

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032524\
 Data File : VN081564.D
 Acq On : 25 Mar 2024 16:05
 Operator : JC\MD
 Sample : P1838-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-SP100-20240321DL

Quant Time: Mar 26 01:20:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

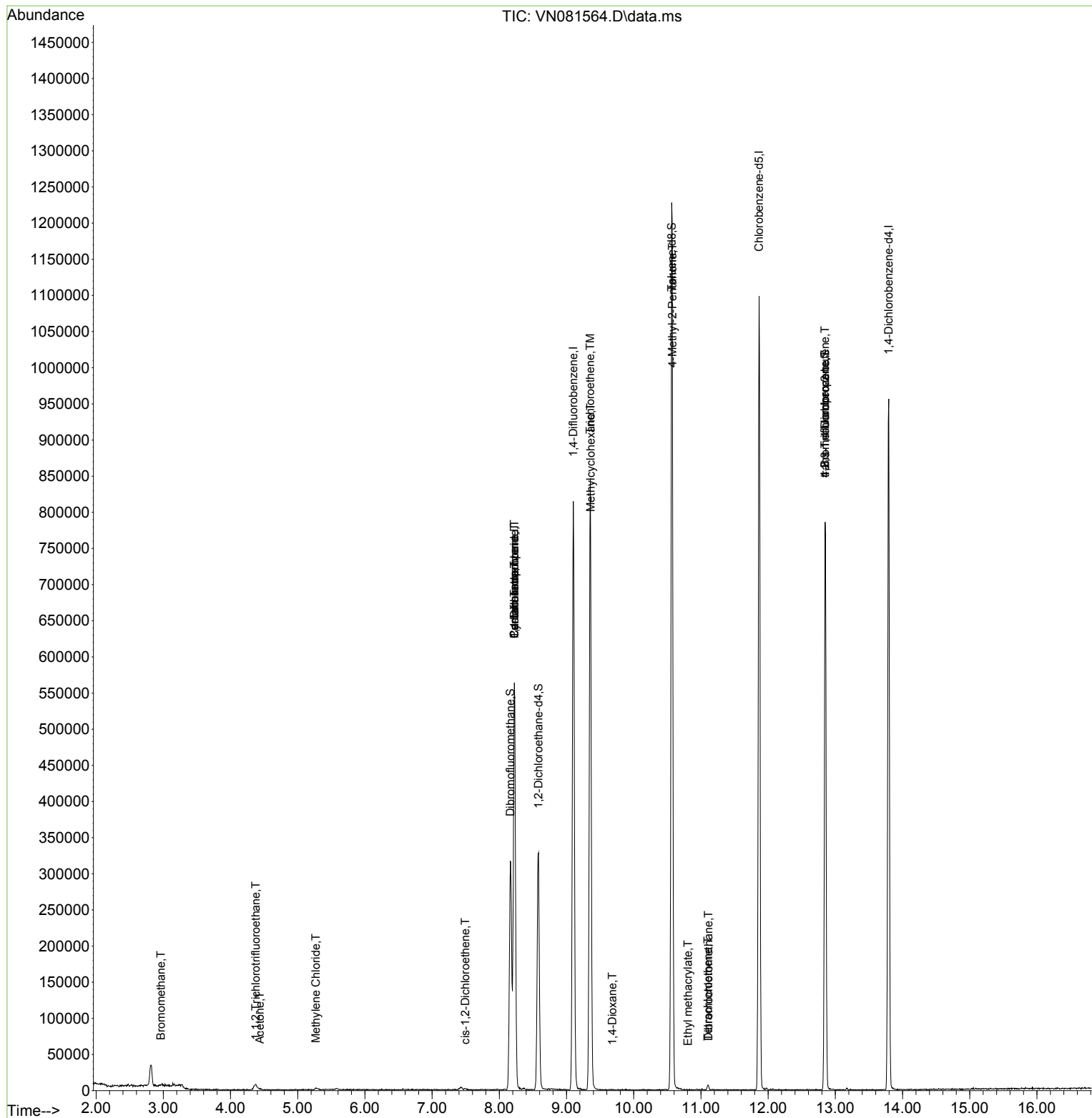
Internal Standards						
1) Pentafluorobenzene	8.224	168	398594	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	726237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	655964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	256829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	264597	52.054	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.100%	
35) Dibromofluoromethane	8.165	113	229052	49.975	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.960%	
50) Toluene-d8	10.565	98	874338	52.773	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.540%	
62) 4-Bromofluorobenzene	12.847	95	278835	47.763	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 95.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	1331	0.314	ug/l	# 75
9) 1,1,2-Trichlorotrifluo...	4.377	101	5485	1.080	ug/l	# 77
16) Acetone	4.436	43	2679	1.631	ug/l	97
20) Methylene Chloride	5.271	84	1341	0.249	ug/l	# 63
27) cis-1,2-Dichloroethene	7.494	96	1230	0.207	ug/l	61
31) Cyclohexane	8.224	56	8998	1.088	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	33037	4.283	ug/l	# 52
38) Carbon Tetrachloride	8.224	117	44745	5.296	ug/l	# 20
39) Methylcyclohexane	9.359	83	4144	0.481	ug/l	# 1
44) Trichloroethene	9.353	130	302725	47.732	ug/l	99
49) 1,4-Dioxane	9.683	88	109	0.898	ug/l	# 74
51) 4-Methyl-2-Pentanone	10.577	43	3747	0.561	ug/l	# 1
56) Ethyl methacrylate	10.806	69	60	0.578	ug/l	# 20
60) Dibromochloromethane	11.112	129	1561	0.246	ug/l	# 10
64) Tetrachloroethene	11.106	164	1721	0.274	ug/l	# 56
76) 1,2,3-Trichloropropane	12.847	75	144905	23.587	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	144905	63.739	ug/l	# 14

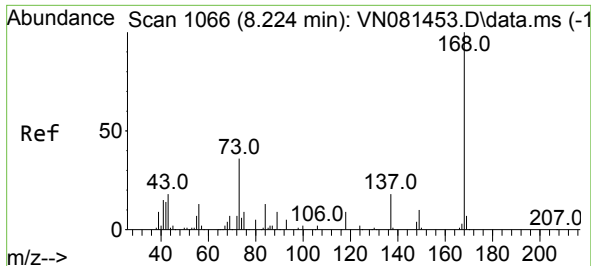
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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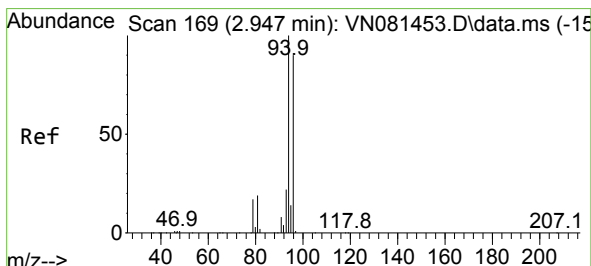
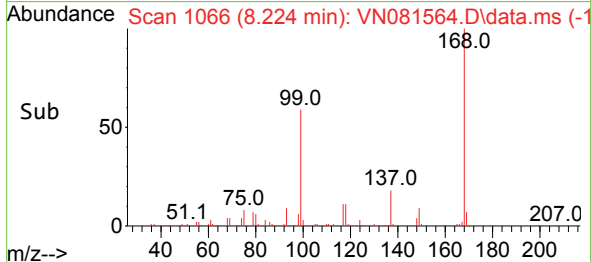
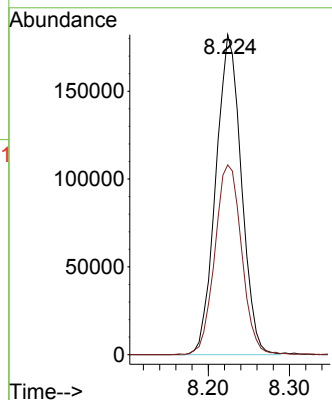
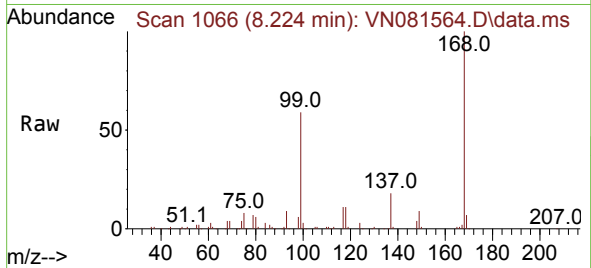




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

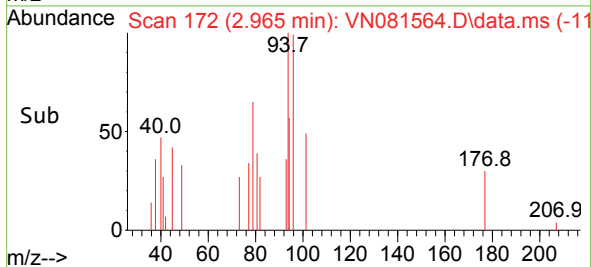
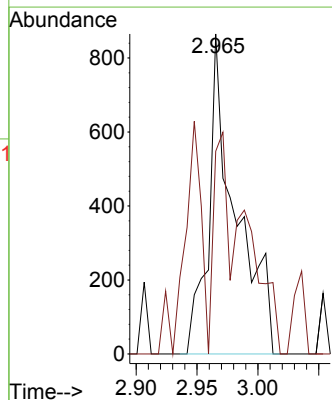
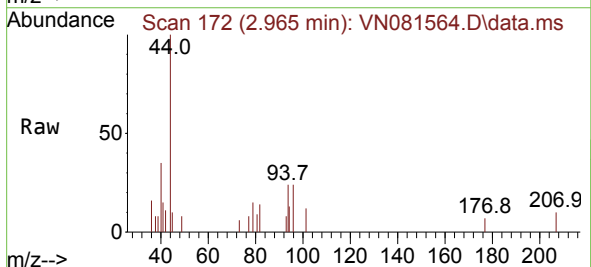
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP100-20240321DL

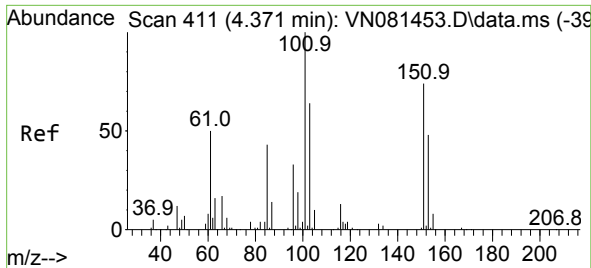
Tgt Ion:168 Resp: 398594
Ion Ratio Lower Upper
168 100
99 59.1 59.9 89.9#



#5
Bromomethane
Concen: 0.314 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Tgt Ion: 94 Resp: 1331
Ion Ratio Lower Upper
94 100
96 63.4 69.2 103.8#

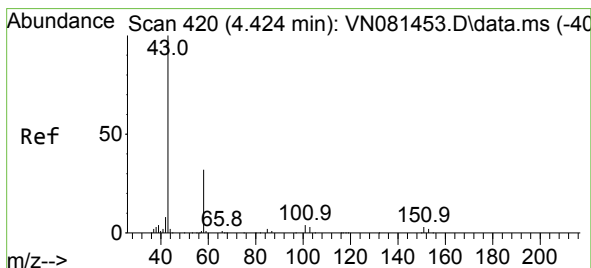
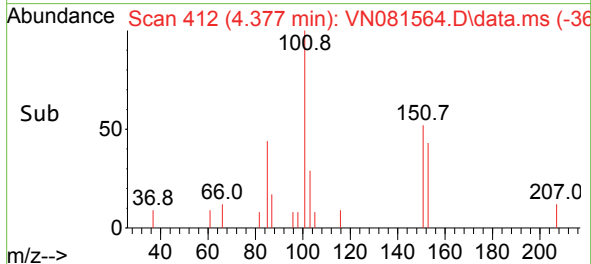
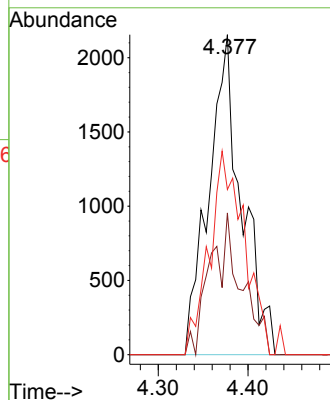
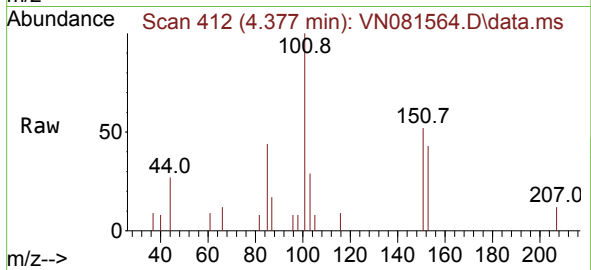




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.080 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

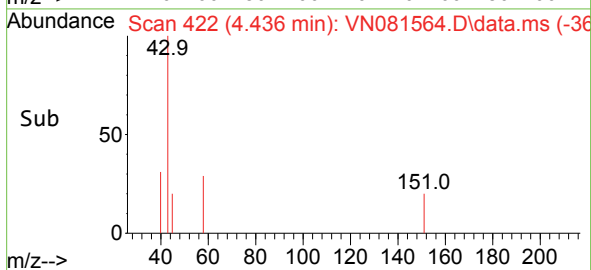
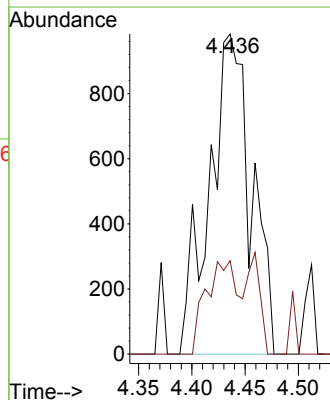
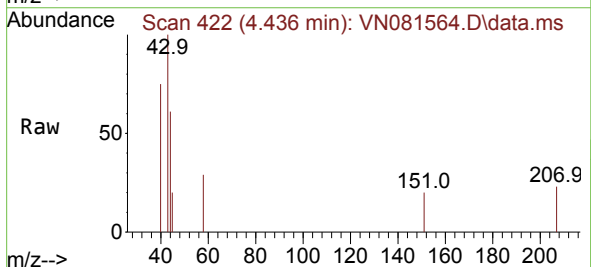
Instrument :
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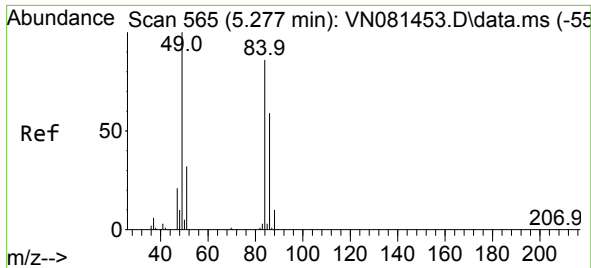
Tgt Ion:101 Resp: 5485
Ion Ratio Lower Upper
101 100
85 18.9 38.1 57.1#
151 67.5 49.1 73.7



#16
Acetone
Concen: 1.631 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Tgt Ion: 43 Resp: 2679
Ion Ratio Lower Upper
43 100
58 29.2 24.8 37.2

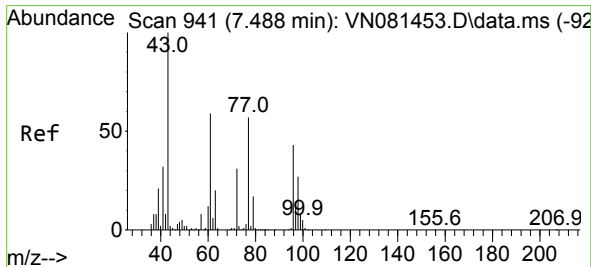
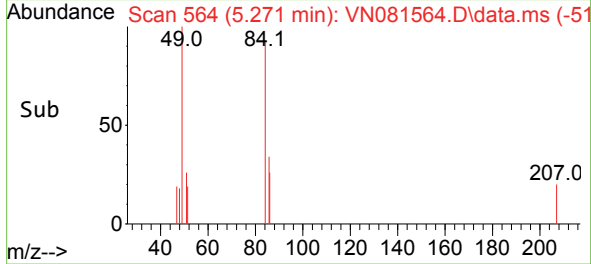
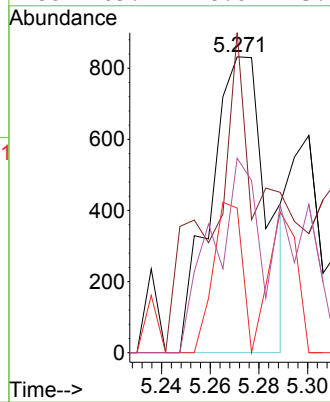
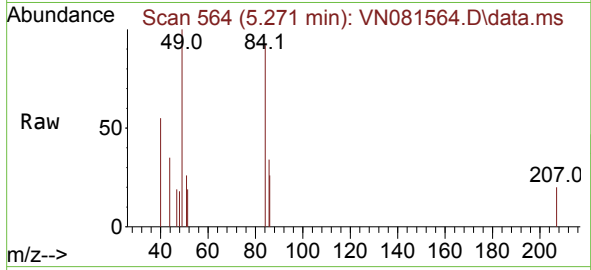




#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

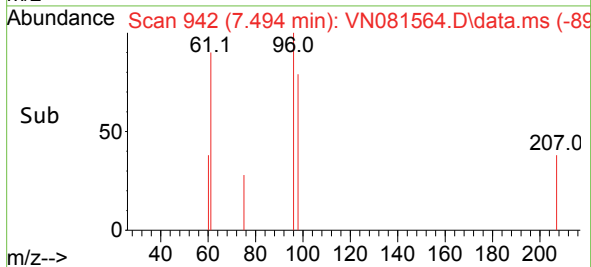
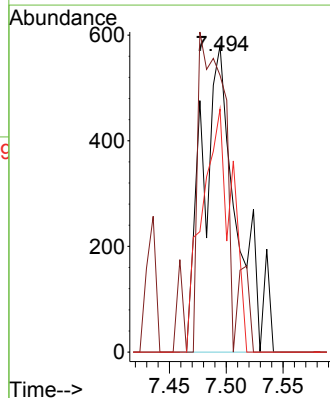
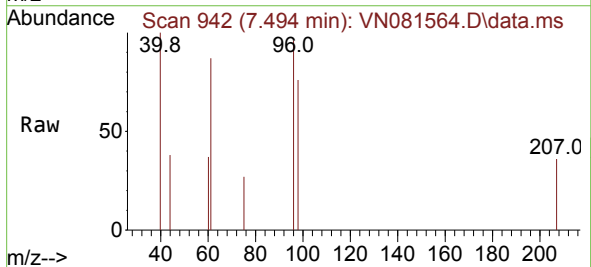
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP100-20240321DL

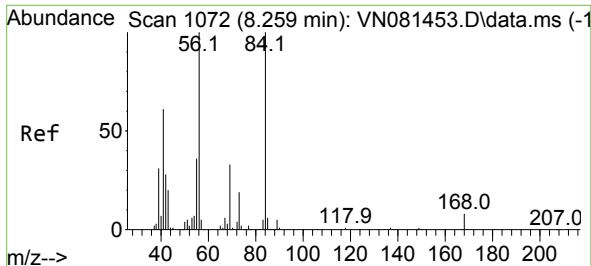
Tgt Ion:	84	Resp:	1341
Ion	Ratio	Lower	Upper
84	100		
49	65.5	108.1	162.1#
51	48.9	32.9	49.3
86	65.7	48.6	73.0



#27
cis-1,2-Dichloroethene
Concen: 0.207 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Tgt Ion:	96	Resp:	1230
Ion	Ratio	Lower	Upper
96	100		
61	91.5	0.0	325.4
98	68.0	0.0	130.4

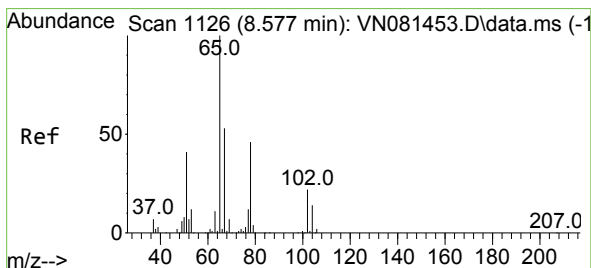
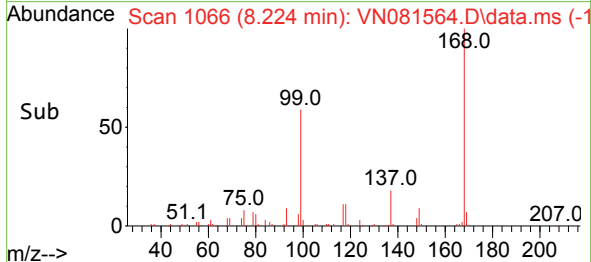
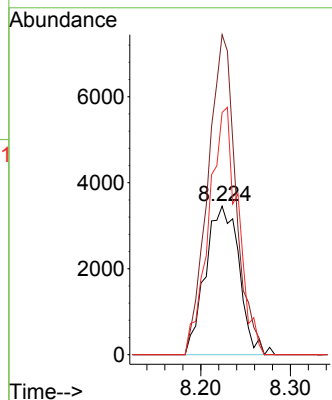
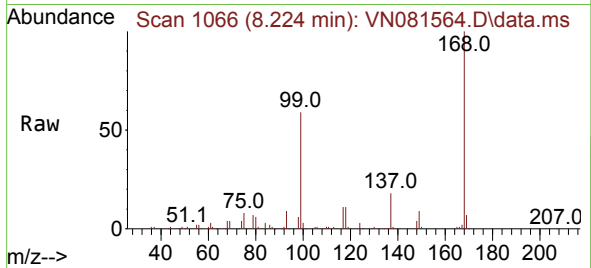




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

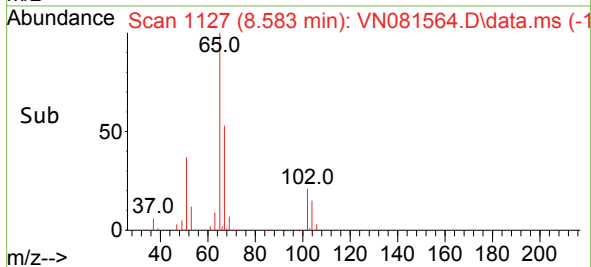
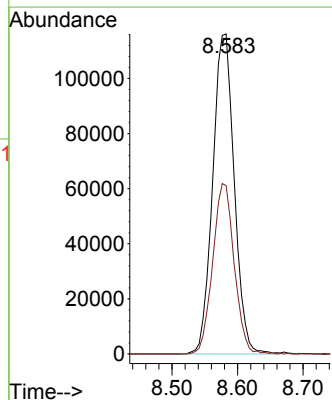
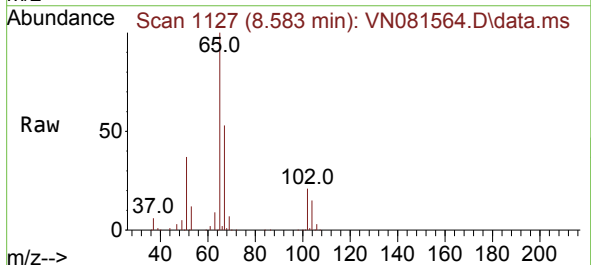
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP100-20240321DL

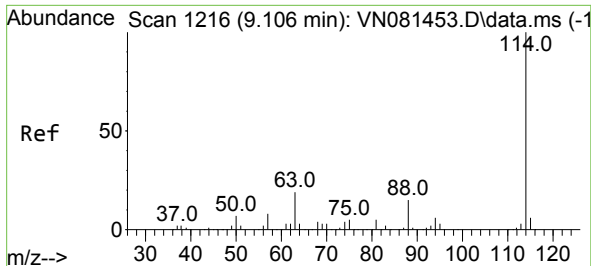
Tgt Ion: 56 Resp: 8998
Ion Ratio Lower Upper
56 100
69 215.4 20.1 30.1#
84 163.0 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 52.054 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Tgt Ion: 65 Resp: 264597
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081564.D

Acq: 25 Mar 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :

RE137-SP100-20240321DL

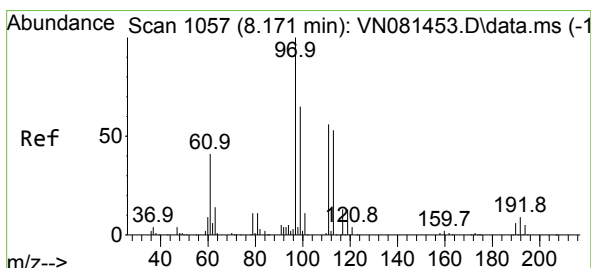
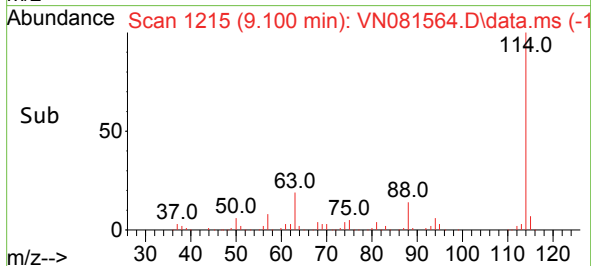
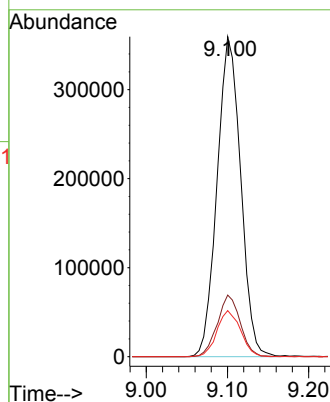
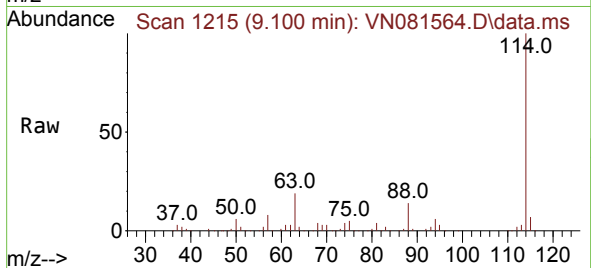
Tgt Ion:114 Resp: 726237

Ion Ratio Lower Upper

114 100

63 19.2 0.0 48.0

88 14.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.975 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081564.D

Acq: 25 Mar 2024 16:05

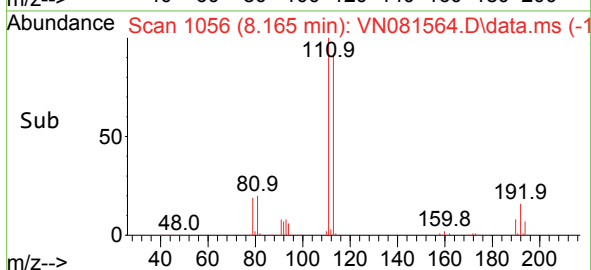
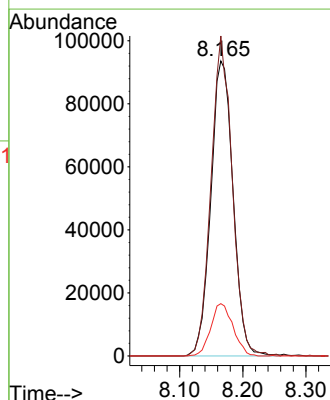
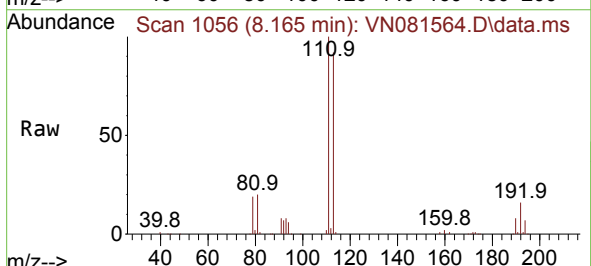
Tgt Ion:113 Resp: 229052

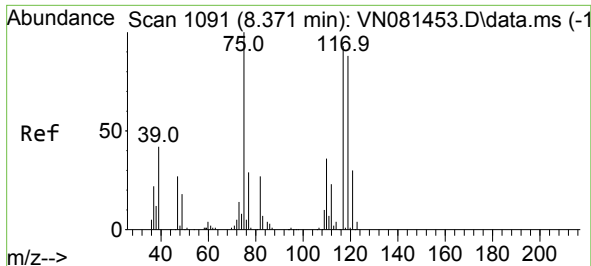
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 17.7 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.283 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081564.D

Acq: 25 Mar 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :

RE137-SP100-20240321DL

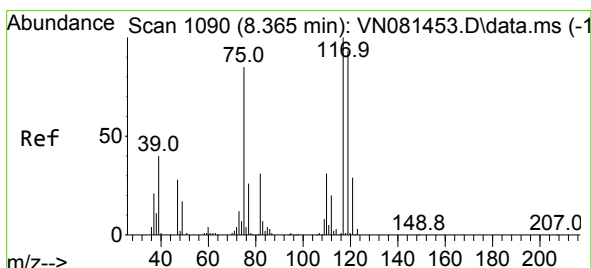
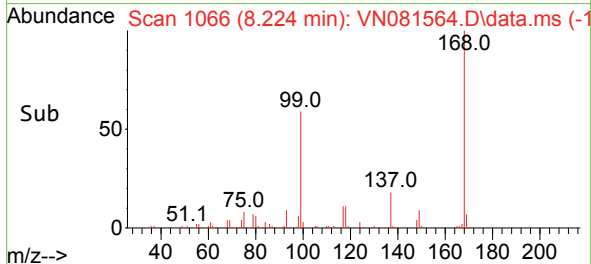
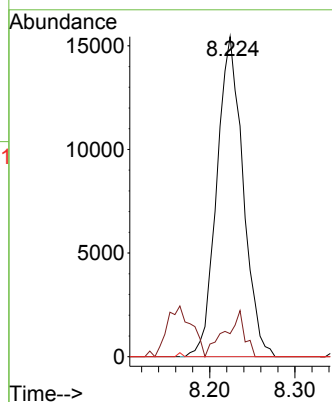
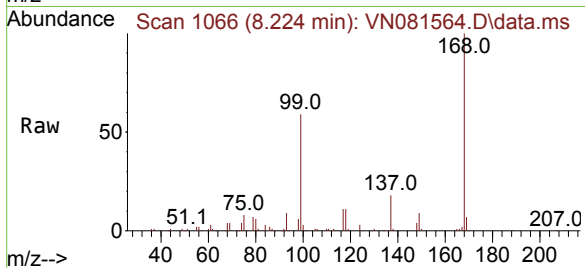
Tgt Ion: 75 Resp: 33037

Ion Ratio Lower Upper

75 100

110 10.7 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.296 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081564.D

Acq: 25 Mar 2024 16:05

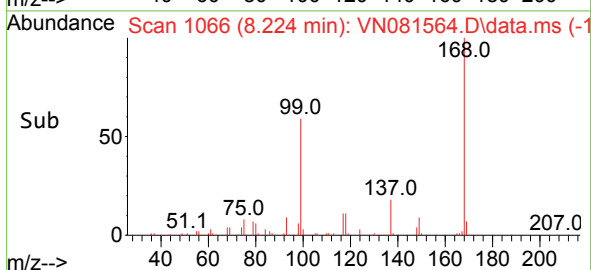
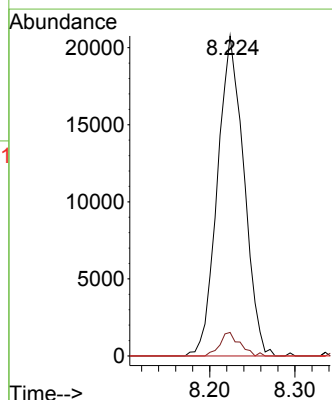
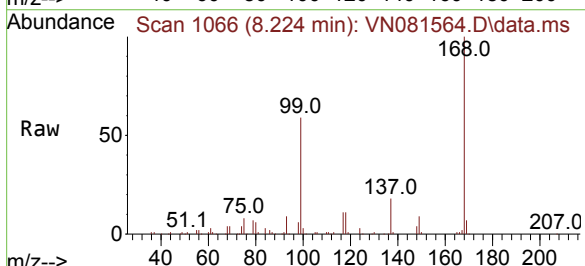
Tgt Ion: 117 Resp: 44745

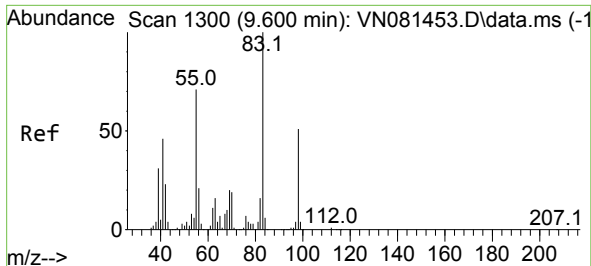
Ion Ratio Lower Upper

117 100

119 7.4 73.4 110.2#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.481 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.241 min

Lab File: VN081564.D

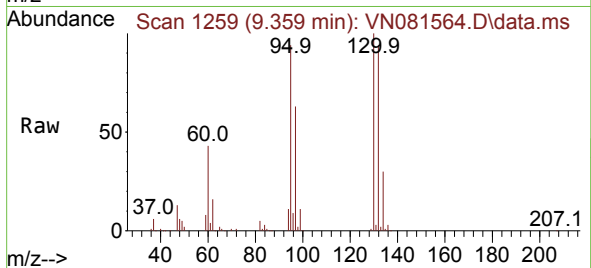
Acq: 25 Mar 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :

RE137-SP100-20240321DL



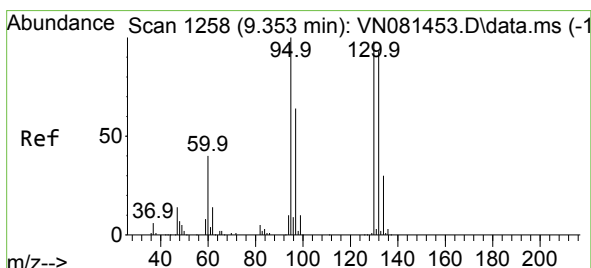
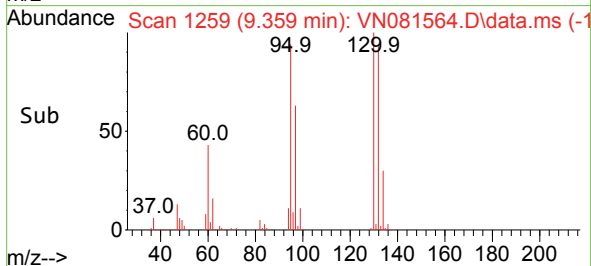
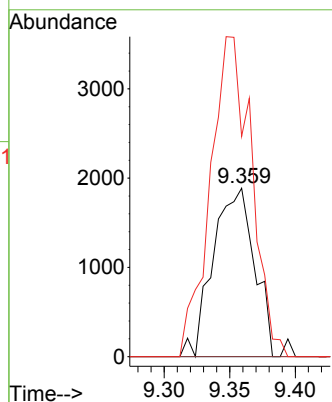
Tgt Ion: 83 Resp: 4144

Ion Ratio Lower Upper

83 100

55 0.0 65.7 98.5#

98 130.8 33.8 50.6#



#44

Trichloroethene

Concen: 47.732 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN081564.D

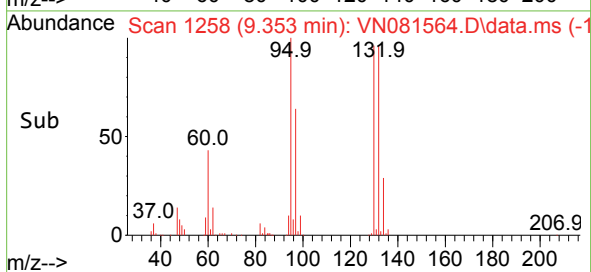
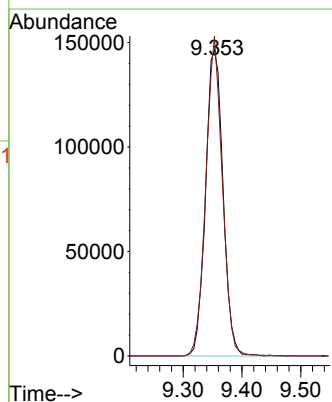
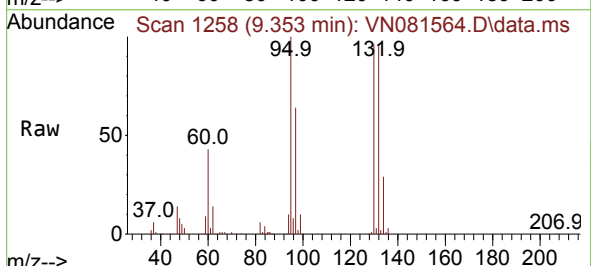
Acq: 25 Mar 2024 16:05

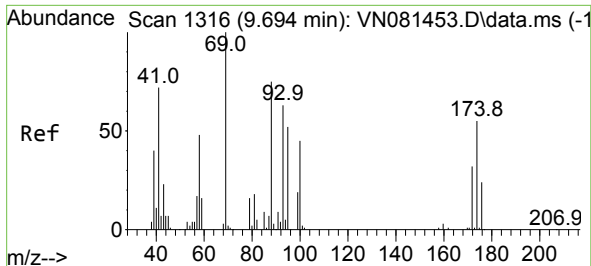
Tgt Ion:130 Resp: 302725

Ion Ratio Lower Upper

130 100

95 104.4 0.0 210.4





#49

1,4-Dioxane

Concen: 0.898 ug/l

RT: 9.683 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN081564.D

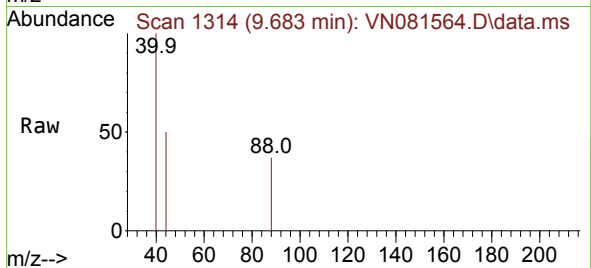
Acq: 25 Mar 2024 16:05

Instrument :

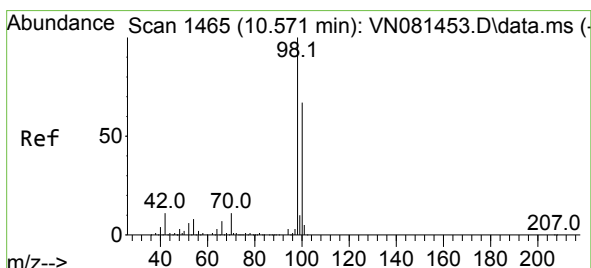
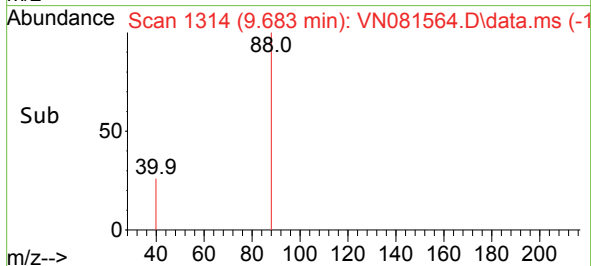
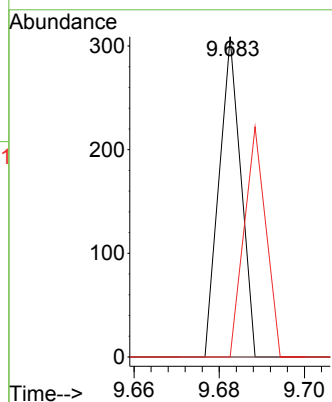
MSVOA_N

ClientSampleId :

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Tgt Ion:	88	Resp:	109
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	71.6	63.9	95.9



#50

Toluene-d8

Concen: 52.773 ug/l

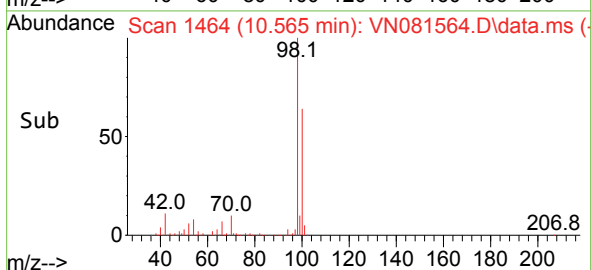
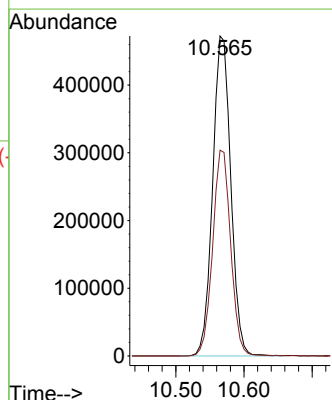
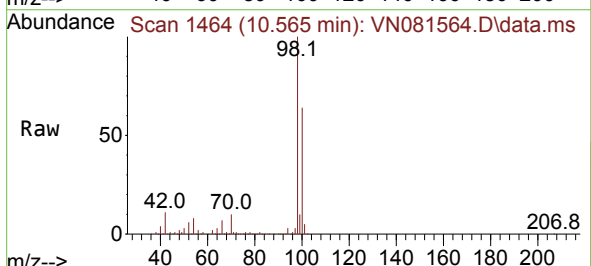
RT: 10.565 min Scan# 1464

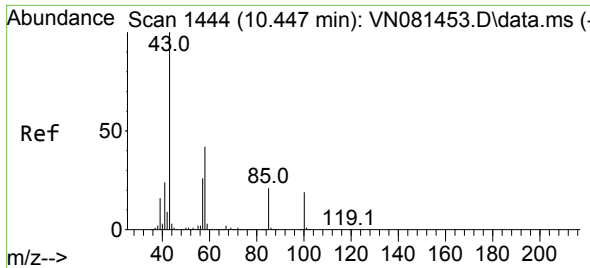
Delta R.T. -0.006 min

Lab File: VN081564.D

Acq: 25 Mar 2024 16:05

Tgt Ion:	98	Resp:	874338
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

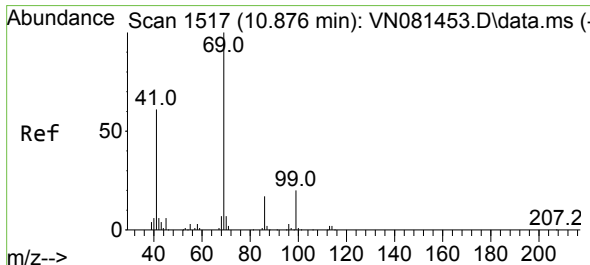
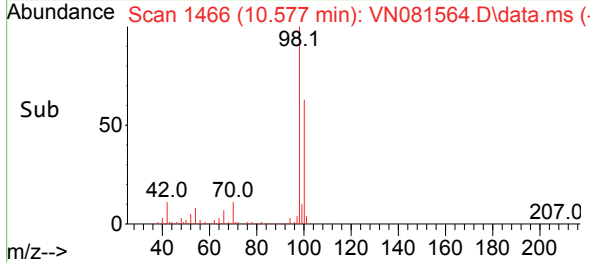
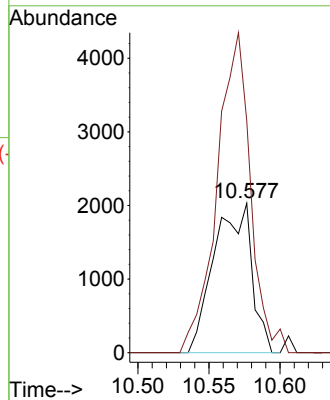
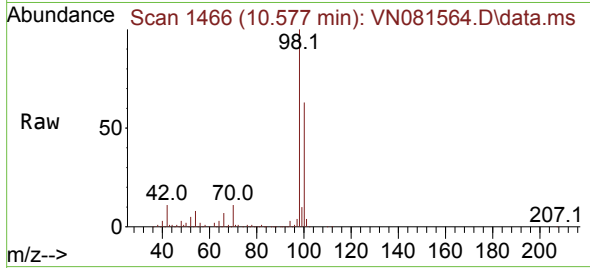




#51
4-Methyl-2-Pentanone
Concen: 0.561 ug/l
RT: 10.577 min Scan# 1444
Delta R.T. 0.130 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

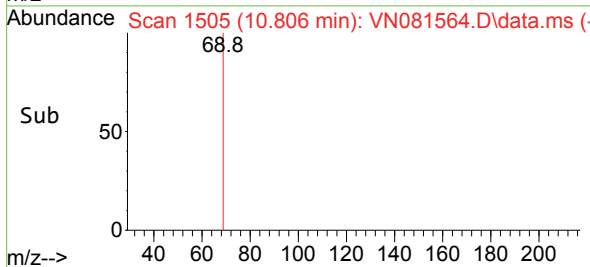
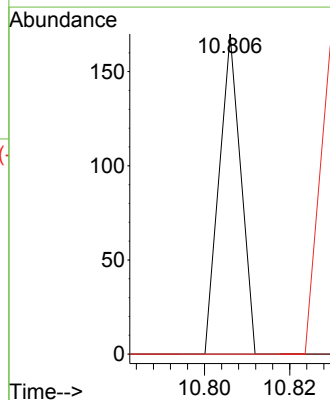
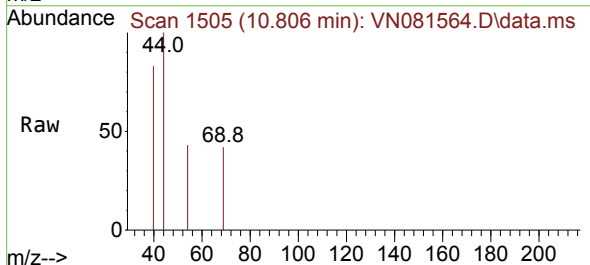
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP100-20240321DL

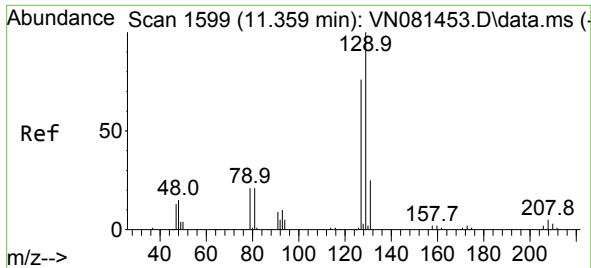
Tgt Ion: 43 Resp: 3747
Ion Ratio Lower Upper
43 100
58 190.0 29.4 44.0#



#56
Ethyl methacrylate
Concen: 0.578 ug/l
RT: 10.806 min Scan# 1505
Delta R.T. -0.070 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#

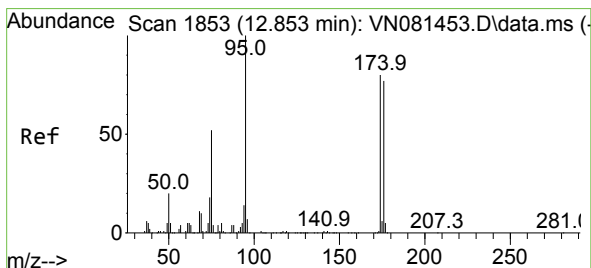
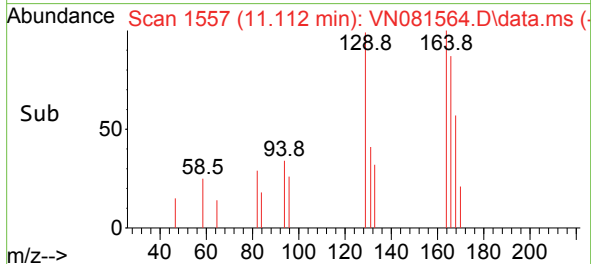
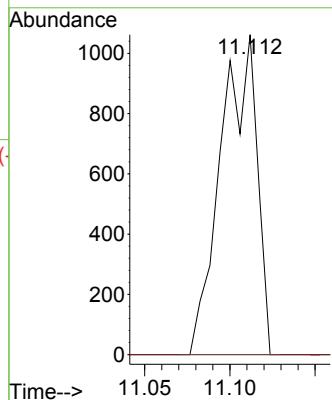
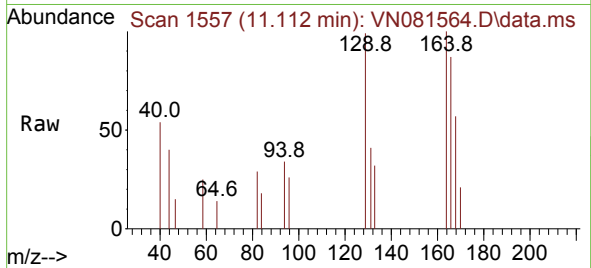




#60
Dibromochloromethane
Concen: 0.246 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

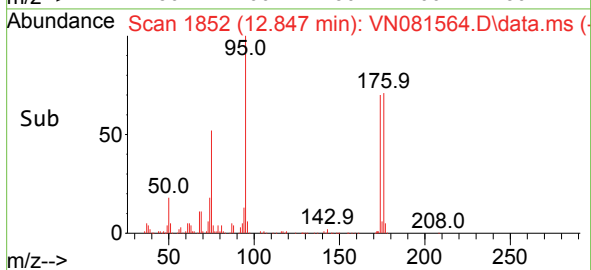
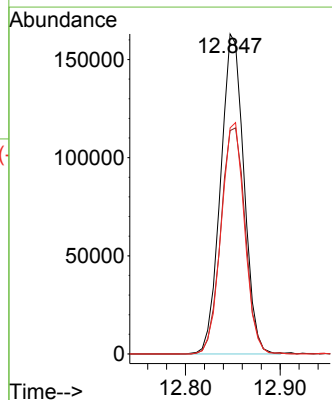
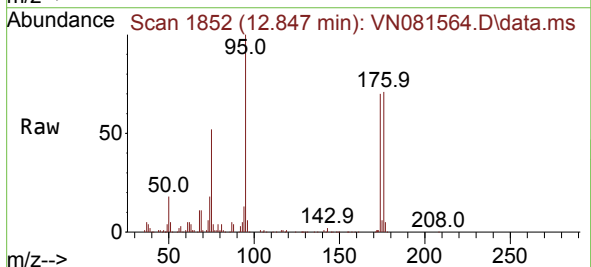
Instrument :
MSVOA_N
ClientSampleId :
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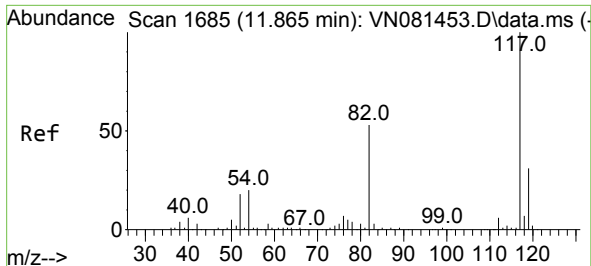
Tgt Ion:129 Resp: 1561
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#



#62
4-Bromofluorobenzene
Concen: 47.763 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Tgt Ion: 95 Resp: 278835
Ion Ratio Lower Upper
95 100
174 74.1 0.0 120.4
176 72.5 0.0 121.0

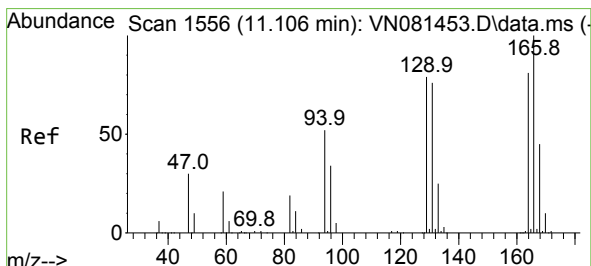
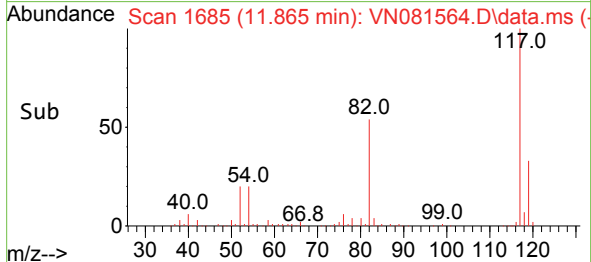
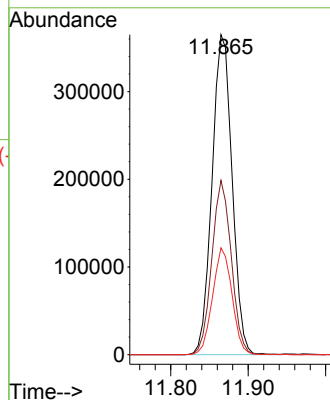
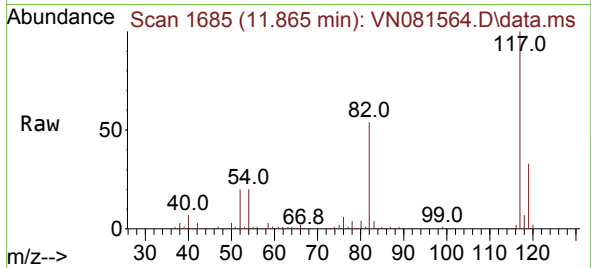




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

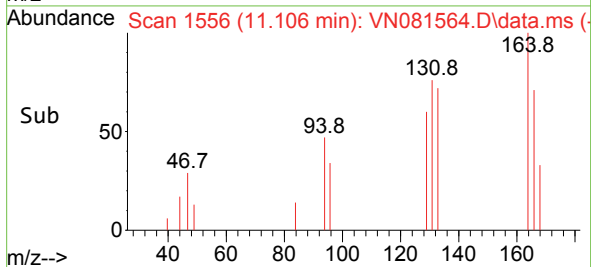
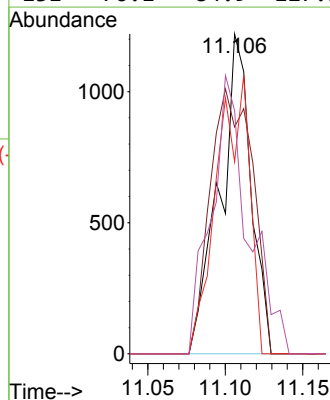
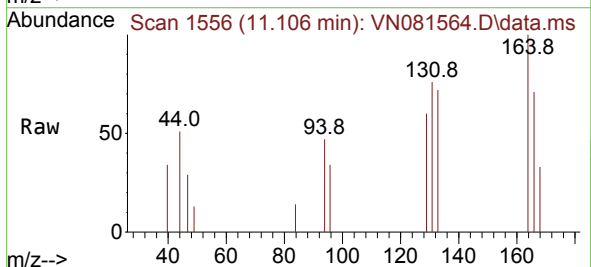
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP100-20240321DL

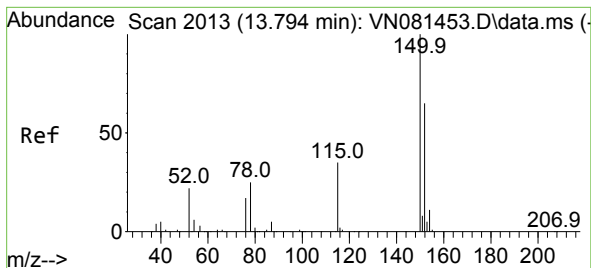
Tgt Ion:117 Resp: 655964
Ion Ratio Lower Upper
117 100
82 54.4 52.7 79.1
119 33.4 25.3 37.9



#64
Tetrachloroethene
Concen: 0.274 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Tgt Ion:164 Resp: 1721
Ion Ratio Lower Upper
164 100
166 70.9 105.8 158.6#
129 60.1 89.6 134.4#
131 76.1 84.9 127.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081564.D

Acq: 25 Mar 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :

RE137-SP100-20240321DL

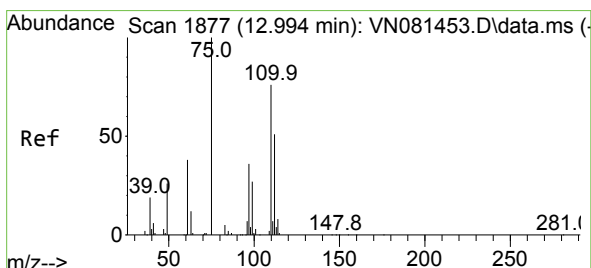
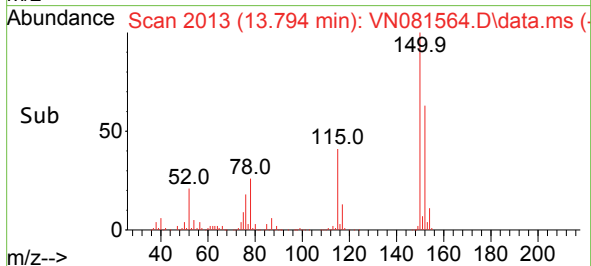
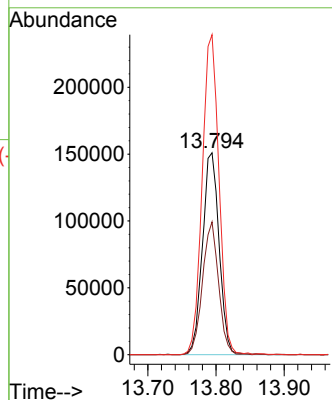
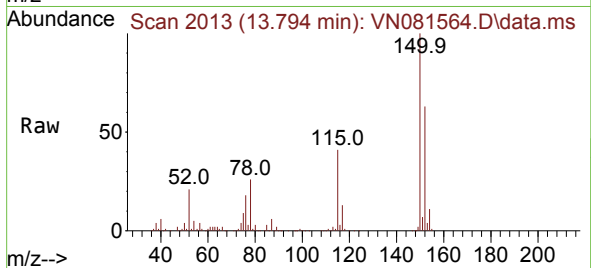
Tgt Ion:152 Resp: 256829

Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 159.1 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 23.587 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081564.D

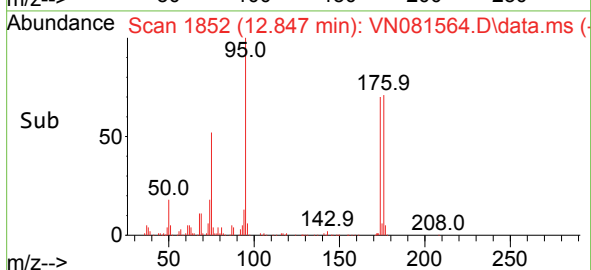
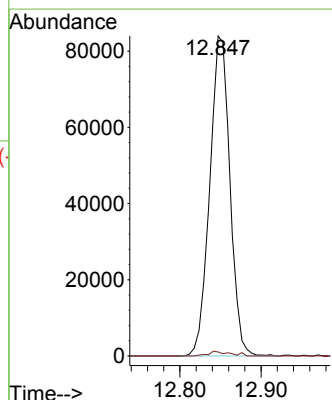
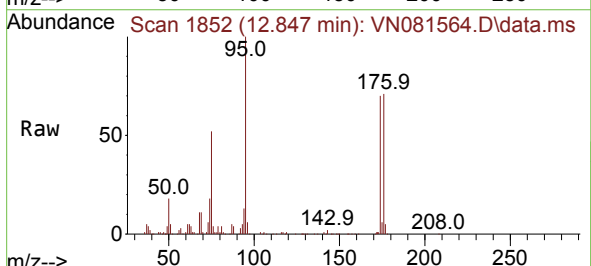
Acq: 25 Mar 2024 16:05

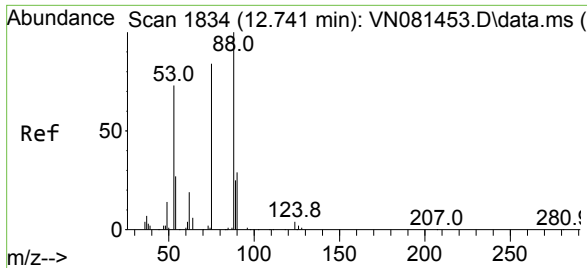
Tgt Ion: 75 Resp: 144905

Ion Ratio Lower Upper

75 100

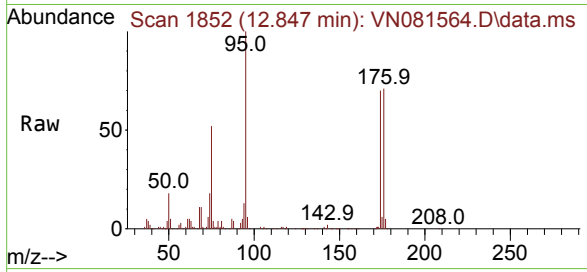
77 1.6 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.739 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081564.D
Acq: 25 Mar 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :
RE137-SP100-20240321DL



Tgt Ion: 75 Resp: 144905
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

