

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077066.D
 Acq On : 20 Mar 2023 14:17
 Operator : JC\MD
 Sample : 01904-04DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-20230313DL

Quant Time: Mar 21 05:36:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

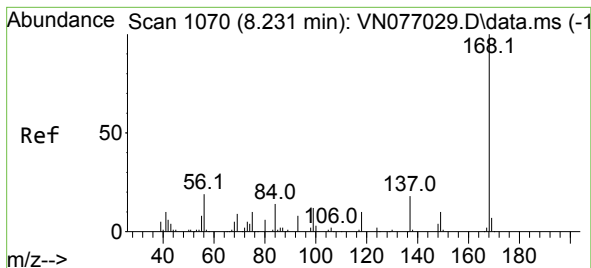
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	417938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	740490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	652575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	248242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	305492	45.761	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.520%
35) Dibromofluoromethane	8.172	113	237610	45.820	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.640%
50) Toluene-d8	10.572	98	901760	48.680	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.848	95	289753	44.266	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.540%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.378	101	3108	0.560	ug/l #	32
11) Tert butyl alcohol	5.501	59	269	0.277	ug/l #	72
31) Cyclohexane	8.225	56	10556	0.966	ug/l #	16
36) 1,1-Dichloropropene	8.231	75	38021	4.694	ug/l #	53
38) Carbon Tetrachloride	8.231	117	47989	6.083	ug/l #	15
39) Methylcyclohexane	9.354	83	3034	0.320	ug/l #	1
44) Trichloroethene	9.354	130	209903	37.201	ug/l	92
51) 4-Methyl-2-Pentanone	10.572	43	4262	0.506	ug/l #	1
64) Tetrachloroethene	11.107	164	1035	0.236	ug/l #	75
71) Bromoform	12.848	173	1324	0.352	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	154675	24.088	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	154675	66.305	ug/l #	10
95) Naphthalene	15.648	128	1380	1.992	ug/l #	75

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

Quant Time: Mar 21 05:36:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration

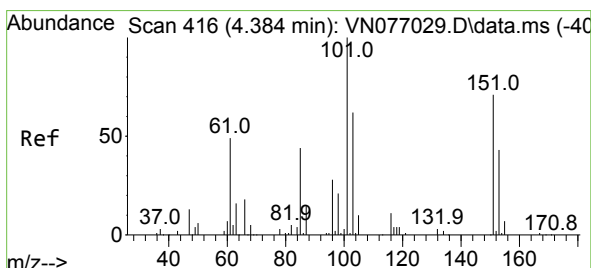
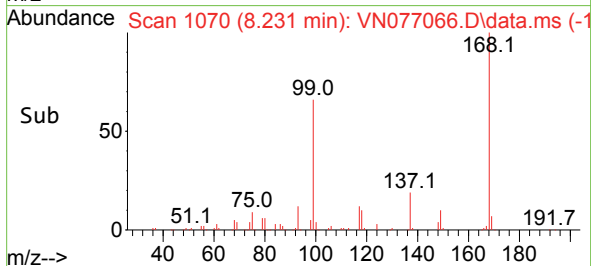
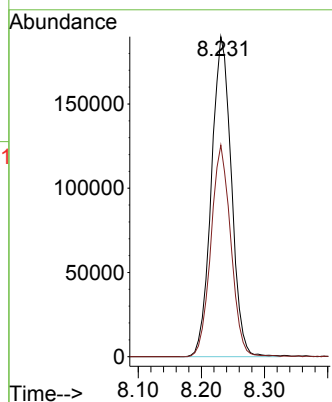
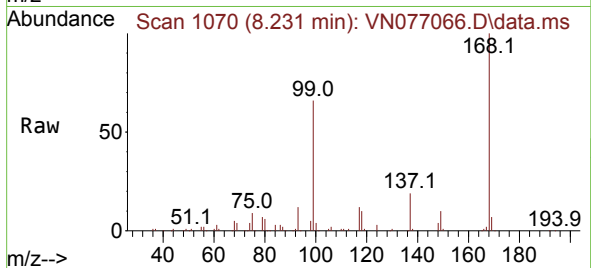




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

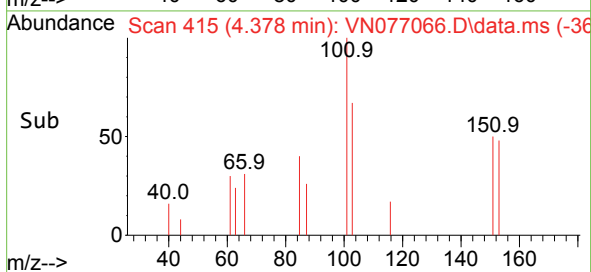
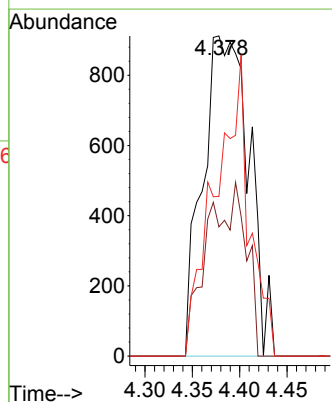
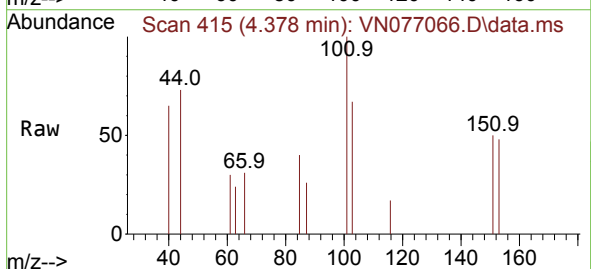
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230313DL

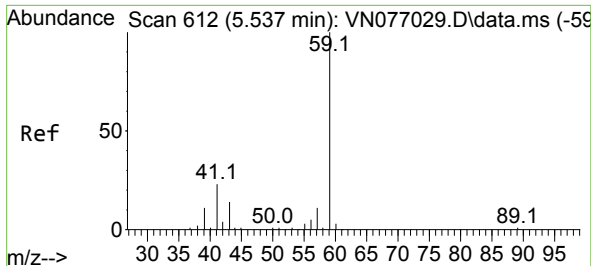
Tgt Ion:168 Resp: 417938
Ion Ratio Lower Upper
168 100
99 66.1 53.9 80.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.560 ug/l
RT: 4.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Tgt Ion:101 Resp: 3108
Ion Ratio Lower Upper
101 100
85 20.0 36.6 55.0#
151 0.0 56.9 85.3#

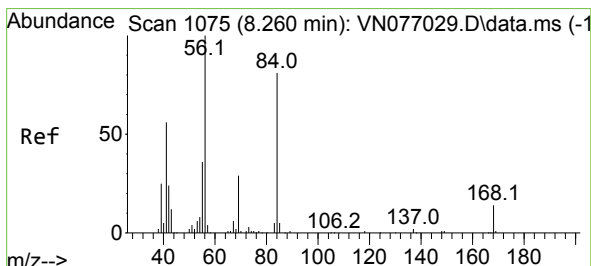
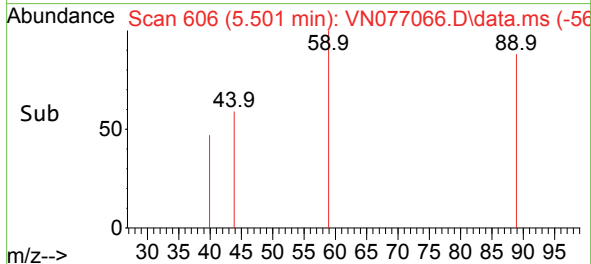
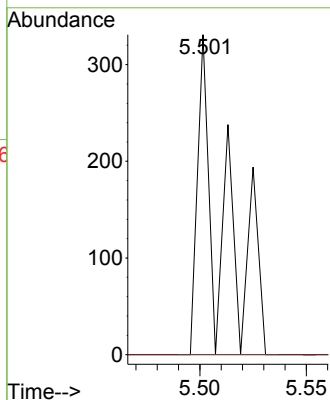
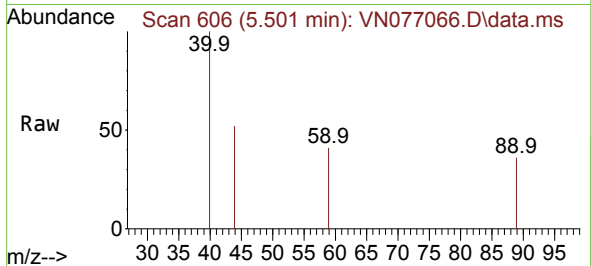




#11
Tert butyl alcohol
Concen: 0.277 ug/l
RT: 5.501 min Scan# 606
Delta R.T. -0.036 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

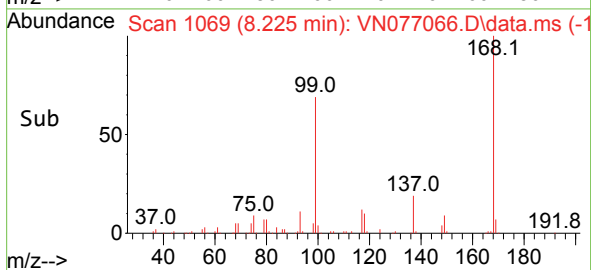
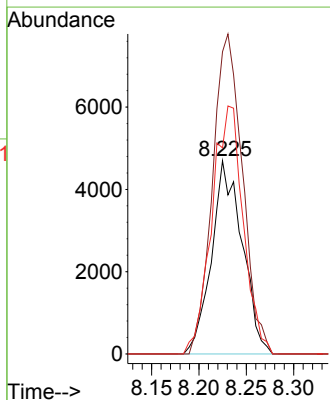
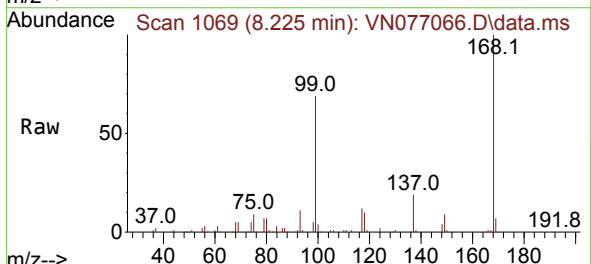
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230313DL

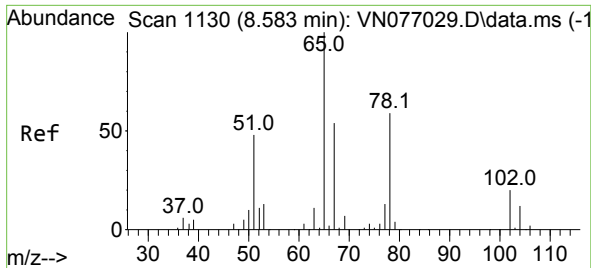
Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#31
Cyclohexane
Concen: 0.966 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Tgt Ion: 56 Resp: 10556
Ion Ratio Lower Upper
56 100
69 156.6 22.8 34.2#
84 106.8 64.7 97.1#

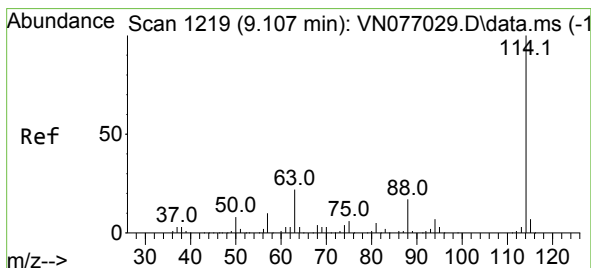
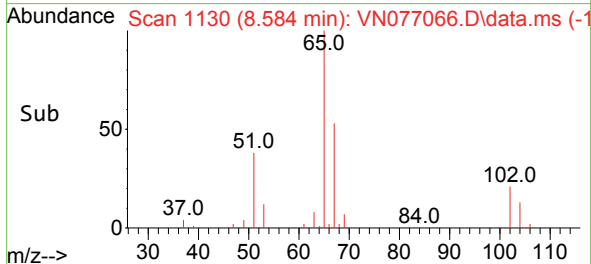
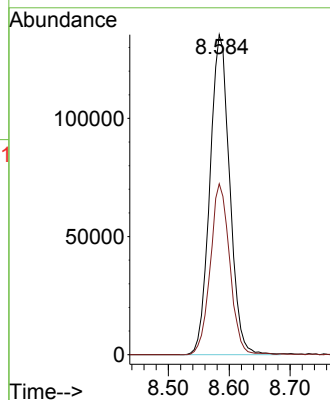
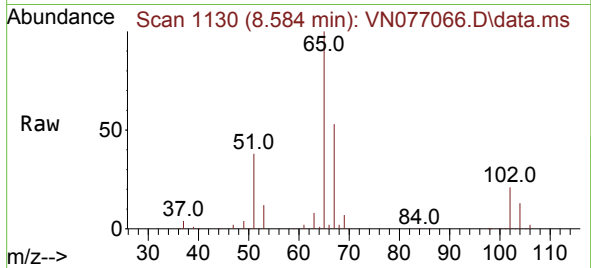




#33
 1,2-Dichloroethane-d4
 Concen: 45.761 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. 0.001 min
 Lab File: VN077066.D
 Acq: 20 Mar 2023 14:17

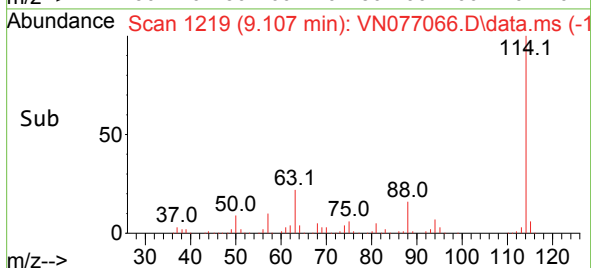
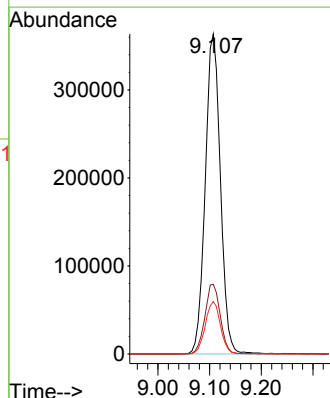
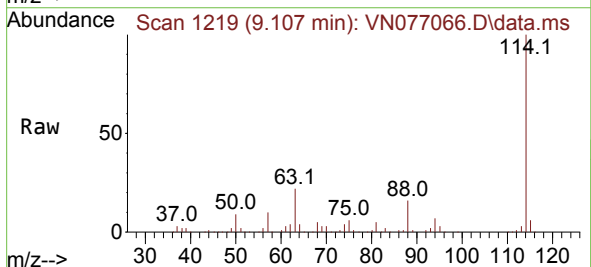
Instrument :
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 ClientSampleId :
 RE137-20230313DL

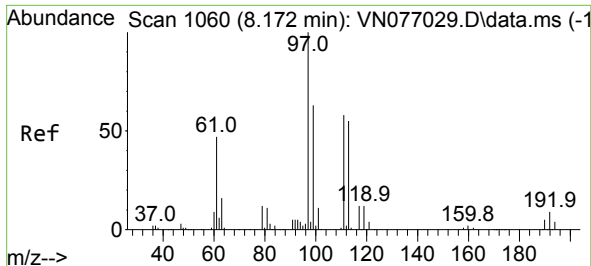
Tgt Ion: 65 Resp: 305492
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077066.D
 Acq: 20 Mar 2023 14:17

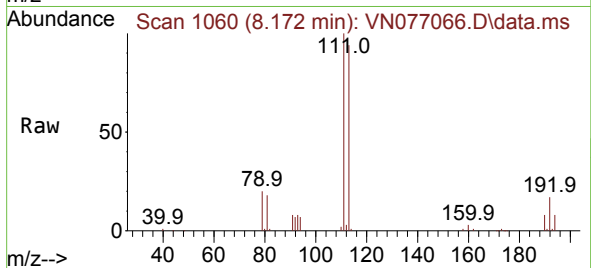
Tgt Ion: 114 Resp: 740490
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.6
 88 16.3 0.0 33.8



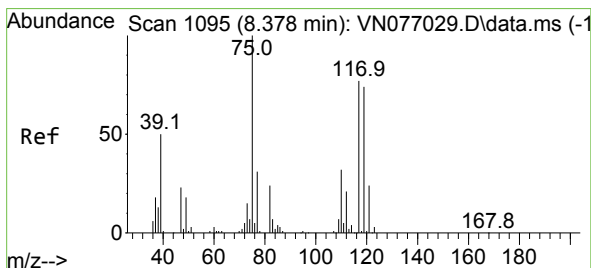
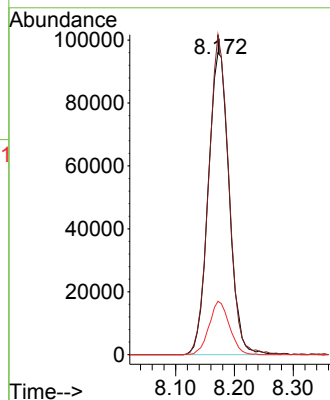
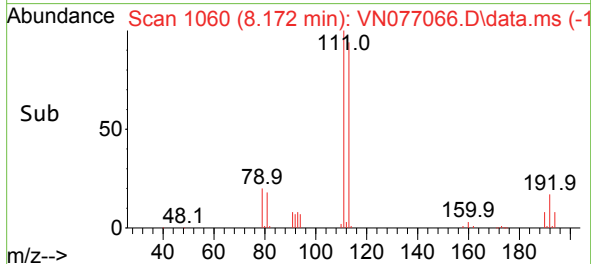


#35
Dibromofluoromethane
Concen: 45.820 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Instrument :
MSVOA_N
ClientSampleId :
RE137-20230313DL

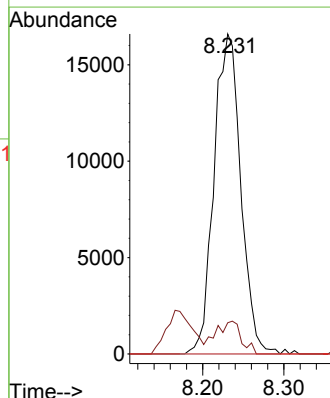
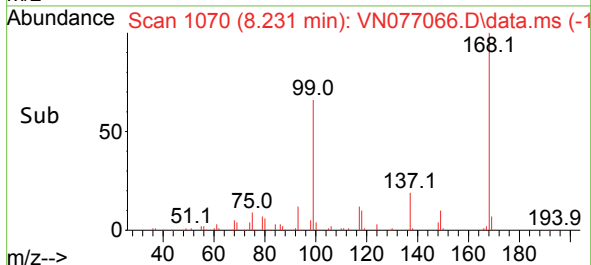
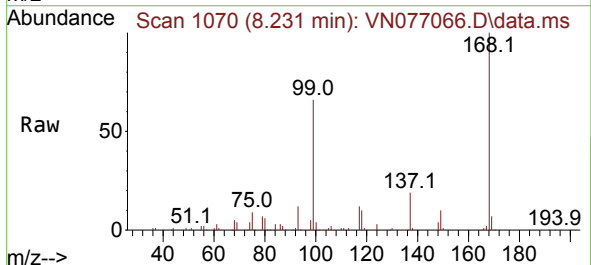


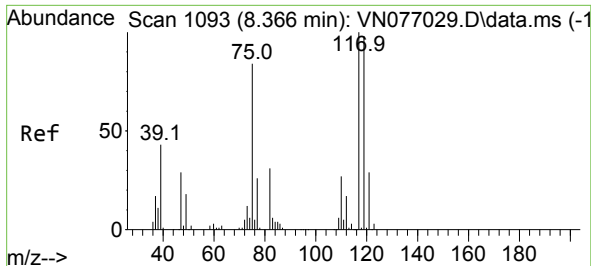
Tgt Ion:113 Resp: 237610
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 17.2 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.694 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Tgt Ion: 75 Resp: 38021
Ion Ratio Lower Upper
75 100
110 9.8 15.9 47.7#
77 0.0 24.3 36.5#

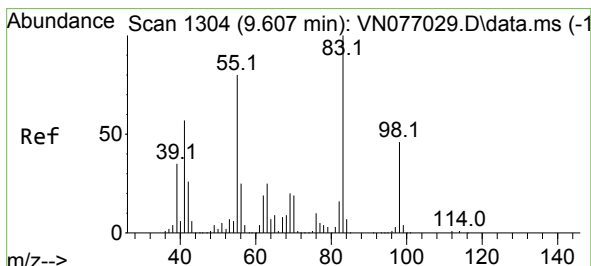
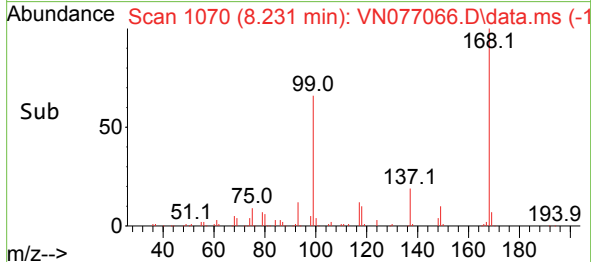
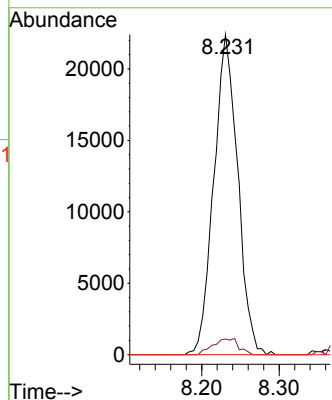
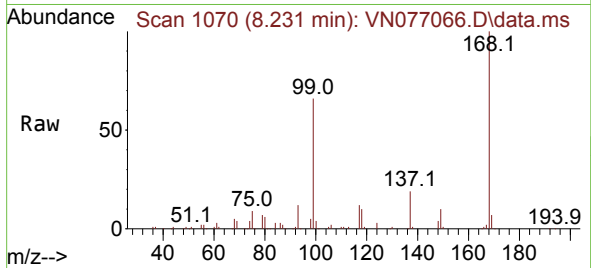




#38
Carbon Tetrachloride
Concen: 6.083 ug/l
RT: 8.231 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

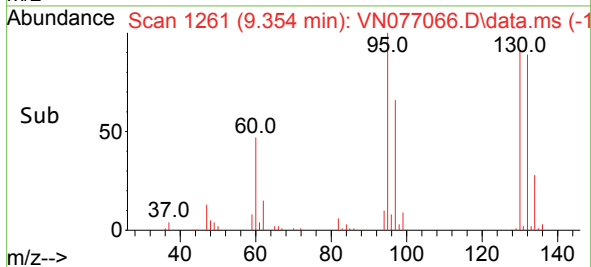
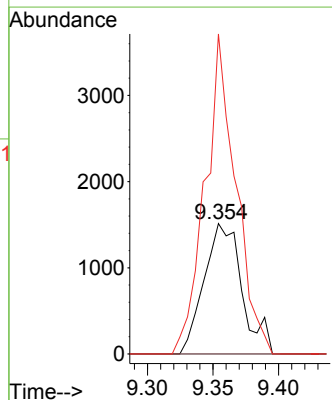
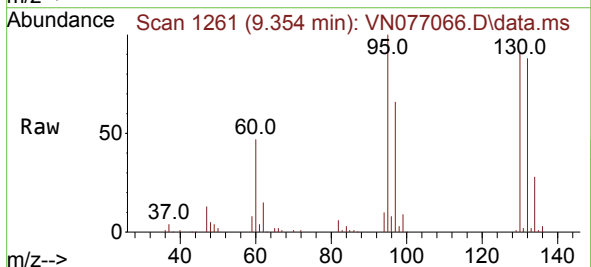
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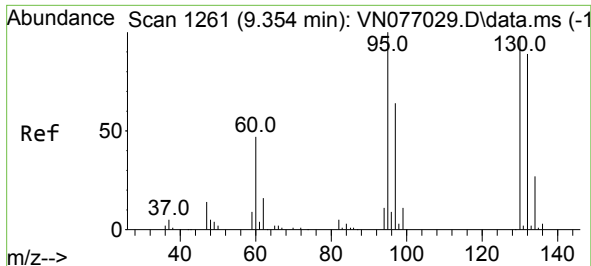
Tgt Ion:117 Resp: 47989
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.320 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.253 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Tgt Ion: 83 Resp: 3034
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 245.4 37.1 55.7#

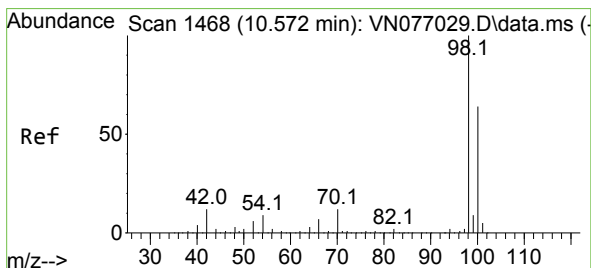
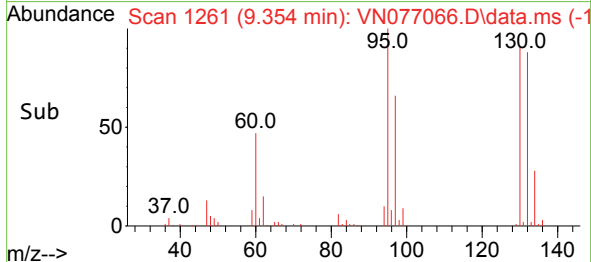
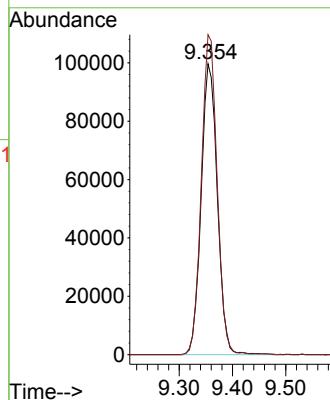
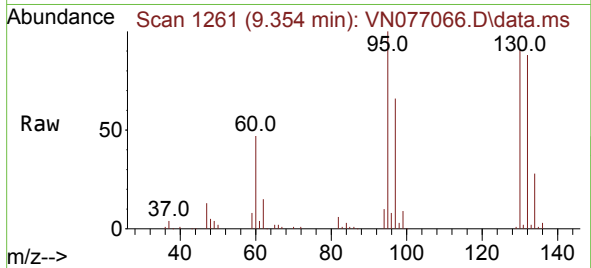




#44
Trichloroethene
Concen: 37.201 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

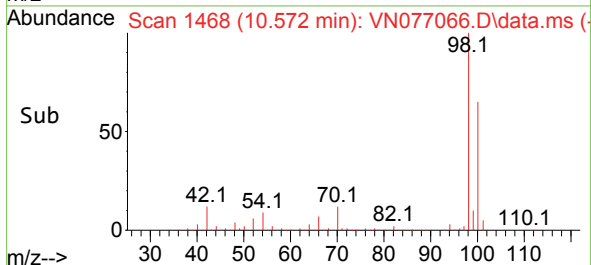
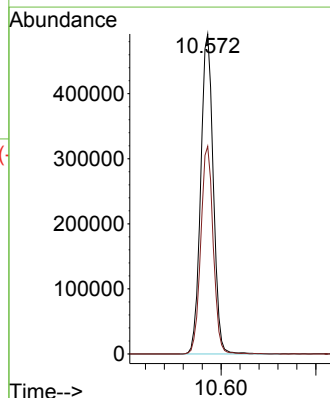
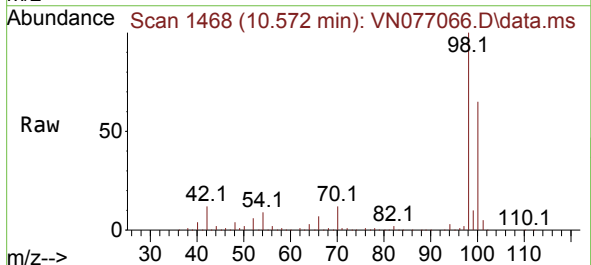
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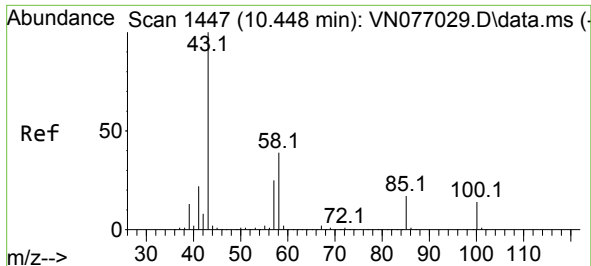
Tgt Ion:130 Resp: 209903
Ion Ratio Lower Upper
130 100
95 110.0 0.0 204.4



#50
Toluene-d8
Concen: 48.680 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Tgt Ion: 98 Resp: 901760
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.506 ug/l

RT: 10.572 min Scan# 1447

Delta R.T. 0.124 min

Lab File: VN077066.D

Acq: 20 Mar 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

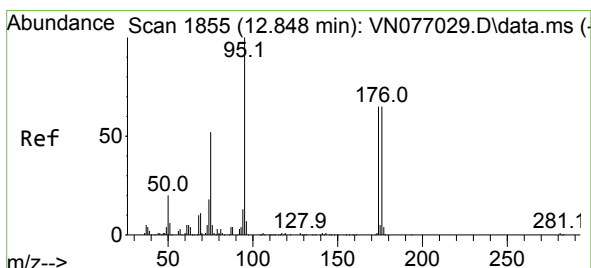
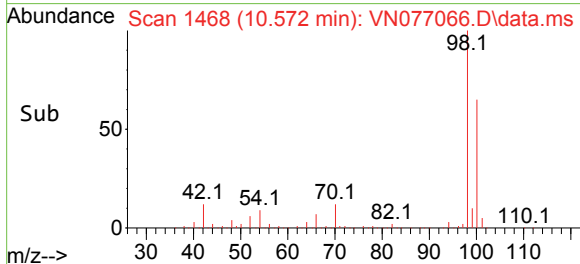
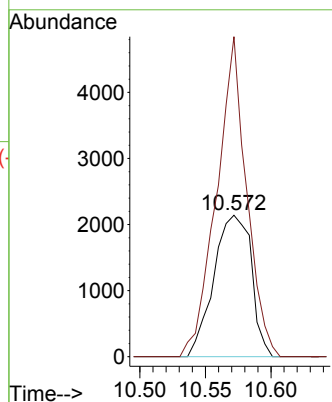
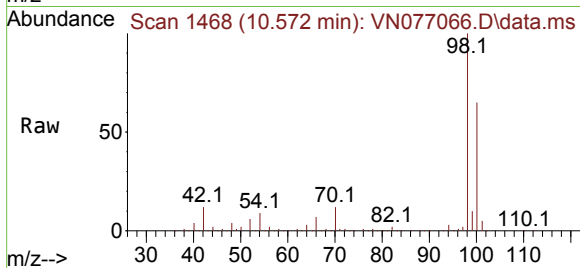
RE137-20230313DL

Tgt Ion: 43 Resp: 4262

Ion Ratio Lower Upper

43 100

58 180.9 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 44.266 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VN077066.D

Acq: 20 Mar 2023 14:17

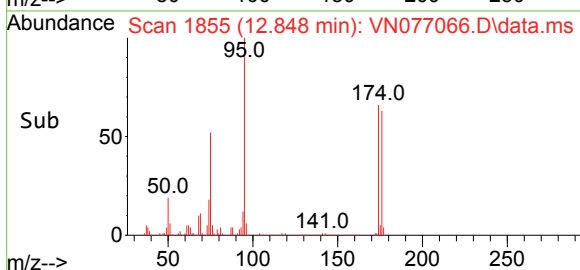
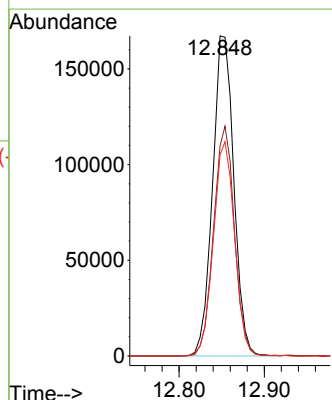
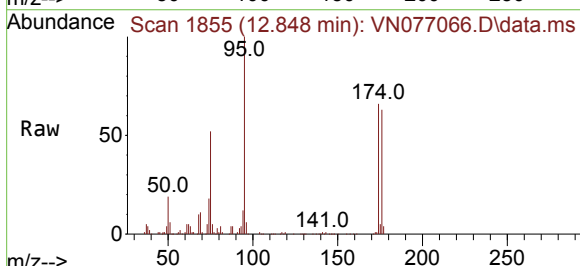
Tgt Ion: 95 Resp: 289753

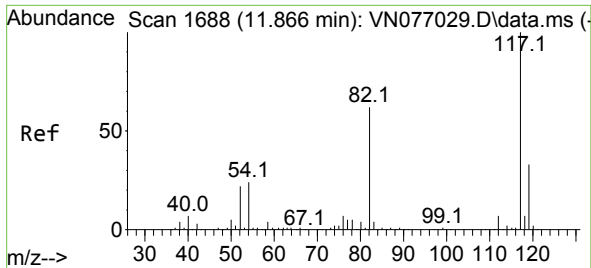
Ion Ratio Lower Upper

95 100

174 70.3 0.0 136.6

176 66.6 0.0 130.0

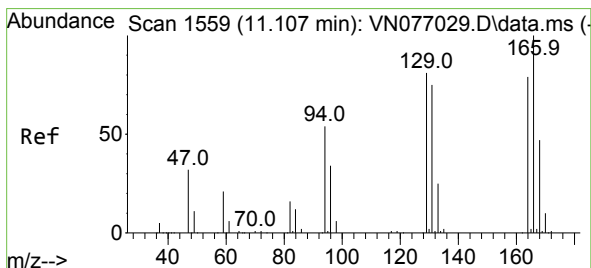
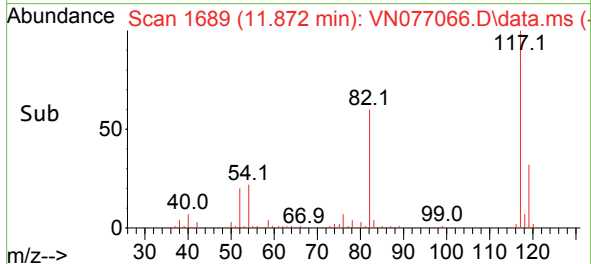
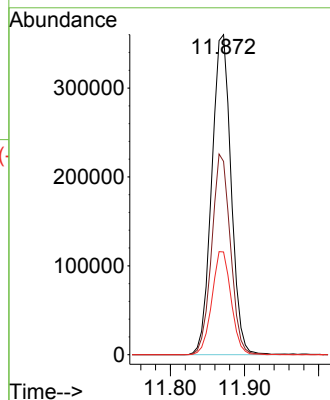
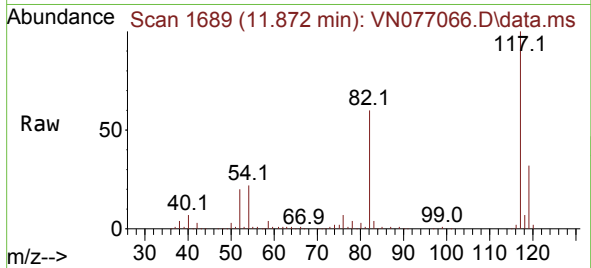




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

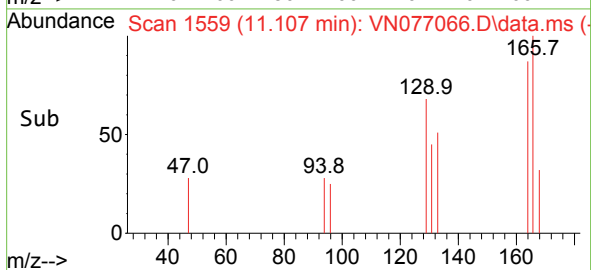
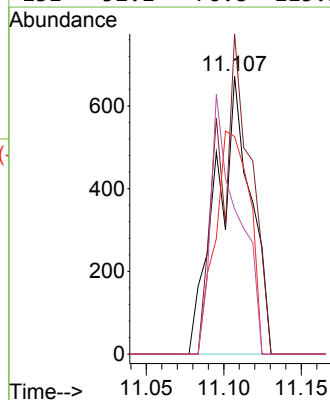
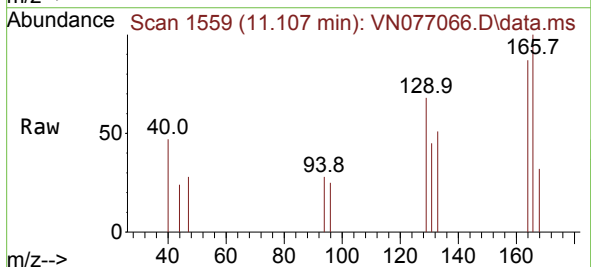
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230313DL

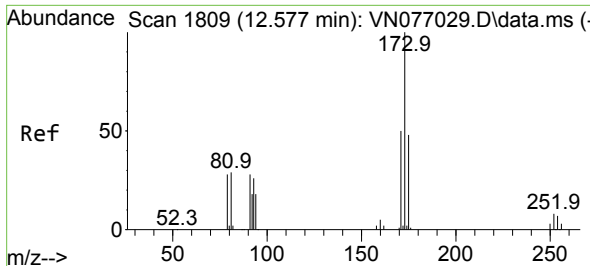
Tgt Ion:117 Resp: 652575
Ion Ratio Lower Upper
117 100
82 60.4 49.4 74.0
119 32.1 26.5 39.7



#64
Tetrachloroethene
Concen: 0.236 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

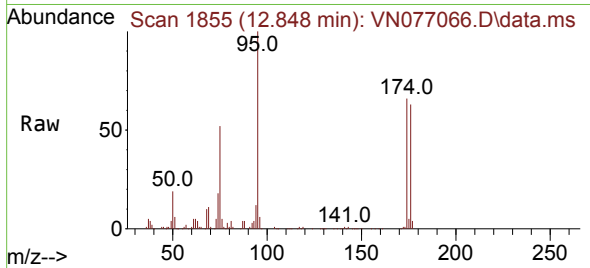
Tgt Ion:164 Resp: 1035
Ion Ratio Lower Upper
164 100
166 115.2 101.9 152.9
129 78.3 82.6 123.8#
131 52.1 76.8 115.2#



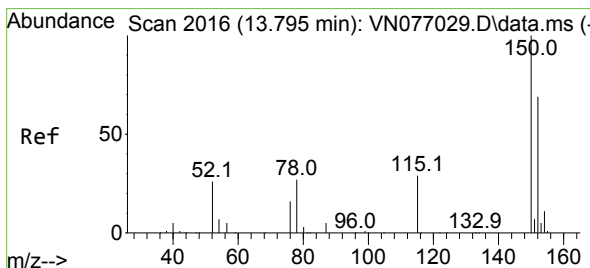
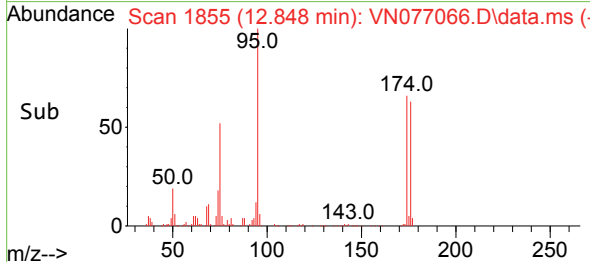
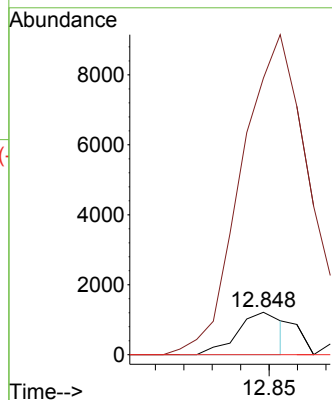


#71
Bromoform
Concen: 0.352 ug/l
RT: 12.848 min Scan# 1809
Delta R.T. 0.271 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Instrument :
MSVOA_N
ClientSampleId :
RE137-20230313DL

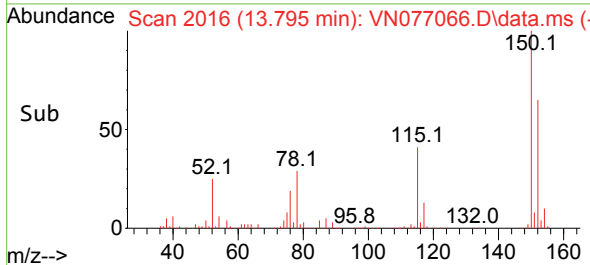
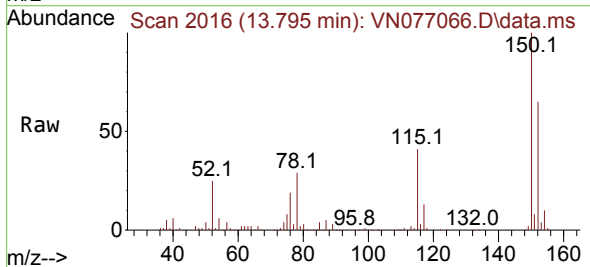
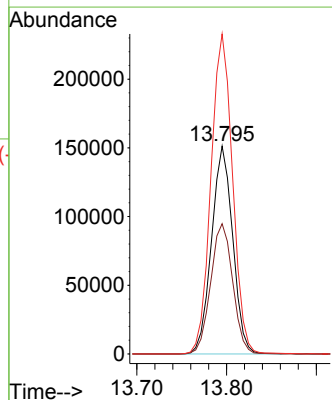


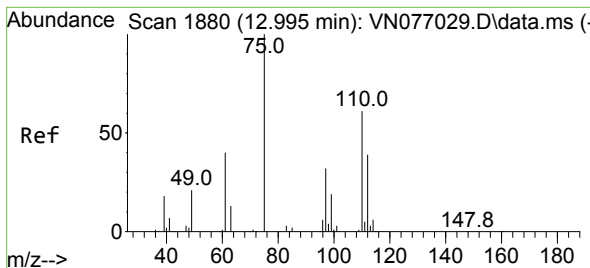
Tgt Ion:173 Resp: 1324
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Tgt Ion:152 Resp: 248242
Ion Ratio Lower Upper
152 100
115 65.1 31.9 95.7
150 156.9 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 24.088 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077066.D

Acq: 20 Mar 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

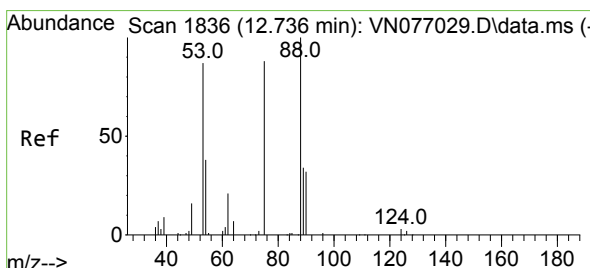
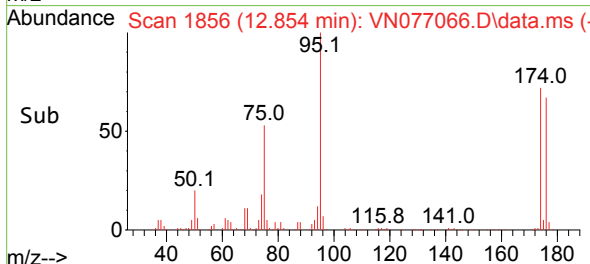
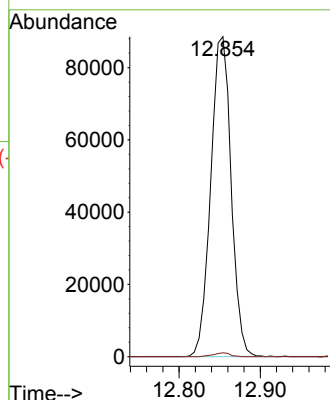
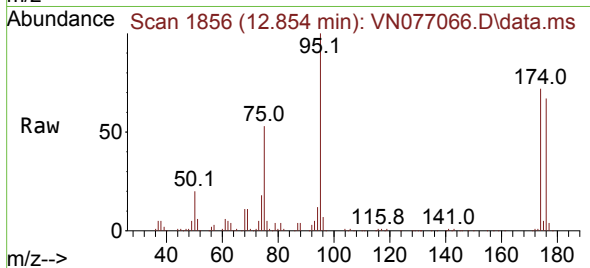
RE137-20230313DL

Tgt Ion: 75 Resp: 154675

Ion Ratio Lower Upper

75 100

77 1.0 107.3 322.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.305 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077066.D

Acq: 20 Mar 2023 14:17

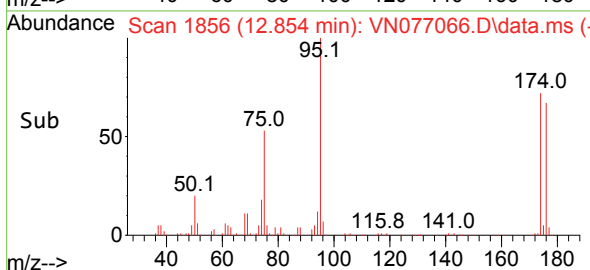
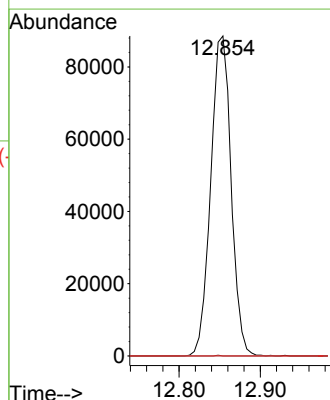
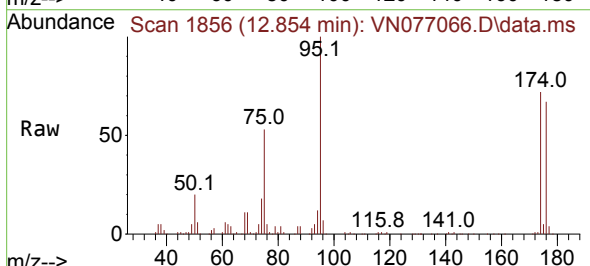
Tgt Ion: 75 Resp: 154675

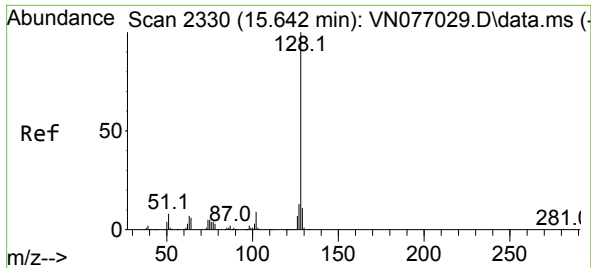
Ion Ratio Lower Upper

75 100

53 0.1 80.8 121.2#

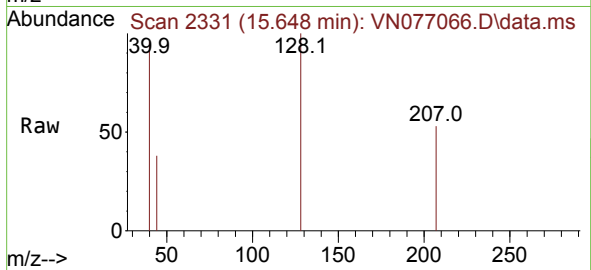
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 1.992 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077066.D
Acq: 20 Mar 2023 14:17

Instrument :
MSVOA_N
ClientSampleId :
RE137-20230313DL



Tgt Ion:128 Resp: 1380
Ion Ratio Lower Upper
128 100
127 4.0 10.0 15.0#
129 0.0 8.6 13.0#

