

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081230.D
 Acq On : 27 Feb 2024 19:36
 Operator : JC\MD
 Sample : P1590-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20240222

Quant Time: Feb 28 04:23:52 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)

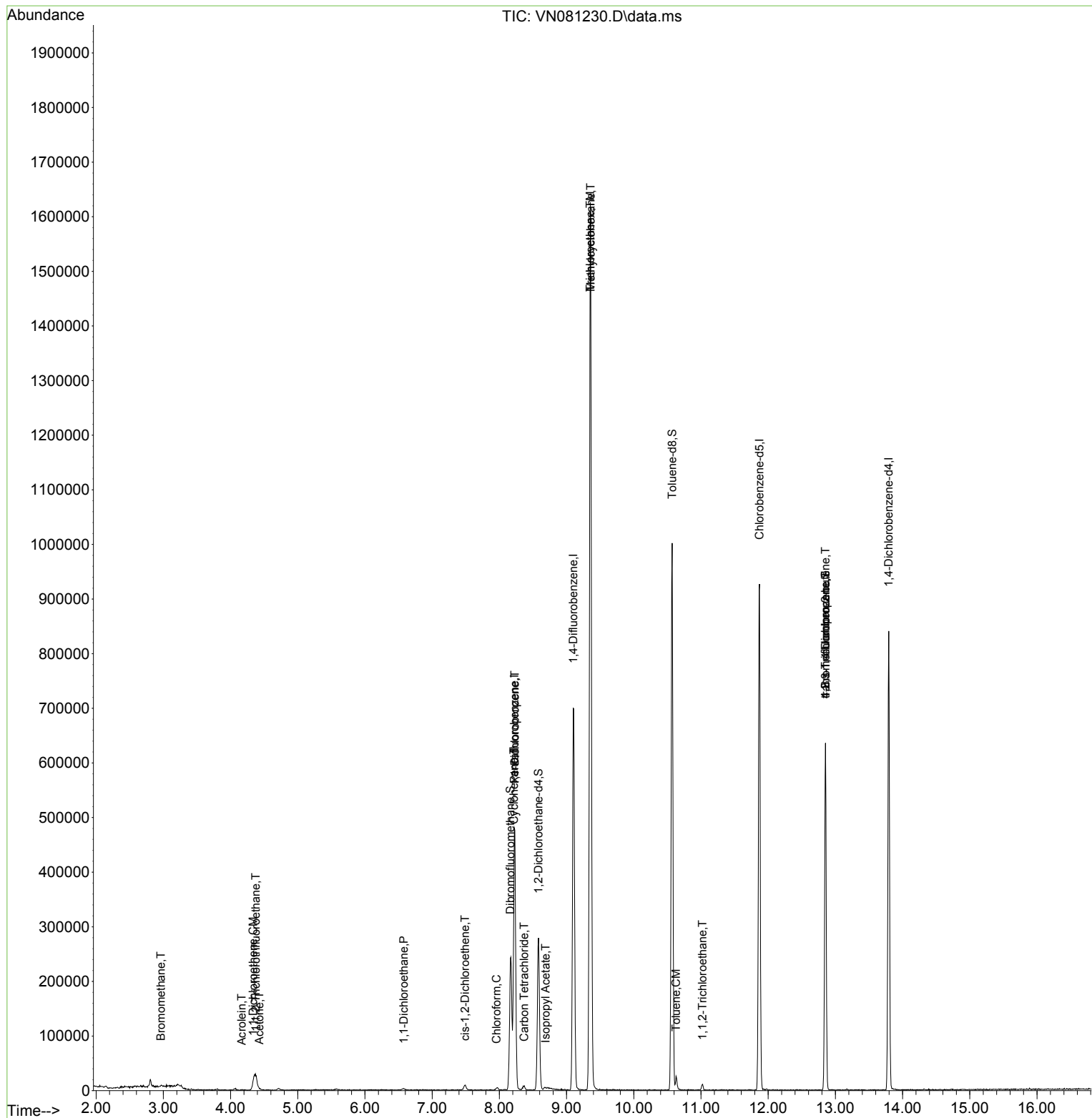
Internal Standards						
1) Pentafluorobenzene	8.224	168	328648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	611150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	531117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218161	54.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.320%			
35) Dibromofluoromethane	8.165	113	177401	51.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.570	98	675444	55.029	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.060%			
62) 4-Bromofluorobenzene	12.853	95	211336	45.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1131	Below Cal	#	85
5) Bromomethane	2.965	94	861	0.257	ug/l #	39
6) Chloroethane	3.136	64	86	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.377	101	16771	4.362	ug/l	94
12) 1,1-Dichloroethene	4.336	96	9230	2.483	ug/l #	78
13) Acrolein	4.165	56	311	0.783	ug/l #	75
16) Acetone	4.430	43	3732	2.355	ug/l	94
20) Methylene Chloride	5.283	84	338	Below Cal	#	30
24) 1,1-Dichloroethane	6.577	63	3659	0.506	ug/l #	85
27) cis-1,2-Dichloroethene	7.488	96	5521	1.146	ug/l	75
30) Chloroform	7.959	83	4270	0.555	ug/l #	70
31) Cyclohexane	8.218	56	8339	1.199	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	30787	5.200	ug/l #	50
38) Carbon Tetrachloride	8.371	117	5345	0.892	ug/l #	82
39) Methylcyclohexane	9.359	83	8886	1.287	ug/l #	1
43) Isopropyl Acetate	8.688	43	2602	0.278	ug/l #	57
44) Trichloroethene	9.353	130	556638	121.952	ug/l	99
49) 1,4-Dioxane	9.706	88	348	Below Cal	#	85
52) Toluene	10.629	92	8638	0.796	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	3980	0.954	ug/l #	82
76) 1,2,3-Trichloropropane	12.853	75	118508	24.759	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118508	63.727	ug/l #	14

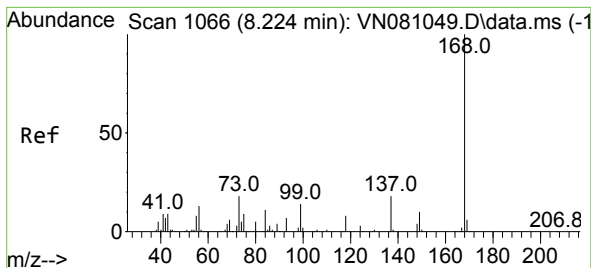
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN081230.D

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Instrument :

MSVOA_N

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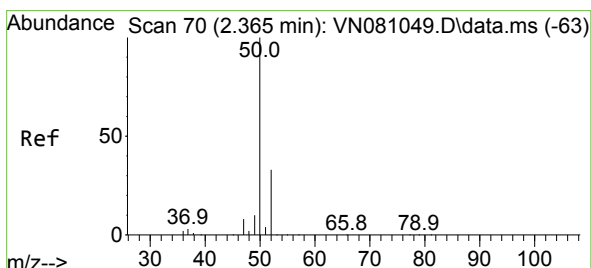
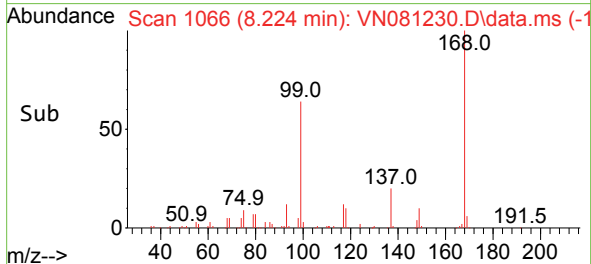
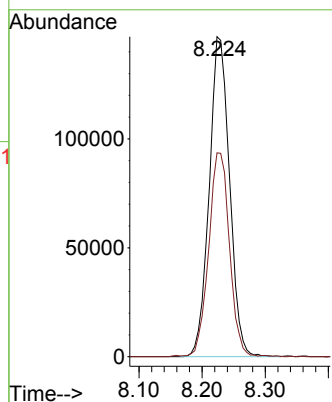
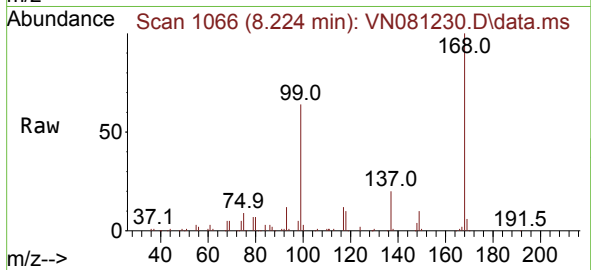
RE139D1-20240222

Tgt Ion:168 Resp: 328648

Ion Ratio Lower Upper

168 100

99 63.5 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081230.D

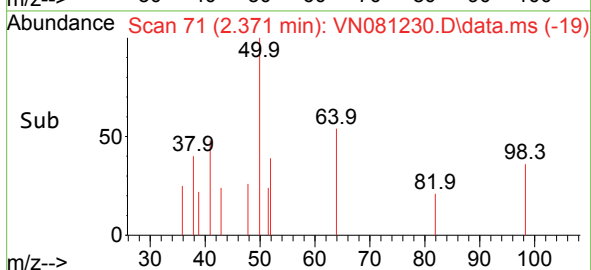
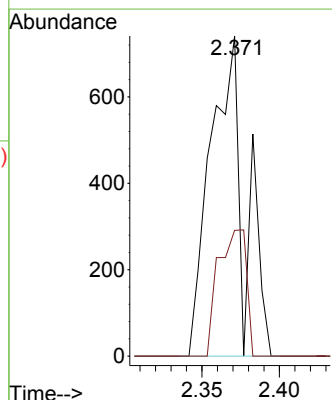
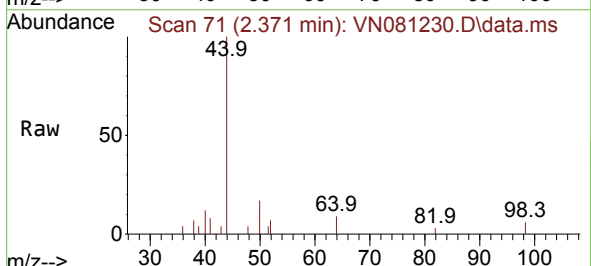
Acq: 27 Feb 2024 19:36

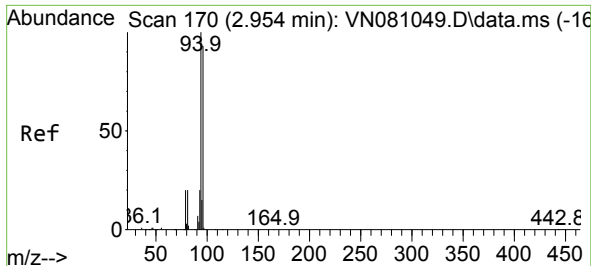
Tgt Ion: 50 Resp: 1131

Ion Ratio Lower Upper

50 100

52 39.3 25.0 37.4#

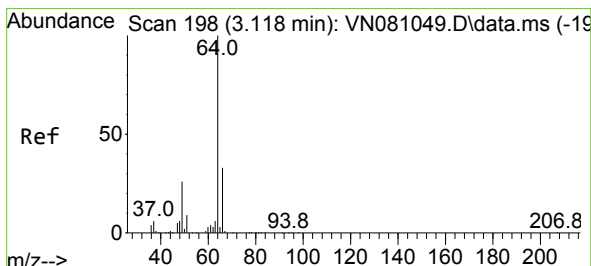
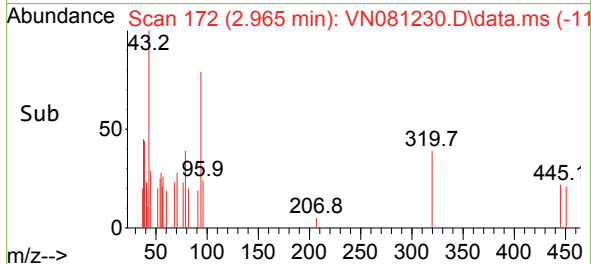
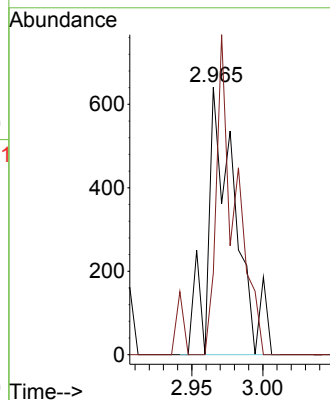
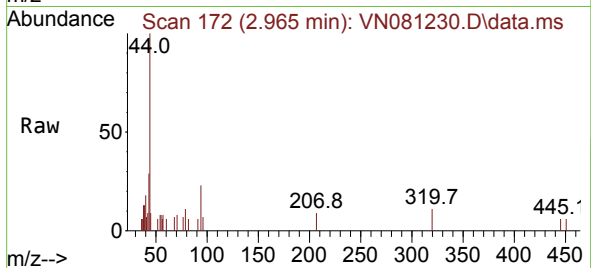




#5
Bromomethane
Concen: 0.257 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

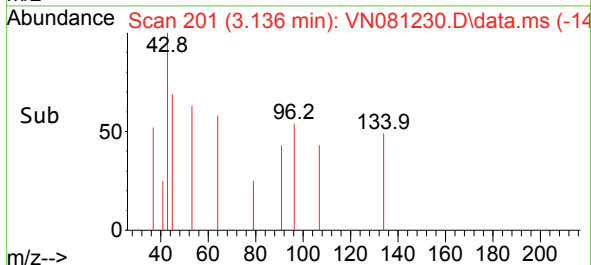
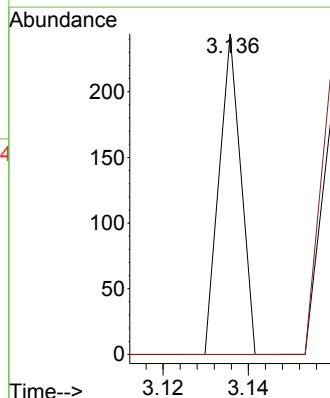
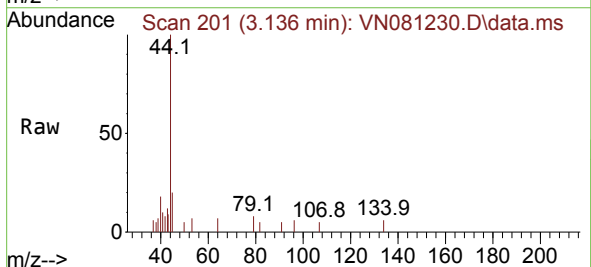
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

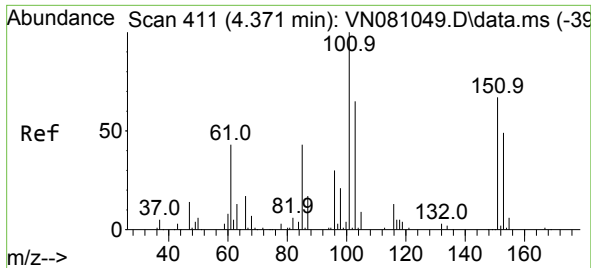
Tgt Ion: 94 Resp: 861
Ion Ratio Lower Upper
94 100
96 30.6 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

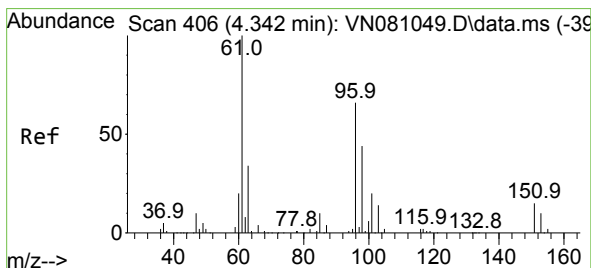
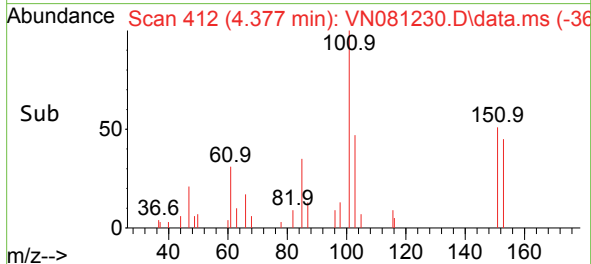
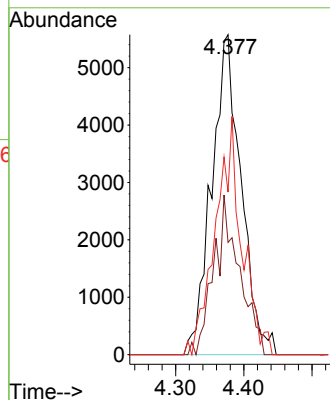
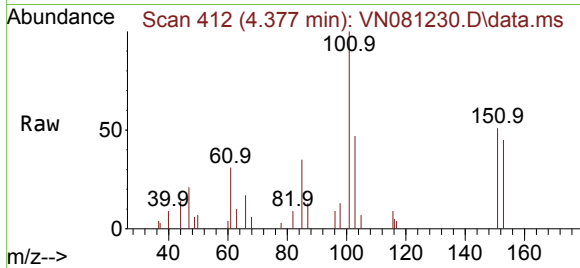




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.362 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

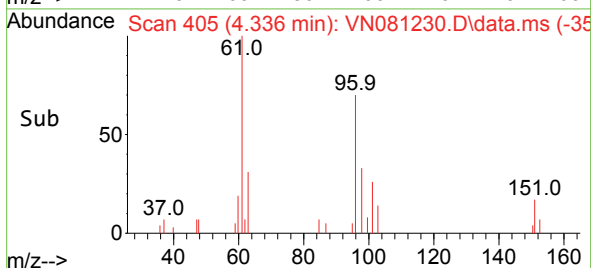
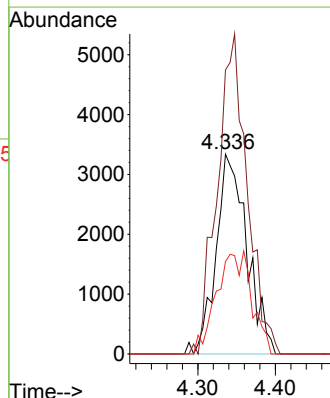
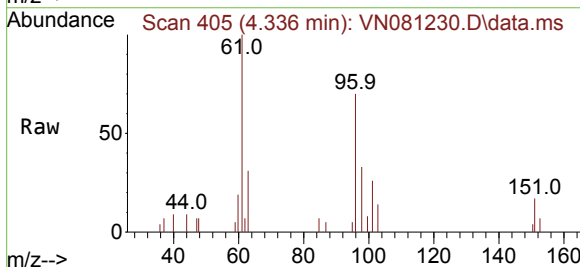
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

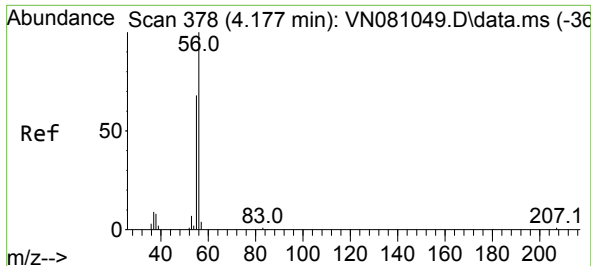
Tgt Ion:101 Resp: 16771
Ion Ratio Lower Upper
101 100
85 43.3 38.1 57.1
151 66.2 49.1 73.7



#12
1,1-Dichloroethene
Concen: 2.483 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion: 96 Resp: 9230
Ion Ratio Lower Upper
96 100
61 142.1 138.2 207.4
98 46.3 49.2 73.8#

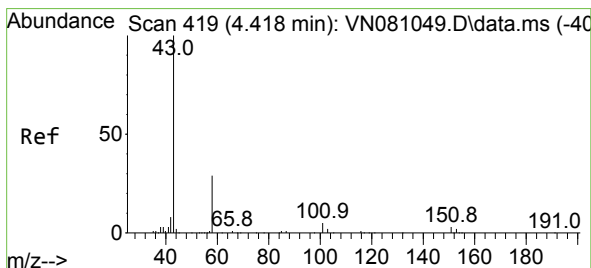
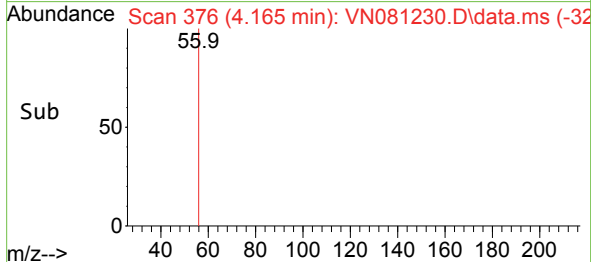
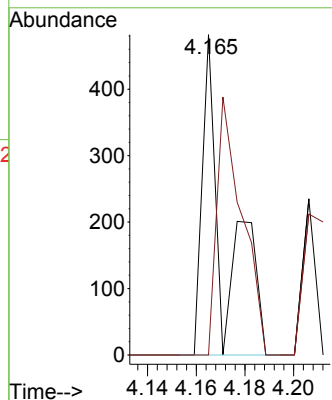
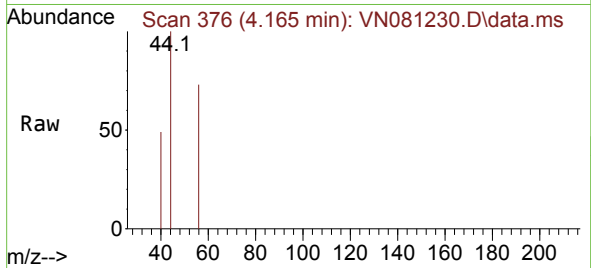




#13
Acrolein
Concen: 0.783 ug/l
RT: 4.165 min Scan# 311
Delta R.T. -0.012 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

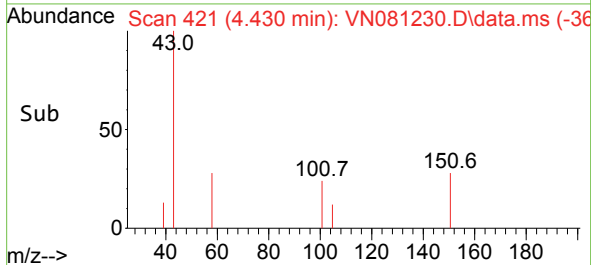
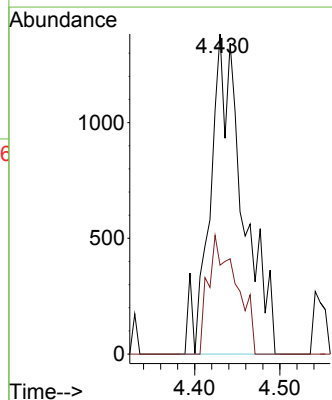
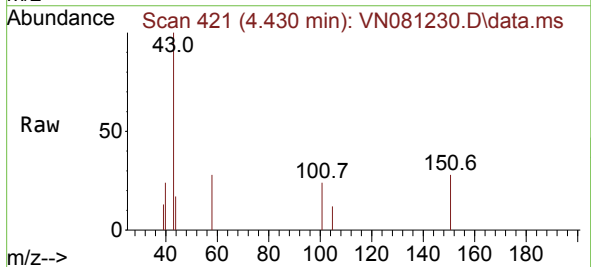
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

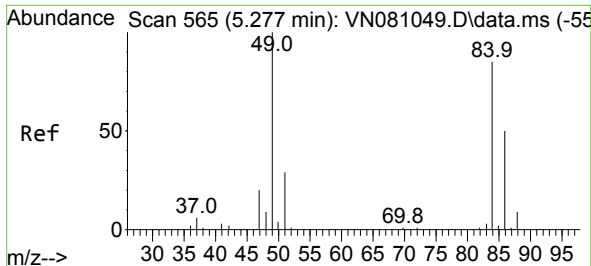
Tgt Ion: 56 Resp: 311
Ion Ratio Lower Upper
56 100
55 89.4 55.3 82.9#



#16
Acetone
Concen: 2.355 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

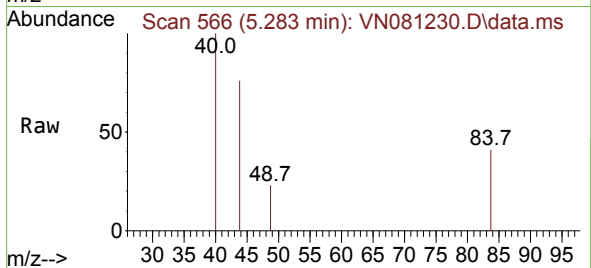
Tgt Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
58 27.8 24.8 37.2



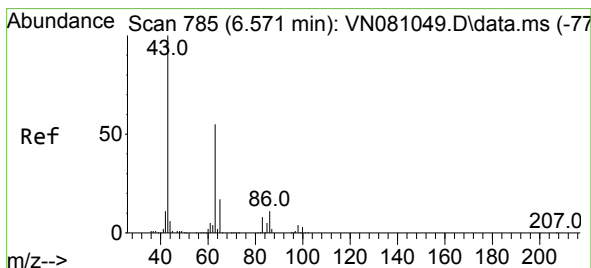
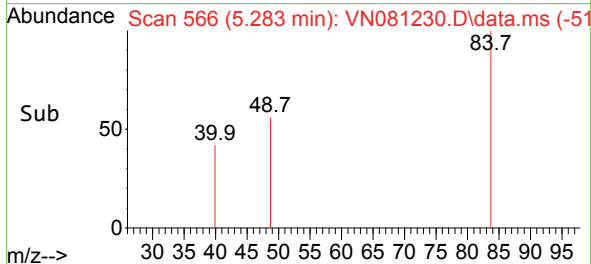
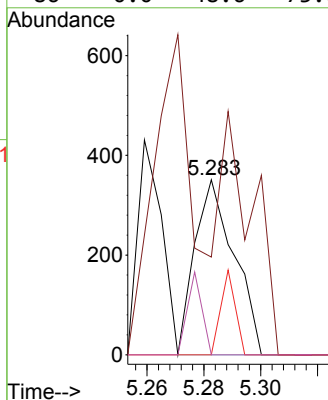


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

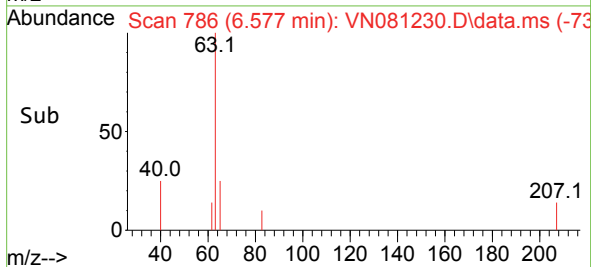
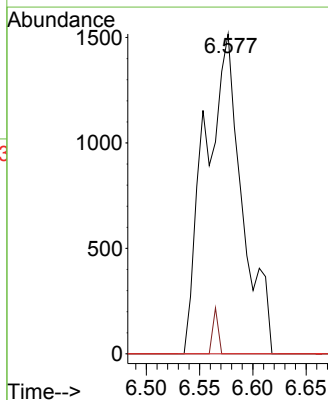
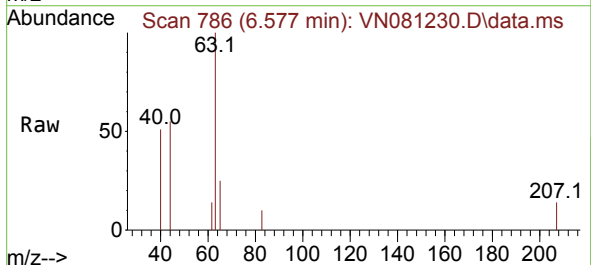


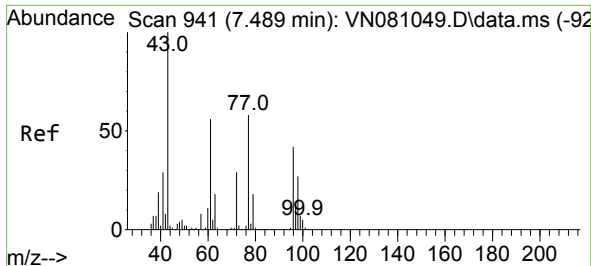
Tgt Ion:	84	Resp:	338
Ion	Ratio	Lower	Upper
84	100		
49	55.8	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#



#24
1,1-Dichloroethane
Concen: 0.506 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion:	63	Resp:	3659
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.6#
100	0.0	1.9	5.7#

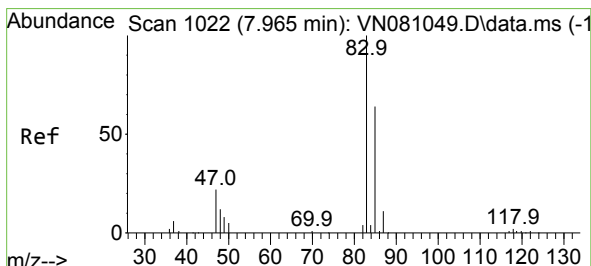
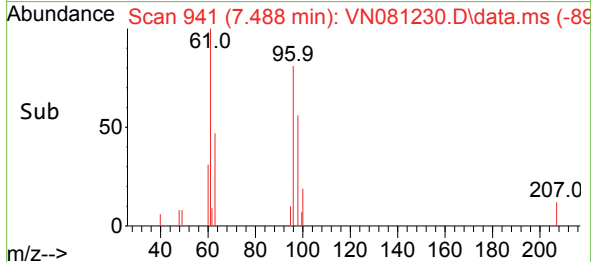
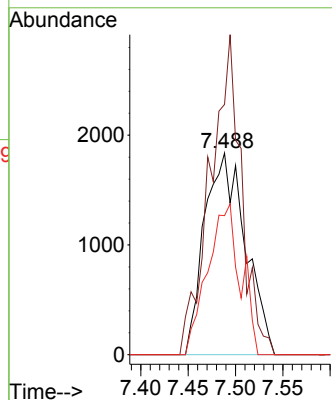
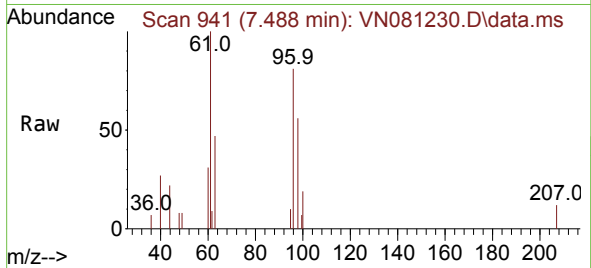




#27
 cis-1,2-Dichloroethene
 Concen: 1.146 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VN081230.D
 Acq: 27 Feb 2024 19:36

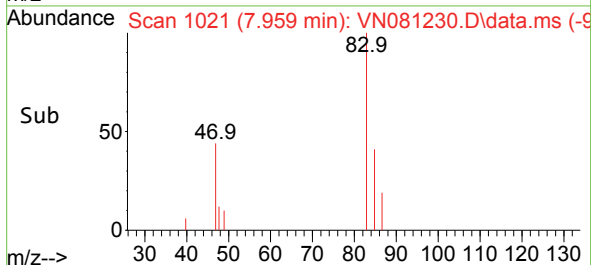
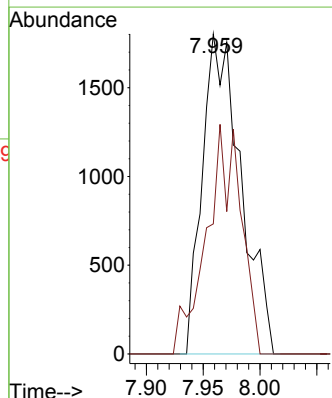
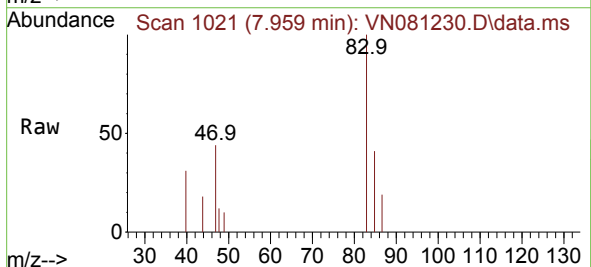
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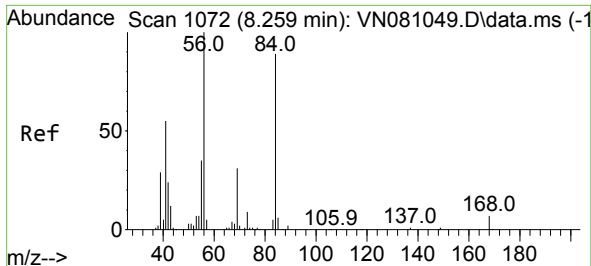
Tgt Ion: 96 Resp: 5521
 Ion Ratio Lower Upper
 96 100
 61 120.5 0.0 325.4
 98 60.0 0.0 130.4



#30
 Chloroform
 Concen: 0.555 ug/l
 RT: 7.959 min Scan# 1021
 Delta R.T. -0.006 min
 Lab File: VN081230.D
 Acq: 27 Feb 2024 19:36

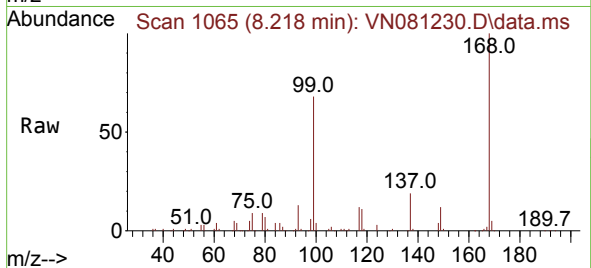
Tgt Ion: 83 Resp: 4270
 Ion Ratio Lower Upper
 83 100
 85 40.7 51.0 76.6#



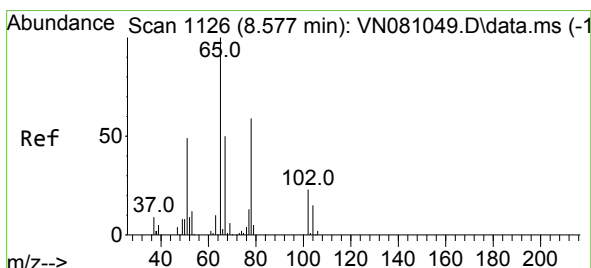
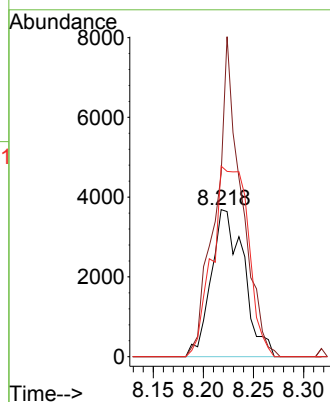
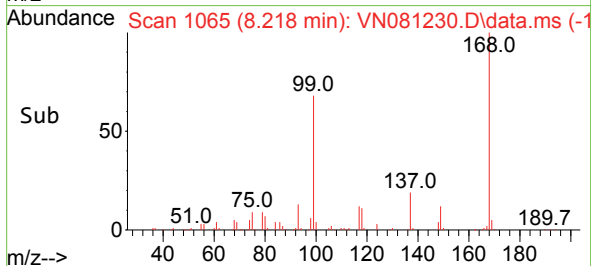


#31
Cyclohexane
Concen: 1.199 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

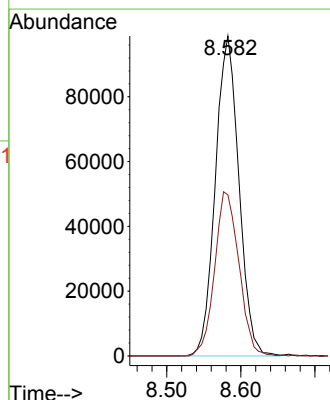
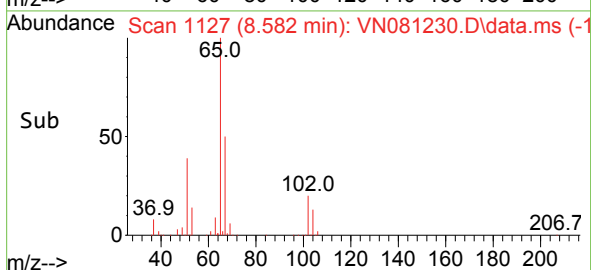
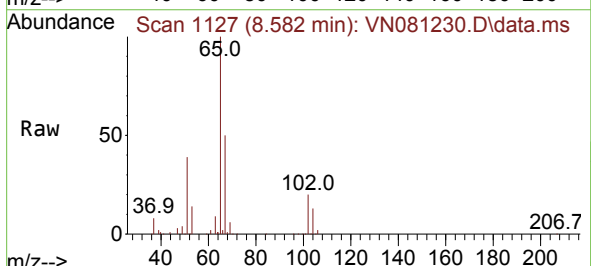


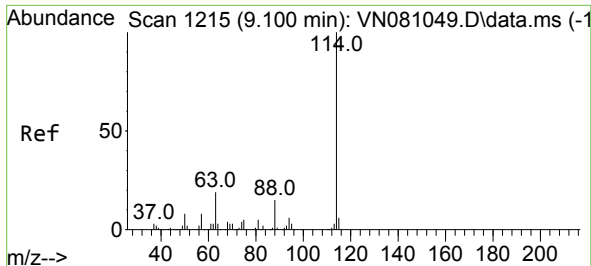
Tgt Ion: 56 Resp: 8339
Ion Ratio Lower Upper
56 100
69 124.2 20.1 30.1#
84 129.6 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.157 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion: 65 Resp: 218161
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20240222

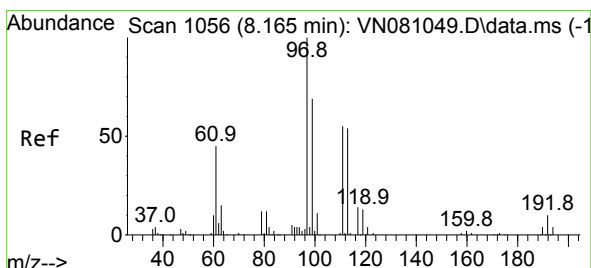
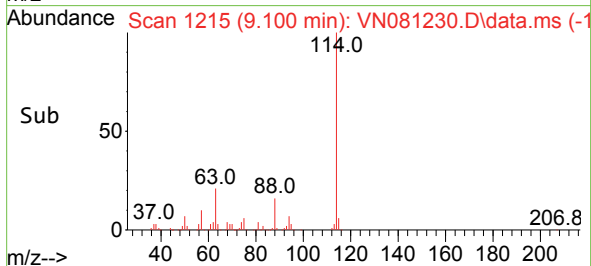
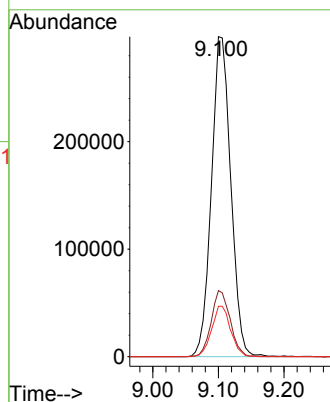
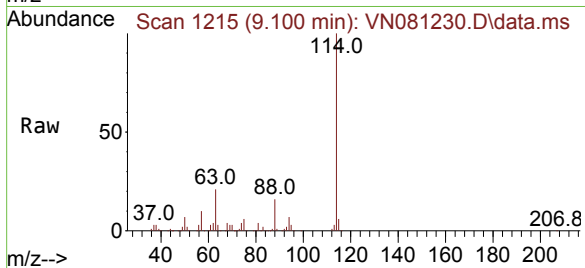
Tgt Ion:114 Resp: 611150

Ion Ratio Lower Upper

114 100

63 20.7 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.333 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

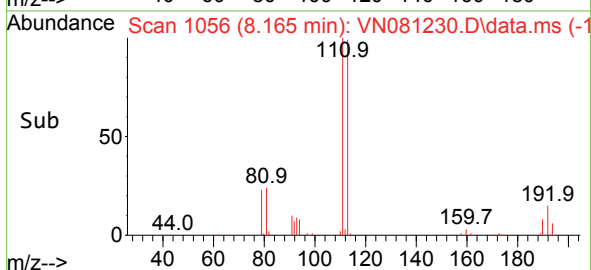
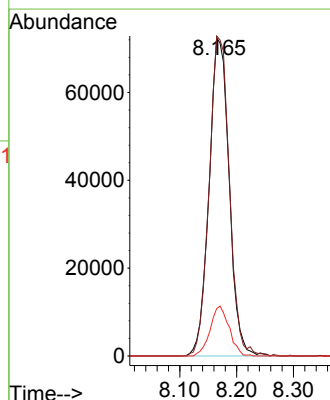
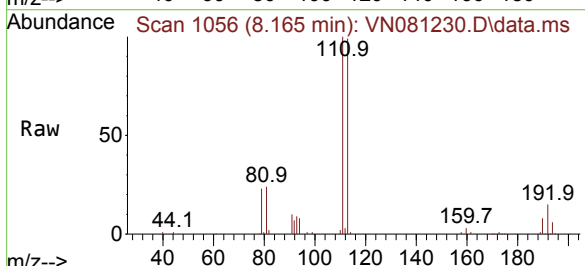
Tgt Ion:113 Resp: 177401

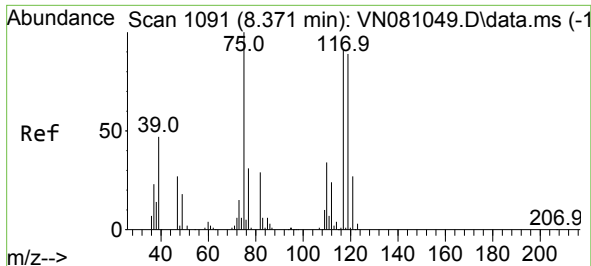
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

192 14.9 12.5 18.7

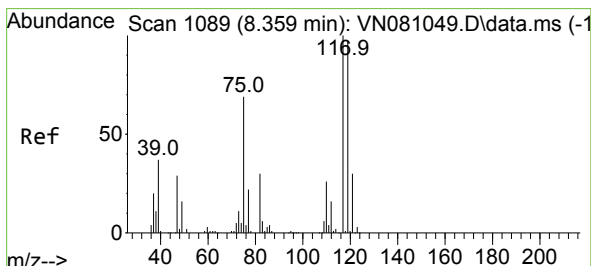
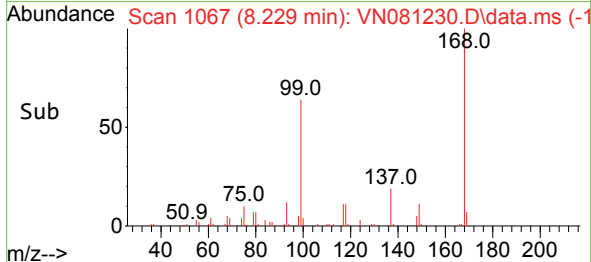
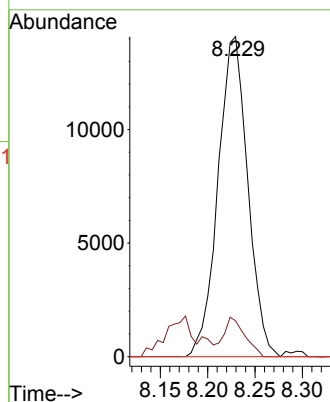
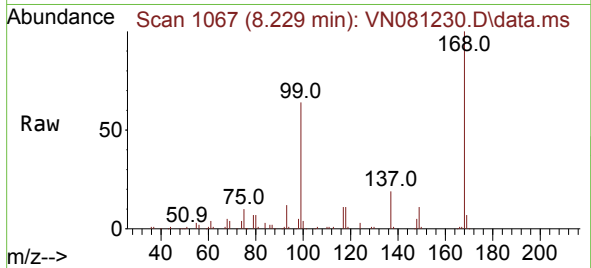




#36
1,1-Dichloropropene
Concen: 5.200 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

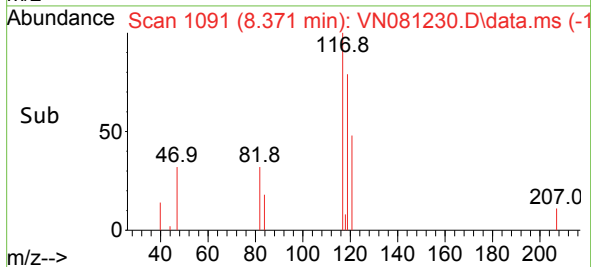
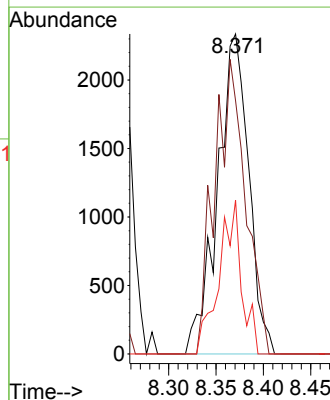
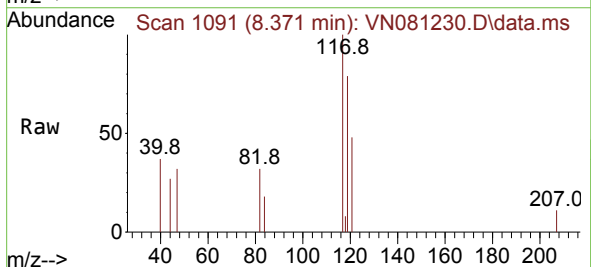
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

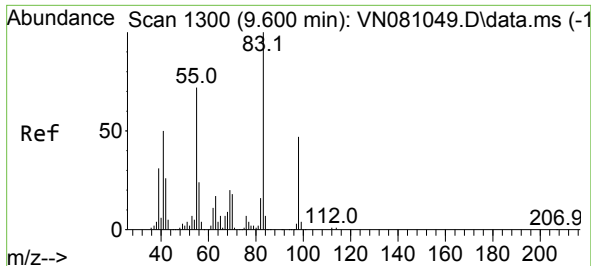
Tgt Ion: 75 Resp: 30787
Ion Ratio Lower Upper
75 100
110 8.8 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 0.892 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.012 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion: 117 Resp: 5345
Ion Ratio Lower Upper
117 100
119 79.2 73.4 110.2
121 48.1 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.287 ug/l

RT: 9.359 min Scan# 1125

Delta R.T. -0.241 min

Lab File: VN081230.D

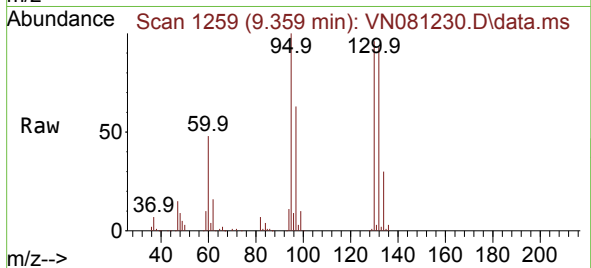
Acq: 27 Feb 2024 19:36

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20240222



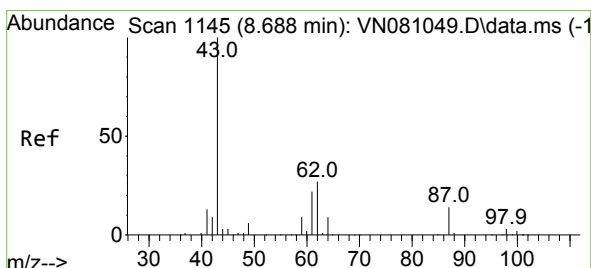
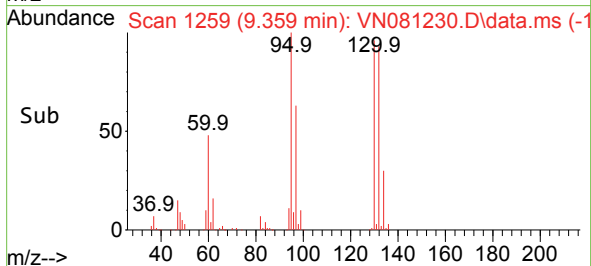
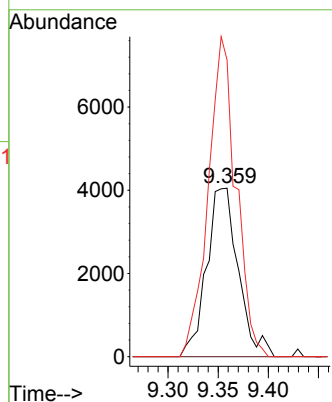
Tgt Ion: 83 Resp: 8886

Ion Ratio Lower Upper

83 100

55 0.0 65.7 98.5#

98 176.1 33.8 50.6#



#43

Isopropyl Acetate

Concen: 0.278 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

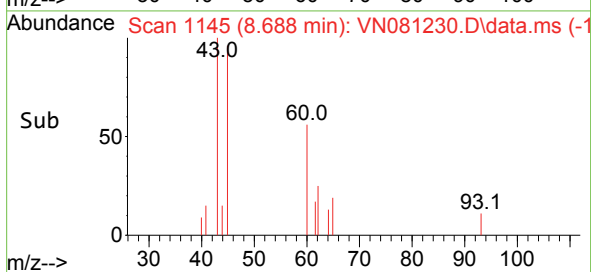
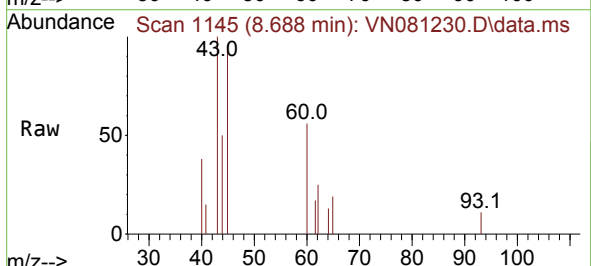
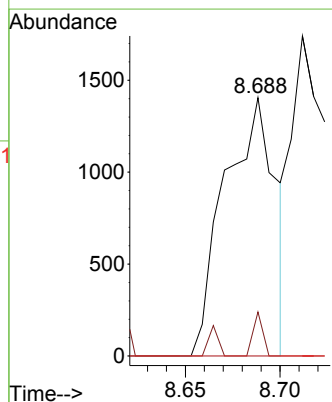
Tgt Ion: 43 Resp: 2602

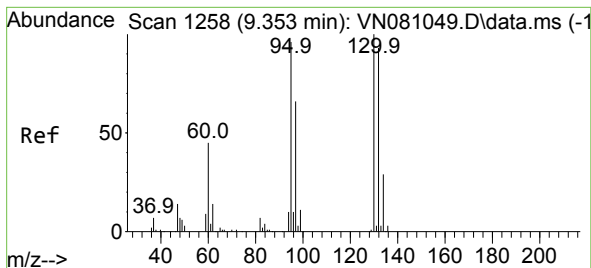
Ion Ratio Lower Upper

43 100

61 0.0 19.9 29.9#

87 0.0 9.0 13.6#





#44

Trichloroethene

Concen: 121.952 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

Instrument :

MSVOA_N

ClientSampleId :

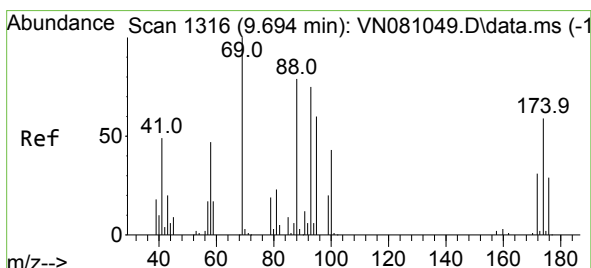
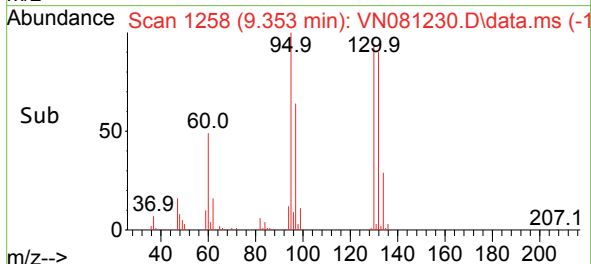
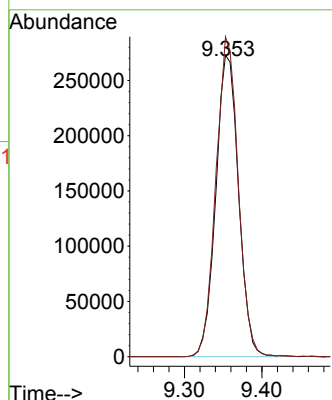
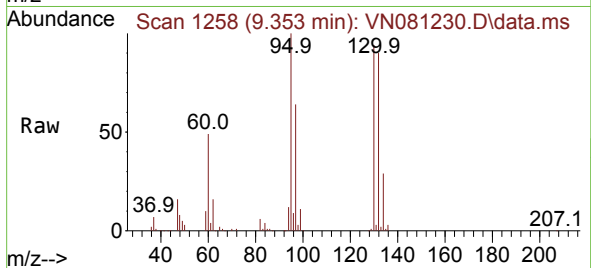
RE139D1-20240222

Tgt Ion:130 Resp: 556638

Ion Ratio Lower Upper

130 100

95 106.1 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: VN081230.D

Acq: 27 Feb 2024 19:36

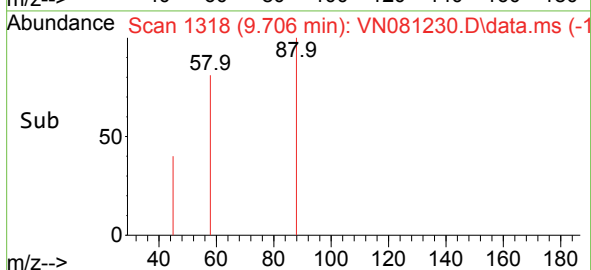
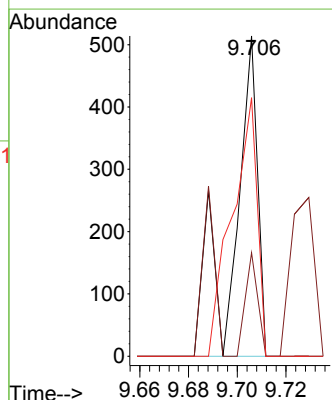
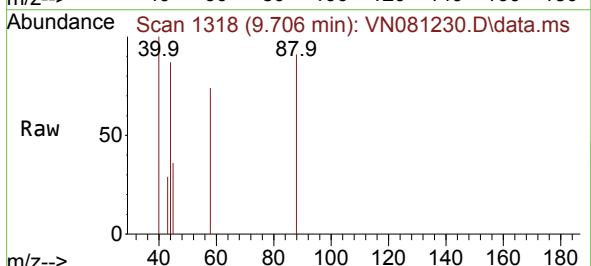
Tgt Ion: 88 Resp: 348

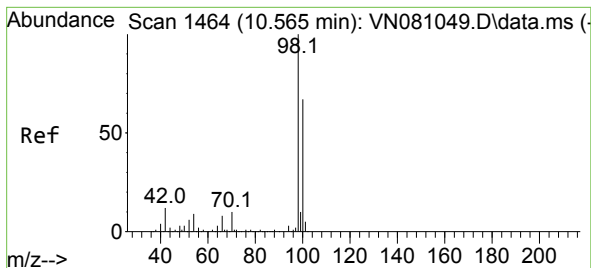
Ion Ratio Lower Upper

88 100

43 17.0 30.1 45.1#

58 85.6 63.9 95.9





#50

Toluene-d8

Concen: 55.029 ug/l

RT: 10.570 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

Instrument :

MSVOA_N

ClientSampleId :

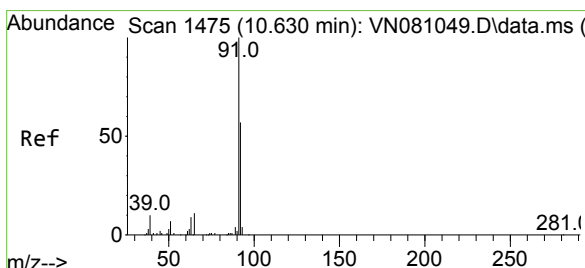
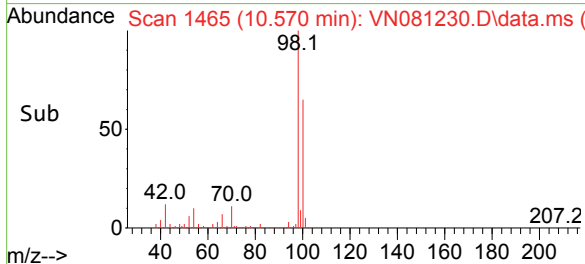
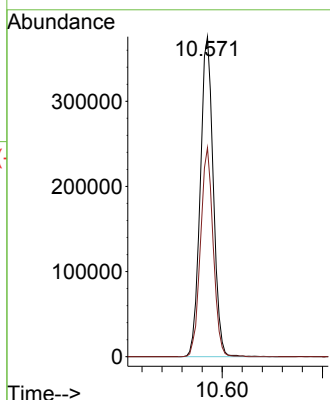
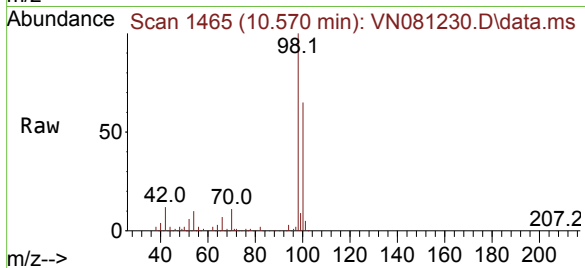
RE139D1-20240222

Tgt Ion: 98 Resp: 675444

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#52

Toluene

Concen: 0.796 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081230.D

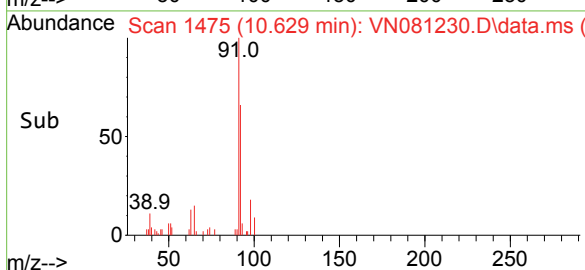
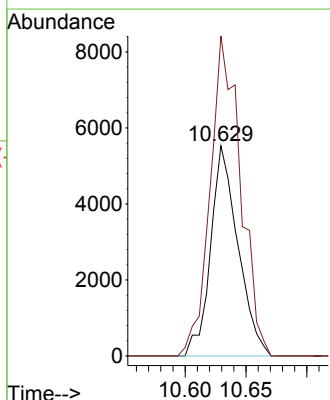
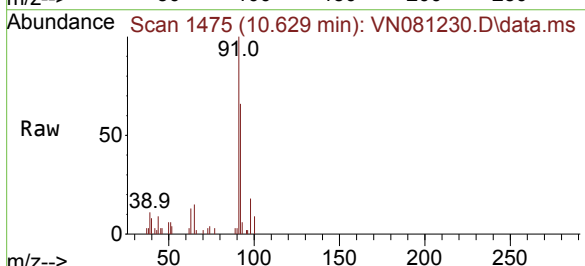
Acq: 27 Feb 2024 19:36

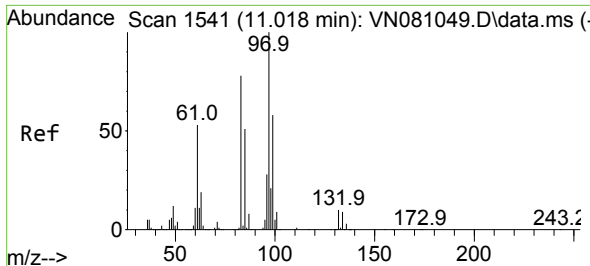
Tgt Ion: 92 Resp: 8638

Ion Ratio Lower Upper

92 100

91 169.5 139.4 209.0

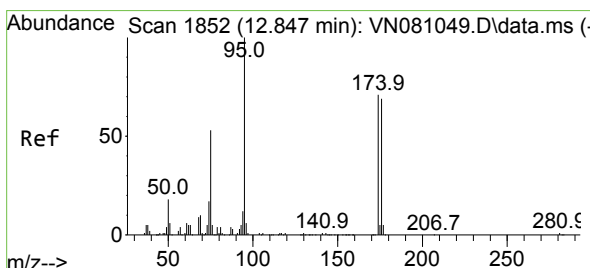
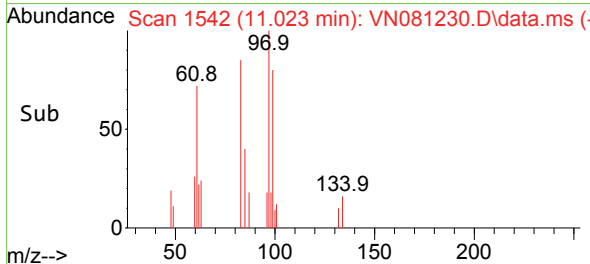
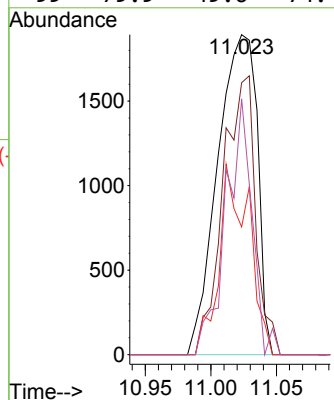
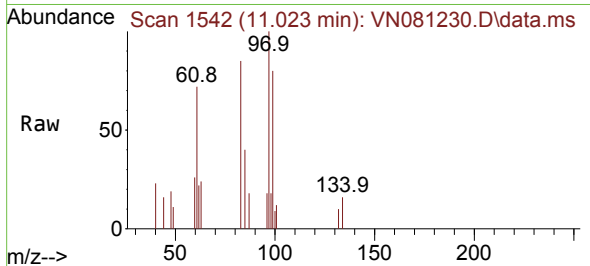




#55
1,1,2-Trichloroethane
Concen: 0.954 ug/l
RT: 11.023 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

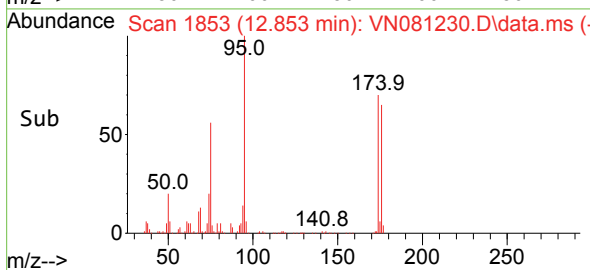
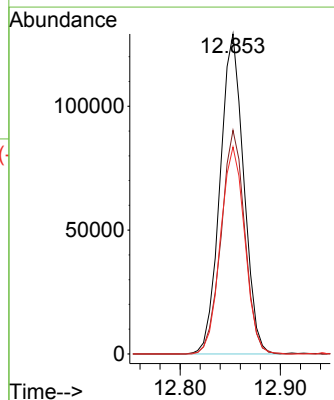
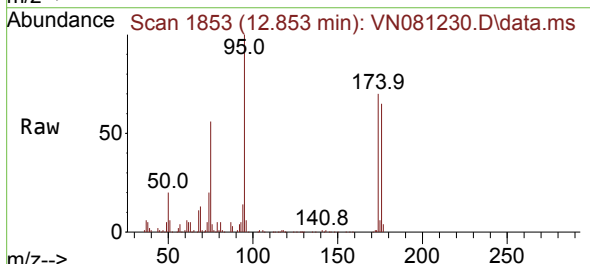
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

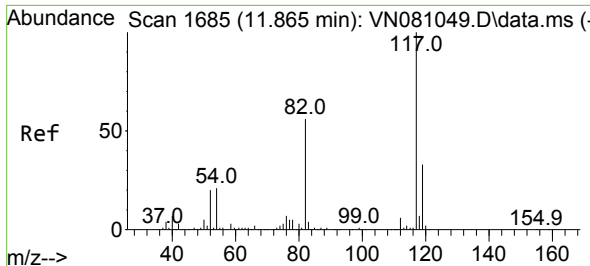
Tgt Ion: 97 Resp: 3980
Ion Ratio Lower Upper
97 100
83 85.0 72.9 109.3
85 39.9 50.2 75.2#
99 79.9 49.6 74.4#



#62
4-Bromofluorobenzene
Concen: 45.822 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion: 95 Resp: 211336
Ion Ratio Lower Upper
95 100
174 69.8 0.0 120.4
176 66.4 0.0 121.0

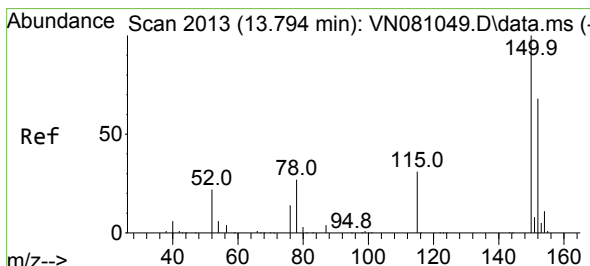
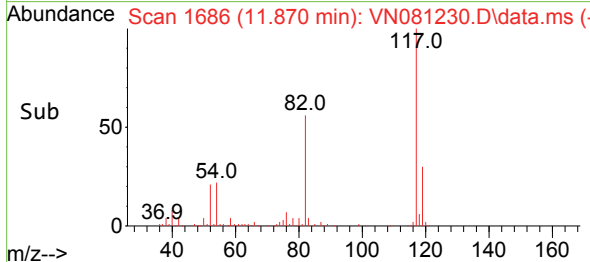
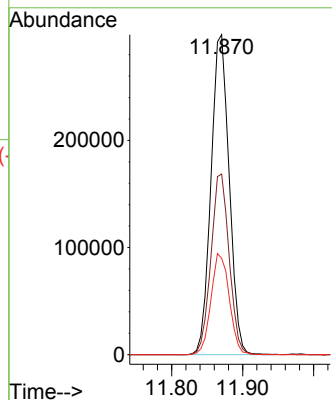
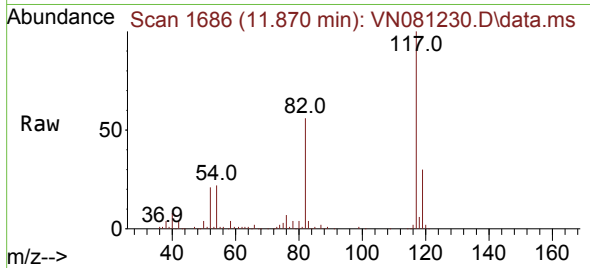




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

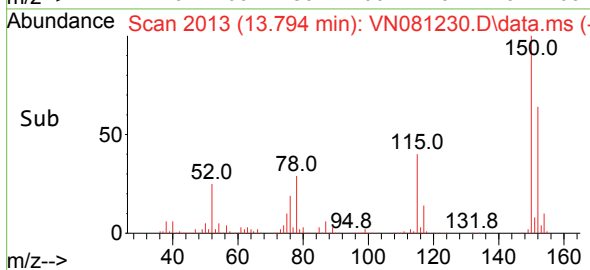
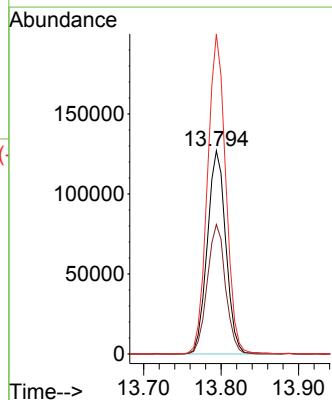
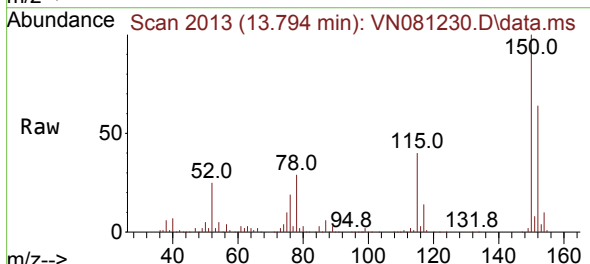
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

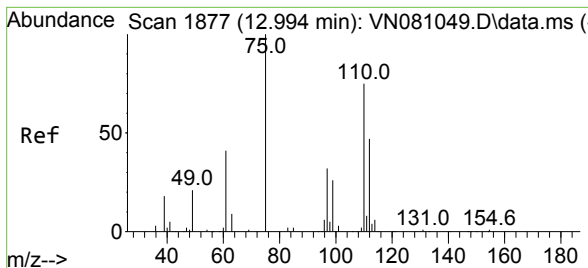
Tgt Ion:117 Resp: 531117
Ion Ratio Lower Upper
117 100
82 56.5 52.7 79.1
119 30.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion:152 Resp: 210669
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 155.3 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 24.759 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

Instrument :

MSVOA_N

ClientSampleId :

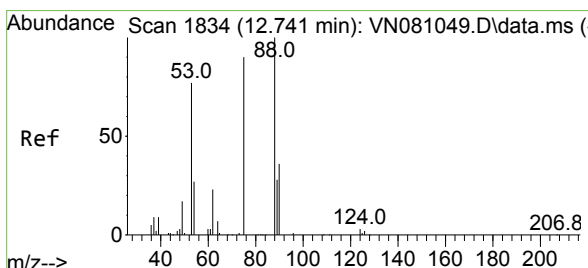
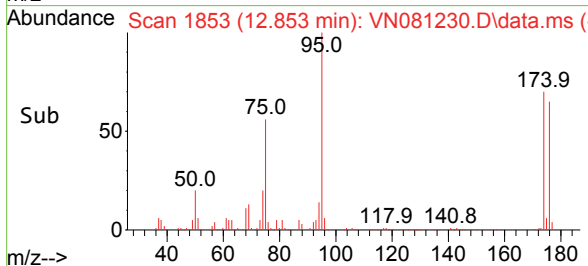
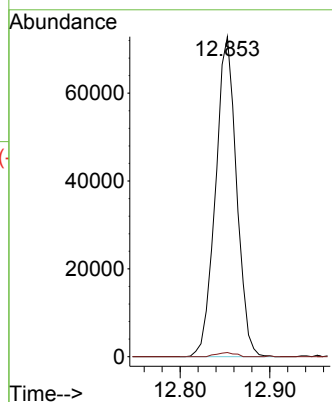
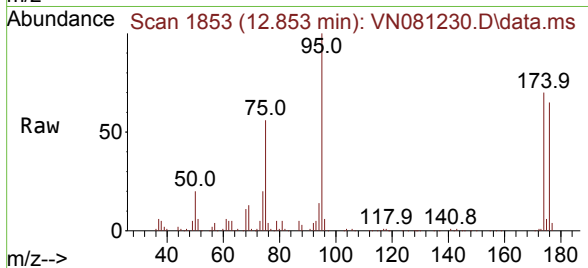
RE139D1-20240222

Tgt Ion: 75 Resp: 118508

Ion Ratio Lower Upper

75 100

77 1.2 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.727 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

Tgt Ion: 75 Resp: 118508

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

