

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077812.D
 Acq On : 23 May 2023 13:31
 Operator : JC\MD
 Sample : 02880-19DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-20230519DL

Quant Time: May 24 02:54:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

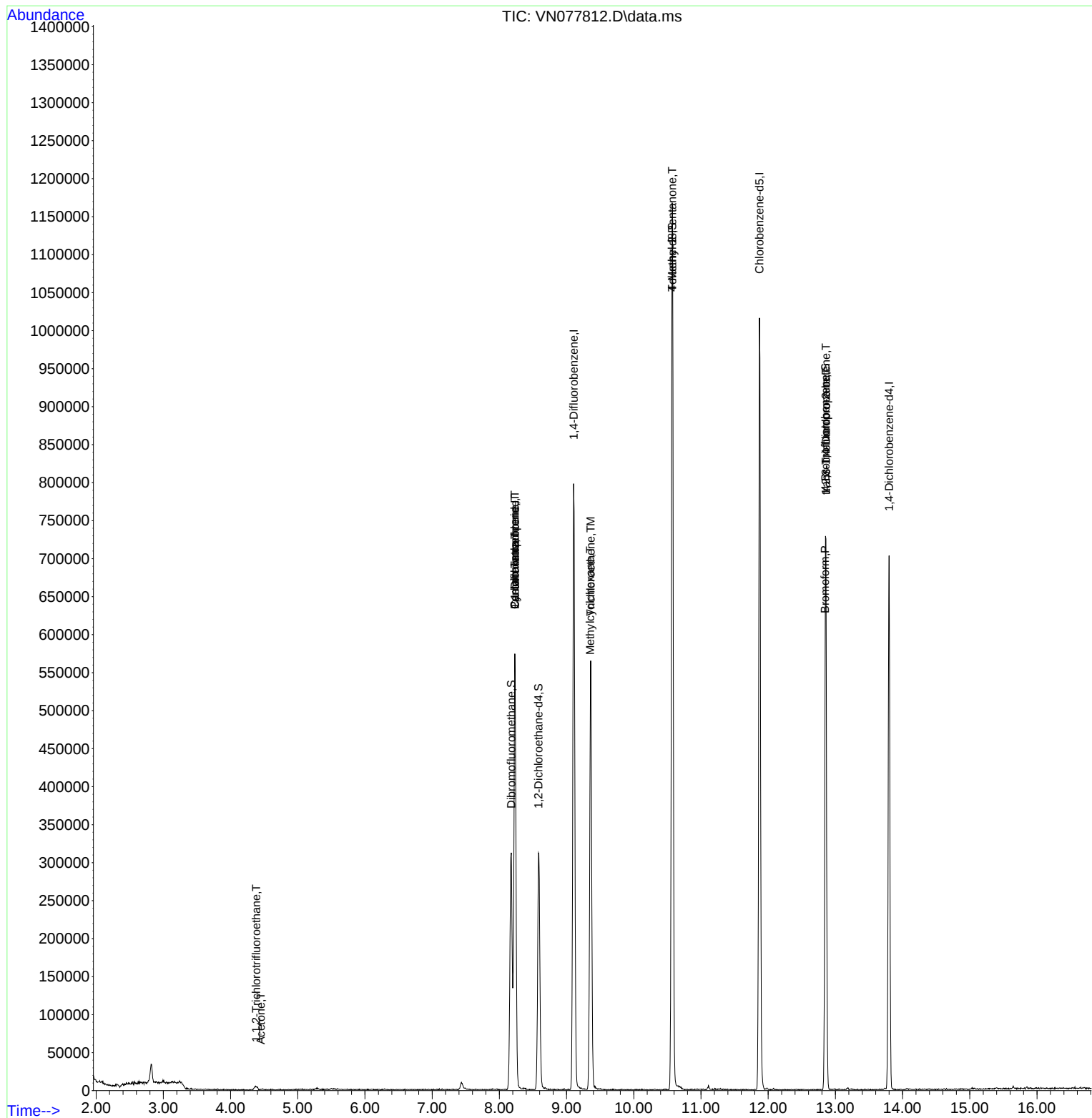
Internal Standards						
1) Pentafluorobenzene	8.230	168	403058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	711482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	611491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	185509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	263009	43.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.220%
35) Dibromofluoromethane	8.177	113	229701	49.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.020%
50) Toluene-d8	10.571	98	878801	49.211	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.853	95	271873	43.107	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1413	Below Cal		96
9) 1,1,2-Trichlorotrifluo...	4.383	101	3358	0.753 ug/l #		81
13) Acrolein	4.200	56	226	Below Cal #		65
16) Acetone	4.447	43	380	0.200 ug/l #		8
20) Methylene Chloride	5.289	84	1059	Below Cal #		68
31) Cyclohexane	8.230	56	9715	1.185 ug/l #		44
36) 1,1-Dichloropropene	8.230	75	34063	5.020 ug/l #		49
38) Carbon Tetrachloride	8.230	117	42742	6.238 ug/l #		16
39) Methylcyclohexane	9.353	83	3098	0.373 ug/l #		1
44) Trichloroethene	9.359	130	203604	40.154 ug/l		99
51) 4-Methyl-2-Pentanone	10.571	43	3901	0.664 ug/l #		1
71) Bromoform	12.847	173	1300	0.426 ug/l #		1
76) 1,2,3-Trichloropropane	12.859	75	143175	30.818 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	143175	98.511 ug/l #		15

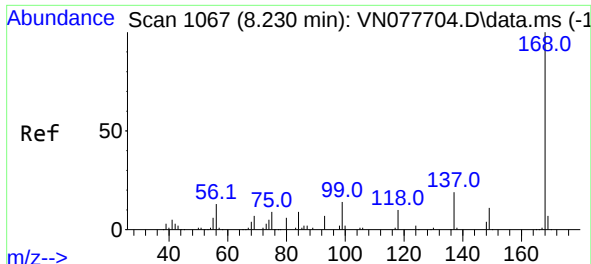
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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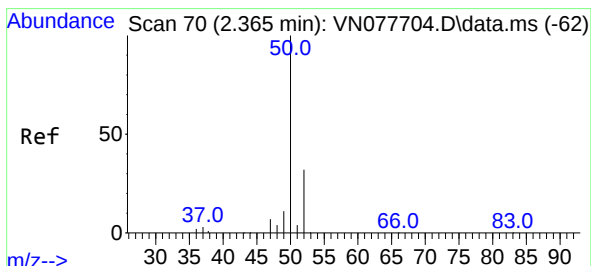
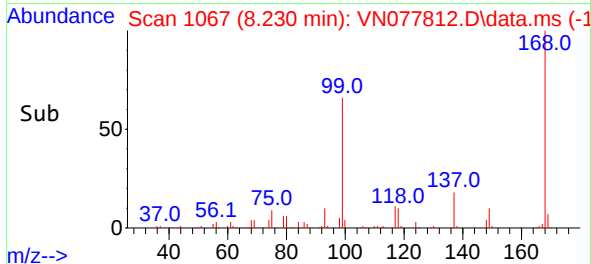
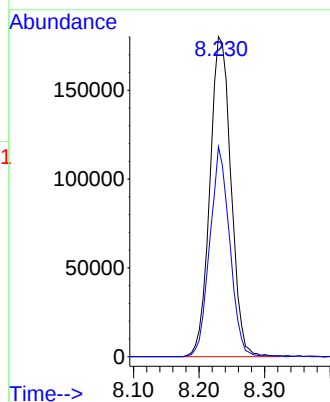
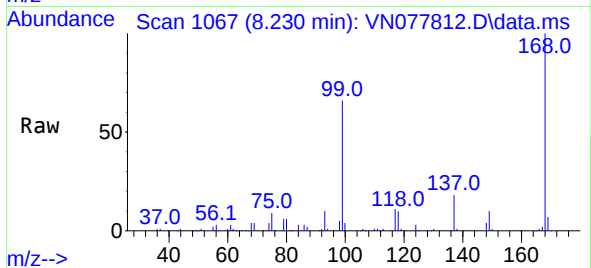




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

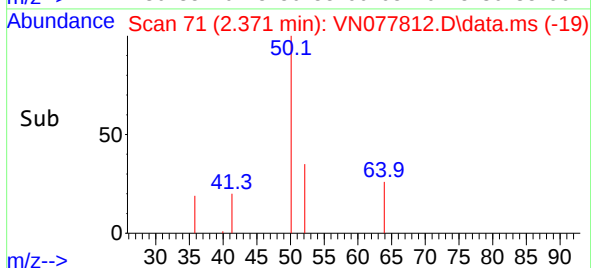
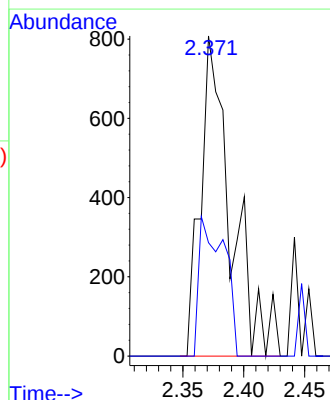
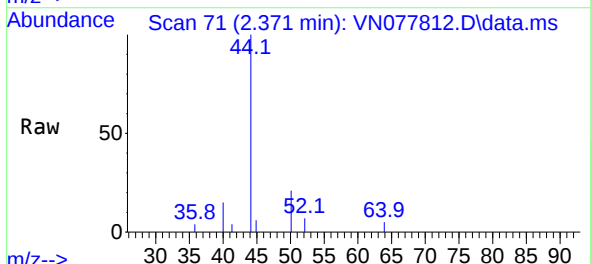
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

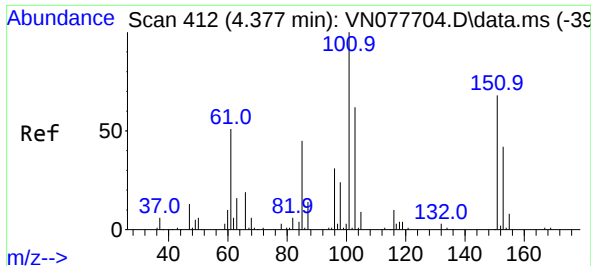
Tgt Ion:168 Resp: 403058
Ion Ratio Lower Upper
168 100
99 65.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Tgt Ion: 50 Resp: 1413
Ion Ratio Lower Upper
50 100
52 35.4 26.5 39.7

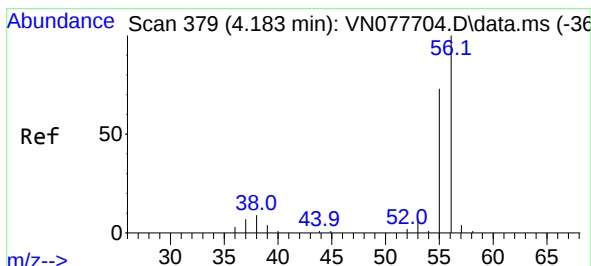
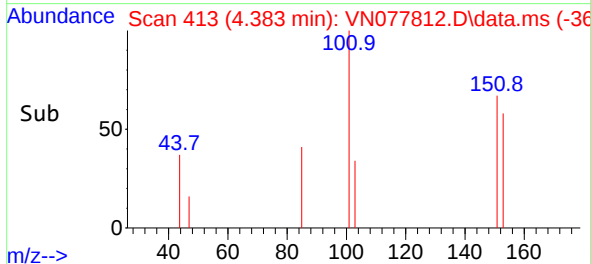
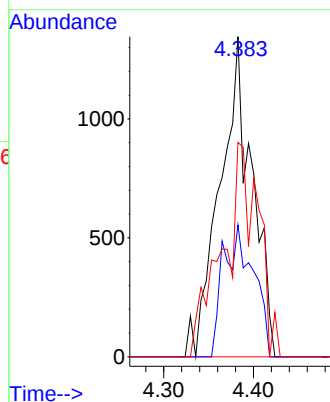
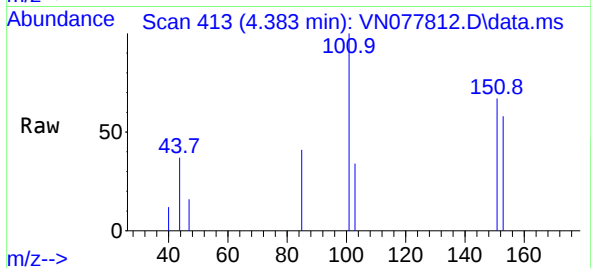




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.753 ug/l
RT: 4.383 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

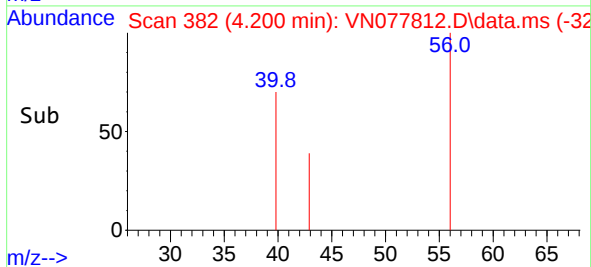
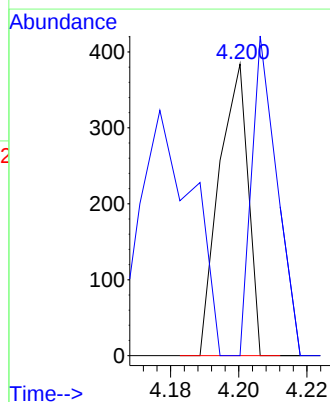
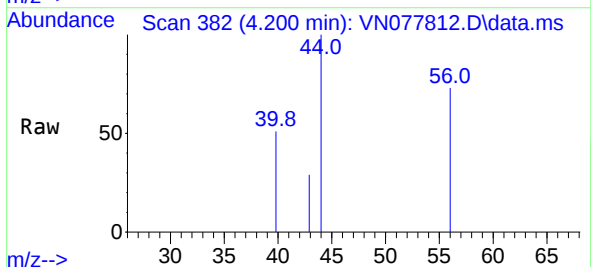
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

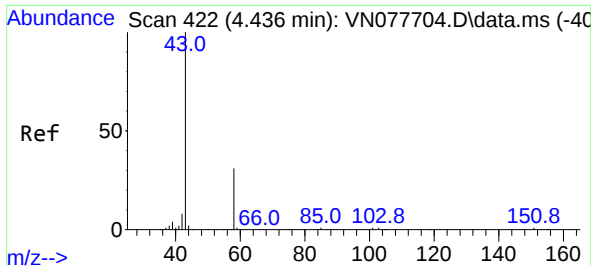
Tgt Ion:101 Resp: 3358
Ion Ratio Lower Upper
101 100
85 38.3 36.6 55.0
151 52.1 57.6 86.4#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 96.5 54.5 81.7#

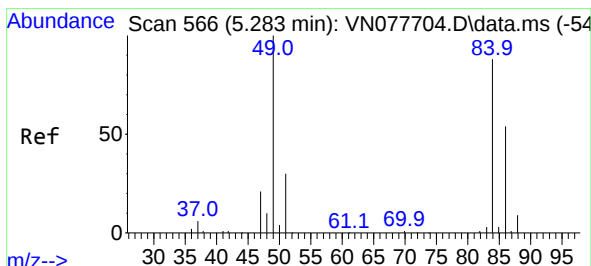
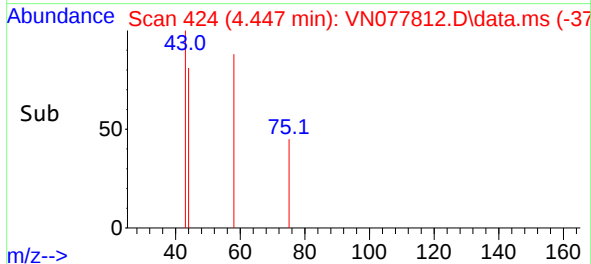
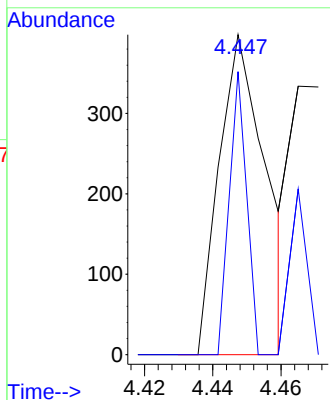
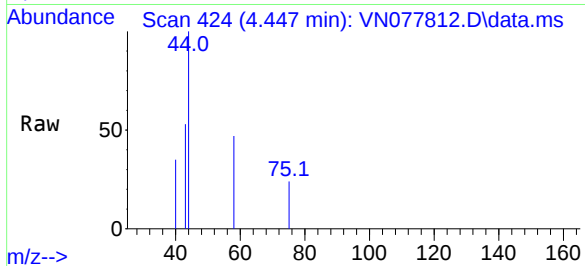




#16
Acetone
Concen: 0.200 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

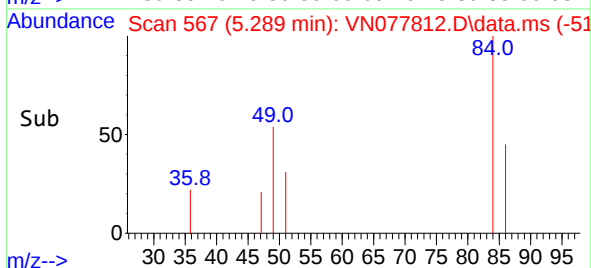
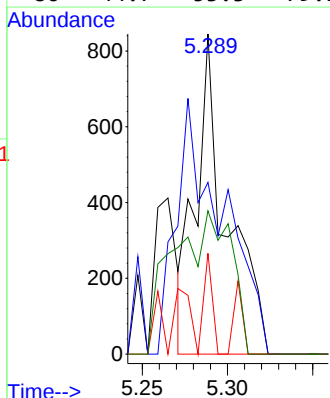
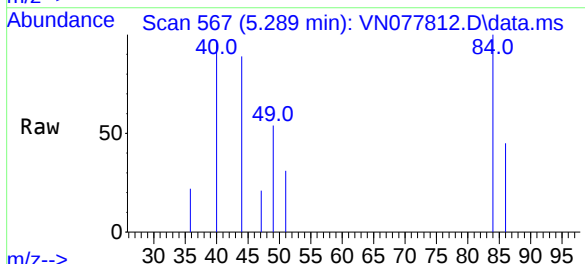
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

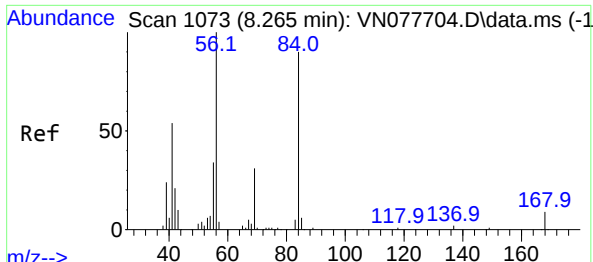
Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
58 88.4 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

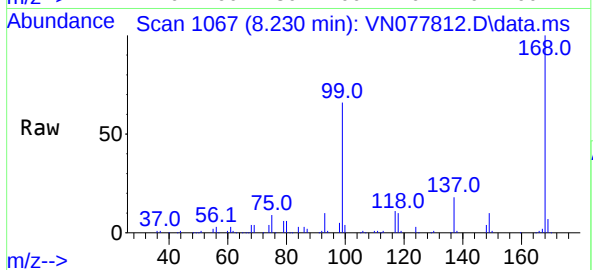
Tgt Ion: 84 Resp: 1059
Ion Ratio Lower Upper
84 100
49 53.6 79.7 119.5#
51 31.5 25.2 37.8
86 44.7 53.3 79.9#



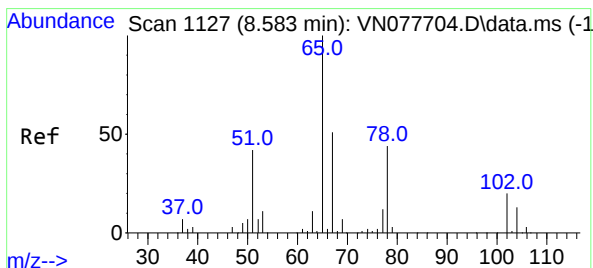
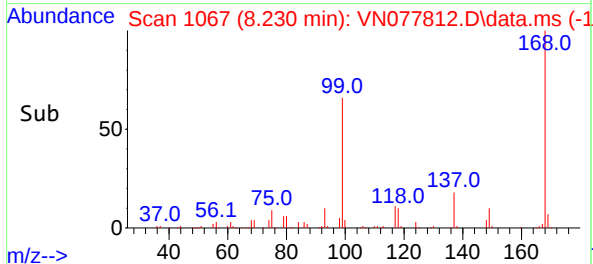
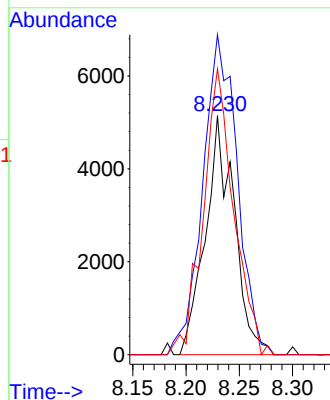


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

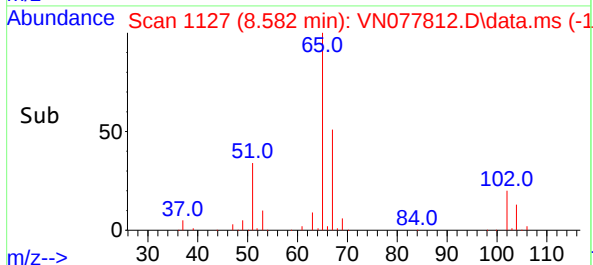
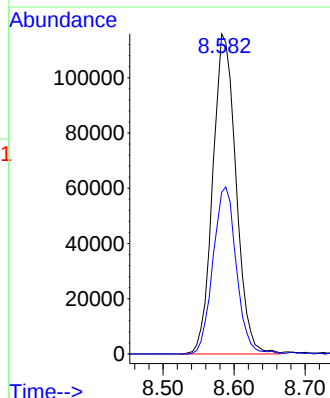
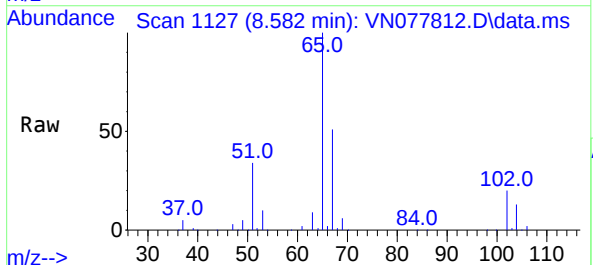


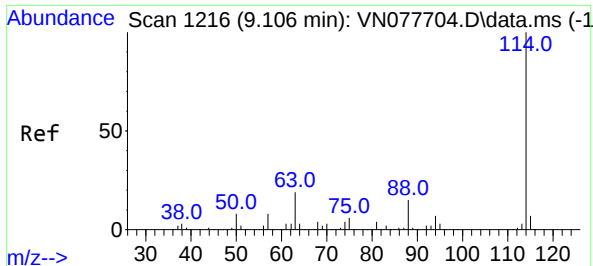
Tgt Ion: 56 Resp: 9715
Ion Ratio Lower Upper
56 100
69 133.9 26.8 40.2#
84 119.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 43.611 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Tgt Ion: 65 Resp: 263009
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6

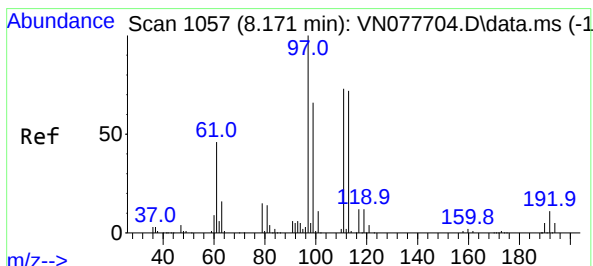
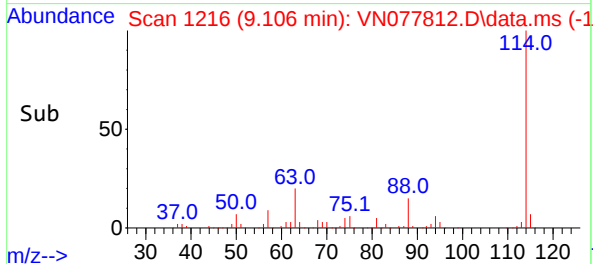
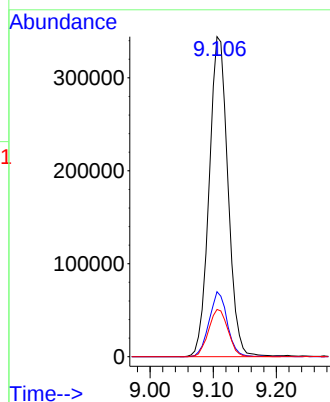
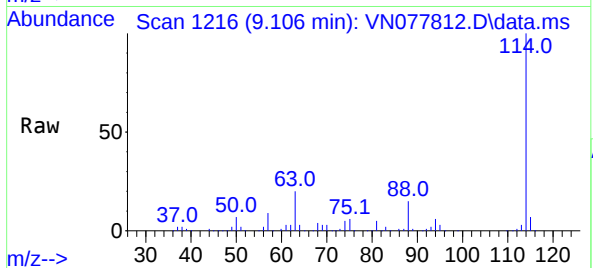




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

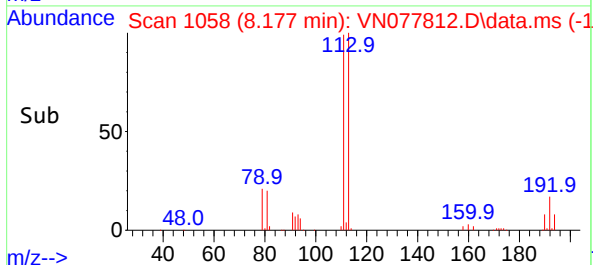
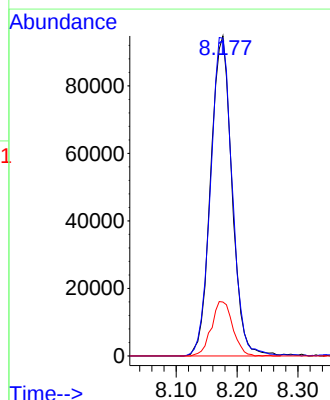
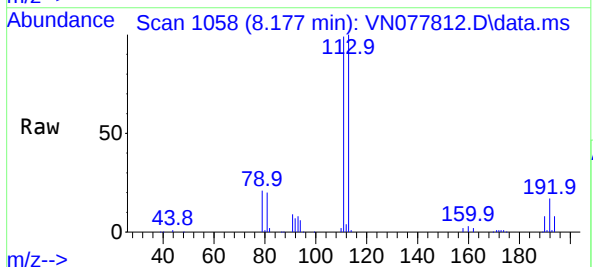
Instrument :
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ClientSampleId :
RE137-20230519DL

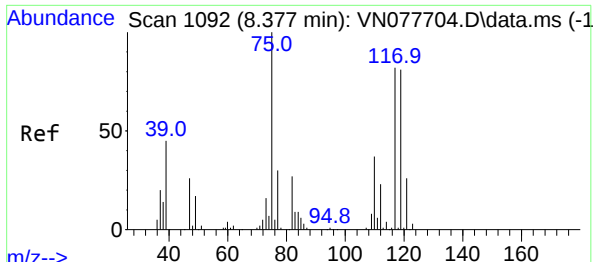
Tgt Ion:114 Resp: 711482
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.510 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

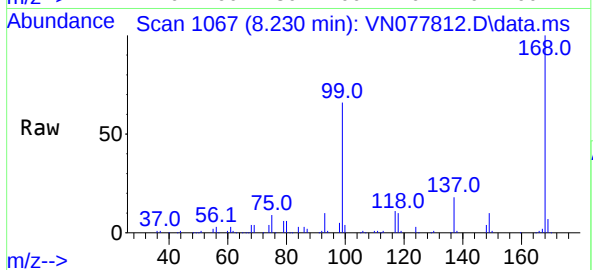
Tgt Ion:113 Resp: 229701
Ion Ratio Lower Upper
113 100
111 101.2 82.6 123.8
192 17.0 12.7 19.1



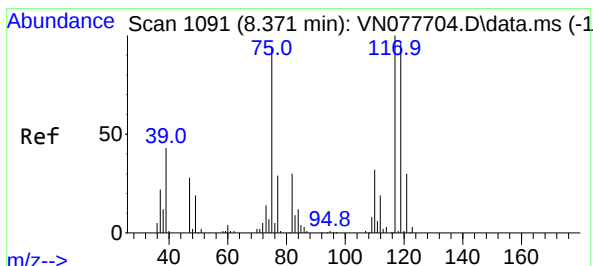
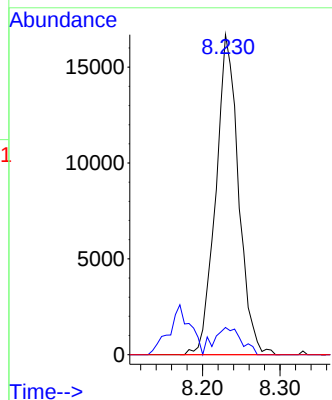
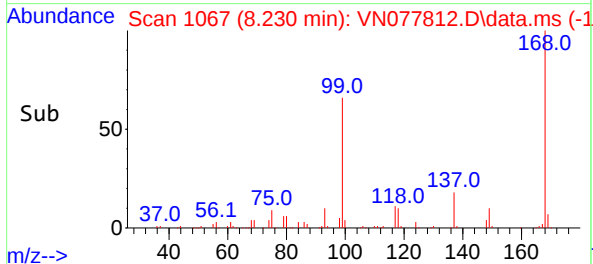


#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

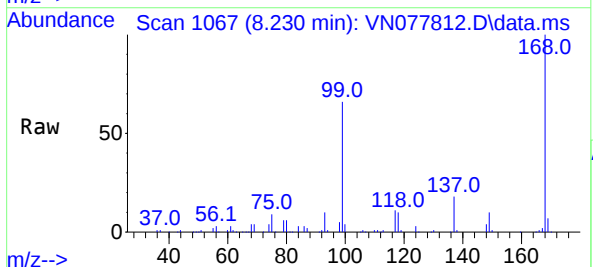
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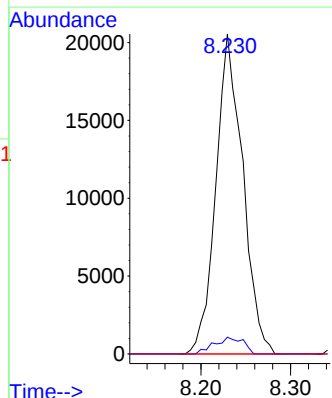
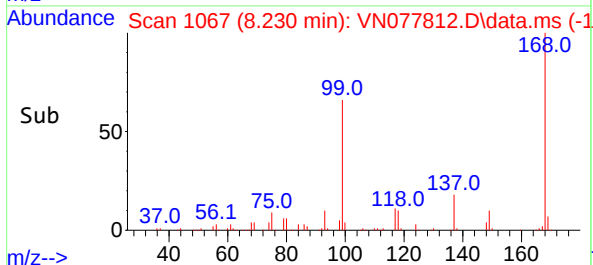
Tgt Ion: 75 Resp: 34063
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#

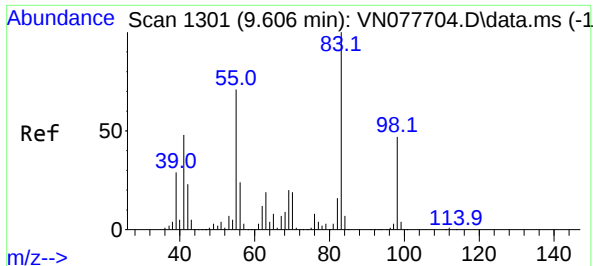


#38
Carbon Tetrachloride
Concen: 6.238 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31



Tgt Ion: 117 Resp: 42742
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.373 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN077812.D

Acq: 23 May 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

RE137-20230519DL

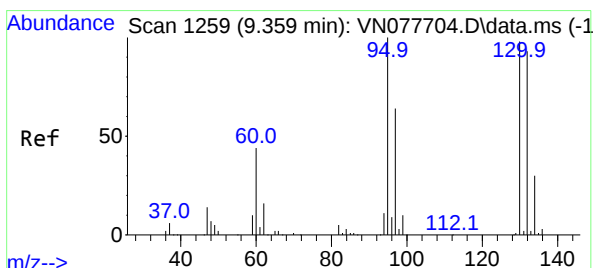
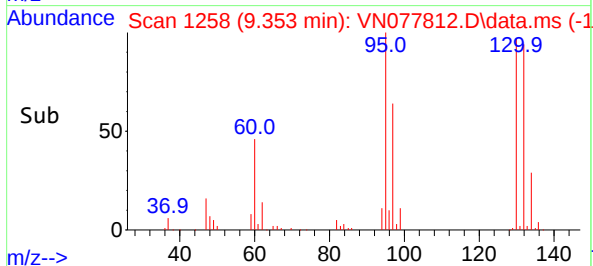
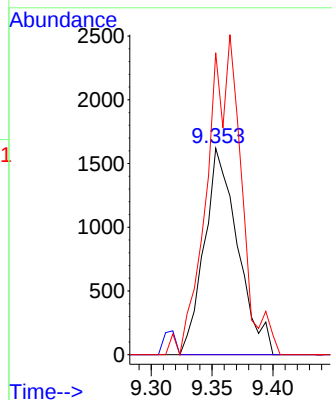
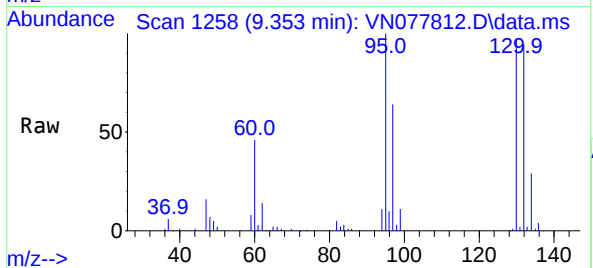
Tgt Ion: 83 Resp: 3098

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 146.2 40.6 61.0#



#44

Trichloroethene

Concen: 40.154 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN077812.D

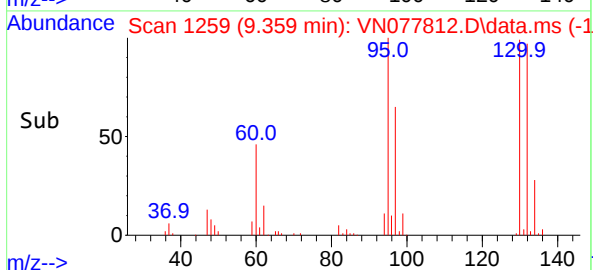
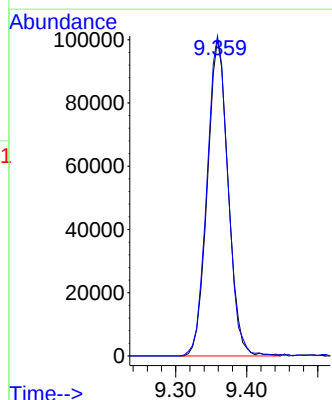
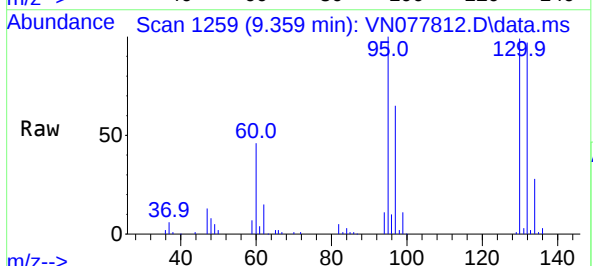
Acq: 23 May 2023 13:31

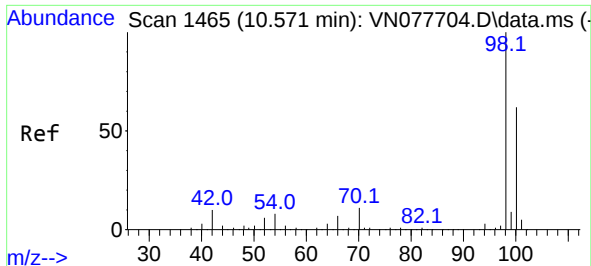
Tgt Ion:130 Resp: 203604

Ion Ratio Lower Upper

130 100

95 101.1 0.0 204.6

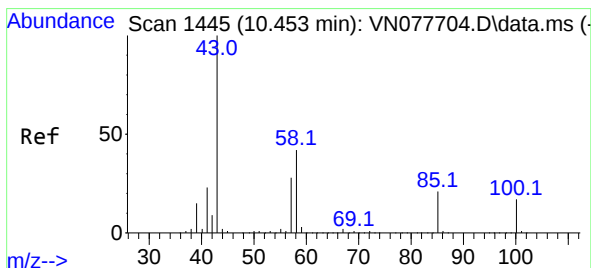
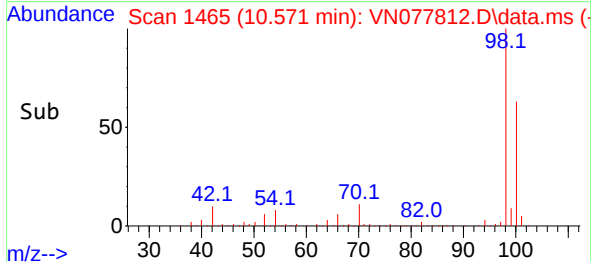
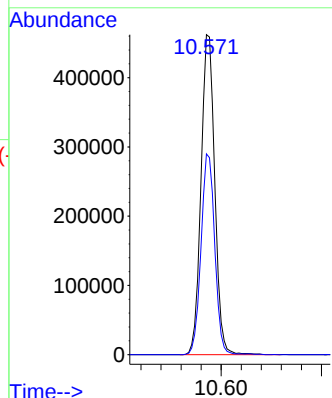
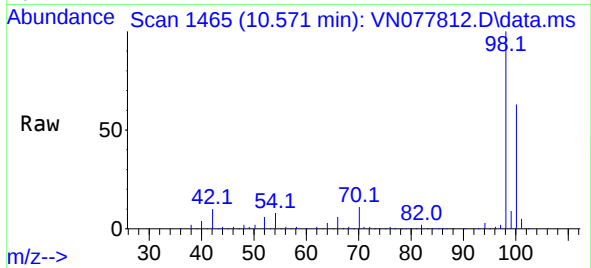




#50
Toluene-d8
Concen: 49.211 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

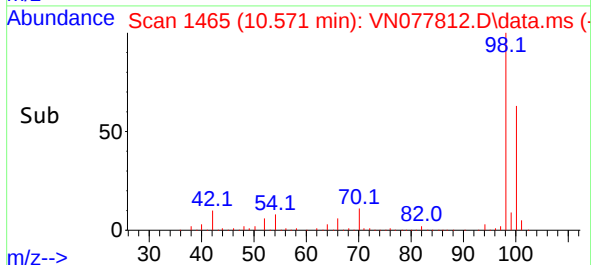
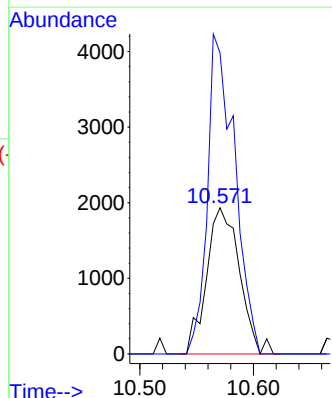
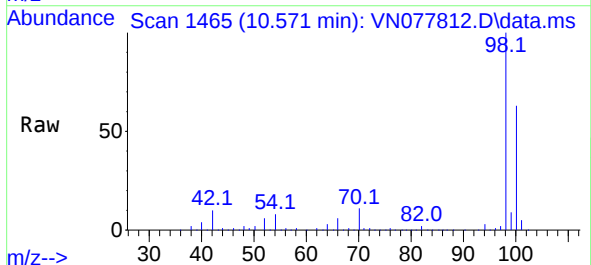
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

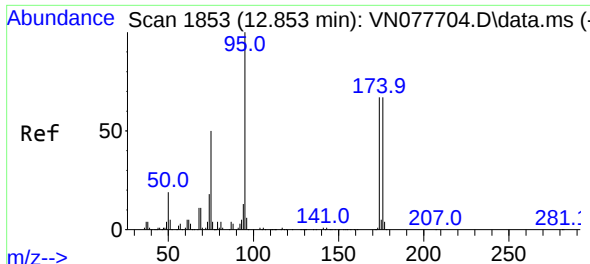
Tgt Ion: 98 Resp: 878801
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.664 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Tgt Ion: 43 Resp: 3901
Ion Ratio Lower Upper
43 100
58 180.0 36.6 54.8#

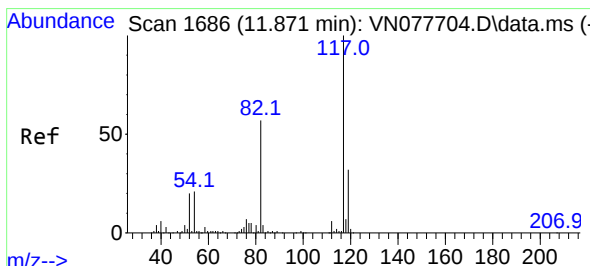
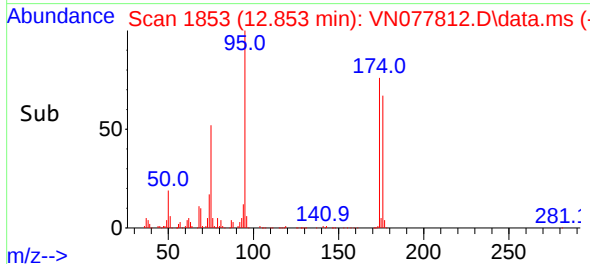
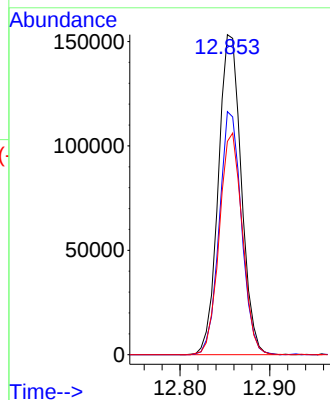
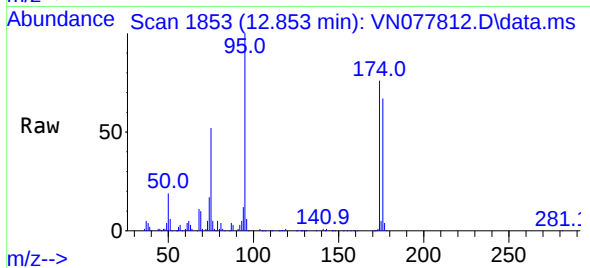




#62
4-Bromofluorobenzene
Concen: 43.107 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

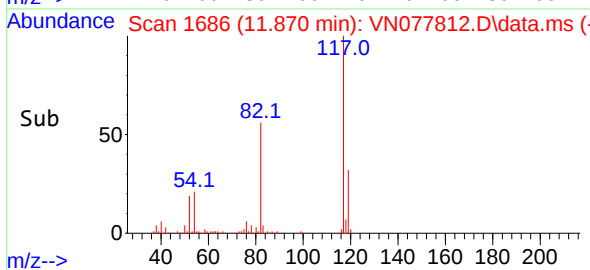
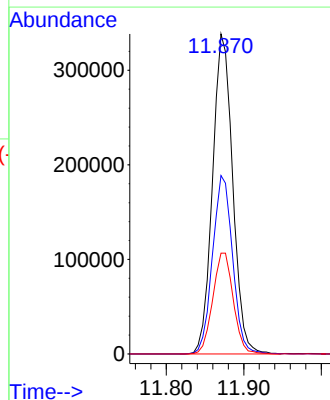
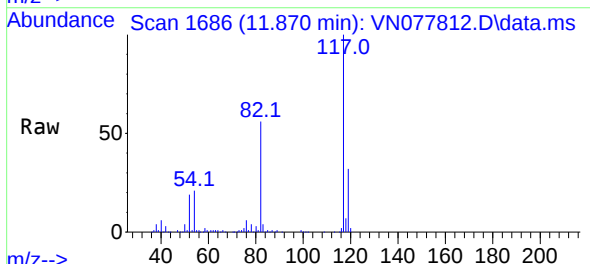
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

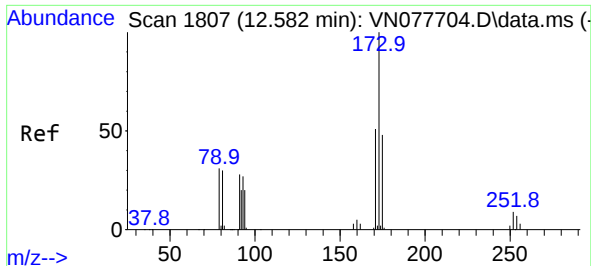
Tgt Ion: 95 Resp: 271873
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 69.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Tgt Ion: 117 Resp: 611491
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 31.5 25.6 38.4

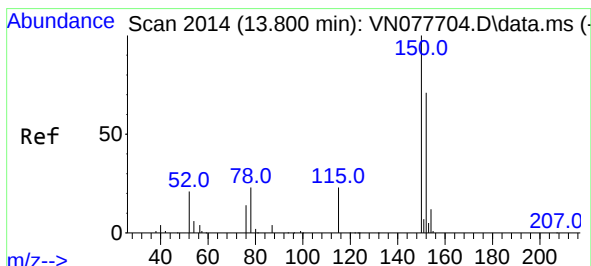
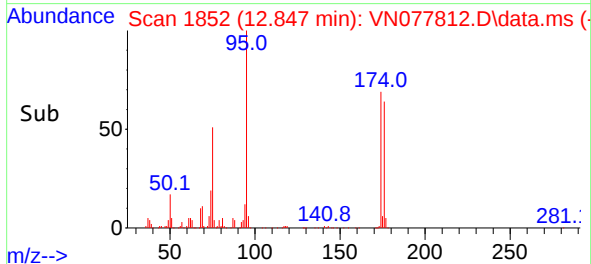
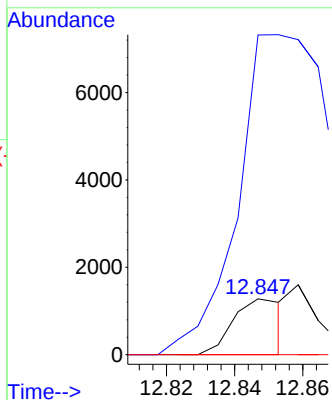
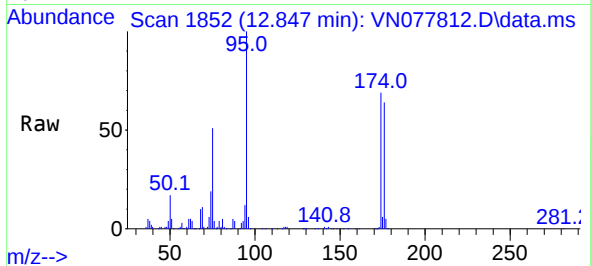




#71
Bromoform
Concen: 0.426 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

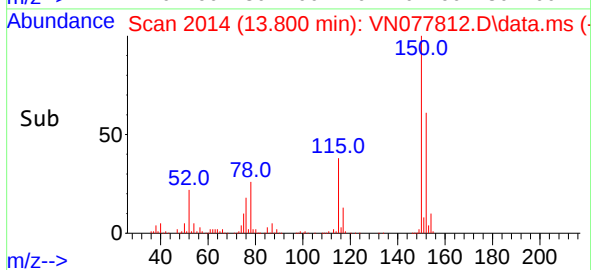
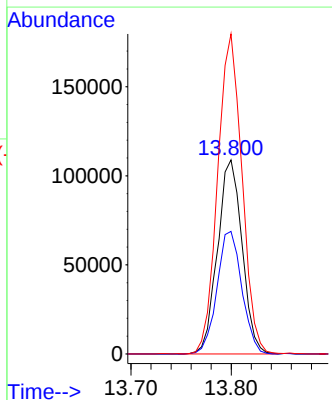
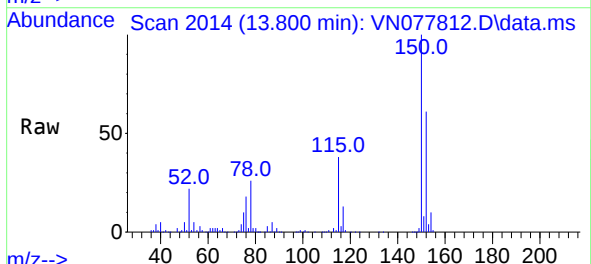
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

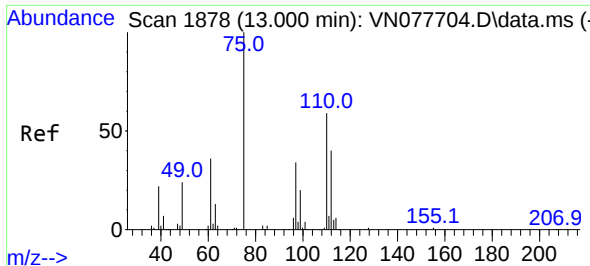
Tgt Ion:173 Resp: 1300
Ion Ratio Lower Upper
173 100
175 749.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Tgt Ion:152 Resp: 185509
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 163.3 0.0 355.8

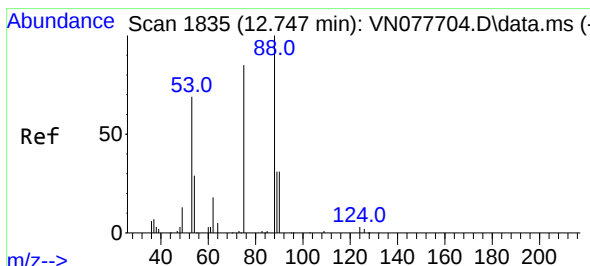
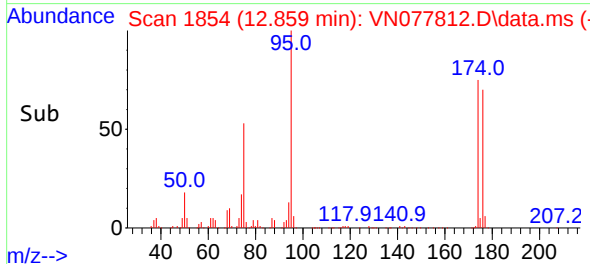
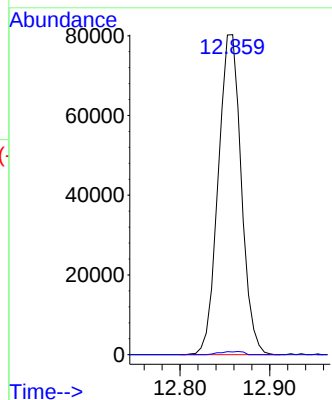
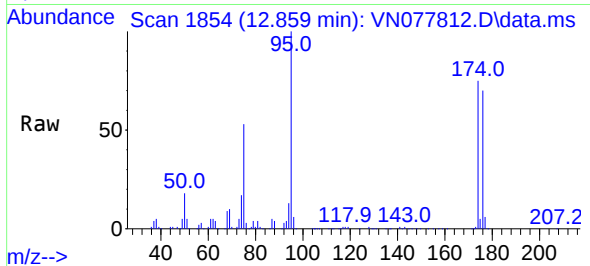




#76
1,2,3-Trichloropropane
Concen: 30.818 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519DL

Tgt Ion: 75 Resp: 143175
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.511 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077812.D
Acq: 23 May 2023 13:31

Tgt Ion: 75 Resp: 143175
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

