below Cal	#	44
51) 4-Methyl-2-Pentanone	10.571	43	3542	0.720	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	2323	0.608	ug/l #	78
76) 1,2,3-Trichloropropane	12.853	75	107230	26.338	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107230	67.791	ug/l #	14

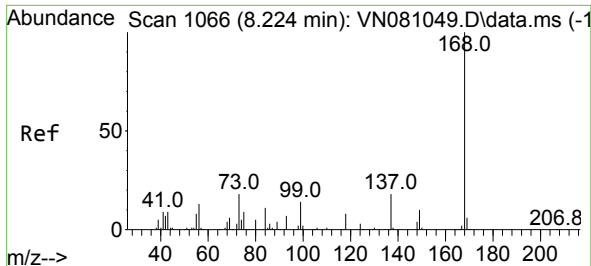
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

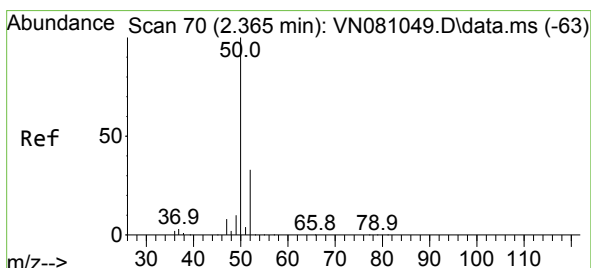
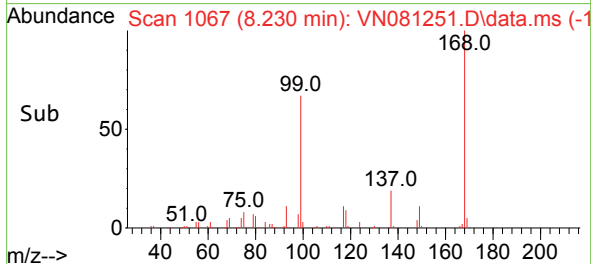
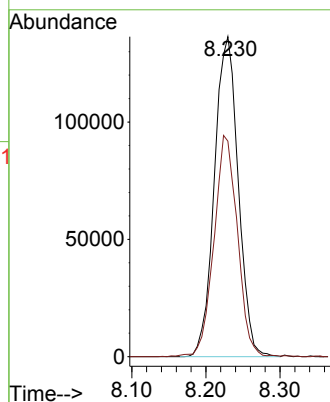
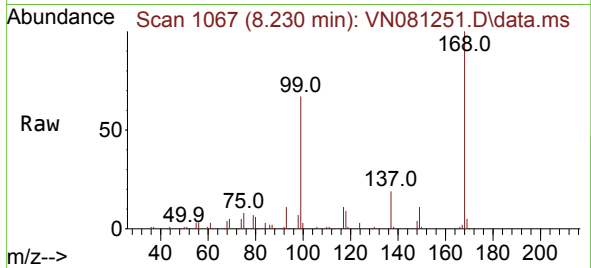




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

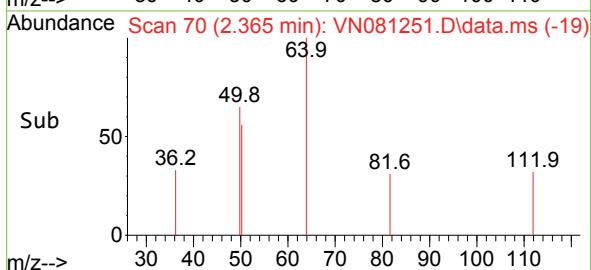
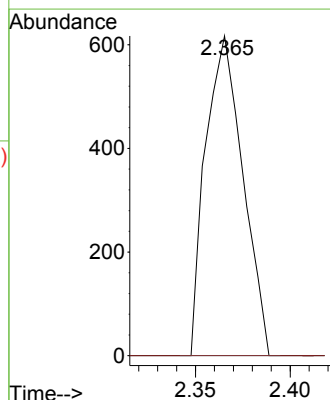
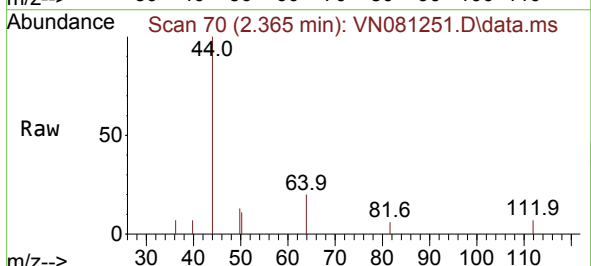
Instrument :
MSVOA_N
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RE139D2-20240222

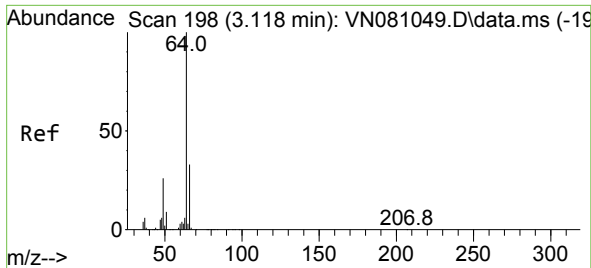
Tgt Ion:168 Resp: 304806
Ion Ratio Lower Upper
168 100
99 67.1 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 50 Resp: 846
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

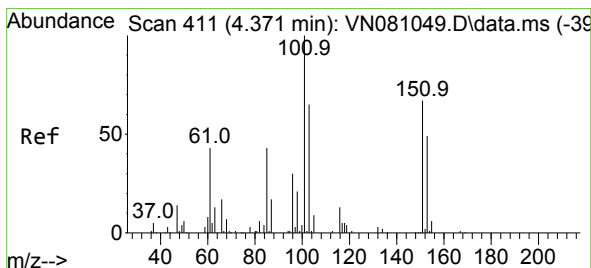
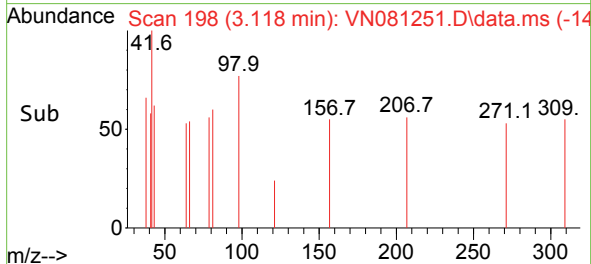
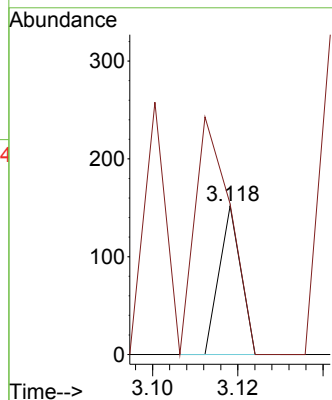
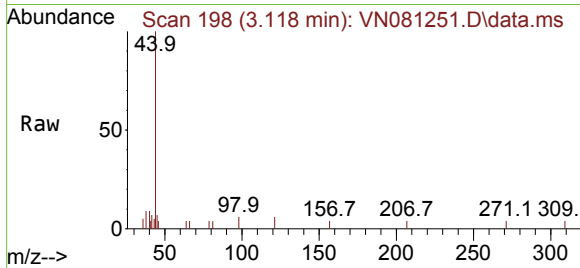




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

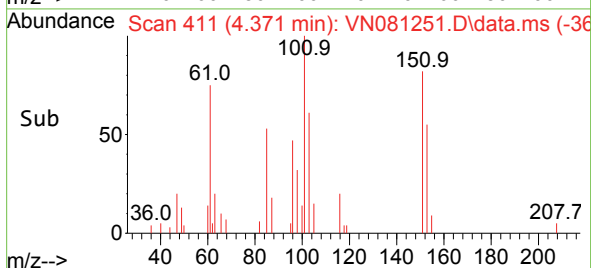
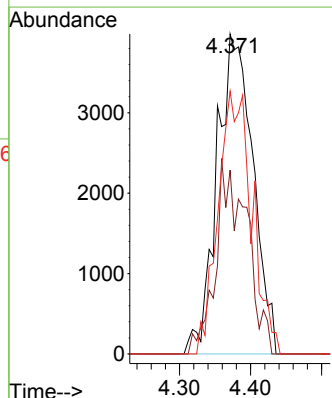
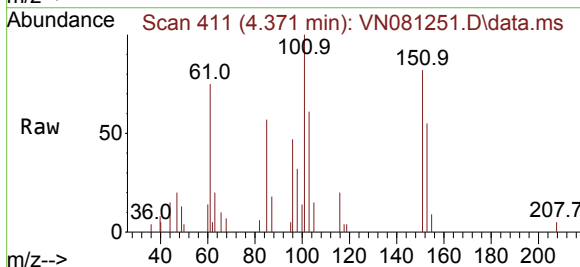
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222

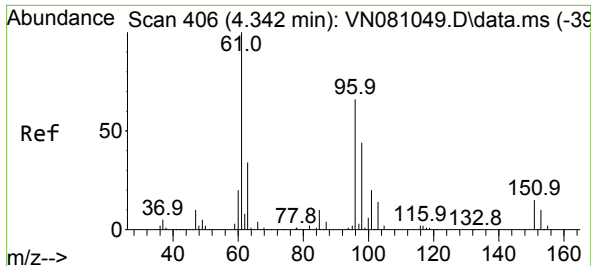
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 101.3 26.4 39.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.929 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 101 Resp: 14010
Ion Ratio Lower Upper
101 100
85 29.8 38.1 57.1#
151 76.9 49.1 73.7#





#12

1,1-Dichloroethene

Concen: 4.007 ug/l

RT: 4.348 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222

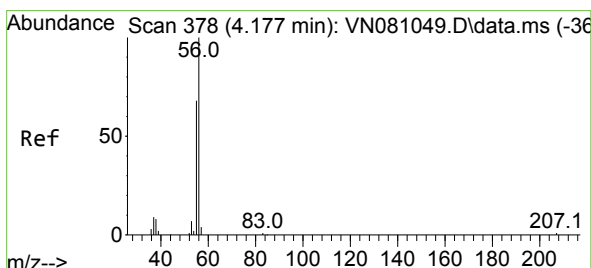
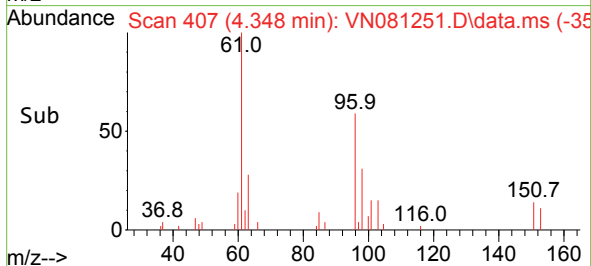
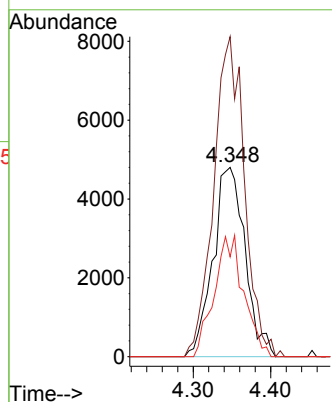
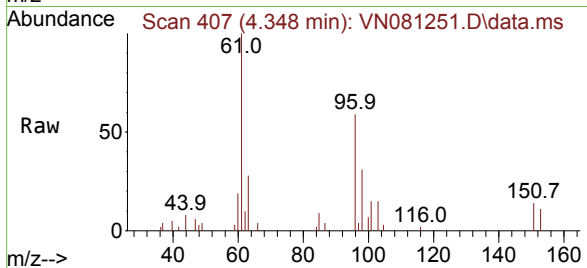
Tgt Ion: 96 Resp: 13811

Ion Ratio Lower Upper

96 100

61 169.1 138.2 207.4

98 52.7 49.2 73.8



#13

Acrolein

Concen: 0.475 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN081251.D

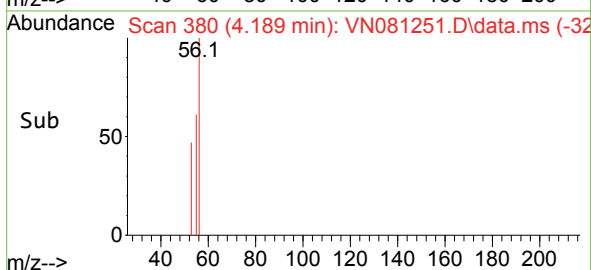
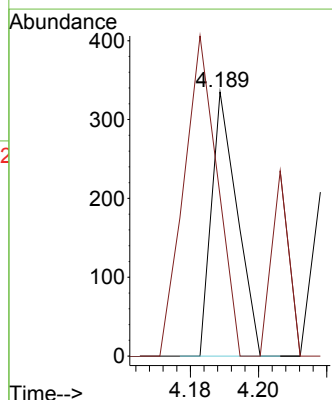
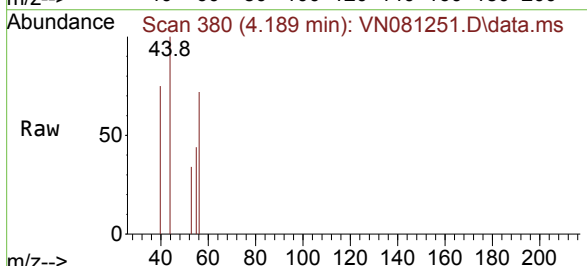
Acq: 28 Feb 2024 18:29

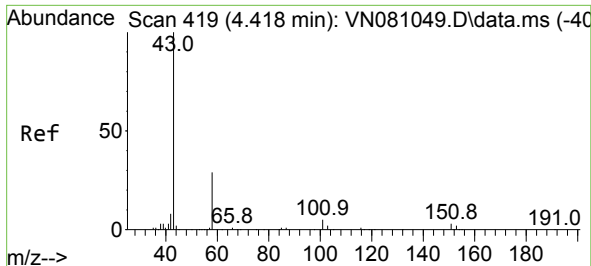
Tgt Ion: 56 Resp: 175

Ion Ratio Lower Upper

56 100

55 158.3 55.3 82.9#

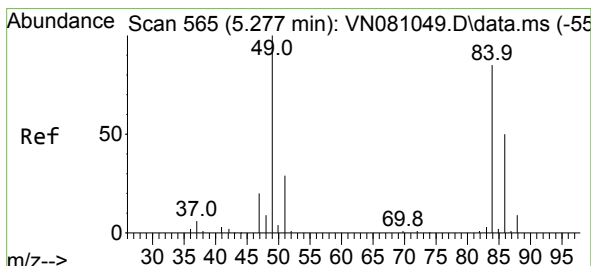
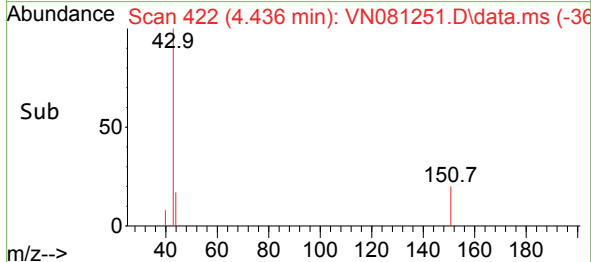
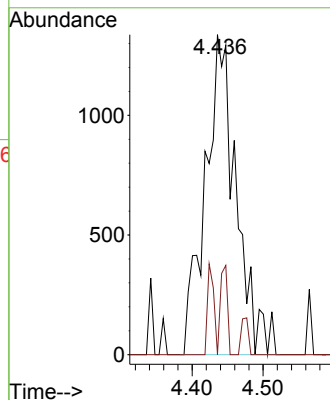
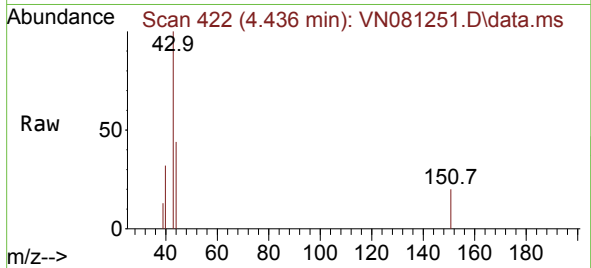




#16
Acetone
Concen: 2.759 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

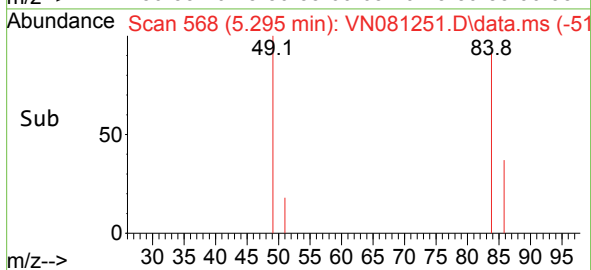
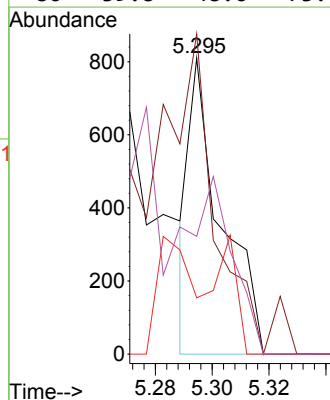
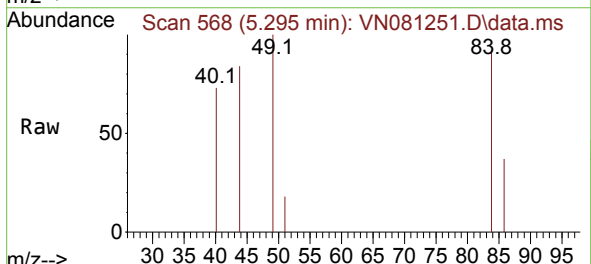
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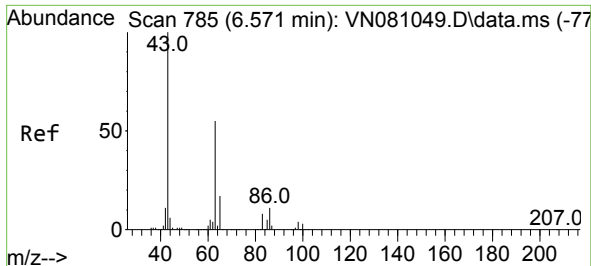
Tgt Ion: 43 Resp: 4056
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 568
Delta R.T. 0.018 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 84 Resp: 628
Ion Ratio Lower Upper
84 100
49 88.6 108.1 162.1#
51 19.0 32.9 49.3#
86 39.8 48.6 73.0#

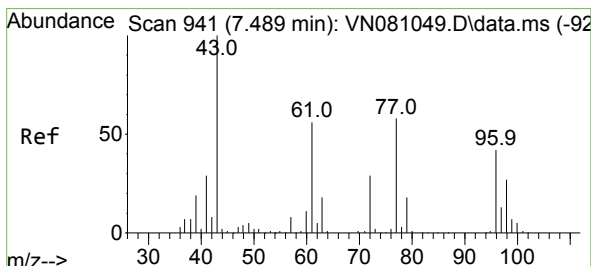
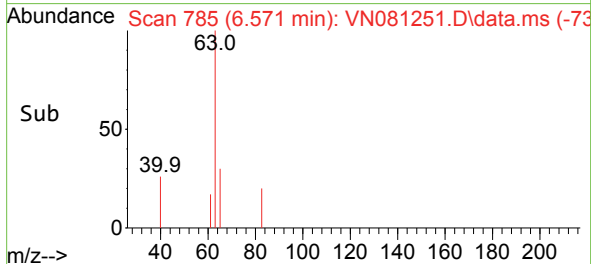
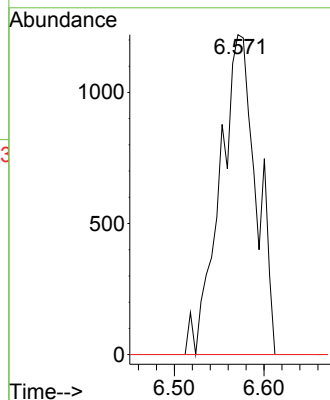
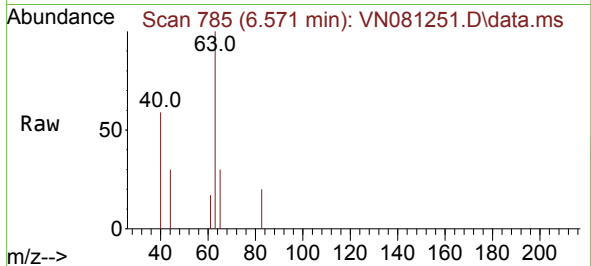




#24
1,1-Dichloroethane
Concen: 0.513 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

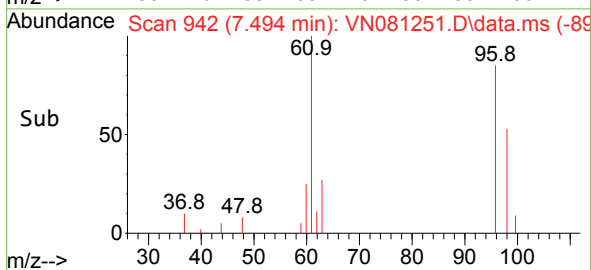
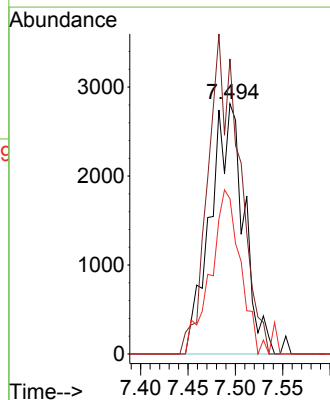
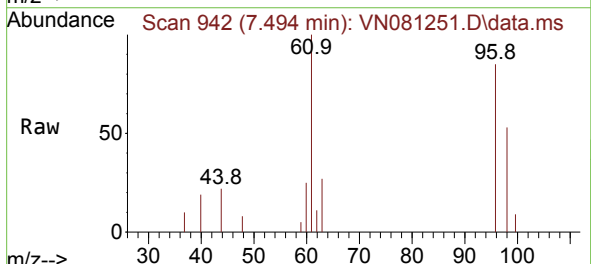
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222

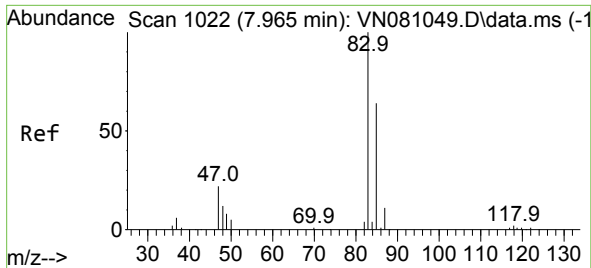
Tgt Ion: 63 Resp: 3441
Ion Ratio Lower Upper
63 100
98 0.0 2.9 8.6#
100 0.0 1.9 5.7#



#27
cis-1,2-Dichloroethene
Concen: 1.558 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 96 Resp: 6963
Ion Ratio Lower Upper
96 100
61 120.2 0.0 325.4
98 58.2 0.0 130.4

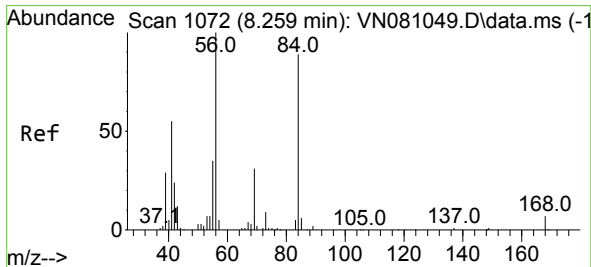
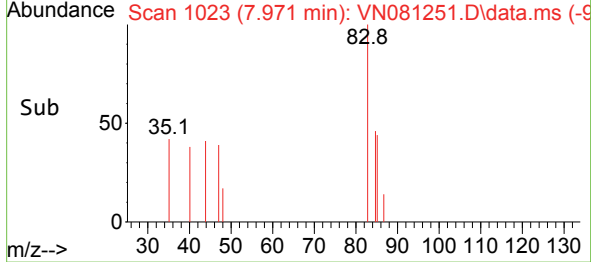
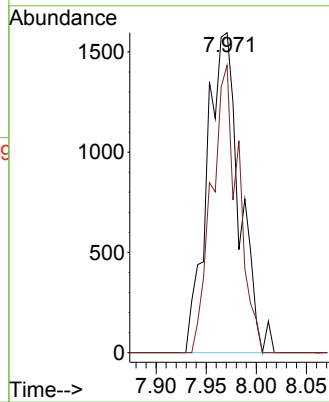
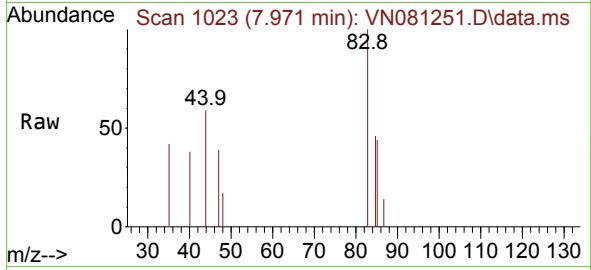




#30
Chloroform
Concen: 0.504 ug/l
RT: 7.971 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

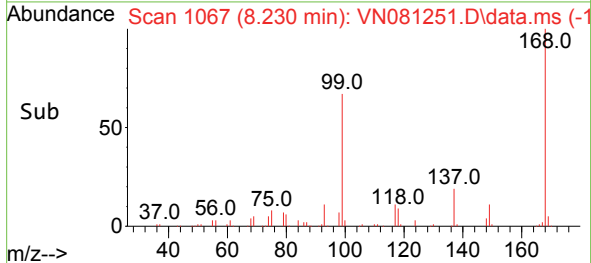
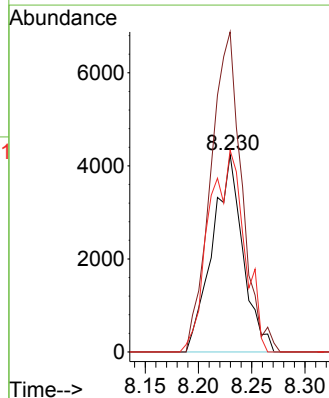
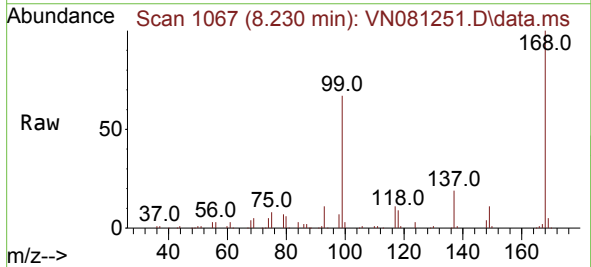
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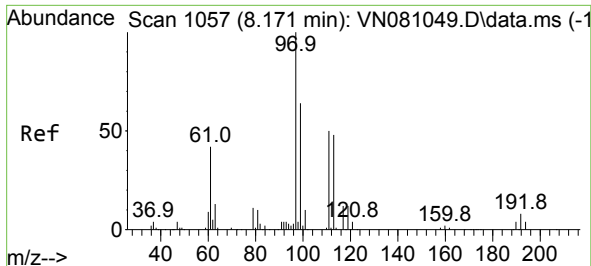
Tgt Ion: 83 Resp: 3594
Ion Ratio Lower Upper
83 100
85 89.8 51.0 76.6#



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 56 Resp: 8443
Ion Ratio Lower Upper
56 100
69 162.2 20.1 30.1#
84 102.3 56.9 85.3#

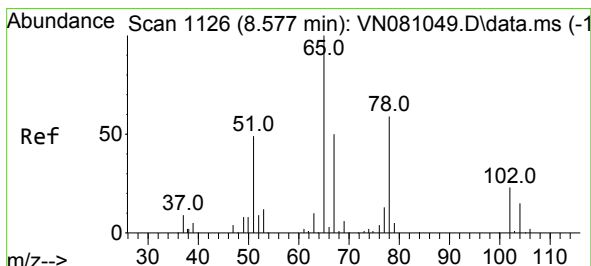
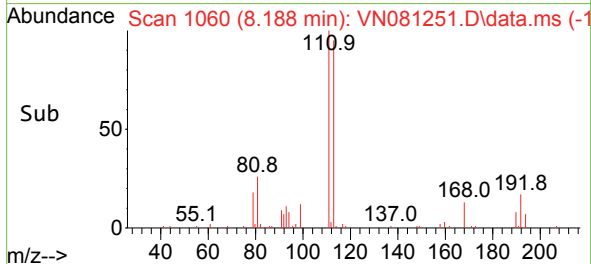
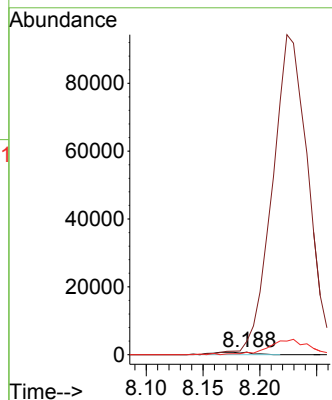
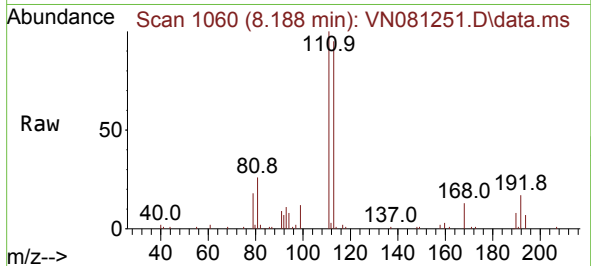




#32
1,1,1-Trichloroethane
Concen: 0.268 ug/l
RT: 8.188 min Scan# 1106
Delta R.T. 0.018 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

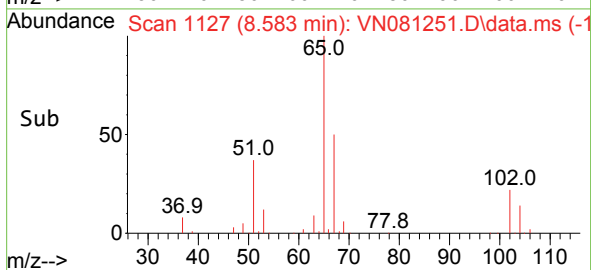
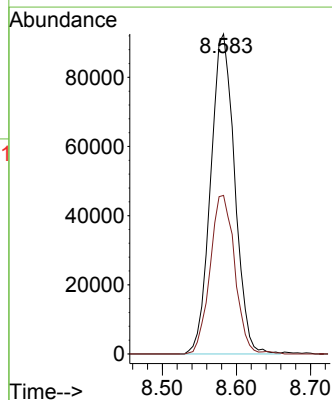
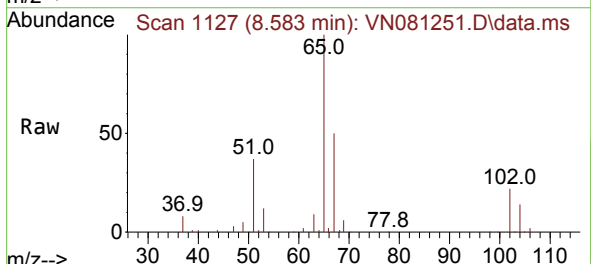
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222

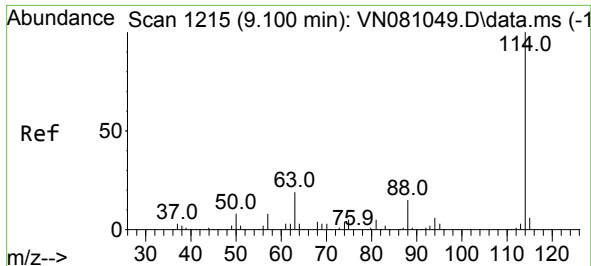
Tgt Ion: 97 Resp: 1740
Ion Ratio Lower Upper
97 100
99 0.0 53.4 80.0#
61 0.0 43.8 65.8#



#33
1,2-Dichloroethane-d4
Concen: 55.808 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 65 Resp: 208502
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222

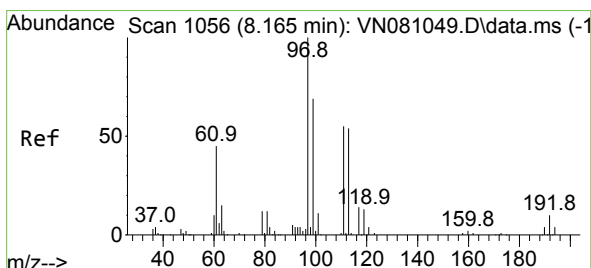
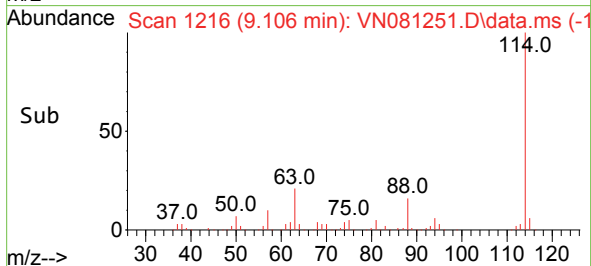
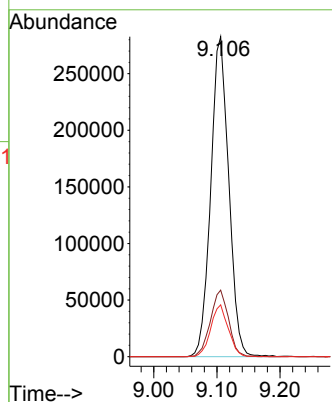
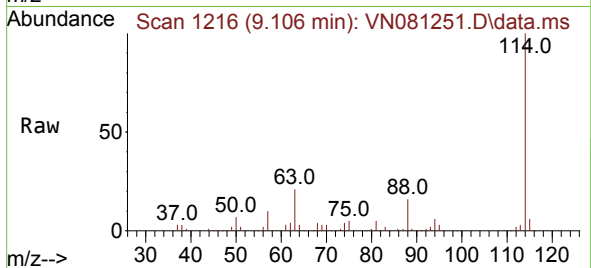
Tgt Ion:114 Resp: 559564

Ion Ratio Lower Upper

114 100

63 20.8 0.0 48.0

88 16.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.639 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

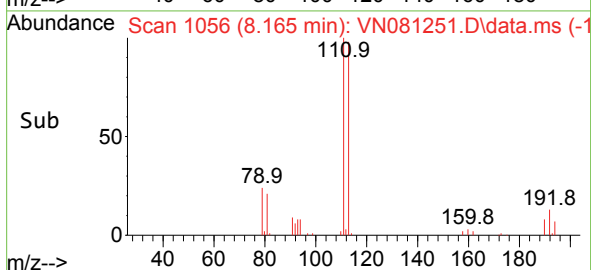
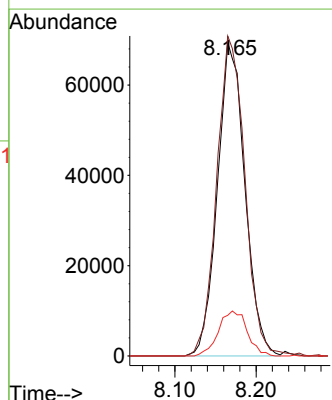
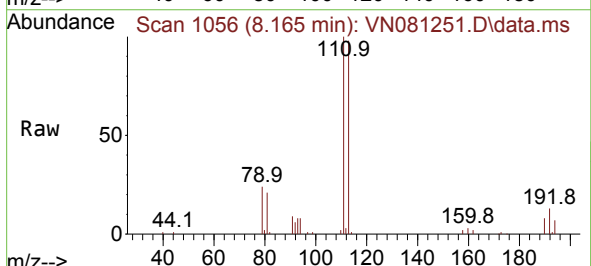
Tgt Ion:113 Resp: 163393

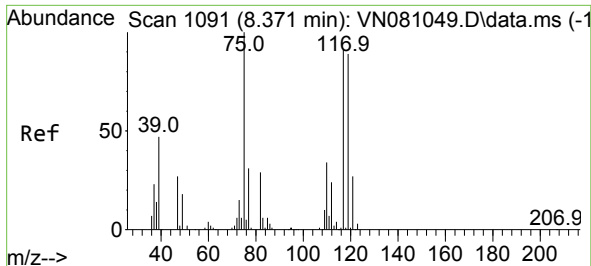
Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

192 15.0 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.054 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222

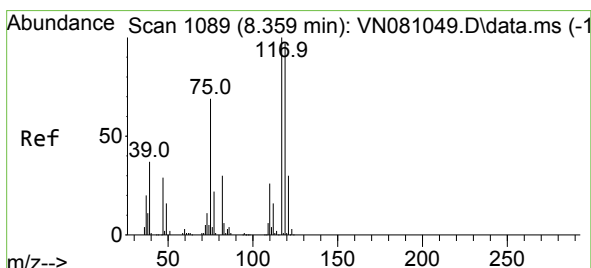
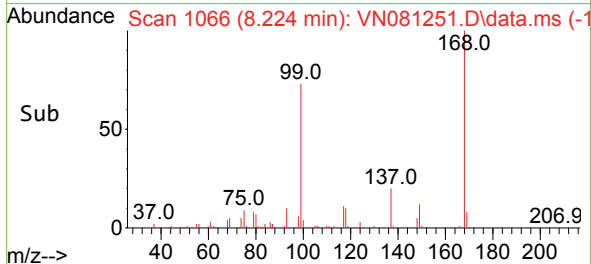
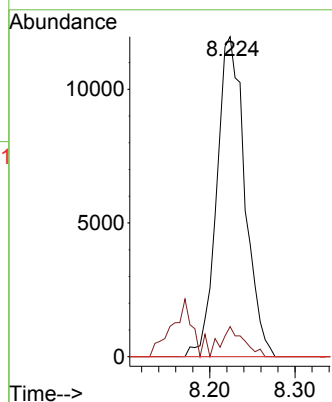
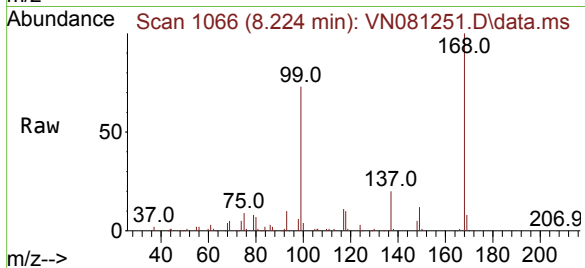
Tgt Ion: 75 Resp: 27397

Ion Ratio Lower Upper

75 100

110 7.6 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 1.314 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

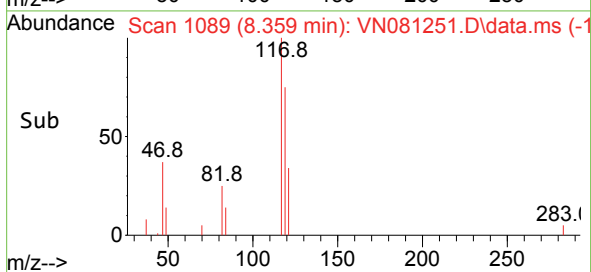
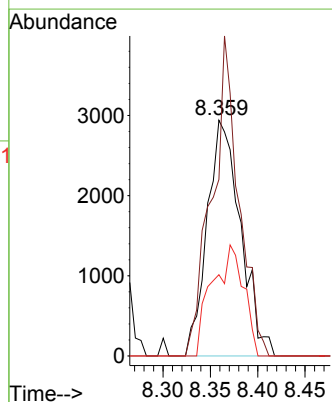
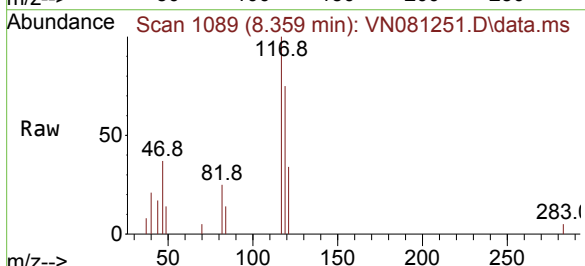
Tgt Ion: 117 Resp: 7208

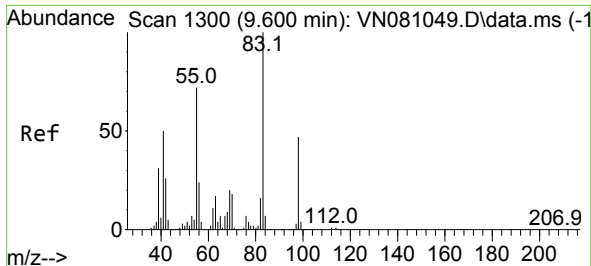
Ion Ratio Lower Upper

117 100

119 74.9 73.4 110.2

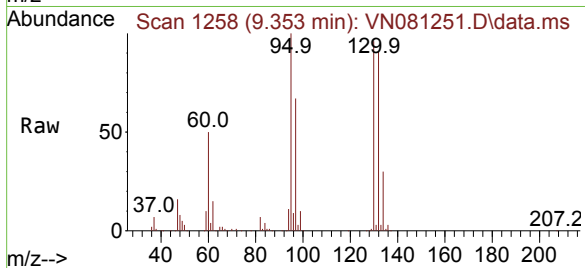
121 34.4 24.4 36.6



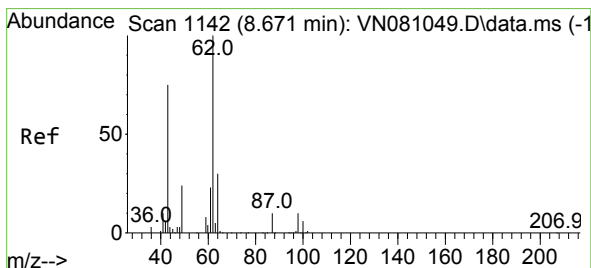
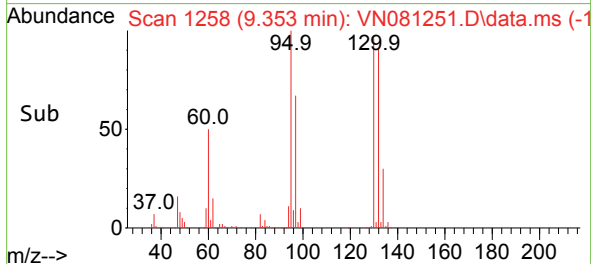
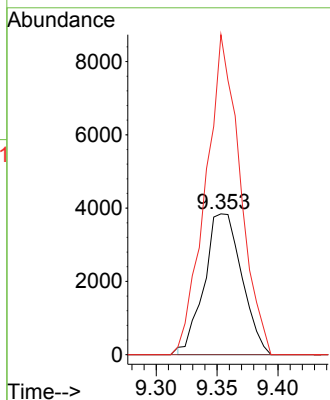


#39
Methylcyclohexane
Concen: 1.301 ug/l
RT: 9.353 min Scan# 1129
Delta R.T. -0.247 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222

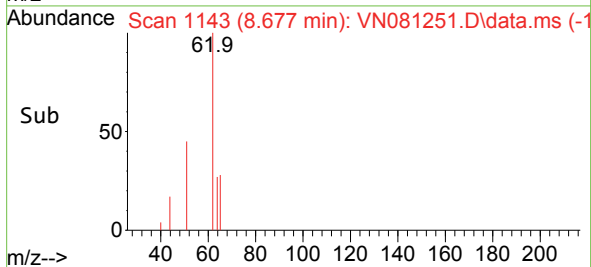
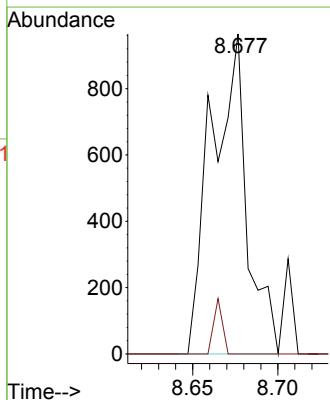
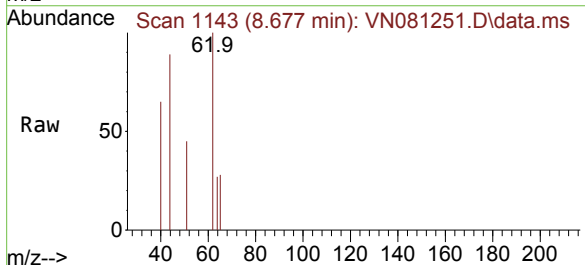


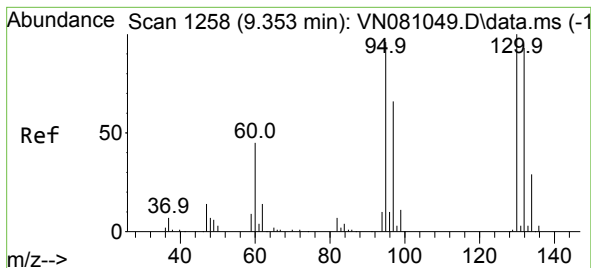
Tgt Ion: 83 Resp: 8219
Ion Ratio Lower Upper
83 100
55 0.0 65.7 98.5#
98 237.8 33.8 50.6#



#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 62 Resp: 1398
Ion Ratio Lower Upper
62 100
98 4.2 0.0 18.0





#44

Trichloroethene

Concen: 148.064 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

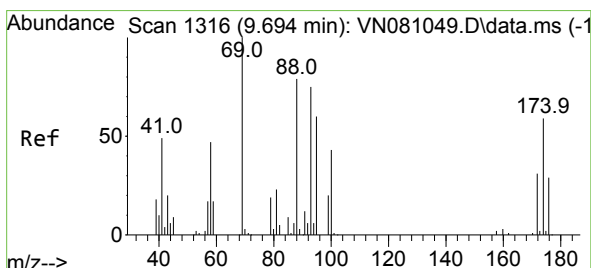
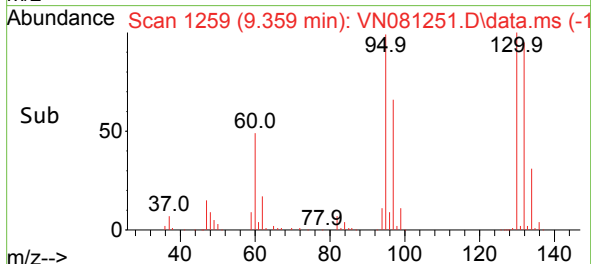
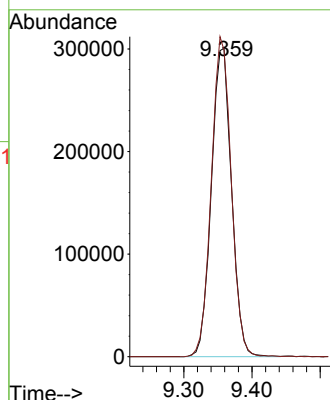
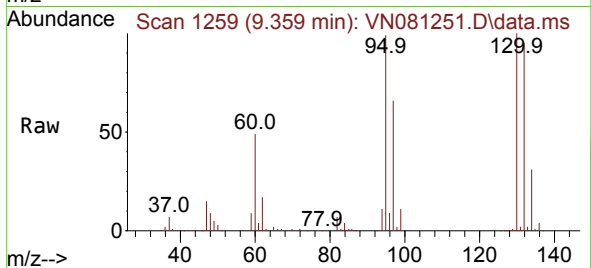
RE139D2-20240222

Tgt Ion:130 Resp: 618779

Ion Ratio Lower Upper

130 100

95 99.4 0.0 210.4



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.706 min Scan# 1318

Delta R.T. 0.012 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

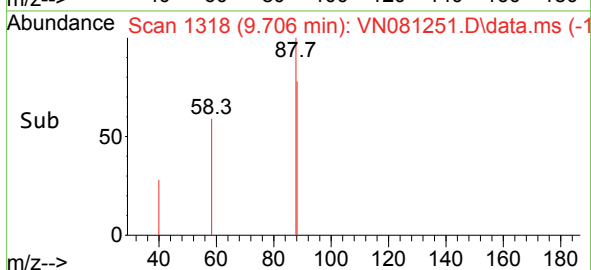
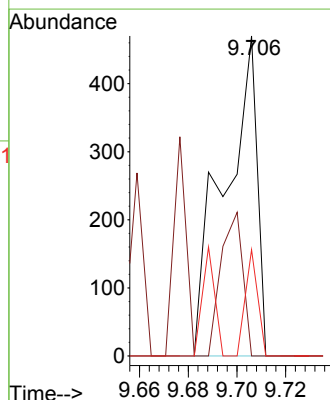
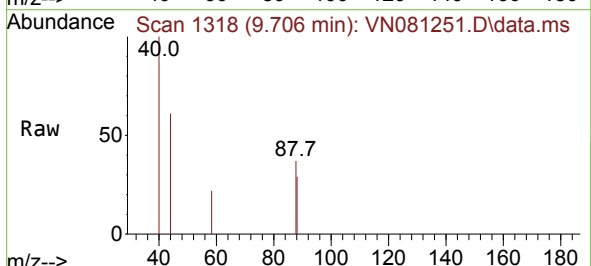
Tgt Ion: 88 Resp: 438

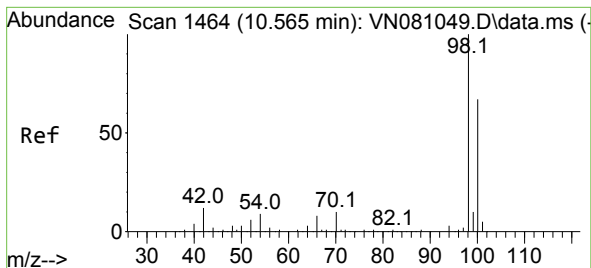
Ion Ratio Lower Upper

88 100

43 29.9 30.1 45.1#

58 12.6 63.9 95.9#





#50

Toluene-d8

Concen: 55.118 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

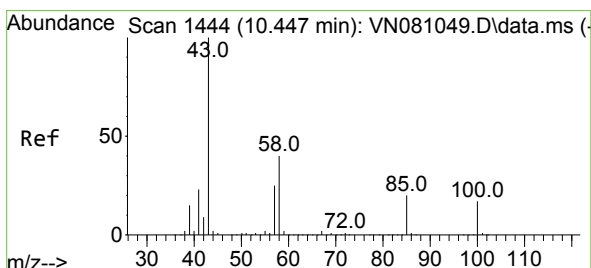
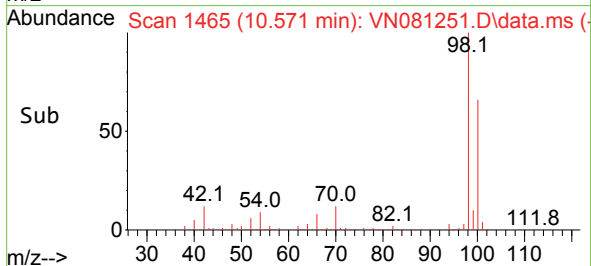
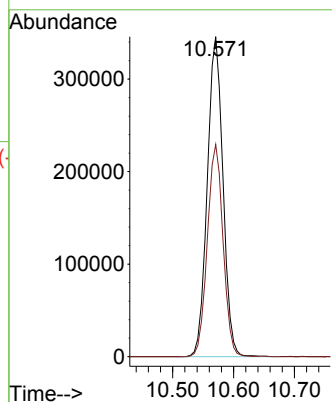
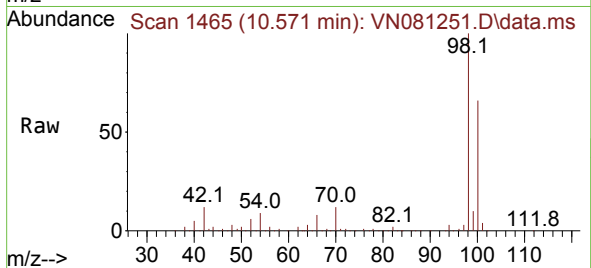
RE139D2-20240222

Tgt Ion: 98 Resp: 619434

Ion Ratio Lower Upper

98 100

100 66.4 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.720 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.123 min

Lab File: VN081251.D

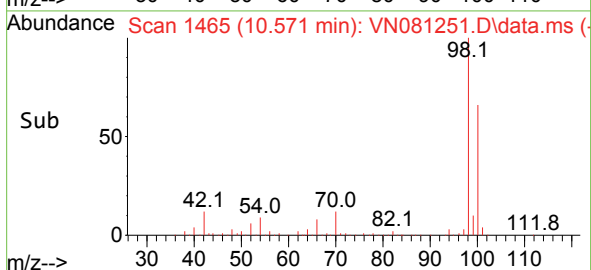
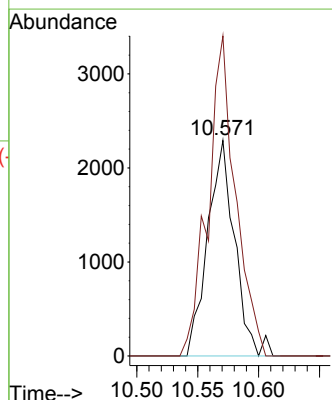
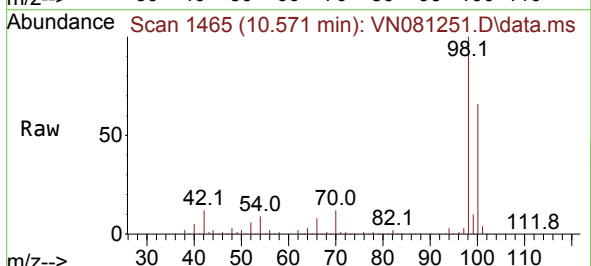
Acq: 28 Feb 2024 18:29

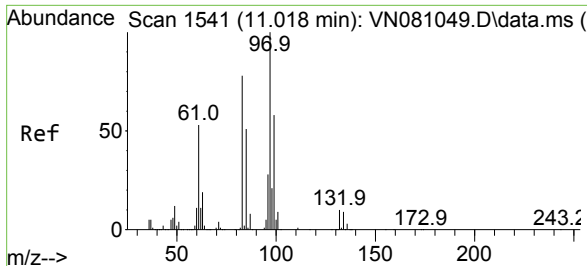
Tgt Ion: 43 Resp: 3542

Ion Ratio Lower Upper

43 100

58 151.2 29.4 44.0#

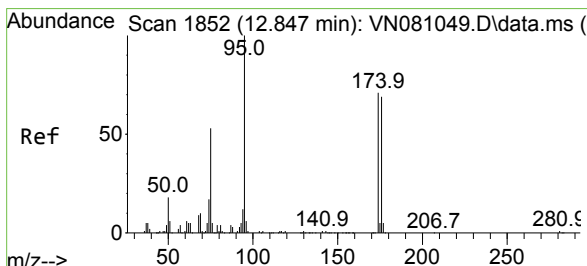
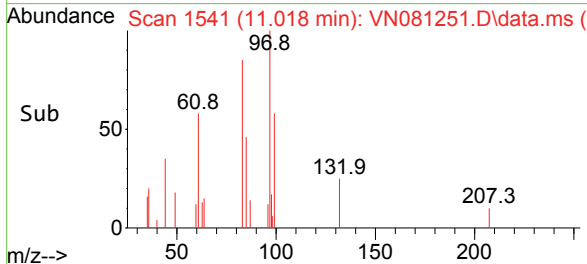
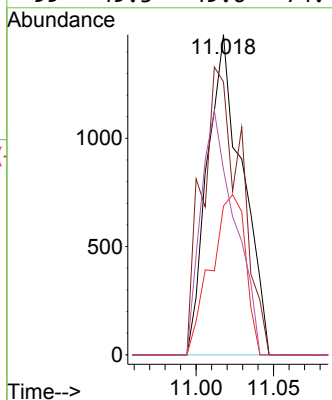
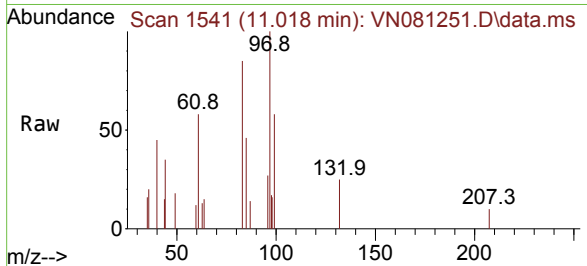




#55
 1,1,2-Trichloroethane
 Concen: 0.608 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VN081251.D
 Acq: 28 Feb 2024 18:29

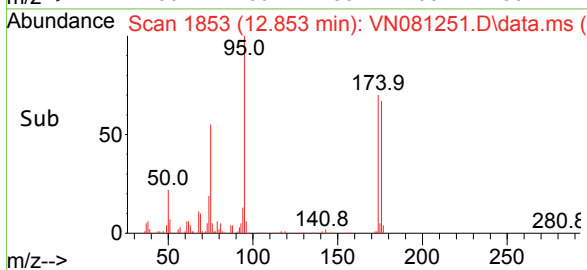
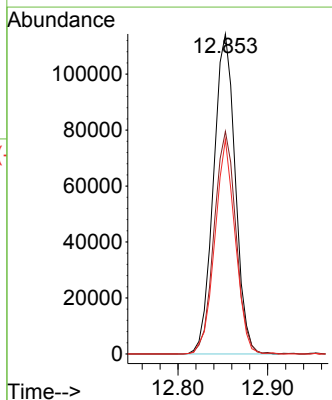
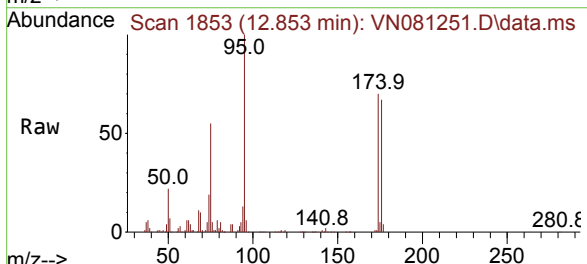
Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20240222

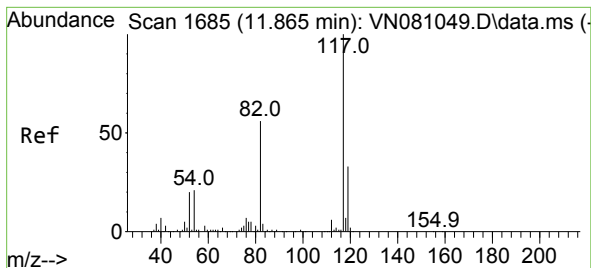
Tgt Ion: 97	Resp: 2323
Ion Ratio	Lower Upper
97 100	
83 72.7	72.9 109.3#
85 39.6	50.2 75.2#
99 49.3	49.6 74.4#



#62
 4-Bromofluorobenzene
 Concen: 45.517 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081251.D
 Acq: 28 Feb 2024 18:29

Tgt Ion: 95	Resp: 192210
Ion Ratio	Lower Upper
95 100	
174 70.0	0.0 120.4
176 63.1	0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222

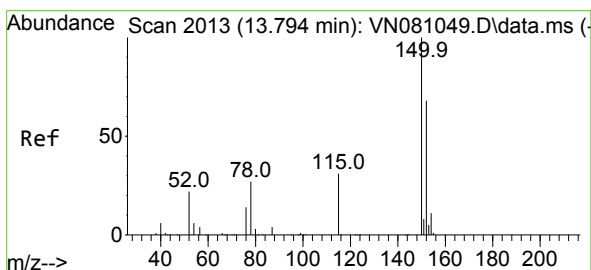
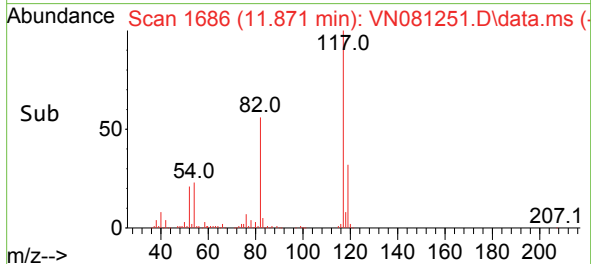
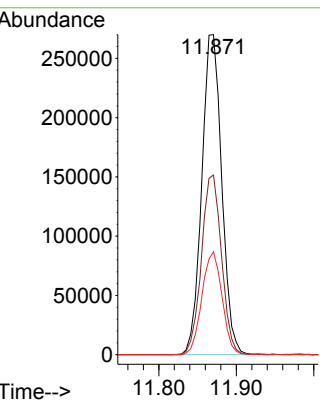
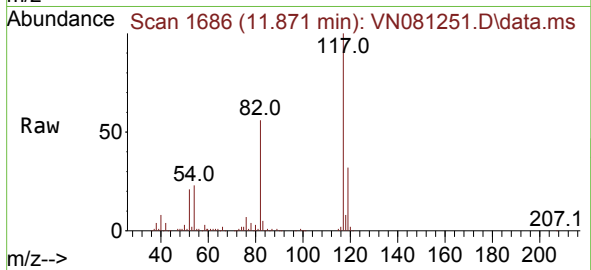
Tgt Ion:117 Resp: 483013

Ion Ratio Lower Upper

117 100

82 56.2 52.7 79.1

119 32.2 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: VN081251.D

Acq: 28 Feb 2024 18:29

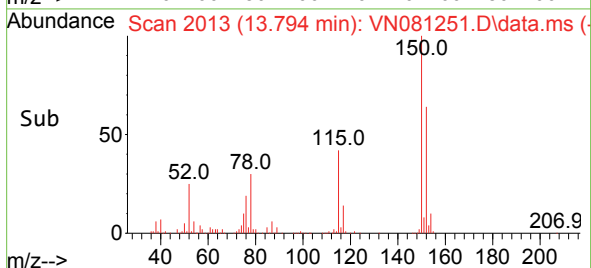
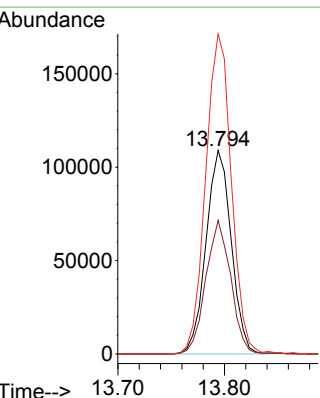
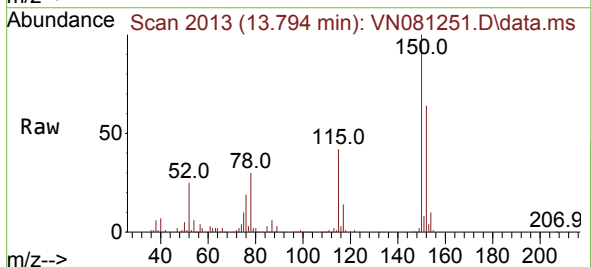
Tgt Ion:152 Resp: 179192

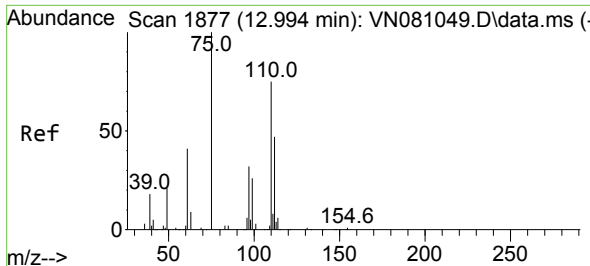
Ion Ratio Lower Upper

152 100

115 64.9 32.3 96.8

150 160.1 0.0 339.8

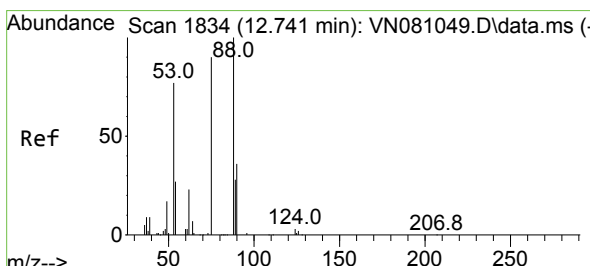
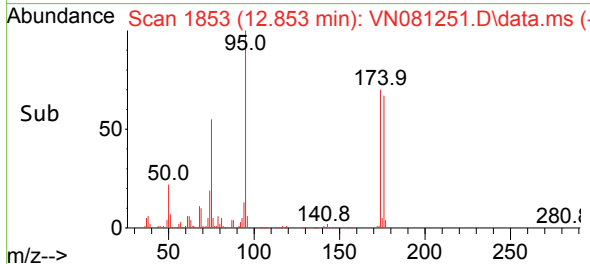
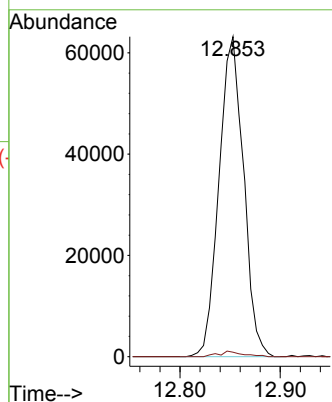
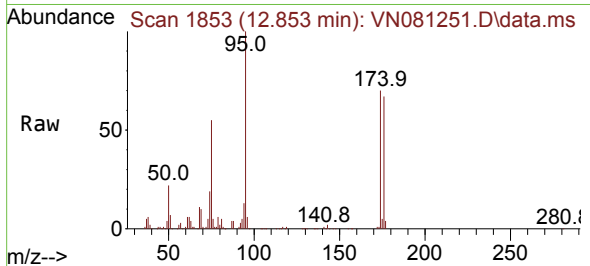




#76
1,2,3-Trichloropropane
Concen: 26.338 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222

Tgt Ion: 75 Resp: 107230
Ion Ratio Lower Upper
75 100
77 1.7 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.791 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 75 Resp: 107230
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.2 33.4 50.0#

