

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032524\
 Data File : VN081561.D
 Acq On : 25 Mar 2024 14:55
 Operator : JC\MD
 Sample : P1838-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-SP302-20240321

Quant Time: Mar 26 01:19:45 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)

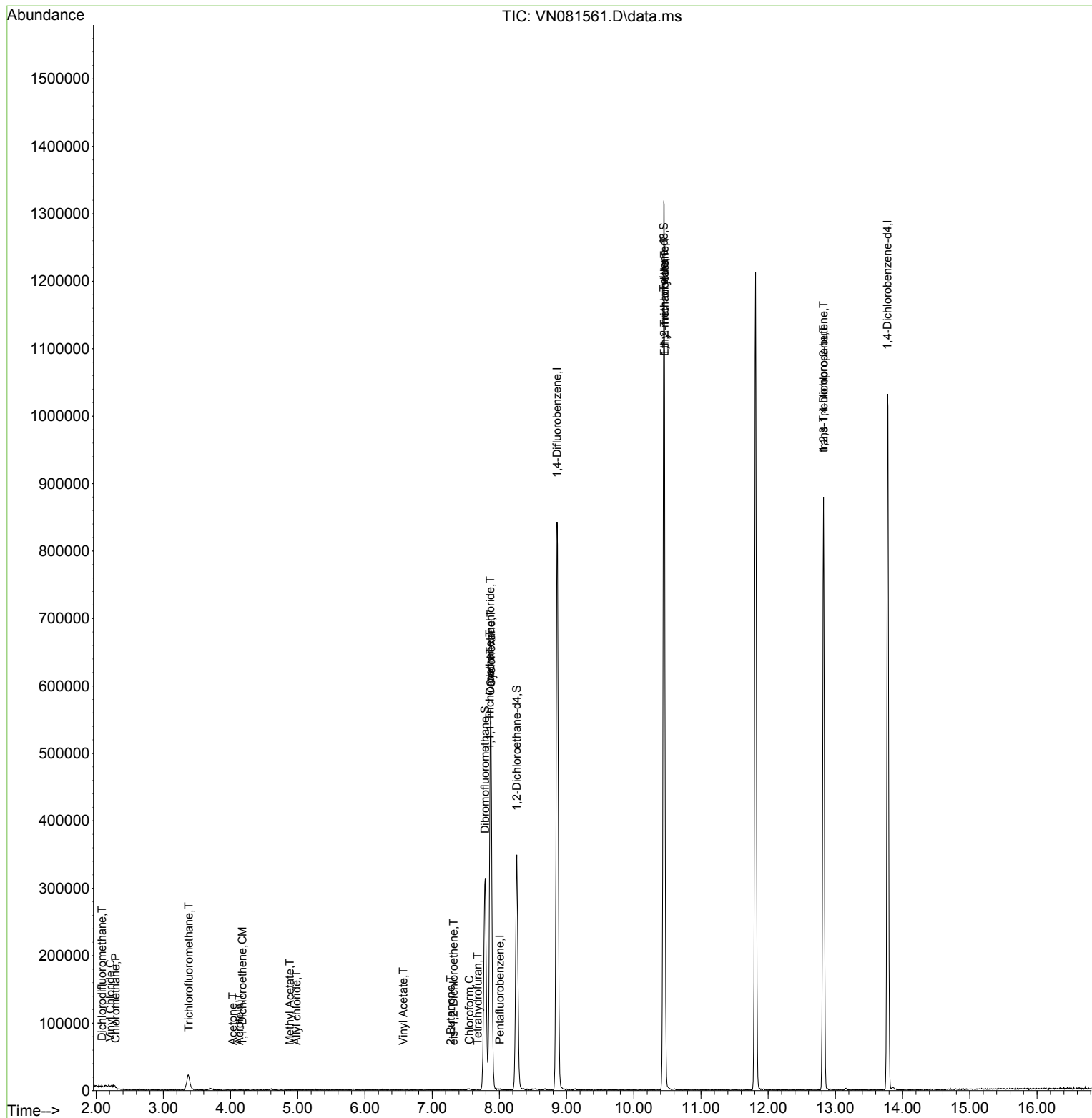
Internal Standards						
1) Pentafluorobenzene	8.006	168	316	50.000	ug/l	#-0.22
34) 1,4-Difluorobenzene	8.859	114	800286	50.000	ug/l	-0.25
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.86
72) 1,4-Dichlorobenzene-d4	13.776	152	276781	50.000	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	291921	72439.791	ug/l	-0.32
Spiked Amount	50.000	Range	74 - 125	Recovery	= 144879.580%#	
35) Dibromofluoromethane	7.788	113	248762	49.254	ug/l	-0.38
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.500%	
50) Toluene-d8	10.447	98	942311	51.613	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	64 - 133	Recovery	= 0.000%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.089	85	54	12.691	ug/l #	44
3) Chloromethane	2.289	50	227	53.583	ug/l #	54
4) Vinyl Chloride	2.212	62	54	11.358	ug/l #	46
7) Trichlorofluoromethane	3.377	101	15097	2130.622	ug/l	88
12) 1,1-Dichloroethene	4.177	96	56	15.016	ug/l #	1
13) Acrolein	4.130	56	61	96.800	ug/l #	15
14) Allyl chloride	4.983	41	66	14.123	ug/l #	22
16) Acetone	4.036	43	67	51.446	ug/l #	44
18) Methyl Acetate	4.883	43	81	20.174	ug/l #	54
23) Vinyl Acetate	6.571	43	96	11.108	ug/l #	75
25) 2-Butanone	7.277	43	54	24.174	ug/l #	51
27) cis-1,2-Dichloroethene	7.318	96	130	27.632	ug/l #	1
29) Tetrahydrofuran	7.677	42	119	79.079	ug/l #	38
30) Chloroform	7.553	83	2297	295.040	ug/l #	66
31) Cyclohexane	7.877	56	9945	1516.552	ug/l #	29
32) 1,1,1-Trichloroethane	7.859	97	147	20.812	ug/l #	1
38) Carbon Tetrachloride	7.865	117	33932	3.644	ug/l #	19
55) 1,1,2-Trichloroethane	10.459	97	24949	3.925	ug/l #	1
56) Ethyl methacrylate	10.459	69	2356	0.844	ug/l #	75
76) 1,2,3-Trichloropropane	12.823	75	155874	23.543	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	155874	63.622	ug/l #	14

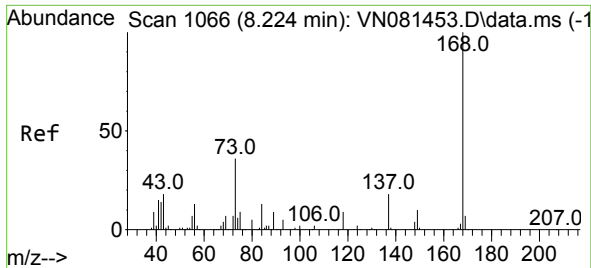
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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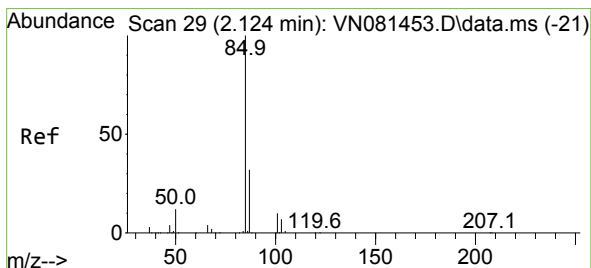
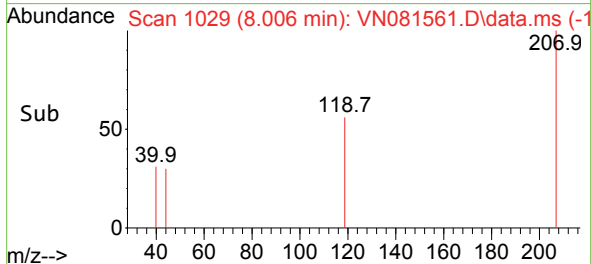
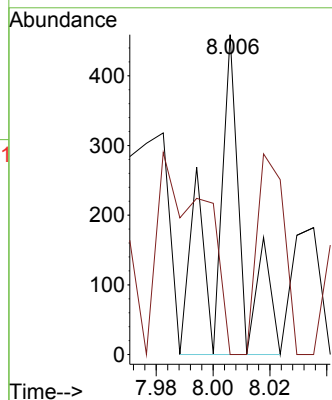
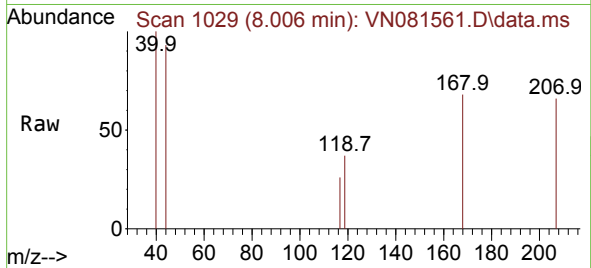




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.006 min Scan# 10
Delta R.T. -0.218 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

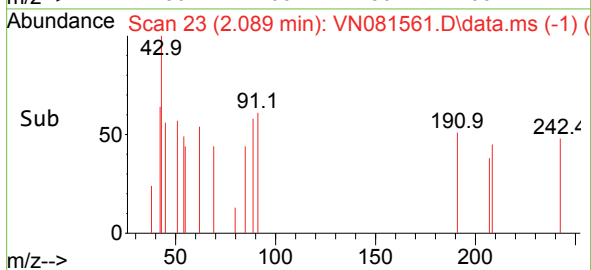
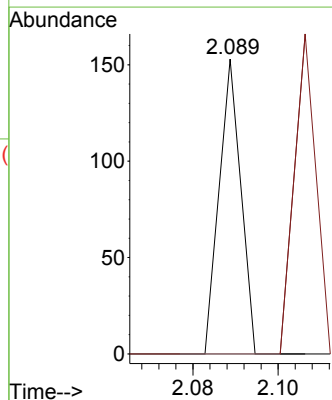
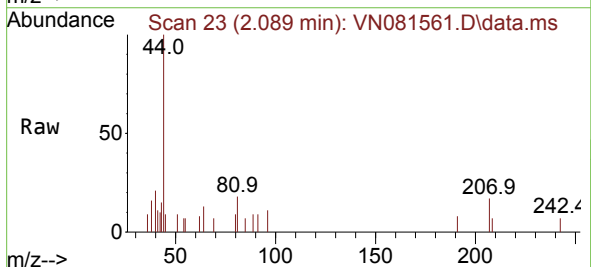
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP302-20240321

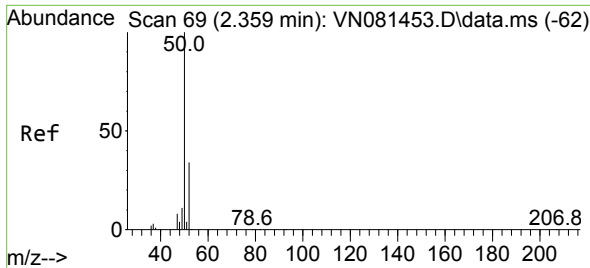
Tgt Ion:168 Resp: 316
Ion Ratio Lower Upper
168 100
99 0.0 59.9 89.9#



#2
Dichlorodifluoromethane
Concen: 12.691 ug/l
RT: 2.089 min Scan# 23
Delta R.T. -0.035 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 15.3 45.9#

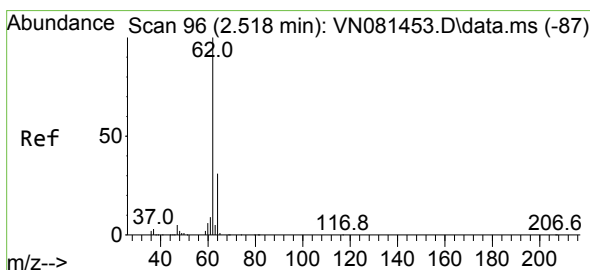
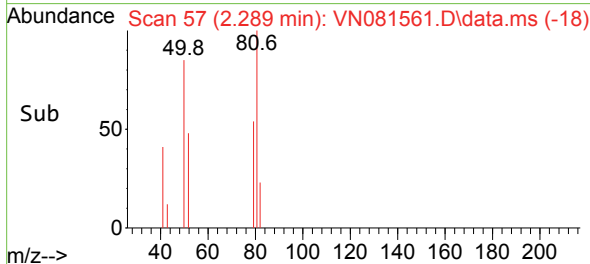
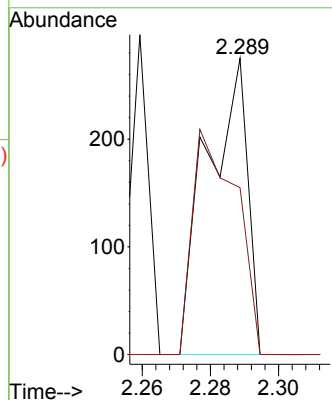
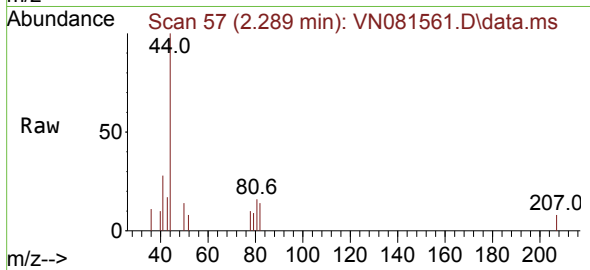




#3
Chloromethane
Concen: 53.583 ug/l
RT: 2.289 min Scan# 51
Delta R.T. -0.071 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

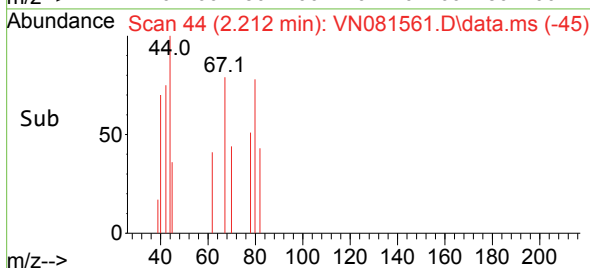
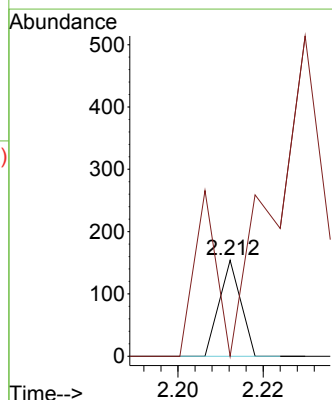
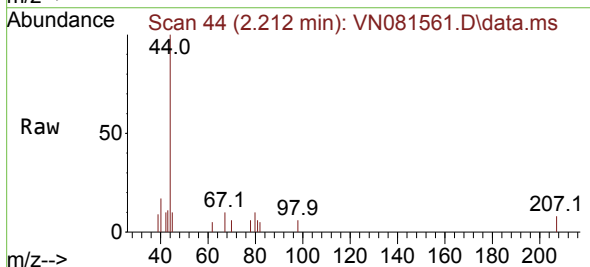
Instrument :
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ClientSampleId :
RE137-SP302-20240321

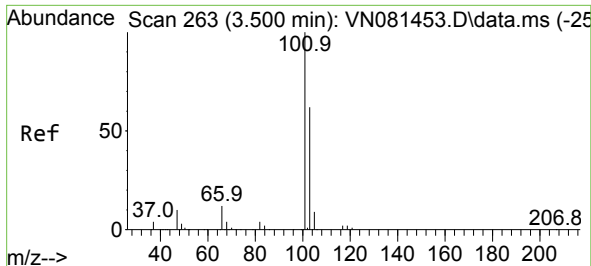
Tgt Ion: 50 Resp: 227
Ion Ratio Lower Upper
50 100
52 56.4 25.0 37.4#



#4
Vinyl Chloride
Concen: 11.358 ug/l
RT: 2.212 min Scan# 44
Delta R.T. -0.306 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Tgt Ion: 62 Resp: 54
Ion Ratio Lower Upper
62 100
64 0.0 22.7 34.1#

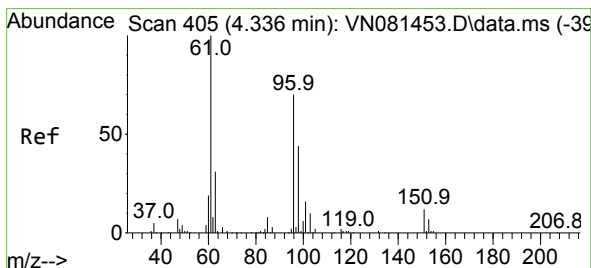
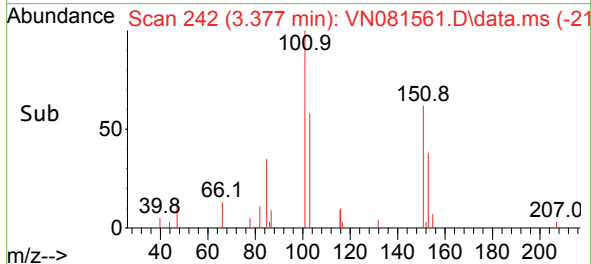
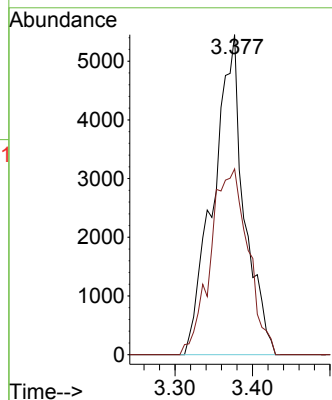
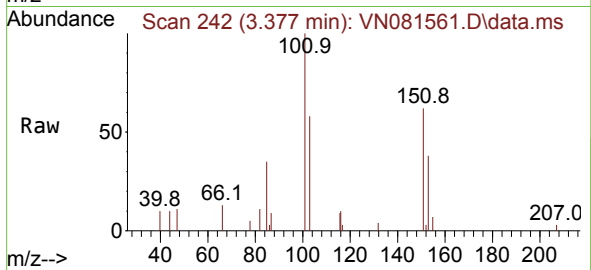




#7
 Trichlorofluoromethane
 Concen: 2130.622 ug/l
 RT: 3.377 min Scan# 24
 Delta R.T. -0.124 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

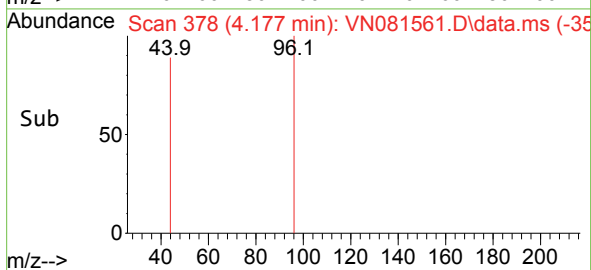
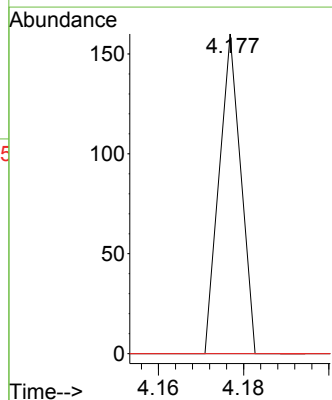
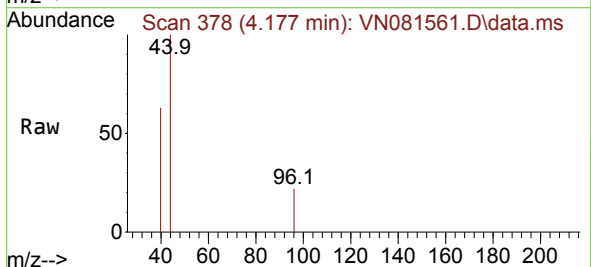
Instrument :
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 ClientSampleId :
 RE137-SP302-20240321

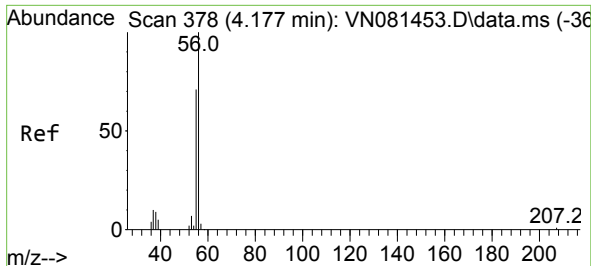
Tgt Ion:101 Resp: 15097
 Ion Ratio Lower Upper
 101 100
 103 58.1 54.4 81.6



#12
 1,1-Dichloroethene
 Concen: 15.016 ug/l
 RT: 4.177 min Scan# 378
 Delta R.T. -0.159 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

Tgt Ion: 96 Resp: 56
 Ion Ratio Lower Upper
 96 100
 61 0.0 138.2 207.4#
 98 0.0 49.2 73.8#

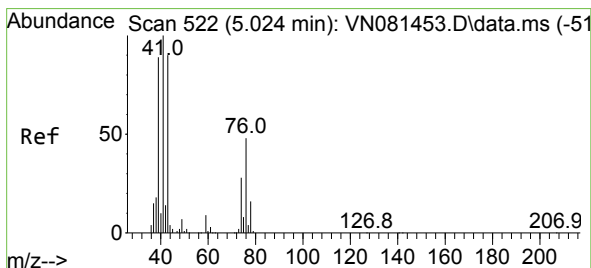
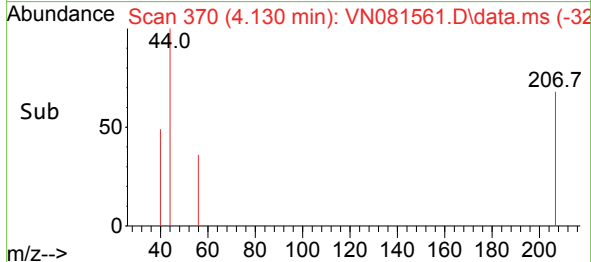
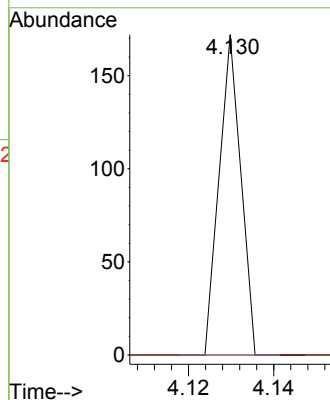
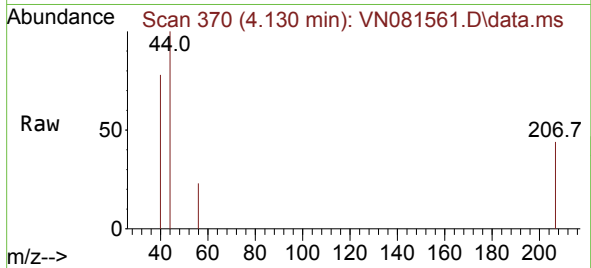




#13
Acrolein
Concen: 96.800 ug/l
RT: 4.130 min Scan# 31
Delta R.T. -0.047 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

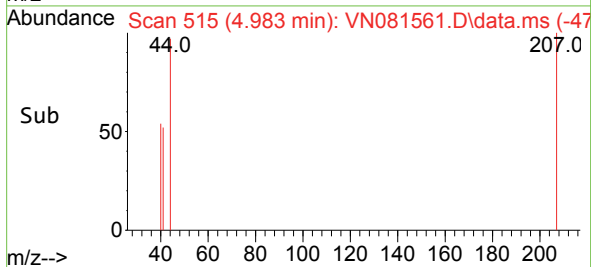
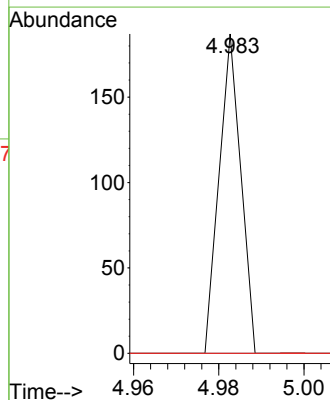
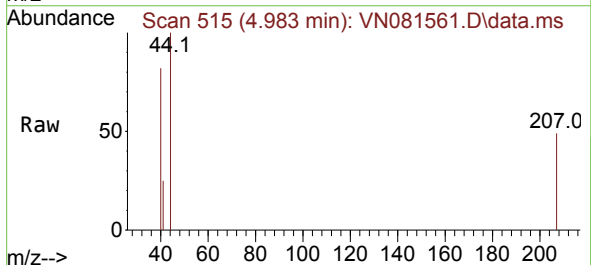
Instrument :
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ClientSampleId :
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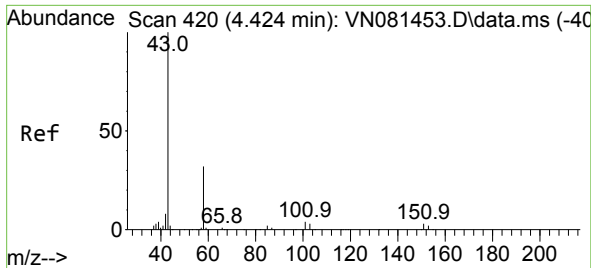
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#14
Allyl chloride
Concen: 14.123 ug/l
RT: 4.983 min Scan# 515
Delta R.T. -0.041 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
39 0.0 57.7 86.5#
76 0.0 26.8 40.2#

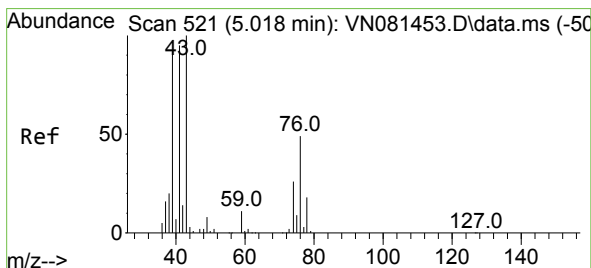
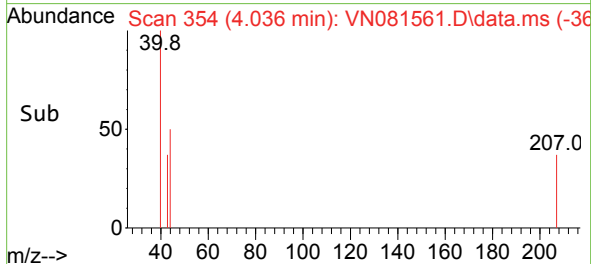
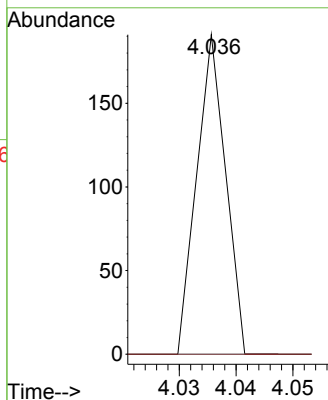
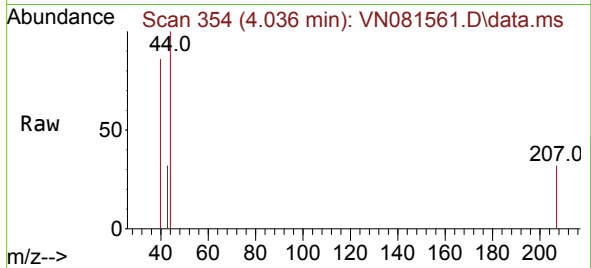




#16
Acetone
Concen: 51.446 ug/l
RT: 4.036 min Scan# 31
Delta R.T. -0.388 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

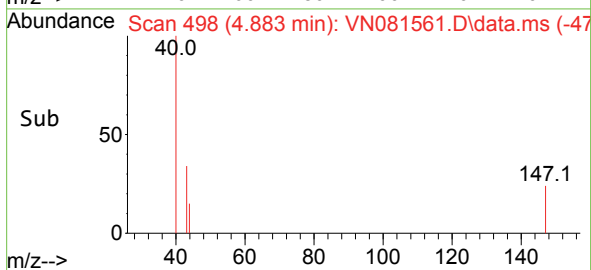
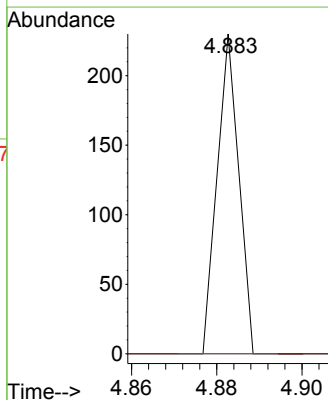
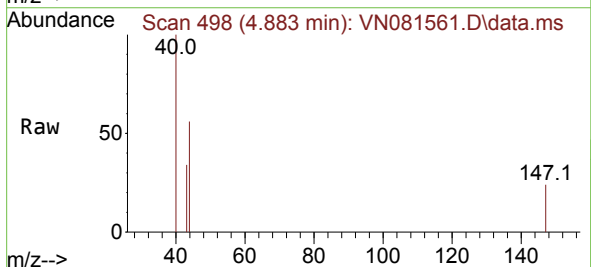
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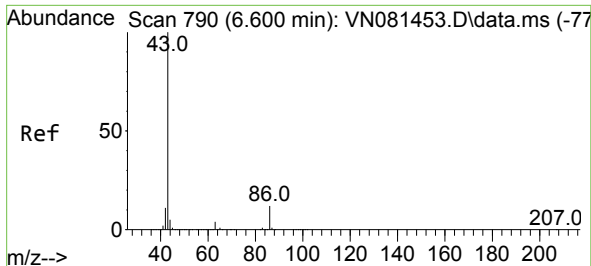
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#18
Methyl Acetate
Concen: 20.174 ug/l
RT: 4.883 min Scan# 498
Delta R.T. -0.135 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#

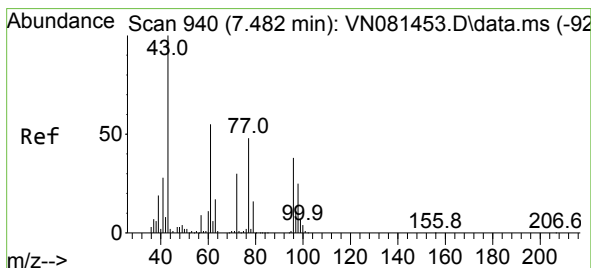
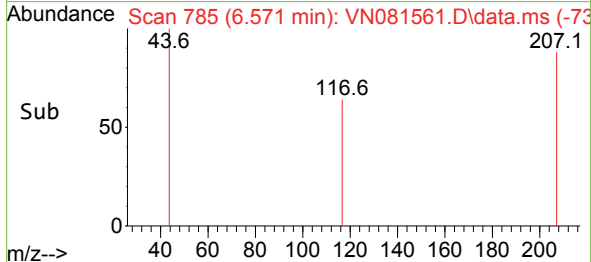
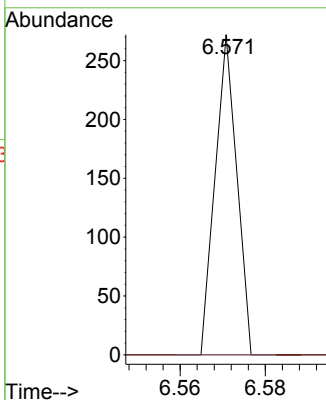
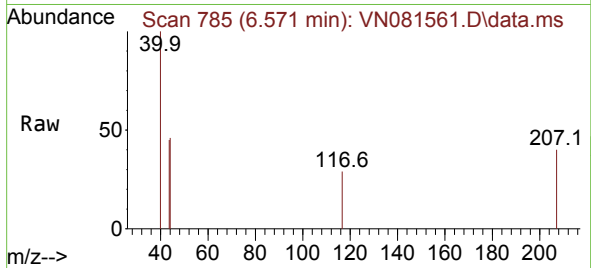




#23
Vinyl Acetate
Concen: 11.108 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.029 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

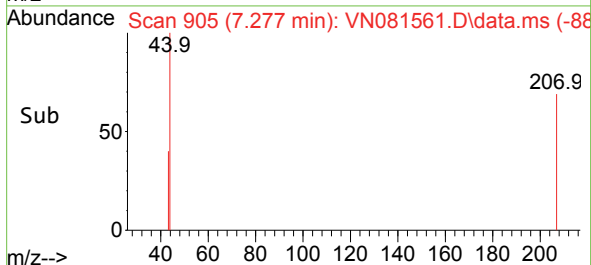
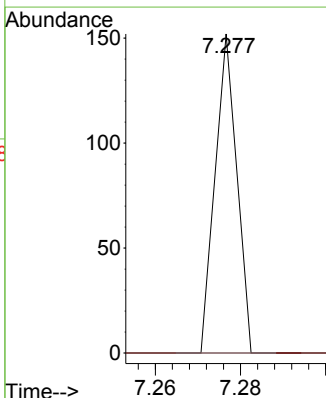
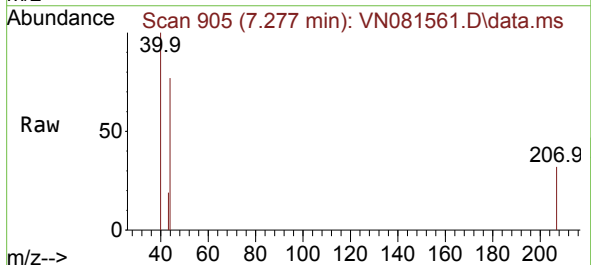
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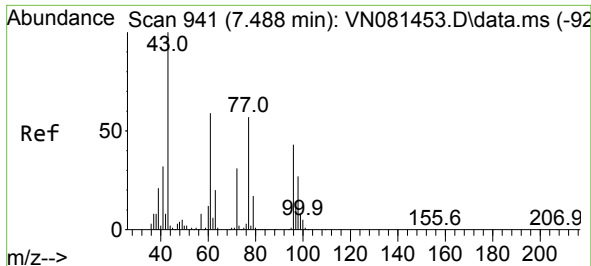
Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#



#25
2-Butanone
Concen: 24.174 ug/l
RT: 7.277 min Scan# 905
Delta R.T. -0.206 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



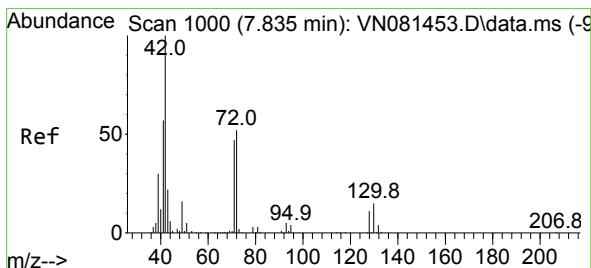
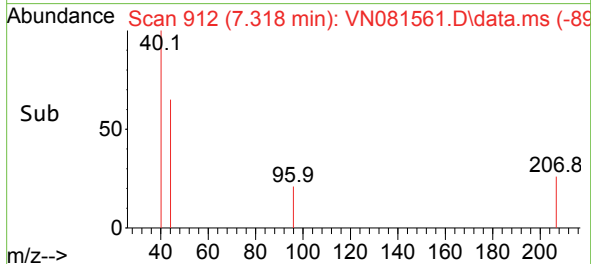
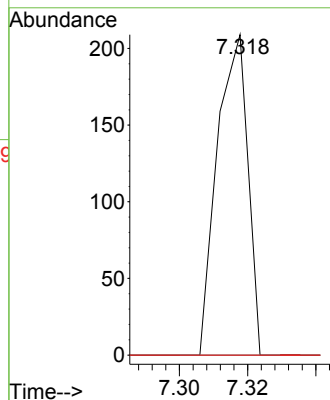
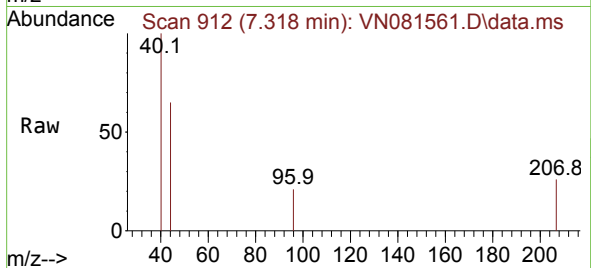


#27
 cis-1,2-Dichloroethene
 Concen: 27.632 ug/l
 RT: 7.318 min Scan# 911
 Delta R.T. -0.171 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-SP302-20240321

Tgt Ion: 96 Resp: 130

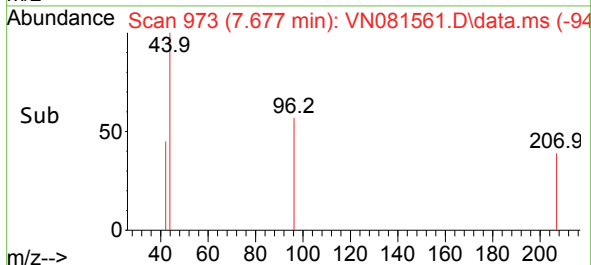
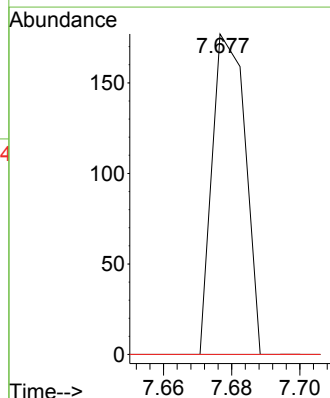
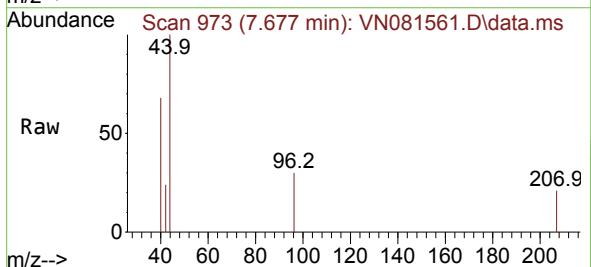
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	325.4
98	0.0	0.0	130.4

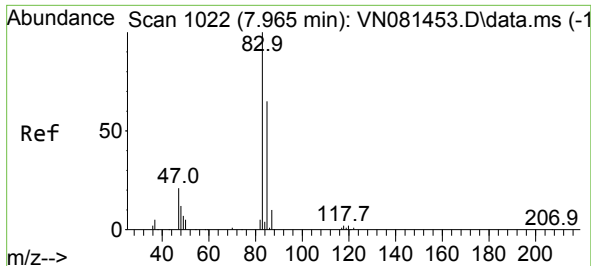


#29
 Tetrahydrofuran
 Concen: 79.079 ug/l
 RT: 7.677 min Scan# 973
 Delta R.T. -0.159 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

Tgt Ion: 42 Resp: 119

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.1	46.7#
71	0.0	28.3	42.5#

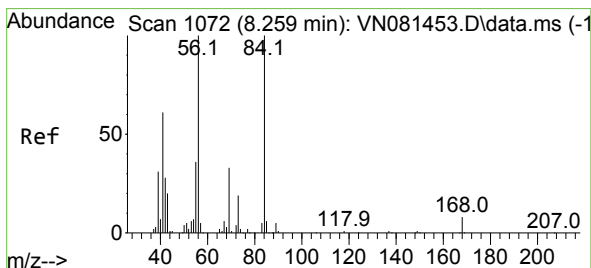
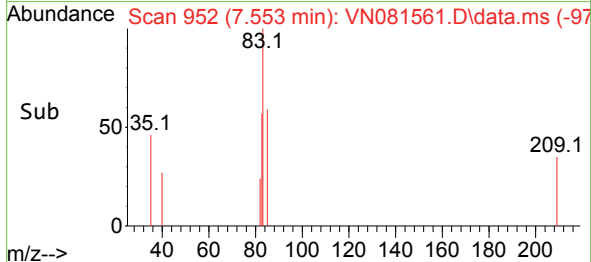
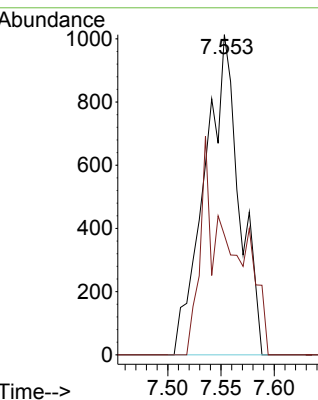
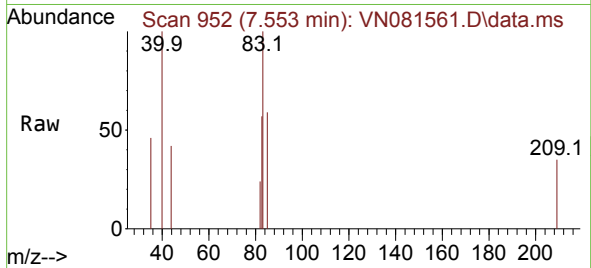




#30
Chloroform
Concen: 295.040 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.412 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

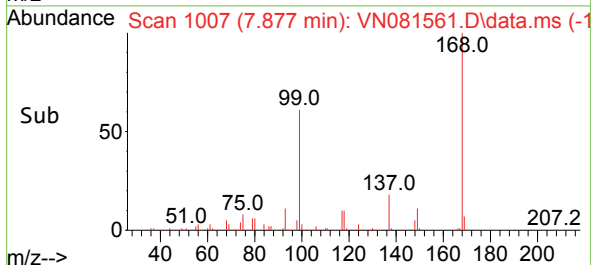
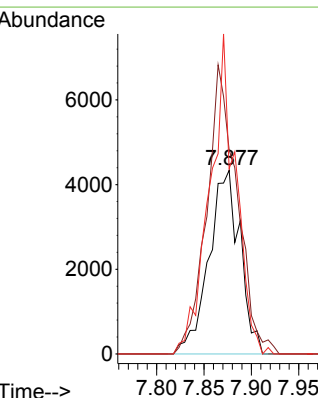
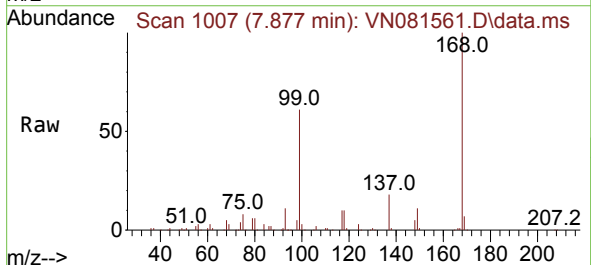
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP302-20240321

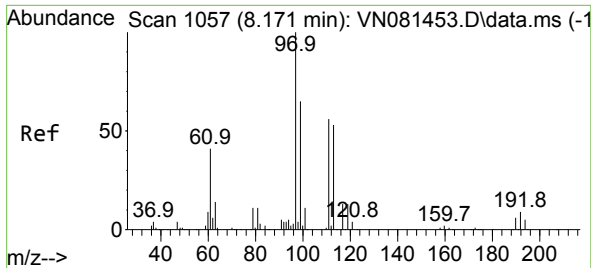
Tgt Ion: 83 Resp: 2297
Ion Ratio Lower Upper
83 100
85 37.4 51.0 76.6#



#31
Cyclohexane
Concen: 1516.552 ug/l
RT: 7.877 min Scan# 1007
Delta R.T. -0.382 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Tgt Ion: 56 Resp: 9945
Ion Ratio Lower Upper
56 100
69 110.9 20.1 30.1#
84 100.8 56.9 85.3#

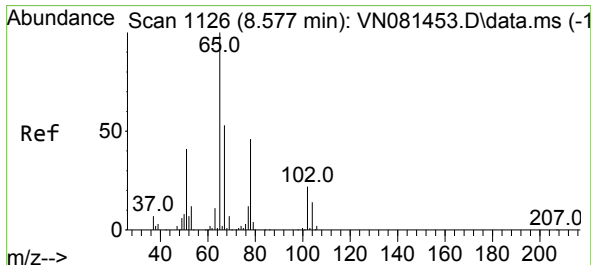
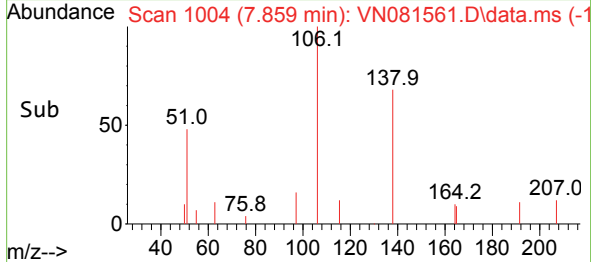
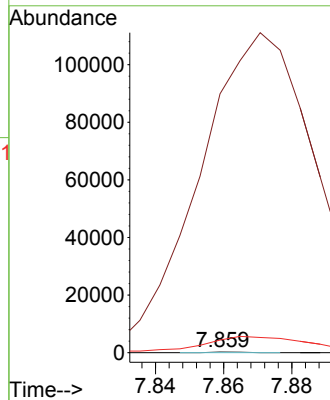
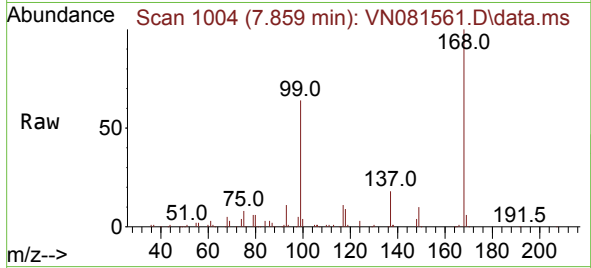




#32
1,1,1-Trichloroethane
Concen: 20.812 ug/l
RT: 7.859 min Scan# 1057
Delta R.T. -0.312 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

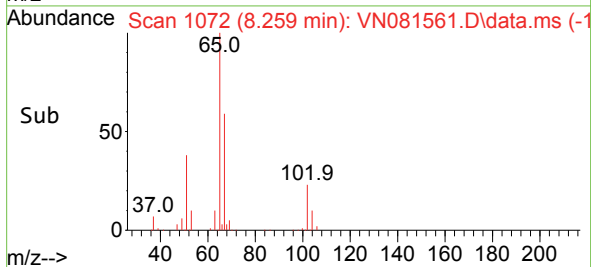
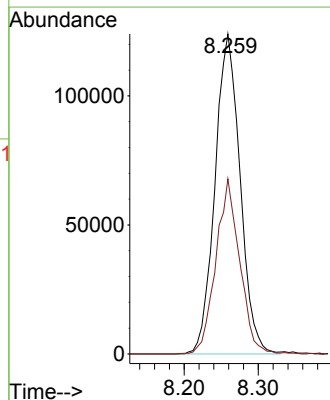
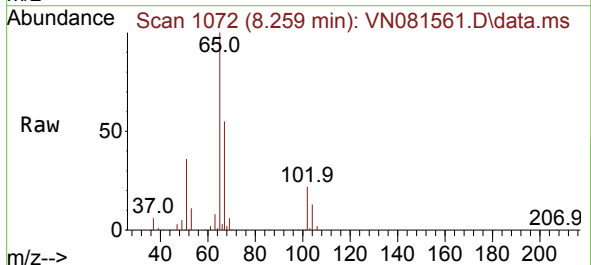
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP302-20240321

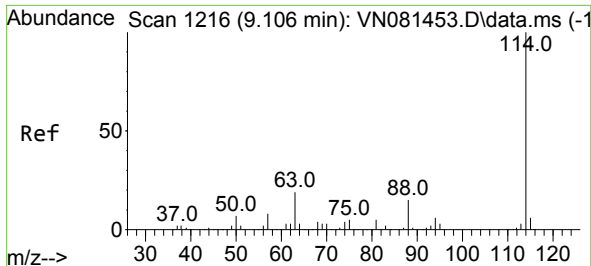
Tgt Ion: 97 Resp: 147
Ion Ratio Lower Upper
97 100
99 186961.9 53.4 80.0#
61 8793.9 43.8 65.8#



#33
1,2-Dichloroethane-d4
Concen: 72439.791 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.318 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Tgt Ion: 65 Resp: 291921
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.859 min Scan# 1174

Delta R.T. -0.247 min

Lab File: VN081561.D

Acq: 25 Mar 2024 14:55

Instrument :

MSVOA_N

ClientSampleId :

RE137-SP302-20240321

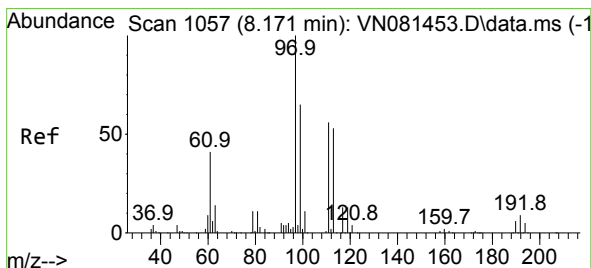
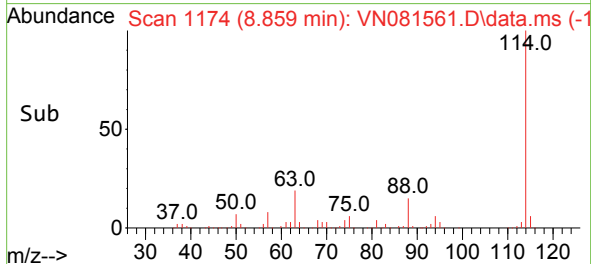
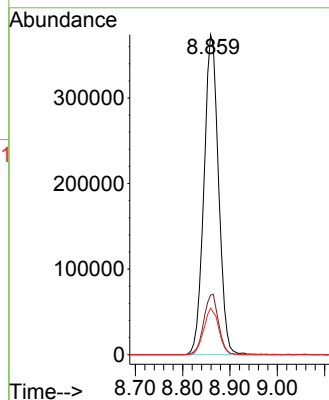
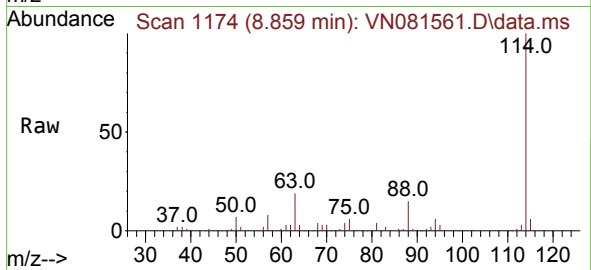
Tgt Ion:114 Resp: 800286

Ion Ratio Lower Upper

114 100

63 18.7 0.0 48.0

88 14.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.254 ug/l

RT: 7.788 min Scan# 992

Delta R.T. -0.382 min

Lab File: VN081561.D

Acq: 25 Mar 2024 14:55

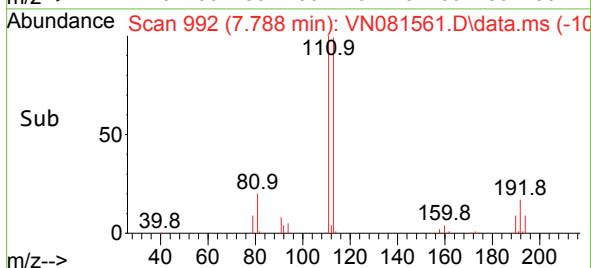
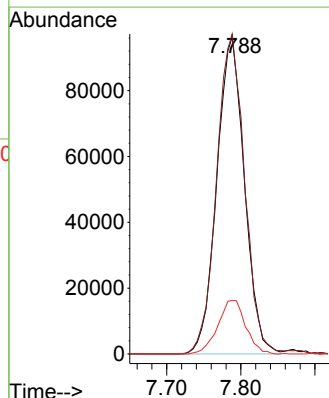
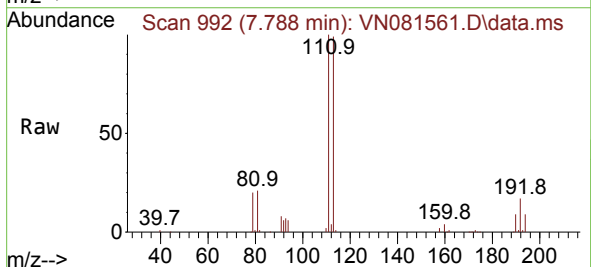
Tgt Ion:113 Resp: 248762

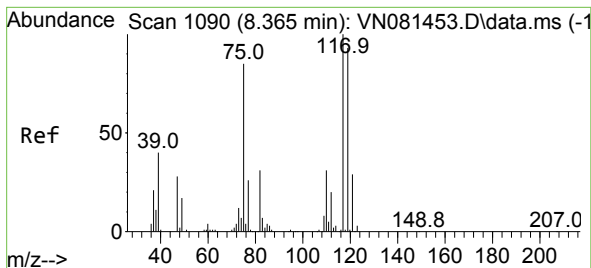
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 17.1 12.5 18.7





#38

Carbon Tetrachloride

Concen: 3.644 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. -0.500 min

Lab File: VN081561.D

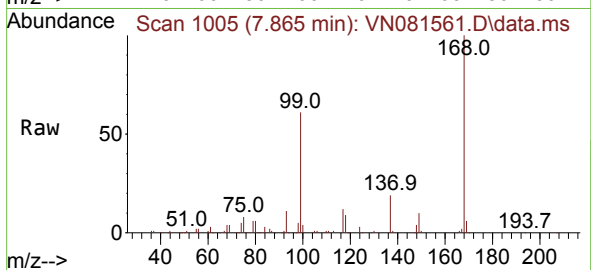
Acq: 25 Mar 2024 14:55

Instrument :

MSVOA_N

ClientSampleId :

RE137-SP302-20240321



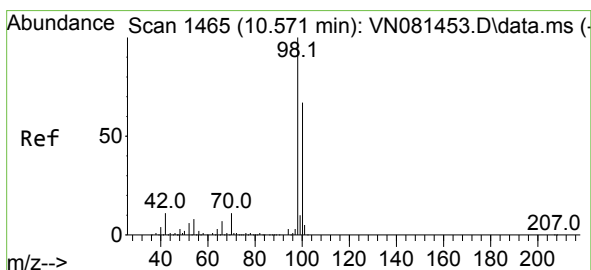
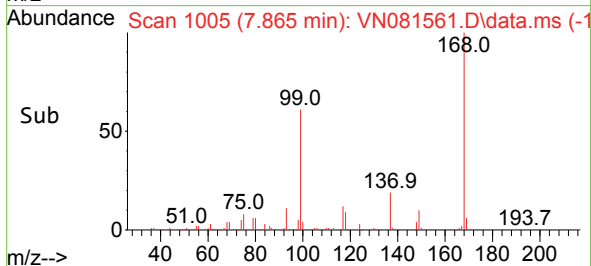
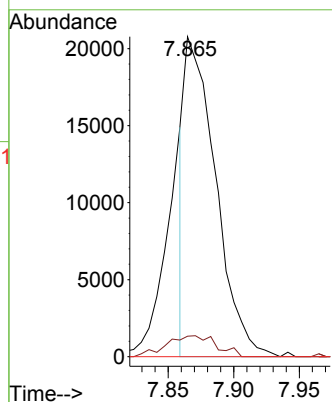
Tgt Ion:117 Resp: 33932

Ion Ratio Lower Upper

117 100

119 6.4 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 51.613 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.124 min

Lab File: VN081561.D

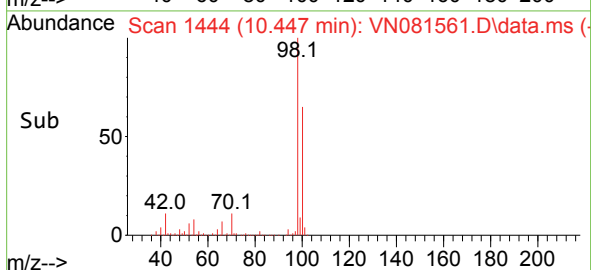
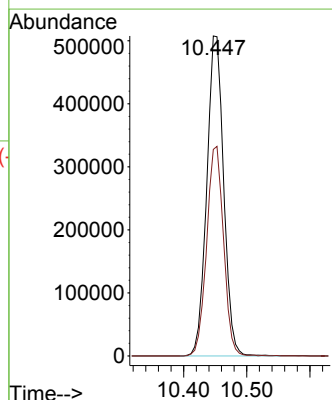
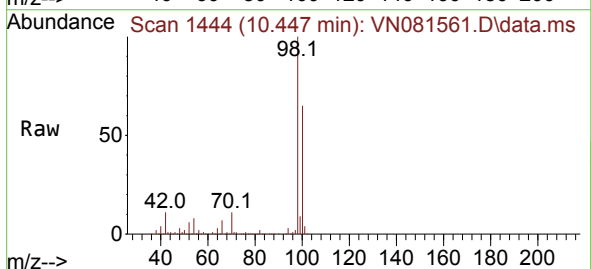
Acq: 25 Mar 2024 14:55

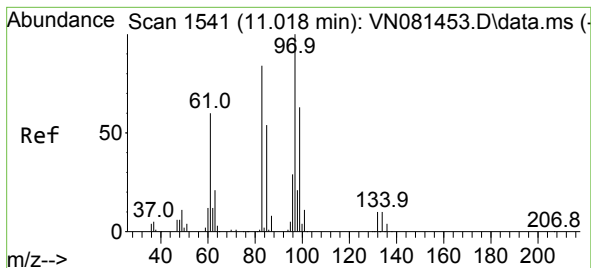
Tgt Ion: 98 Resp: 942311

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.0





#55

1,1,2-Trichloroethane

Concen: 3.925 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. -0.559 min

Lab File: VN081561.D

Acq: 25 Mar 2024 14:55

Instrument :

MSVOA_N

ClientSampleId :

RE137-SP302-20240321

Tgt Ion: 97 Resp: 24949

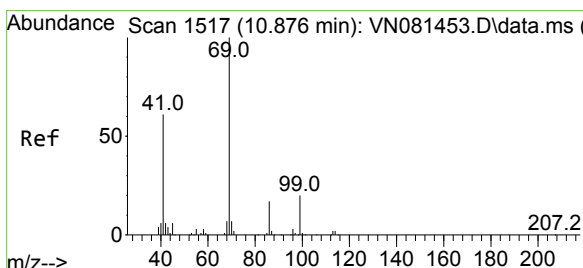
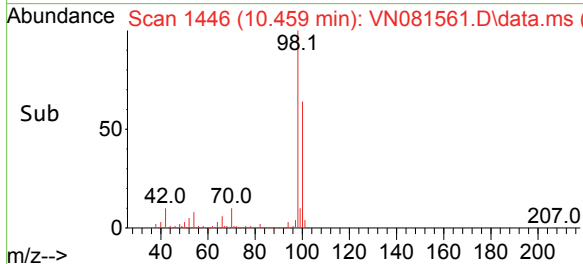
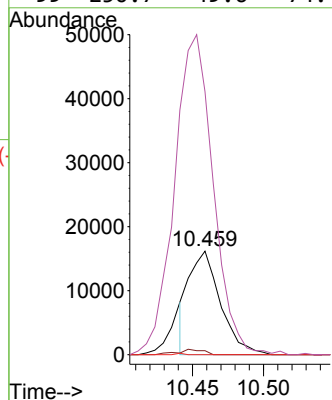
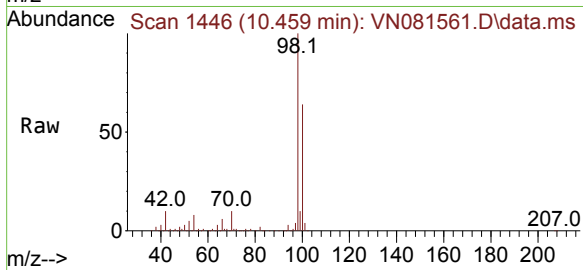
Ion Ratio Lower Upper

97 100

83 3.9 72.9 109.3#

85 0.0 50.2 75.2#

99 250.7 49.6 74.4#



#56

Ethyl methacrylate

Concen: 0.844 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. -0.417 min

Lab File: VN081561.D

Acq: 25 Mar 2024 14:55

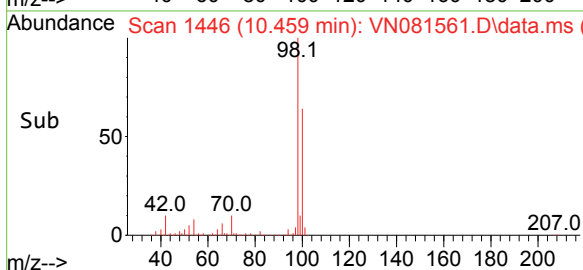
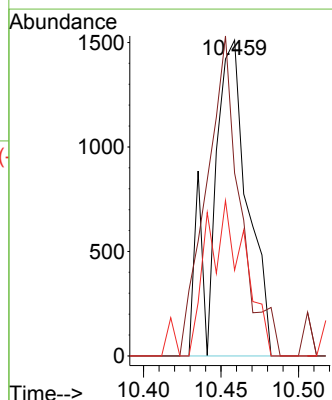
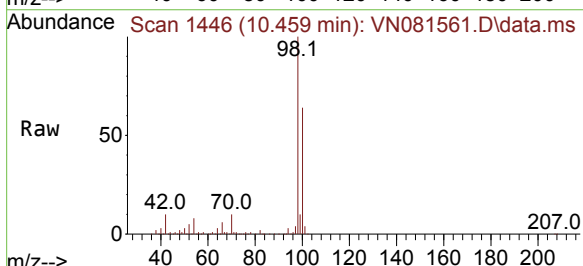
Tgt Ion: 69 Resp: 2356

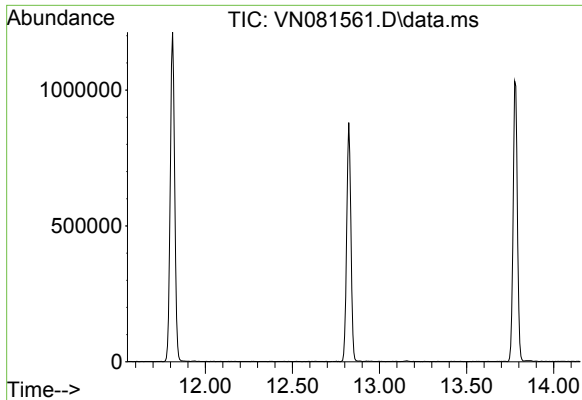
Ion Ratio Lower Upper

69 100

41 98.2 61.0 91.6#

39 53.9 31.8 47.6#



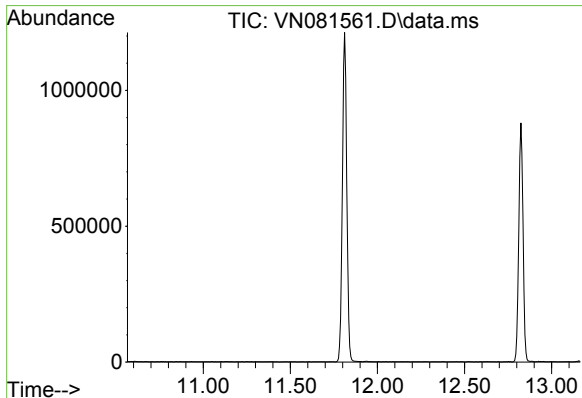
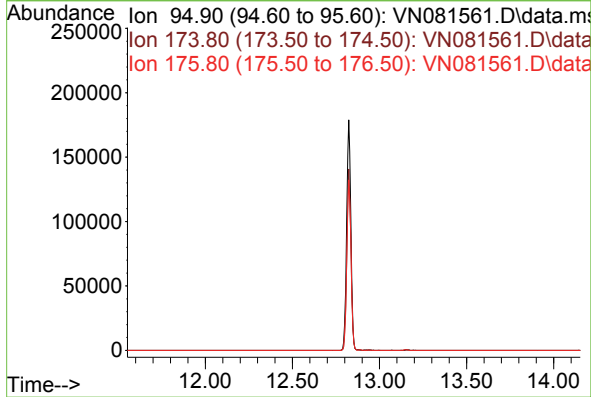


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.85 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-SP302-20240321

Tgt Ion: 95

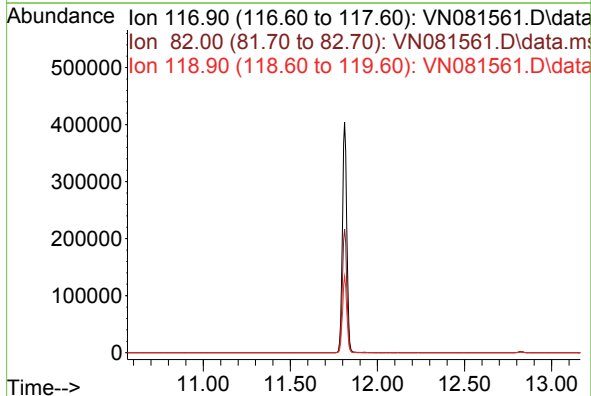
Sig	Exp Ratio
95	100
174	60.2
176	60.5

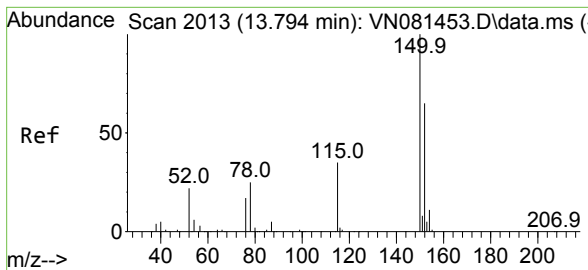


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.86 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	65.9
119	31.6

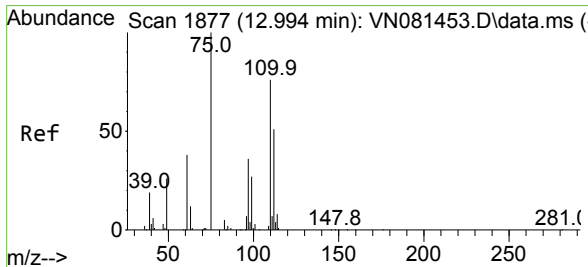
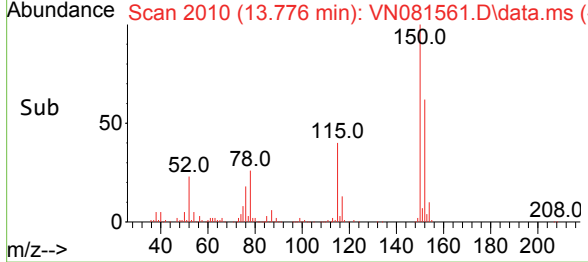
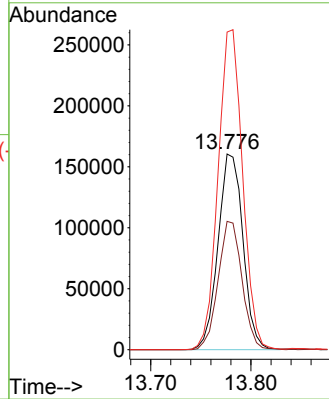
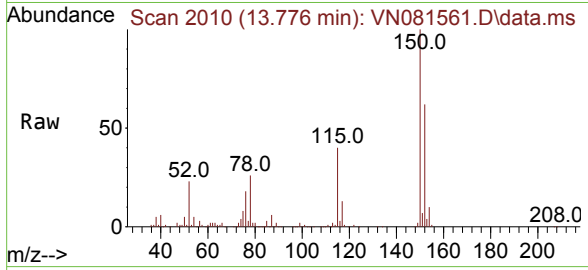




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.776 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

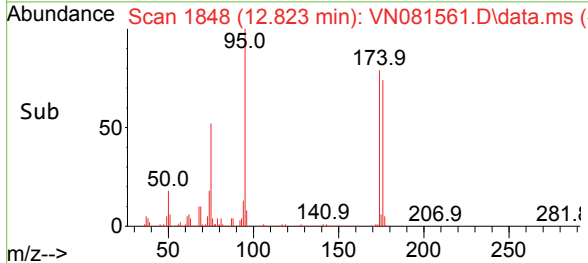
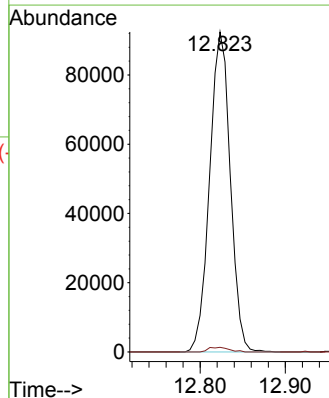
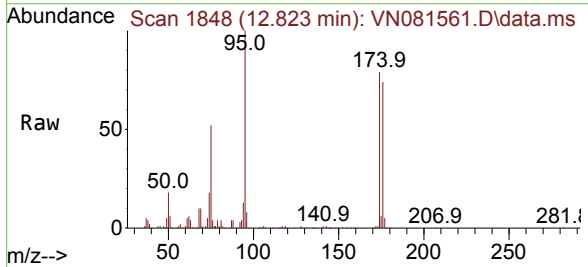
Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-SP302-20240321

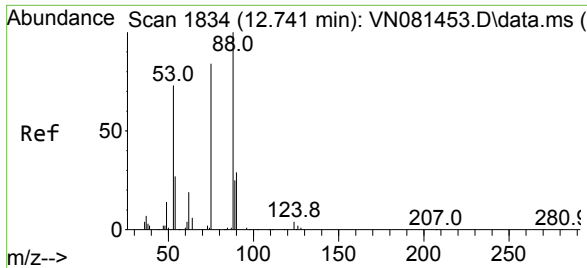
Tgt Ion:152 Resp: 276781
 Ion Ratio Lower Upper
 152 100
 115 63.0 32.3 96.8
 150 161.4 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 23.543 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.171 min
 Lab File: VN081561.D
 Acq: 25 Mar 2024 14:55

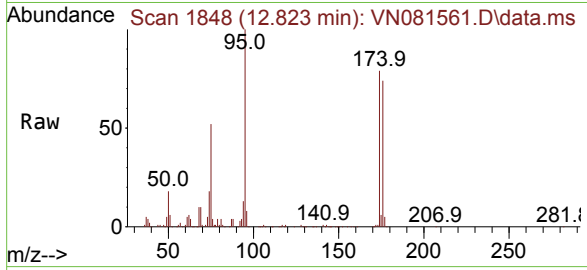
Tgt Ion: 75 Resp: 155874
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.622 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.082 min
Lab File: VN081561.D
Acq: 25 Mar 2024 14:55

Instrument :
MSVOA_N
ClientSampleId :
RE137-SP302-20240321



Tgt Ion: 75 Resp: 155874
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

